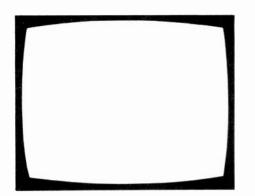


Servicing Mitsubishi VCRs Guide to Microwave Techniques DX-TV • All about Bar Codes Detecting Licence Dodgers VCR Clinic • TV Fault Finding





# TELEVISION

April 1988

### Vol. 38, No. 6 Issue 450

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All correspondence regarding advertisements should be addressed to the Advertisement Manager, "Television", King's Reach Tower, Stamford Street, London SE1 9LS. Editorial correspondence should be addressed to "Television", IPC Magazines Ltd., King's Reach Tower, Stamford Street, London SE1 9LS.

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VS88 VS7100 VS7200 VS9300 VS9500 VS9700 VS9800	3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV	21.95 21.95 21.95 21.95 21.95 21.95 21.95 21.95	HR3320 HR3330 HR3350 HR360 HR3660 HR4000 HR4000 HR4100 HR7200	3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV	21.95 21.95 21.95 21.95 21.95 21.95 21.95 21.95 21.95 21.95	NV333 NV340 NV370 NV380 NV390 NV450 NV450 NV470 NV480 NV600	3HSSN 3HSSN 3HSSU1N 3HSSU1N 3HSSU2N 3HSSU2N 3HSSU2N 3HSS3N	25.99 21.95 36.97 36.97 36.97 35.99	<b>PHILI</b> DV462 6460 6520	10 3HSSSF	35.00 35.00 25.99 25.99 25.99	PHILIPS DECCA SINCLAIR COMMODO ANTEX DYNASCAN	HAE I DY	JVC         HR33 TCE         8903           VKIT         2         PANASONIC         NV70           VKIT         3         SONY         SLC5           VKIT         4         SONY         SL60           VKIT         5         SONY         SL80           VKIT         5         SONY         SL80           VKIT         5         SONY         SL80           VKIT         7         SANASONIC         NV30           VKIT         7         SANYO         93007	9500/9800         2.40           00/320/3300         3/00/16/22           00/7200         1.45           7/7         2.25           00/8500/8600         3.60           0048         2.10           006         1.99           P         2.75
FERGUS 3V00 3V01 3V06 3V16 3V22 3V23 3V24	3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV	21.95 21.95 21.95 21.95 21.95 21.95 21.95	HR7600 HR7610 HR7650 HR7700	3HSSV 3HSSV 3HSSV 3HSSV	21.95 21.95 21.95 21.95	NV777 NV861 NV2000 NV3000 NV7000 NV7200 NV7200 NV7500 NV7800	3HSS3N 3HSSN 3HSSN 3HSSN 3HSSN 3HSSN 3HSSN 3HSSN	35.99 21.95 21.95 21.95 21.95 21.95 21.95 21.95 21.95	GENU SONY S SONY S SONY S SHARP		49.39 49.39 49.39 56.00	AMPROBE SERVISOL ARRIOW SCOTCH SKC SPARKOMA	NTIC	VKIT         10         TOSHIBA         V8600           VKIT         11         SHARP         VC734           VKIT         12         SHARP         VC634           VKIT         12         SHARP         VC634           VKIT         13         SANYO         VTC56           VKIT         14         SANYO         VTC55	00/8610/V011 1.50 0 1.45 00 1.59 00/6600 1.80 000 0.95
3V24 3V29 3V30 3V31 3V35 3V36 8903	3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV 3HSSV	21.95 21.95 21.95 21.95 21.95 21.95 21.95 21.95	NEC PV760 PV764 PV774 N830 N831 N832	PS3BS PS3BS PS3BS 3HSSV 3HSSV 3HSSV	23.95 23.95 23.95 21.95 21.95 21.95	NV7850 NV8170 NV8200 NV8400 NV8600 NV8620	3HSSN 3HSSN 3HSSN 3HSSN 3HSSN 3HSSN	21.96 21.95 21.95 21.95 21.95 21.95 21.95	HITACH HITACH SANYO SANYO PHILIPS	II VT33E/GEC 44 II VT11/GEC 410 9300/9435/9500 5000/4700/5300 5 V2000/V2023	35.62 0 35.62 53.00 53.00 64.00	POS & PACKI 87p + VJ UP T	ING AT	VKIT 17         SHARP         8300           VKIT 18         SHARP         9300           VKIT 19         HITACHI         VT800           VKIT 20         HITACHI         VT800           VKIT 21         HITACHI         9500           VKIT 22         SONY         SLC6           VKIT 23         SANYO         S500           VKIT 24         PANASONIC         NV301	1.76 1.47 00 1.05 33 1.50 1.12 1.90 1.05
HITACHI VT6500 VT7000 VT8000 VT8040 VT8040 VT8100	3HSSHA 3HSSHA 3HSSHA 3HSSHA 3HSSHA	25.50 25.50 25.50 25.50 25.50	N833 PV2300 PV2400	3HSSV PS3BS PS3BS	21.95 23.95 23.95	SHARP 110 381 383 384 385	3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP	26.95 26.95 26.95 26.95 26.95	SONY SONY HITACHI	<b>NBEO IDLEA TYM</b> <b>0.Dia I.Dia W</b> 23 7 17 4 4 24 2 18 5 31 8 25 4	idth 9 50p 1 50p 9 50p		5-	VKIT 28 AMSTRAD 7000 VKIT 29 PANASONIC NV77 VKIT 30 SONY T9 VKIT 31 TOSHIBA 9600	00 0.96 HR7200 1.75 1.45 7 1.89 2.20 1.20
VT8500 VT8700 VT9000E VT9300	3HSSHA 3HSSHA 3HSSHA 3HSSHA 3HSSHA 3HSSHA 3HSSHA	25.50 25.50 25.50 25.50 25.50 25.50 25.50	SLF1 SLC5 SLC6 SLC7 SLC8 SLC9	PS4B2S PS3BS PS3BS PS3BS PS5B3S PS5B3S	29.95 23.95 23.95 23.95 23.95 39.95 39.95	386 387 388 481 482 2000 3300	3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP	26.95 26.95 26.95 26.95 26.95 26.95 26.95 26.95	AKAI JVC JVC NATPAN	26 20 3 26 20 3 39 3 32 8 3 33 23 9 4 31 2 25 3 DED PWICH ROLLI	9 50p 9 56p 56p 1 56p	WE	e have a fui	* PRICES D S LAMP ONLY LL RANGE OF VIDEO LAMPS A "SPECIFIC SPARES" VHDEO LAMP	 50p
VT9900 VT4000 VT4200 VT5000 VT5500	3HSSHA 3HSSH 3HSSH 3HSSH 3HSSH	25.50 25.50 25.50 25.50	SLC20 SLC24 SLC30 SLC33 SLC40 SLT50 SLF60	PS482S PS482S PS482S PS482S PS482S PS482S PS583S PS583S	29.95 29.95 29.95 29.95 29.95 29.95 39.95 39.95	9100 9300 9400 9500 9600 9700	3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP 3HSSSP	26.95 26.95 26.95 26.95 26.95 26.95 26.95	PANASONIO SANYO SONY JVC JVC AKAI	VTC9300/VBS7000 C7/J7/SL17 TCE3V00/01/06/16 24 HR2200/3320/3330 3660/1100/7700 VS9700	3.75 3.75 3.75	FULL RANG OF VIDEI LAMP UNDE	ie D	SUNDF VHS DRUM MOTOR VHS CAPSTAN MOTOR SANYD REEL MOTOR (5000) SHARP REEL MOTOR VHS (Gen Purp ) THORN JVC	25.50 25.50 12.95 19.50 4.95
ORION VH1 VH2	3HSSN 3HSSN	21.95	SLF60 SLK95 SL200 SL3000 SL8000 SL8080	PS583S PS583S PS583S PS38S2 PS38S2 PS38S2	39.95 39.95 39.95 25.00 25.00 25.00	ECC	BETA ENTRICI GAUGE £55.00	TY	HITACHI SHARP SONY	VT5000 VC6300/6500 TC6 GEN	3.75 3.75 3.75	SPECIF SPARE IN CATALO	FIC ES GUE	Take UP Clutch Assy Sharp Take UP Idler 0005:GE22 0006:GE22 Sanyo Reel Drive Pulley Hitachi Fif Ioler V111E:33E	5.10 2.20

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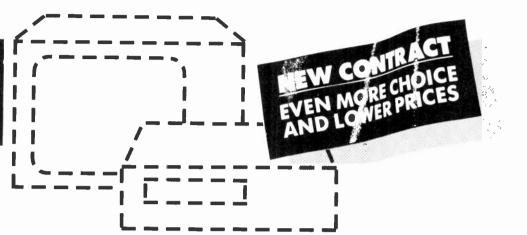
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BELLOBAYE			D/SECURITY LIGHTS	DEC	HG. BATTERIES			) 15. 
BELLS/BOXES	27.95			50 12V 1	2A 7.23	CM709		
A75 SHORROCK ACORN 75 PANE		815S SHORROCK	P.I.R. 41	50 12V 2 12V 12V 157 12V 1	6A 7.87 6A 10.73			F
B1 EUROBELL (No. S.A.B.)* B2 EUROBELL (with S.A.B.)*	21.00 26.95	915SM SHODDOCK	P.I.R. 43	00				45.
BV 6V BATTERY FOR EUROBELL	3.75	04 ORION EXTE	RNAL P.I.R. 48	3.00 S.	A.B. MODULES IOCK S.A.B. 8.76	CM970	00 27 MHz CB Suppre	ssor 4.
Price includes Multi Adaptor to use boxes	with "C" type bel	SIS HALOGENEL	OOD with Lamo 17	7.74 SHORF	OCK S.A.B. 8.76 OCK DE LUXE 11.49	CM601		
T1 12V BELL (Tan)	12.95	SLSR SPARE LAMP	EXTERNAL P.I.R. 62		NIC BUTTONS			llet 1.
35 'C' TYPE Polyprop. Boxes (con	p) 4.55		THORISED DISTRIBUTORS FOR	.00 STND.	2.88			t. Isolat
36 'C' TYPE Polycarb. Boxes (corr 312 'C' TYPE DUMMY COVER (no	p) 7.80 back) 3.25	SHOP2	OCK SECURITY PRODUCTS		CONFUSED?			2.
313 'C' TYPE Translucent	7.80		SUNDRIES		I'T BE – IT'S EASY! PICAL PACKAGE			
0011110 500 10101		XENON FLASH		FC	OR 3 BED HOUSE			ier
SOUNDERS/SIRI	:NS (116db) 5.75		121PCL Red/Amber/Blue 6	5.75 5.90	£120	CM900	09 Flüsh TV/FM Emula	ator 3.
34 1010/2010 EXTERNAL SIREN		TAMPER SWITCHES		.60		CM900	06 VHF/UHF Diplexer	
S22 DYNABLAST S13 SOUND BOMB 1	(127db) 18.14 (104db) 3.37	SELF CONTAINED A	LARM 25		Panel with connection			o UHF
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S15 SOUND BOMB 3 MULTITONE	4.50	I C12 5 TERM SUR	FACE 0	0.62 Outside 0.59 Inside M	Bell Box with Bell 🔹 🖈	CH707		F23.
516 P228 517 MIKRO	(105db) 4.61 (110db) 5.28	LC13 & WIRE SURI	FACE SUMEIT 0	0.62 Roll 6 c 5.10 2× Infra	ore cable 🔹 🖈		74 4 Way Dist Amp 82 UHF/VHF Dist. Am	р
S18 362 PIEZO	(110db) 7.80		JTTER CONTACTS		Window Contacts			ρ <b>68</b> . 15.
12V MUSICAL BUZZER A801 722 BUZZER	1.56	[		0	*			db
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240 Element	2.75		FUSE N		Super Servisol		1.18	
its 102, 106, 820, 821 S 17W Iron 240v	1.10		a new range of sub-miniatu					*
S240 Element			s, and are used in most mode		Ideos, Silicone Grease		1.46	500
its 1100, 1101, 1106	1.10		kit has 170 asstd. plug in Fuses	s and TU no	Aero Klene	ubes)	1.82	
S25W Iron 240v S240 Element			na 1A, 1.25A, 1.6A, 2A. na, 200ma, 315ma, 500ma,	630ma, 8	Excel Polish			GRAM
its 50, 51 emperature Control 30W Iron CSTC			, 1.6A, 2A, 2.5A, 3.15A, 4A.	oconta, c	Video Head Cleane Super 40	r	0.96	REEL
40W Iron XSTC	16.05	VOUPLE	NEED SOME!!	£3	Super 40 Fire Extinguisher Heat Sink Compou		3.80	
Unit TCSV1	. 68.95 <b>£4</b>	./5		~	Heat Sink Compou Solda Mop Std	ind	1.20	SOLDER
Antex Stand MLXS Auto Rep. Kit	8.40	NEW SM	DKE OETECTORS		£11 Hylosil Silicone Ru	bber	2.98	£4.95
Cordless Gas Iron	. 15.99		L ALARM/TORCH		£1.90 Aero Duster Coldkiene 110 Deg		1.40	~ 1100
Tips for Gas Iron Turbo Rech. Iron Kit			AIN/LOCK ALARM		<b>£2.75</b> Antistatic Spray	peasing St	1.18	
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RECTIFIER TRAYS	LINE OU Philips 210/300	PUT TRANS. Mono 10.00	AERIAL		ELEPHON		GENERAL Degaussing Coil Si	tick 19.
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11881128883 606	Philips G9 Philips KT3	15.95	10 Fle, UHF 1.6				Electric Circuit Tes Probes (×10) or (	(×1) 10
hom         8000         6.95           fhom         8500/8800         7.15	Philips KT3 Philips K30 Philips TX2	15.95 17.94	10 Ele. UHF 1.62	AC	CESSORI		Electric Circuit Tes Probes (×10) or ( Philips Switchable	(×1) 10. Probes 13.
horn 8500/8800         7.15           horn 9000         8.70	Philips KT3 Philips K30 Philips TX2 Philips TX3	15.95 17.94 13.39 14.41	10 Ele. UHF         1.67           3 Ele. VHF         6.70           4 Ele. VHF         8.03	3	CESSORI		Electric Circuit Tes Probes (×10) or (	(×1) 10. Probes 13.
Thom         8500/8800         7.15           Thom         9000         8.70           Decca         1730/1830         5.48           Decca         30         6.76	Philips KT3 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715	15.95 17.94 13.39 14.41 15.58 10.00	10 Ele. UHF         1.62           3 Ele. VHF         6.74           4 Ele. VHF         8.03           Omnidirect (Round)         8.93	3 B Phone E	CESSORI xt. Kit	<b>ES</b> 7.50	Electric Circuit Tes Probes (×10) or ( Philips Switchable Automatic Wire Str I.C. Inserters Micro Pliers	(×1) 10. Probes 13. rippers 6. 1.
Thom 8500/8800         7.15           Thom 9000         8.70           Decca 1730/1830         5.48           Decca 30         6.76           Decca 80         7.12           Decca 100         7.50	Philips KT3 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90"	15.95 17.94 13.39 14.41 15.58 10.00 10.50	10 Ele. UHF 1.66 3 Ele. VHF 6.70 4 Ele. VHF 8.00 Omnidirect (Round) 8.90 F.M.	3 Phone E Cable Ex	CESSORI xt. Kit t. kit	ES	Electric Circuit Tes Probes (×10) or ( Philips Switchable Automatic Wire Str J.C. Inserters Micro Pliers Micro Cutters	×1) 10. Probes 13. rippers 6. 1. 4.
hom         8500/8800         7.15           hom         9000         8.70           becca         1730/1830         5.48           becca         300         6.76           becca         80         7.12           becca         80         7.12           becca         100         7.50           becca/1atung         120/130         6.50	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips G11 Pye 713/715 Pye 725 90° Pye 769 Pye 741	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 10.00 9.90	10 Ele. UHF 1.62 3 Ele. VHF 6.70 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. SFT TOP AFRIALS	3 Phone E Cable Ex Ext. Soc Ext. Soc	CESSORI xt. Kit t. Kit :ket Surface :ket Flush	7.50 5.95 1.68 1.75	Electric Circuit Tes Probes (×10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pliers Micro Puers Trim Tools Metal 8	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended
hom 8500/8800         7.15           hom 9000         8.70           leccal 7/30/1830         5.48           leccal 73/0/1830         5.48           leccal 30         6.76           leccal 80         7.12           leccal 73/0/1830         6.50           leccal 100         7.50           leccal 100         7.40           lEC 2100         7.40           lEC 2200 (20AX)         6.50	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90' Pye 169	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 (2000,3000) 14.69 (2000,3000) 14.69	10 Ele. UHF         1.67           3 Ele. VHF         6.74           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS	3 Phone E Cable Ex Ext. Soc Ext. Soc Cable Ti	CESSORI xt. Kit t. Kit t. Kit surface ket Flush dy	7.50 5.95 1.68 1.75 0.99	Electric Circuit Tes Probes (×10) or ( Philips Switchable Automatic Wire Stt J.C. Inserters Micro Pliers Micro Cutters Trim Tools Metal { Side Cutters sm. Long Nose Pliers	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1.
hom 8500/8800         7.15           hom 9000         8.70           eccal 1730/1830         5.48           eccal 30         6.76           eccal 80         7.12           eccal 100         7.50           eccal 100         7.50           eccal 200         6.50           IEC 2100         7.40           IEC 2200 (20AX)         6.50           IEC 2100         6.60           IEC 2100 (pre Jan '77)         7.00	Philips KT3 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 713/715 Pye 725 90' Pye 725 90' Pye 741 Bang & Olutson Decca 80 Decca 100	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 10.50 10.50 8.58 8.58 8.58	10 Ele. UHF         1.62           3 Ele. VHF         6.70           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.33           Loop Aerial         1.01	3 Phone E Cable Ex Ext. Soc Ext. Soc Cable Ti 5m Ext. 3m Ext.	CESSORI xt. Kit t. Kit ket Surface ket Flush dy Lead Lead	<b>7.50</b> 5.95 1.68 1.75 0.99 2.95 2.23	Electric Circuit Tes Probes (×10) or ( Philips Switchable Automatic Wire Sti 1.C. Inserters Micro Pliers Micro Cutters Trim Tools Metal E Side Cutters sm.	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. triver
hom 8500/8500         7.15           hom 9000         8.70           becca 1730/1830         5.48           becca 30         6.76           becca 1730/1830         7.12           becca 80         7.12           becca 100         7.50           becca/131ung 120/130         6.50           EC 2100         7.40           EC 2200 (20AX)         6.50           EC 2200 (20AX)         6.50           EC 2100 (20AX)         6.50           EC 2100 (20AX)         6.50           EC 2100 (20AX)         6.50           EC 2100 (20AX)         6.50           FEC 2100 (20AX)         6.50           FEC 2110 (pre Jan '77)         7.00           hilps G 83 Short Focus Lead         7.12	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90 Pye 169 Pye 741 Bang & Olufson Decca 80 Decca 100 Decca 1730	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 9.90 (2000,3000) 14.69 8.58 8.58 9.00 8.58 8.58	10 Ele. UHF         1.62           3 Ele. VHF         6.74           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.30           Loop Aerial         1.00           Antil-Silver Sensor         7.41	3 Phone E Cable Ex Ext. Soc Ext. Soc Cable Ti 5 m Ext. 3 m Ext. D Jual Ad	CESSORI xt. Kit t. Kit ket Surface ket Flush dy Lead Lead aptor	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50	Electric Circuit Tes Probes (×10) or ( Philips Switchable Automatic Wire Stt J.C. Inserters Micro Pliers Micro Cutters Trim Tools Metal { Side Cutters sm. Long Nose Pliers	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. river Sm. 40 Lg.
hom 8500/8800         7.15           horn 9000         8.70           becca 1730/1830         5.48           becca 1730/1830         5.48           becca 1730/1830         5.48           becca 1730/1830         5.48           becca 100         7.10           becca 100         7.50           becca 100         7.40           becca 100         7.40           becca 100         7.40           becc 2200 (20AX)         6.50           EC 2100 (pre Jan '77)         7.00           hilips G8 Short Focus Lead         7.12           hilips G9         6.37	Philips KT3 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90° Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1730 Decca 1730 Decca 2230	15.95 17.94 13.39 14.41 15.58 10.00 10.55 10.00 (2000,3000) 14.69 8.58 8.58 8.58 8.58 8.58	10 Ele. UHF         1.67           3 Ele. VHF         6.70           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.30           Loop Aerial         1.00           Antil-Silver Sensor         7.40           Anti-Super Set Top         6.50	3 3 3 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	CESSORI t. Kit t. Kit t. Kit sket Slurface ket Flush dy Lead Lead Lead aptor ine Plug	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pliers Micro Cutters Trim Tools Metal I Side Cutters sm. Long Nose Pliers Sm. Neon Screwd Quick Set Adhesiw Avo Meters Factor	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. river 5. 5. 5. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
hom 8500/8600         7.15           hom 9000         8.70           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 730/1830         5.48           beccal 730/1830         5.48           beccal 712         6.50           beccal 712         6.50           beccal 712         6.50           beccal 7200 (20AX)         6.50           beccal 7210 (pre Jan '77)         7.00           hilips G8 Short Focus Lead         7.12           hilips G8 Short Focus S50         7.12           hilips G8 Short Focus S50         7.12           hilips KT3         7.00	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 725 90' Pye 741 Bang & Olufson Decca 100 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2040	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 10.00 9.90 (2000,3000) 14.69 8.58 8.58 8.58 8.58 8.58 16.75 9.50	10 Ele. UHF         1.67           3 Ele. VHF         6.74           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.33           Loop Aerial         1.00           Antil-Silver Sensor         7.44           Anti-Caratenna         7.22	3 3 3 3 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	CESSORI xt. Kit t. Kit ket Surface ket Flush dy Lead aptor ine Plug rd (4 Spade) Iserier	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal E Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesiv Avo Meters Facton Avo Battery	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. river 1. Sm. 40 Lg. e (Superglue) y recon. 119. 2.
hom 8500/8800         7.15           hom 9000         8.70           hecca 1730/1830         5.48           hecca 30         6.76           hecca 80         7.12           hecca 100         7.50           hecca 100         7.50           hecca 100         7.40           hEC 2100         7.40           hecca 100         7.12           hecca 100         7.40           helps G8 hont Focus Lead         7.12           helps G8 hont Focus Lead         7.12           helps G9         6.37           ye/Philips KT3         7.00           ye 134 Lead         8.79	Philips KT3 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1700 Decca 1730 Decca 2230 GEC 2110	15.95 17.94 13.39 14.41 15.58 10.50 10.50 10.50 (2000,3000) 14.65 8.58 8.58 9.00 8.58 8.58 9.50 16.75 9.50 10.85	10 Ele. UHF         1.66           3 Ele. VHF         6.70           4 Ele. VHF         8.00           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.30           Loop Aerial         1.00           Anti-Super Set Top         6.50           Anti-Caratenna         7.22           Anti-Traveller         11.50	3 3 3 Cable Ex- Cable Ex- Ext. Soci Cable Ti 5 m Ext. 0 3 m Ext. 0 0 0 1 m Ext. 0 0 0 1 m Ext. 0 0 0 1 m Ext. 0 0 1 m Ext. 0 0 0 1 m Ext. 0 0 0 0 1 m Ext. 0 0 0 0 0 0 0 0 0 0 0 0 0	CESSORI xt. Kit t. Kit tket Surface ket Flush dy Lead aptor ine Plug d (4 Spade) hserier nger	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Cutters Trim Tools Metal I Side Cutters sm. Long Nose Pilers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Anti	×1) 10. Probes 13. rippers 6. 1, 4. Ended 1. river 1. sm. 40 Lg. e (Supergiue) y recon. 119. istat min. 4. istat std. 5.
hom 8500/8500         7.15           hom 9500         8.70           becca 1730/1830         5.48           becca 30         6.76           becca 1730/1830         7.12           becca 80         7.12           becca 100         7.50           becca/17100         6.50           becca/17100         7.12	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90" Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2110 GEC 2040 ITT CVC 1/9 ITT CVC 20	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 (2000,3000) 14.69 8.58 8.58 9.90 8.58 8.58 16.75 9.55 10.85 32 8.65	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.34 Loop Aerial 1.00 Antil-Silver Sensor 7.44 Anti-Super Set Top 6.55 Anti-Caratenna 7.20 Anti-Traveller 11.56 FULL RANGE LISTED IN CATAL OCUE	3 3 3 Cable Ex Cable Ex Ext. Soc Cable Ti 5 m Ext. 0 3 m Ext. 0 0 4 Way L Line Cor 0 1.D.C. II Tone Rin Phone E Cable De Ext. Soc Cable De Ext. Soc Cable I 5 m Ext. 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	CESSORI xt. Kit t. Kit ket Surface ket Flush dy Lead aptor ine Plug rd (4 Spade) Iserier	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal I Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesivi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti	×1) 10. Probes 13. rippers 6. I. 4. 5. Ended 1. river 1. start std. 5. istat 19. 5. 10. 10. 11. 11. 12. 13. 13. 13. 14. 15. 14. 15. 16. 17. 17. 17. 17. 17. 17. 17. 17
Thom B500/8800         7.15           Thom 9000         8.70           beccal 1730/1830         5.48           beccal 730/1830         5.48           beccal 230         6.76           beccal 80         7.12           beccal 100         7.50           beccal 100         7.40           BEC 2100         7.40           BEC 2200 (20AX)         6.50           BEC 2100 (2028)         6.60           BEC 2110 (pre Jan 77)         7.00           Philips G8 Short Focus Lead         7.12           Philips G9         7.40           Yee/Philips KT3         7.00           Yee 713 5 Lead         8.79           Yee 713 5 Lead         8.79           Yey 713 5 Lead         8.75           A.B.M. A823 plug in         8.75	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 725 90'' Pye 741 Bang & Olufson Decca 80 Decca 100 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2040 ITT CVC 1/9 ITT CVC 20 ITT CVC 45 R.B.M. T20	15.95 17.94 13.39 14.41 15.58 10.00 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 32 8.65 32 8.60 9.50 13.95	10 Ele. UHF         1.67           3 Ele. VHF         6.74           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.34           Loop Aerial         1.00           Anti-Silver Sensor         7.44           Anti-Silver Set Top         6.55           Anti-Caratenna         7.21           Anti-Traveller         11.50           FULL RANGE LISTED         IN CATALOGUE.	3 3 3 Cable Ex Cable Ex Ext. Soc Cable Ti 5 m Ext. 0 3 m Ext. 0 0 4 Way L Line Cor 0 1.D.C. II Tone Rin Phone E Cable De Ext. Soc Cable De Ext. Soc Cable I 5 m Ext. 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	CESSORI xt. Kit t. Kit ket Surface ket Flush dy Lead Lead aptor ine Plug 'd (4 Spade) isserier nger iaver Phone Lock xtersion Reeler	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50 4.00	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal If Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesivi Avo Battery Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti	×1) 10. Probes 13. rippers 6. I. 4. Ended 1. triver 1. triver 2. Sm. 40 Lg. e (Superglue) y recon. 119. istat min. 4. istat std. 5. istat Ige 6. See Special Of
hom 8500/8800         7.15           hom 9000         870           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 80         7.12           beccal 100         7.50           beccal 100         7.50           beccal 100         7.40           EC 2100 (20AX)         6.50           EC 2200 (20AX)         6.50           EC 2110 (pre Jan '77)         7.00           hhilps G8 bont Focus Lead         7.12           hhilps G9         6.37           'ye/Philips KT3         7.00           'ye 713 5 Lead         8.79           'ye 713 5 Lead         8.79           'ye 713 5 Lead         8.75           IaM. A823 plug in         8.75           IaM. A823 plug in         8.75           IaM. A823 plug in         8.75           Iam K T20/22         7.12           TC CVC5/9         7.30	Philips KT3 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90' Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1730 Decca 1730 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/300/ ITT CVC 20/ ITT CVC 20/ ITT CVC 20/ ITT CVC 45 R.B.M. BUSHR,	15.95 17.94 13.39 14.41 15.58 10.50 10.00 10.00 (2000,3000) 14.69 8.58 8.58 9.00 8.58 16.75 9.50 32 8.65 32 8.65 32 8.65 32 8.65 32 8.65 34 8.65 32 8.65 34 8.65 34 8.65 35 8.65 34 8.65 35 8.65 34 8.65 35 8.65 34 8.65 35 8.65 34 8.65 35 8.65 35 8.65 36 8.65 36 8.65 37 8.65 38 8.65 38 8.65 38 8.65 38 8.65 38 8.65 38 8.65 38 8.65 39 8.55 30 8.	10 Ele. UHF         1.67           3 Ele. VHF         6.74           4 Ele. VHF         8.03           Omnidirect (Round)         8.93           F.M.         SET TOP AERIALS           Olympic II         2.34           Loop Aerial         1.00           Anti-Silver Sensor         7.44           Anti-Super Set Top         6.55           Anti-Caratenna         7.21           Anti-Traveller         11.50           FULL RANGE LISTED         IN CATALOGUE.           NOTE:         1	3 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	CESSORI xt. Kit t. Kit t. Kit tiket Surface ket Flush dy Lead aptor ine Plug d (4 Spade) hserier nger iaver Phone Lock xtersion Reeler Socket	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesiv Avo Meters Factor Avo Battery Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Sucker Sm. Solder Sucker Sm. Solder Sucker Sm.	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. river 1. stat std. 5. See Special Of # Pack zles
hom 8500/8800         7.15           horn 9000         8.70           horn 9000         8.70           heccal 730/1830         5.48           heccal 70         7.40           heccal 70         7.50           becca 100         7.40           EC 2404/02/8         6.60           EC 2200 (20AX)         6.50           EEC 2404/02/8         6.60           EEC 2404/02/8         6.60           FEC 2404/02/8         6.60           FEC 2404/02/8         6.63           yee/Philips GB Long Focus E50         7.12           hhilips GB Long Focus 4         8.79           ye 713 5 Lead         8.79           Ye 731/25         8.75           ISM. A823 plug in         8.75           ISM. A823 plug in         8.75           ISM. A823 plug in         8.75           ISM. K202/2         7.12           TIC CVC20/25/30 (Mullard)         7.10	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90" Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 25/30/ ITT CVC 45 R.B.M. Z0 R.B.M. BUSHR, R.B.M. BUSHR, R.B.M. BUSHR, R.B.M. BUSHR,	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 (2000,3000) 14.69 8.58 8.58 9.90 (2000,3000) 14.69 8.58 8.58 16.75 9.50 32 8.65 32 8.65 33 8.59 35 8.59 35 8.59 36 8.59 37 9.50 38 8.59 39 9.50 39 9.50 39 9.50 39 9.50 39 9.50 39 9.50 30 8.58 30 8.58 30 8.58 30 8.58 30 8.58 30 8.58 30 8.58 30 8.59 30 8.58 30 8.59 30 8.5	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.34 Loop Aerial 1.04 Anti-Super Set Top 6.55 Anti-Caratenna 7.22 Anti-Traveller 11.54 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has	3     Phone E       2     Cable Ex       Cable Ti     Cable Ti       2     Sm Ext. Soc       3     Sm Ext. Soc       4     Way L       4     Way L       10     Line Cor       10     Line Cor       11     Tone Rin       12     Phone S       13     Phone S       14     Pape       15     Pape       87     Pape	CESSORI xt. Kit t. Kit ket Surface ket Surface ket Flush dy Lead Lead Lead Lead tead	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal E Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesivi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Noz	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. rriver Sm. 40 Lg. e (Superglue) y recon. 119. y recon. 119. istat tol. 5. istat lge. 6. See Special Of 19 Pack zles
horn B500/8800         7.15           horn 9000         8.70           horn 91000         8.70           horn 91000         8.70           heccal 730/1830         5.48           hecca 1730/1830         5.48           hecca 1730/1830         5.48           hecca 100         7.50           hecca 100         7.40           EC 2100 (20X)         6.50           EC 2200 (20X)         6.50           EC 2200 (20X)         6.50           EC 2100 (0re Jan 77)         7.00           hilips G8 Short Focus Lead         7.12           hilips G9         6.37           Yee/Philips KT3         7.00           Yee 713 4 Lead         8.79           Yee 713 5 Lead         8.79           Yee 713 5 Lead         8.79           RLM A823 plug in         8.75           RLM A823 plug in         8.75           TC CVC5/9         7.50           TT CVC5/9         7.50           TT CVC45         8.65           hiversai \mathfraces Special Offer	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90' Pye 169 Pye 741 Bang & Olufson Decca 100 Decca 100 Decca 1700 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/30/ ITT CVC 25/30/ ITT CVC 25/30/ ITT CVC 25/30/ ITT CVC 45 R.B.M. BUSHR, R.B.M. BUSHR	15.95 17.94 13.39 14.41 15.58 10.00 10.55 10.00 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 32 8.65 32 8.55 32 8.55 33 7.55 34 7.75 54 7.75 55 56 7.75 56 7.75 56 7.75 56 7.75 56 7.75 56	10 Ele. UHF       1.67         3 Ele. VHF       6.74         4 Ele. VHF       8.03         Omnidirect (Round)       8.93         F.M.       SET TOP AERIALS         Olympic II       2.34         Loop Aerial       1.00         Anti-Silver Sensor       7.41         Anti-Garatenna       7.21         Anti-Caratenna       7.21         Anti-Traveller       11.50         FULL RANGE LISTED       IN CATALOGUE.         NOTE:       Most aerial equipment has to be sent by carrier         Icot set tonsl 67.50       + VAT	A Phone E Cable Ex- Ext. Soc Ext. Soc Sm Ext. Soc Sm Ext. A D Sm Ext. D Sm Ext. D Sm Ext. D Line Cor D LO.C. IT Tone Rin Phone S Phone E Master 3 <b>P&amp;P</b> 87p + VAT	CESSORI xt. Kit t. Kit tket Surface ket Flush dy Lead Lead Lead aptor ine Plug d (4 Spade) serier nger hger Phone Lock xtension Reeler Socket CRT Restorer/Analy B&K DYNASCAN	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal E Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesivi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Noz	× 1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. river 1. stat std. 5. See Special Of # Pack zles
hom 8500/8600 7.15 hom 9000 870 ecca 1730/1830 5.48 ecca 30 6.76 ecca 100 7.50 ecca 100 7.50 ecca/Tatung 120/130 6.50 iEC 2100 7.40 iEC 2200 (20AX) 6.50 iEC 2010 (20AX) 7.00 iEC 200 (20AX) 7.00 iEC 20AX) 7.00 iEC 20AX 7.00 iE	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 713/715 Pye 725 90" Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2104 ITT CVC 45 R.B.M. T20 R.B.M. BUSHR, R.B.M. BUSHR, R.B.	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 (2000,3000) 14.69 8.58 8.58 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 9.50 32 8.65 9.50 13.95 4NGER T16A 10.00 F 9.95 4NGER T18A 10.00 F 9.95 4N 7.95 50 17.50 0 Mains 10.00	10 Ele. UHF 1.66 3 Ele. VHF 6.70 4 Ele. VHF 8.00 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.30 Loop Aerial 1.00 Antil-Silver Sensor 7.40 Anti-Super Set Top 6.50 Anti-Caratenna 7.22 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT	A Phone E Cable E Cable E Ext. Soc Cable T Soc D Som Ext. D Som Ext. D Line Cor D Line Cor D Line Cor D Line Cor D Nore Rin Phone E Master S Phone E Master S PAP	CESSSORI xt. Kit t. Kit ket Surface ket	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal E Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Solder Sma Solder Sucker Noz Solda Mop Stnd. For sold. irons see Specific Spares Choc Bioc SA	×1) 10. Probes 13. rippers 6. 1. 4. 5. Ended 1. 1. river 5. Sm. 40 Lg. e (Superglue) y recon. 119. y recon. 119. istat tol. 5. istat lge. 6. See Special Of HI Pack zles a Antex/Weller Under
hom 8500/8600         7.15           hom 9000         8.70           eccal 730/1830         5.48           eccal 730/1830         5.48           eccal 730/1830         5.48           eccal 730/1830         5.48           eccal 80         7.12           eccal 700         7.40           eccal 700         7.40           ecca 100         7.40           EC 2100         7.40           EC 2200 (20AX)         6.50           EC 2100/0228         6.60           EC 2100/0228         6.60           EC 2100/0228         6.37           hilips GB Short Focus Lead         7.12           hilips GG         7.12           hilips GB Short Focus Lead         8.79           yer 713 4 Lead         8.79           yer 713 5 Lead         8.79           T CVC20/25/30 (Mullard)         7.12           T CVC20/25/30 (Mullard)         7.12           T CVC20/25/30 (Mullard)         7.12           T V13         1.26           V 14         1.28           V 18         1.10	Philips KT3 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 713/715 Pye 725 90" Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2040 ITT CVC 45 R.B.M. T20 R.B.M. BUSHR, R.B.M. BUSHR, R.B.	15.95 17.94 13.39 14.41 15.58 10.50 10.50 10.50 10.50 10.50 10.50 10.50 8.58 8.58 9.00 8.58 8.58 9.50 10.85 32 8.65 32 8.56 32 8.55 32 8.55 33 8.55 33 8.55 34 8.55 35	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.07 0 minidirect (Round) 8.93 F.M. SET TOP AERIALS 0 lympic II 2.34 Loop Aerial 1.01 Antil-Silver Sensor 7.44 Anti-Super Set Top 6.54 Anti-Caratenna 7.22 Anti-Traveller 11.54 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY	A Phone E Cable Ex- Ext. Soc Ext. Soc Sm Ext. Soc Sm Ext. A D Sm Ext. D Sm Ext. D Sm Ext. D Line Cor D LO.C. IT Tone Rin Phone S Phone E Master 3 <b>P&amp;P</b> 87p + VAT	CESSORI xt. Kit t. Kit ket Surface ket Flush dy Lead Lead aptor ine Plug id (4 Spade) hserier nger laver Phone Lock xtersion Reeler Socket CRT Restorer/Analy B&K DYNASCAN * Tests emission. * Restores tubes with low	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Cutters Trim Tools Metal I Side Cutters sm. Long Nose Pliers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Anti Soldar Sucker Not Solda Mop Stnd. For Sold. irons set Specific Spares	× 1) 10. Probes 13. rippers 6. 1 4. Ended 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
horn #500/8800         7.15           horn #9000         8.70           becca 1730/1830         5.48           becca 30         6.76           becca 80         7.12           becca 100         7.50           becca 100         7.40           becca 200 (20AX)         6.50           bec 2200 (20AX)         6.50           bec 2200 (20AX)         6.50           bec 22010 (20AX)         6.50           bec 22010 (20AX)         6.50           bec 2200 (20AX)         6.50           bec 22010 (20AX)         6.50           bec 22010 (20AX)         6.50           bec 22010 (20AX)         6.50           bec 291/3 (20)         7.12           brilips G8 Long Focus 550         7.12           brilips G9 Long Focus 550         7.12           brilips G9 Long A Lead         8.79           bye 713 1 Lead         8.79           bye 713 5 Lead         8.75           10 CVC20/25/30 (Mullard)         7.12           TC CVC45         8.65     <	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90' Pye 169 Pye 741 Bang & Olufson Decca 100 Decca 100 Decca 1700 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/30/ ITT CVC 45 R.B.M. BUSHR, R.B.M. BUSHR, Thom 3000 EL Thom 8500 Thom 1615 Thom 1611	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 10.50 10.60 10.60 10.60 10.60 10.60 10.60 10.60 8.58 8.58 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 32 8.65 32 8.65 32 8.65 9.50 13.95 ANGER T16A 10.00 4.00 F 9.95 ANGER T16A 10.00 5.00 F 9.95 ANGER T18A 10.00 F 9.95 ANGER T18A 20.00 F 9.95 ANGER T18A 20.00 F 9.95 ANGER T18A 10.00 F 9.95 ANGER T18A 20.00 F 9.55 ANGER T18A 20.00 F 9.55 ANGER T18A 20.00 F 9.55 ANGER T18A 20.00 F 9.55 F 9.55 ANGER T18A 20.00 F 9.55 F 7.55 F	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.30 Loop Aerial 1.00 Anti-Silver Sensor 7.40 Anti-Super Set Top 6.51 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY	B B Cable Ex- Ext. Soc Cable Ti D Sm Ext. Soc Cable Ti D Sm Ext. Soc Cable Ti D Sm Ext. Soc Cable Ti D Sm Ext. D Sm Ext.	CESSSORI xt. Kit t. Kit ket Surface ket	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 0.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal E Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Noz Solda Mop Stnd. For sold. irons see Specific Spares Choc Bloc 5A Fluorescent Starter Battery Press Stud	×1) 10. Probes 13. rippers 6. 1. 4. Ended 1. triver 1. Sm. 40 Lg. e (Superglue) y recon. 119. y recon. 119. istat tol. 5. istat lge 6. See Special Of HI Pack zeles a Antex/Weller Under A, 30A r (4-80W) Is min.
hom 6500/6800 7.15 hom 9000 8.70 leccal 730/1830 5.48 lecca 30 6.76 lecca 30 6.76 lecca 30 6.76 lecca 30 7.50 lecca 100 7.50 lecca/Tatung 120/130 6.50 lEC 2100 (20AX) 6.50 lEC 2200 (20AX) 6.50 lEC 2200 (20AX) 6.50 lEC 22010 (pre Jan 77) 7.00 hhilps G8 Jont Focus Lead 7.12 hhilps G8 Jont Focus Lead 7.12 hhilps G9 5.01 Focus Lead 8.79 ye 713 4 Lead 8.79 ye 713 5 Lead 8.75 lank T20/22 7.12 TT CVC5/9 7.50 TT CVC5/9 7.50	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 713/715 Pye 725 90" Pye 169 Pye 741 Bang & Olutson Decca 80 Decca 100 Decca 1700 Decca 1700 Decca 1700 Decca 2230 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2040 ITT CVC 45 R.B.M. 2017 R.B.M. BUSHR, R.B.M. B	15.95 17.94 13.39 14.41 15.58 10.00 10.50 (2000,3000) 14.69 8.58 8.58 9.50 (2000,3000) 14.69 9.50 16.75 9.50 10.85 32 8.65 32 8.65 32 8.65 32 8.65 9.50 13.95 34 NGER T16A 10.00 MAIGER T16A 10.00 13.95 ANGER T16A 10.00 13.95 ANGER T16A 10.00 9.95 0 Mains 10.00 9.68 9.68 9.68 9.68 9.68 9.68 9.68 9.68	10 Ele. UHF 1.67 3 Ele. VHF 6.70 4 Ele. VHF 8.07 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.33 Loop Aerial 1.00 Anti-Super Set Top 6.50 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY JUST ASK	A Phone E Cable E Cable E Ext. Soc Cable Ti O Sm Ext. O Sm Ext. D Sm Ext. D Line Cor D L.C. Ir D Tone Rii Phone S Phone E Master S PRP 87p + VAT up to 1 kilo	CESSSORI xt. Kit t. Kit ket Surface ket	7.50 5.95 1.68 1.75 2.23 0.25 1.35 0.25 1.35 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Otters Trim Tools Metal I Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Solder Solde	× 1) 10. Probes 13. rippers 6. 14. 5. Ended 1. 17. 10. 14. 10. 14. 10. 19. 19. 19. 19. 19. 19. 19. 19
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horn #500/800         7.15           horn 9000         8.70           becca 30         6.76           becca 40         7.12           becca 30         6.76           becca 1730/1830         5.48           becca 100         7.50           becca 100         7.50           becca 100         7.40           SEC 200 (20AX)         6.50           SEC 200 (20AX)         6.50           SEC 200 (20AX)         6.50           SEC 200 (20AX)         6.50           SEC 2010 (20AX)         6.50           Sec 2040/2028         7.12           Prive 713 Lead         8.79           Yee 7113 5 Lead         8.79           Yee 7113 5 Lead         8.79           TC V	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips TX3 Philips TX3 Philips TX3 Philips TX3 Pye 725 90' Pye 741 Bang & Olufson Decca 100 Decca 1700 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/30/ ITT CVC 45 R.B.M. BUSHR, Thom 3000 EL Thorn 5000 Thorn 1615 Thorn 1691 Thorn 9000 <b>VARIC/</b> ELC1043-05	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 10.60 10.60 10.60 10.60 10.65 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 9.50 32 8.65 9.50 32 8.65 9.50 34 NGER T16A 10.00 ANGER T16A 10.00 ANGER T18A 10.00 0 Mains 10.00 12.55 0 Mains 12.55 0 Mains 12.55 3 AP TUNERS 8.40	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. <b>SET TOP AERIALS</b> Olympic II 2.33 Loop Aerial 1.00 Antil-Siver Sensor 7.44 Anti-Super Set Top 6.50 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY JUST ASK We cannot advertise our compli- of products. Please ask if your something which is not listed, ie	A Phone E Cable E Ext. Soc Cable T D Sm Ext. D Sm Ext. D Sm Ext. D Line Cor D L. C Ir D Tone Rii Phone E Master S Phone E Master S P XAT up to 1 kilo	xt. Kit t. Ki	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 5.50 4.00 7.95 2.85 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pliers Micro Otters Trim Tools Metal I Side Cutters sm. Long Nose Pliers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Solder	×1) 10. Probes 13. rippers 6. 4. Ended 1. 4. Ended 1. 1. river 5m. 40 Lg. e (Superglue) y recon. 119. y recon. 119. y recon. 119. istat rstd. 5. See Special Of til Pack zeles 2. e Antex/Weller Under A, 30A r (4-80W) Is smin. Is std. Sm. 1.59 Lg. 2. esive Tape 5 re
hom 8500(8600         7.15           hom 9000         8.70           becca 1730(1830         5.48           becca 1730(1830         5.48           becca 1730(1830         5.48           becca 100         7.50           becca 100         7.50           becca 100         7.40           bEC 2100 (20AX)         6.50           EEC 2100 (20AX)         6.50           EEC 2100 (20AX)         6.50           EEC 2100 (20AX)         7.12           hilips G8 bont Focus Lead         7.12           hilips G8 bont Focus Lead         7.12           hilips G9 (200)         7.40           ye 713 5 Lead         8.79           ye 713 5 Lead         8.79           ye 713 5 Lead         8.79           ye 713 5 Lead         8.75           Iank T20/25         8.75           IT C VC20/25/30 (Mullard)         7.12           TT C VC20/25/30 (Mullard)         7.12           TT C VC20/25/30 (Mullard)         7.10           V 18         1.00           V 20         1.43           PUSH BUTTON ASS.           iftachi 4 way         17.23           hilips 68 (laty)         17.32	Philips KT3 Philips K30 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips G11 Pye 713/715 Pye 725 90' Pye 169 Pye 741 Bang & Olufson Decca 100 Decca 100 Decca 1700 Decca 1700 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/30/ ITT CVC 45 R.B.M. BUSHR, R.B.M. BUSHR, R.B.M. BUSHR, R.B.M. BUSHR, Thom 3000 JS0 Thom 6900 (GE Thom 9000 VARIC, ELC 1043-05 ELC 1043-05	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.50 10.60 10.60 10.50 10.60 10.50 10.65 8.58 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 9.50 32 8.65 9.50 32 8.65 9.50 33 8.60 9.55 34 NGER T16A 10.00 9.55 30 Mains 10.00 12.55 30 Mains 10.55 32 8.40 12.55 34 P TUNERS 8.40 41 ard 12.50 8.40 41 ard 12.50	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. <b>SET TOP AERIALS</b> Olympic II 2.33 Loop Aerial 1.00 Anti-Silver Sensor 7.44 Anti-Super Set Top 6.53 Anti-Caratenna 7.24 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY <b>JUST ASK</b> We cannot advertise our complet of products. Please ask if your something which is not listed, ie Stationery, Styli, Axial/Badie Ele	B B Cable Ex- Ext. Soc Cable Ti D Sm Ext. Soc The Cable Ti D Sm Ext. Soc The C	CESSSORI xt. Kit t. Kit ket Surface ket	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 5.50 0.35 5.50 0.35 5.50 2.85 2.85 2.85 2.85 2.85 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Cutters Trim Tools Metal I Side Cutters sm. Long Nose Piters Sm. Neon Screwd Quick Set Adhesiw Avo Meters Factor Avo Battery Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Sucker Anti Solder Sucker Noz Solder Sucker Noz Sol	x 1) 10. Probes 13. rippers 6. 14. 5. Ended 1. river 1. river 2. Sm. 40 Lg. e (Superglue) y recon. 119. 2. istat min. 4. istat std. 5. istat lge. 6. See Special Of till Pack zeles 2. e Antex/Weller Under A, 30A r (4-80W) fs min. Is std. 5. Sm. 1.59 Lg. 2 esive Tape 5. re p. 1
hom B500/8800         7.15           hom 9000         8.70           becca 30         6.76           becca 80         7.12           becca 1730/1830         5.48           becca 80         7.12           becca 100         7.50           becca/110ng 120/130         6.50           becca/1200         200/2028           bEC 2200 (20AX)         6.50           bEC 2200 (20AX)         6.50           becca/110 (pre Jan '77)         7.00           hhilips G8 Long Focus 550         7.12           hhilips G8 Long Focus 550         7.12           hhilips G9 Long Focus 550         7.12           hhilips G9 Long Focus 550         7.12           hye 713 5 Lead         8.79           ye 713 5 Lead         8.79           ye 713 5 Lead         8.79           ye 713 5 Lead         8.75           12mk T20/22         7.12           TT CVC5/9         7.50           17 CVC5/9         7.50           17 CVC45         8.65           10 V 20         1.428           V 14         1.287           hhilips G8 ((atel)         18.97           hhilips G8 ((atel)         18.97     <	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips TX3 Philips TX3 Philips TX3 Philips TX3 Pye 725 90' Pye 741 Bang & Olufson Decca 80 Decca 100 Decca 1700 Decca 1700 Decca 2230 GEC 2110 GEC 2040 ITT CVC 45 R.B.M 204 R.B.M BUSHR Thorn 3000 25/30/ Thorn 3000/350 Thorn 1615 Thorn 1691 Thorn 9600 (Ge Thorn 9000 VARIC, ELC 1043-05 ELC 1043-05 ELC 1043-05	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 9.90 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 32 8.60 32 8.65 32 8.65 32 8.65 32 8.65 32 8.65 32 8.65 32 8.65 32 8.65 32 8.65 30 8.58 31.95 32 8.65 32 8.65 32 8.50 8.50 8.50 8.50 8.50 9.50 13.95 30 8.58 31.95 32 8.55 32 8.65 32 8.65 32 8.55 31.95 32 8.55 31.95 32 8.55 31.95 32 8.55 31.95 32 8.55 32 8.65 32 8.55 32 8.55 32 8.55 31.95 32 8.55 34 10.00 5.55 34 11.55 35 34 11.55 35 34 11.55 35 34 11.55 35 34 11.55 35 34 11.55 35 34 11.55 35 35 34 11.55 35 35 34 11.55 35 34 11.55 35 35 34 11.55 35 34 11.55 35 35 36 36 37 38 38 38 38 38 38 38 38 38 38 38 38 38	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 6.77 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.34 Loop Aerial 1.00 Antii-Silver Sensor 7.44 Anti-Super Set Top 6.55 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY JUST ASK We cannot advertise our compli of products. Please ask if you re something which is not listed, lie Stationery, Styli, Axial/Radial Ele Mixed Dialectric Caps., Polyester	Phone E Cape 5 Phone E Caple 5 Phone E Caple 5 Phone E Caple 5 Cape 5	xt. Kit t. Ki	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 5.50 0.35 5.50 0.35 5.50 4.00 7.95 2.85 2.85 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pliers Micro Otters Trim Tools Metal I Side Cutters sm. Long Nose Pliers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Solder	×1)         10.           Probes         13.           rippers         6.           4,         5.           Ended         1.           triver         1.           triver         1.           triver         1.           e (Superglue)         y recon.           y recon.         19.           stat std.         5.           stat lge.         6.           See Special Of         11.           lil Pack         zles           e Antex/Weller Under         4.           A, 30A         r (4-80W)           ts min.         5.           Sm. 1.59 Lg. 2         2.           esive Tape         5.           re         1.           Japa         1.
hom 6500/6800         7.15           hom 9000         8.70           hom 9000         8.70           heccal 730/1830         5.48           heccal 730/1830         5.48           heccal 30         6.76           heccal 80         7.12           heccal 100         7.50           heccal 100         7.50           heccal 720/1830         6.80           heccal 100         7.50           heccal 7110 (pre Jan '77)         7.40           hilips G8 Short Focus Lead         7.12           hilips G8 Short Focus Lead         7.12           hilips G8 Short Focus Lead         8.79           ye 713 4 Lead         8.79           ye 713 5 Lead         8.79           ye 713 5 Lead         8.79           Haak T20/22         7.12           TC VC5/9         7.52           Jniversal ★ See Special Offer         7.12           V 14         1.26           V 14         1.23           V 18         1.10           V 20         1.43           PUSH BUTTON ASS           ditachi 4 way         12.36           hilips KT30         16.37           hilips KT30	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 725 90' Pye 741 Bang & Olufson Decca 100 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/30/ ITT CVC 45 R.B.M. BUSHR. Thom 3000 SC. Thorn 8500 Thom 1615 Thom 1691 Thom 9600 (Ge Thorn 9000 <b>VARIC/</b> ELC1043-05 ELC 1043-05 ELC 1043-05 Philips G11 (U3	15.95 17.94 13.39 14.41 15.58 10.00 10.50 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 28.85 32 8.65 9.50 32 8.65 9.50 32 8.65 9.50 32 8.65 9.50 34 NGER T16A 10.00 9.50 9.50 0 Mains 10.00 7 9.95 AN 7.95 AN 7.95 0 Mains 10.00 12.55 0 Mains 12.55 0 Mains 12.55 13.55 12.55 1	10 Ele. UHF 1.66 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. <b>SET TOP AERIALS</b> Olympic II 2.30 Loop Aerial 1.00 Anti-Silver Sensor 7.44 Anti-Super Set Top 6.51 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY <b>JUST ASK</b> We cannot advertise our complet of products. Please ask if you re something which is not listed, leis Stationery, Styli, Axial/Radial Elei Mixed Dialectric Caps. Polyeste Carbon Resistors, Wirewound F Filament Lamps, Thermistors, L	<ul> <li>Phone E</li> <li>Phone E</li> <li>Cable E</li> <li>Ext. Soc</li> <li>Ext. Soc</li> <li>Cable Ti</li> <li>D Sm Ext.</li> <li>D Sm Ext.</li> <li>D Sm Ext.</li> <li>D Ual Ad</li> <li>D Tone Rip</li> <li>Phone E</li> <li>Phone E</li> <li>Phone E</li> <li>PAP</li> <li>87p</li> <li>+ VAT</li> <li>up to</li> <li>1 kilo</li> <li>III</li> <li>ete range</li> <li>eter range</li> <li>eter colytics, er Caps.,</li> <li>Resistors,</li> <li>EDs. IC</li> </ul>	CESSSORI xt. Kit t. Kit ket Surface ket	7.50 5.95 1.68 1.75 0.99 2.93 2.50 0.25 1.35 5.50 4.00 7.95 2.85 5.50 4.00 7.95 2.85	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pilers Micro Cutters Trim Tools Metal I Side Cutters sm. Long Nose Pilers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Noz Solda Mop Stnd. D. I.Y. Solder Sma Solder Sucker Noz Solda Mop Stnd. Fuse Wire SA, 154 Fluorescent Starter Battery Press Stud Vero Board Double Sided Adh Tinned Copper Wii 18SWG 45 Anti 19SWG 45 Anti	x 1) 10. Probes 13. rippers 6. rippers 6. Ended 1. triver 1. river 2. Sm. 40 Lg. e (Superglue) 4. y recon. 119. 2. istat std. 5. See Special Of til Pack 2. zles 2. e Antex/Weller Under A, 30A r (4-80W) 15 min. Is std. 5. Sm. 1.59 Lg. 2 esive Tape 5 re p 1 np 1 np 1 10. Pack 1. State 1. S
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hom 8500/8600         7.15           hom 9000         8.70           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 7/30/1830         5.48           beccal 70         7.50           beccal 70         7.50           beccal 70         7.50           beccal 70         7.50           beccal 710         6.50           EC 2400 (20AX)         6.50           EC 2404/2028         6.60           EC 2404/2028         6.60           EC 2410 (pre Jan 77)         7.00           hilips G8 Sont Focus Lead         7.12           hilips G9         6.37           yer 713 5 Lead         8.79           ye 713 5 Lead         8.79           IB.M. A823 plug in         8.75           IB.M. A823 plug in         8.75           IB.M. A823 plug in         8.75           Iniversal ★ See Special Offer         7.12           TC VC20/25/30 (Mullard)         7.12           TC VC20/25/30 (Mullard)         7.12           Thibps G8 (late)         18.39           V 18         1.10           V 18         1.10           V 18         1.10	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips TX3 Philips TX3 Philips G11 Pye 725 90' Pye 741 Bang & Olufson Decca 80 Decca 100 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2040 ITT CVC 45 R.B.M Z20 R.B.M BUSHR, Thorn 3000 SET Thorn 4500 Thorn 4500 GEN 2000 Chorn 500 GEN 2000 Chorn 500 Chorn 9000 CARIC, ELC 1043-05 ELC 2003 Philips G11 (U3 TX90 U322 U341	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 9.90 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 32 8.55 32 8.65 32 8.55 32 8.65 32 8.55 34 10.05 55 30 Mains 10.00 5,55 30 Mains 12.55 30 Mains 12.55 30 Mains 12.55 31 25.55 31 25.55 32 8.40 12.55 32 8.40 12.55 31 3.55 32 8.40 12.55 32 8.40 12.55 32 8.40 12.55 32 8.40 12.55 34 12.55 34 12.55 35 12.55 35 12.55 36 12.55 37 12.55 38 40 39.55 30 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 32 8.40 31 12.55 31 12.55 32 8.40 31 12.55 32 8.40 32.55 32 8.40 32.55 32.	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.34 Loop Aerial 1.00 Antil-Silver Sensor 7.44 Anti-Super Set Top 6.55 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY JUST ASK We cannot advertise our complo of products. Please ask if your something which is not listed, lie Stationery, Styli, Axia/Radial Ele Mixed Dialectric Caps., Polyeste Carbon Resistors, Wirewound F Filament Lamps, Thermistors, L Sockets, Floppy Discs, Comput Callecting only) New Moon Tut	A Phone E Cable E Ext. Soc Cable T D Sm Ext. D Sm Ext. D Sm Ext. D D Line Cor D Line Cor D Line Cor D Line Cor D Tone Rin Phone E Master S Phone E Master S PROME B7p +VAT up to 1 kilo // Eter Caps., Resistors, EDs. IC er es	xt. Kit t. Kit t. Kit ket Surface ket Surface ket Surface ket Surface ket Surface ket Surface ket Surface ket Surface Lead aptor ine Plug d (4 Spade) hserier nger Aver Phone Lock xtersion Reeler Socket CRT Restorer/Analy B&K DYNASCAN * Tests emission. * Checks shorts/leakages. * Indicates tracking between * Checks "life" of tubes. * Checks AVAILAB CURBO RECHARGEAN	7.50 5.95 1.68 1.75 0.99 2.93 2.50 0.25 1.35 5.50 4.00 7.95 2.85 5.50 5.50 5.50 5.50 5.50 5.50 5.50 5	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pliers Micro Otters Trim Tools Metal I Side Cutters sm. Long Nose Pliers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Solg Dubler Solg Herter Anti Solder Solg Duble Solded Adht Tinned Copper Witi 18SWG 45 Am 20SWG	×1) 10. Probes 13. rippers 6. 1. 4. Ended 1. triver 5. Ended 1. triver 6. Sm. 40 Lg. e (Superglue) y recon. 119. y recon. 119. y recon. 119. jistat tol. 5. See Special Of HI Pack colored for the second of the s
horn #500/8800         7.15           horn 9000         8.70           becca         170/1830         5.48           becca         30         6.76           becca         100         7.50           becca         100         7.40           EC 2400 (20AX)         6.50         5EC           EC 2400 (20AX)         6.50         5EC           EC 2400 (20AX)         6.50         7.12           Philips G8 Short Focus Lead         7.12           Philips G8 Short Focus Lead         8.77           Yee 713 5 Lead         8.79           Jank T20'22         7.12           TC CVC20'25/30 (Mullard)         7.12           TC CVC25         8.06           Jniversal ★ See Special Offer         7.82           V 14         1.26           V 14<	Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX2 Philips TX3 Philips TX3 Philips G11 Pye 725 90' Pye 741 Bang & Olufson Decca 80 Decca 100 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2110 GEC 2110 GEC 2110 GEC 2040 ITT CVC 45 R.B.M 2025/30/ ITT CVC 45 R.B.M BUSHR, Thorn 3000 SE Thorn 4000 GE Thorn 500 Thorn 4000 GE Thorn 9000 VARIC, ELC 1043-05 ELC 104305 MI ELC 1043-05 ELC 104305 MI ELC 1043-05 ELC 2003 Philips G8/G9 Philips G11 (U3 TX90 U341 U342	15.95 17.94 13.39 14.41 15.58 10.00 (2000,3000) 14.69 8.58 8.58 8.58 16.75 9.50 32 8.60 32 8.6	10 Ele. UHF 1.67 3 Ele. VHF 6.77 4 Ele. VHF 8.02 Omnidirect (Round) 8.93 F.M. SET TOP AERIALS Olympic II 2.30 Loop Aerial 1.00 Anti-Super Set Top 6.55 Anti-Caratenna 7.20 Anti-Caratenna 7.21 Anti-Caratenna 7.21 Anti-Caratenna 7.21 IN CATALOGUE. NOTE: Most aerial equipment has to be sent by carrier (not set tops) £7.50 + VAT NEXT DAY DELIVERY JUST ASK We cannot advertise our comple of products. Please ask if your something which is not listed, ie Stationery, Styli, Axial/Badiat Ele Mixed Dialectric Caps., Polyeste Carbon Resistors, Wirewound F Filament Lamps, Thermistors, L Sockets, Floppy Discs, Comput (collection only), New Mono Tut Crystals, Cables (post chys ext	Cable Eb Cable Eb Cable Eb Ext. Soc Cable Ti Som Ext. Som Ext. Som Ext. D Som Ext. Som Ext.	CESSSORI xt. Kit t. Kit ket Surface ket	7.50 5.95 1.68 1.75 0.99 2.95 2.23 2.50 0.25 1.35 5.50 0.35 5.50 0.35 5.50 4.00 7.95 2.85 2.85 2.85 2.85 2.85 2.85 2.85 2.8	Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Piters Micro Piters Micro Cutters Side Cutters sm. Long Nose Pilers Sm. Neon Screwd Quick Set Adhesivi Avo Meters Factor Avo Battery Solder Sucker Anti Solder Sucker Noz Solda Mop Stnd. For sold. irons set Specific Spares Choc Bloc SA Fuse Wire SA, 15/ Fluorescent Starter Battery Press Stud Battery Press Stud Battery Press Stud Battery Press Stud Battery Press Stud Battery Press Stud Battery Choper Wir 185WG 45 Am 145WG 100 Am 175WG 60 Am 195WG 45 Am	x 1) 10. Probes 13. rippers 6. 4. 5. Ended 1. river 1. river 1. (Sm. 40 Lg. e (Superglue) y recon. 119. y recon. 119. y recon. 119. See Special 01 ill Pack zles 2. e Antex/Weller Under 4. A, 30A r (4-80W) ds min. Is std. Sm. 1.59 Lg. 2 esive Tape 5 re 1. pp 1 np 1 np 1 pp 1 p
hom 8500/8800         7.15           hom 9000         8.70           becca 1730/1830         5.48           becca 20         6.76           becca 100         7.50           becca 100         7.50           becca 100         7.50           becca 100         7.45           becca 100         7.50           becca 100         7.40           becca 100         7.12           huips G8 bont Focus Lead         7.12           huips G8 bont Focus Lead         8.77           becra 112 bead         8.79           bye 713 4 Lead         8.79           bye 713 5 Lead         8.75           blm A823 plug in         8.75           blm A823 plug in         8.75           tack 120/22         7.12           T CVC5/9         7.50           Jniversal # See Special Offer         7.12           V 14         1.28           V 14         1.23           V 18         1.10 <td>Philips KT3 Philips K30 Philips K30 Philips TX2 Philips TX3 Philips TX3 Philips TX3 Philips TX3 Philips TX3 Philips C11 Pye 725 90' Pye 741 Bang &amp; Olufson Decca 100 Decca 1700 Decca 1700 Decca 1700 Decca 1730 Decca 2230 GEC 2110 GEC 2040 ITT CVC 25/30/ ITT CVC 45 R.B.M. BUSHR. Thom 3000 SC. Thorn 3000 SC. Thorn 9000 VARIC/ ELC1043-05 ELC 1043-05 ELC 1043-05 ELC 1043-05 Philips G3/G9 Philips G11 (U3 TX90 U322 U341 U342</td> <td>15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 9.90 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 32 8.55 32 8.65 32 8.55 32 8.65 32 8.55 34 10.05 55 30 Mains 10.00 5,55 30 Mains 12.55 30 Mains 12.55 30 Mains 12.55 31 25.55 31 25.55 32 8.40 12.55 32 8.40 12.55 31 3.55 32 8.40 12.55 32 8.40 12.55 32 8.40 12.55 32 8.40 12.55 34 12.55 34 12.55 35 12.55 35 12.55 36 12.55 37 12.55 38 40 39.55 30 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 32 8.40 31 12.55 31 12.55 32 8.40 31 12.55 32 8.40 32.55 32 8.40 32.55 32.</td> <td>10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. <b>SET TOP AERIALS</b> Olympic II 2.33 Loop Aerial 1.00 Antil-Silver Sensor 7.44 Anti-Super Set Top 6.50 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. 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Kit ket Surface ket Surface ket Surface ket Surface ket Surface ket Surface ket Surface ket Surface Lead aptor ine Plug d (4 Spade) Iserier nger Aver Phone Lock xtension Reeler Socket CRT Restorer/Analy B&amp;K DYNASCAN * Tests emission. * Checks shorts/leakages. * Indicates tracking betwee * Checks "life" of tubes. * Checks "Life</td> <td>7.50 5.95 1.68 1.75 0.99 2.93 2.50 0.25 1.35 5.50 4.00 7.95 2.85 5.50 4.00 7.95 2.85 ser 7.467 en guns. sathode VAT oF 5LE BLES 25.99 16.99 2.20</td> <td>Electric Circuit Tes Probes (× 10) or ( Philips Switchable Automatic Wire Sti I.C. Inserters Micro Pliers Micro Otters Trim Tools Metal I Side Cutters sm. Long Nose Pliers Sm. Neon Screwd Quick Set Adhesiwi Avo Meters Facton Avo Battery Solder Sucker Anti Solder Sucker Anti Dauble Sided Adhr Tinned Copper Vii 185WG 45 Am 205WG 22SWG Insulated Copper A</td> <td>×1) 10. Probes 13. rippers 6. 4. Ended 1. triver 5. Ended 1. triver 4. 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Thorn 9000 VARIC/ ELC1043-05 ELC 1043-05 ELC 1043-05 ELC 1043-05 Philips G3/G9 Philips G11 (U3 TX90 U322 U341 U342	15.95 17.94 13.39 14.41 15.58 10.00 10.50 10.00 9.90 (2000,3000) 14.69 8.58 8.58 8.58 8.58 16.75 9.50 10.85 32 8.65 32 8.55 32 8.65 32 8.55 32 8.65 32 8.55 34 10.05 55 30 Mains 10.00 5,55 30 Mains 12.55 30 Mains 12.55 30 Mains 12.55 31 25.55 31 25.55 32 8.40 12.55 32 8.40 12.55 31 3.55 32 8.40 12.55 32 8.40 12.55 32 8.40 12.55 32 8.40 12.55 34 12.55 34 12.55 35 12.55 35 12.55 36 12.55 37 12.55 38 40 39.55 30 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 31 12.55 32 8.40 31 12.55 31 12.55 32 8.40 31 12.55 32 8.40 32.55 32 8.40 32.55 32.	10 Ele. UHF 1.67 3 Ele. VHF 6.74 4 Ele. VHF 8.03 Omnidirect (Round) 8.93 F.M. <b>SET TOP AERIALS</b> Olympic II 2.33 Loop Aerial 1.00 Antil-Silver Sensor 7.44 Anti-Super Set Top 6.50 Anti-Caratenna 7.21 Anti-Traveller 11.50 FULL RANGE LISTED IN CATALOGUE. 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12V CCW 12V CW		£2.90 £2.90	JVC HR-3300 HR-3350 HR-3560/3660 HR-7200 AKAI	£5.00 £5.00 £5.00
CASSETTE TA	PE HEADS	£1.30	VS-9700EG HITACHI	
STEREO HEAD MONO MINI HEAD		£2.20	VT-5000	£4.75
	AD		VC-6300/6500	£5.00





Process & SCRS.          SCRS. SCRS. SCRS. <th>k 11 12 12 14 16 16 11 12 12 12 14 16 16 11 12 12 12 12 12 12 12 12 12 12 12 12</th> <th>RESISTORS.         Gry Description         300 Assorted Resistors, mixed values and types         300 Catoon Resistors, Al-/2wait, preformed, mixed.         300 Catoon Resistors, mixed values and types.         500 Wirewound Resistors, assorted values         500 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Ecrain Closeriols, min mixed values         101 Close tolerances, metal tol N, mixed values         102 Close Closeriols, mixed values         103 Electrohytics, all onts         104 Electrohytics, all onts         105 Shert Mice Claps, mixed values         107260 Min. Layer Metal Claps         10 Mixel Shape and Colour values         10 Mixel Shape and Colour VID         10 Mixel Shape and Col</th> <th>Price f100</th> <th>Pak         TRANSISTORS.         Price           No         Ory         Description         Price           VP172         10         SM1502 PNP TO:35 Stl. Transistors, 100v 100mA Hte100+         £1.00           VP201         20         CO21 type germanium AF Transistors, 100v 100mA Hte100+         £1.00           VP201         20         CO45 germanium BF Transistors, 100v 100mA Hte100+         £1.00           VP201         12         CO45 germanium BF Transistors, 100v 100mA Hte100+         £1.00           VP201         12         FET's UHF/MY Anglifters, sx04km315 2/M545, data         £1.00           VP271         10         FET's UHF/MY Anglifters, sx04km315 2/M545, data         £1.00           VP202         12         ZTX300 NPN Silcon Transistors, 104 S20         £1.00           VP203         12         CX300 NPN Silcon Transistors, 114 S20         £1.00           VP424         10         AC175K NPN Germanum Transistors, 114 S20         £1.00           VP431         2         RADOR SET Salvastors, TO 39 like 2/X205A         £1.00           VP441         2         Assorded 1C. S Innex, etc. all coded         £2.00           VP210         12         Assorded 1C. S Innex, etc. all coded         £2.00           VP210         12         Assorded 1C. S</th> <th>Pak No.         MISC: Dry         Description         Price           Pick assorted Hardware, nuts, bolis, etc         F130           VP177         Pack assorted Hardware, nuts, bolis, etc         F130           VP178         S Assorted Battery Holders and Cips, PP39, AAD, etc.         F130           VP2204         E Tag Boards, Battery Holders and Cips, PP39, AAD, etc.         F130           VP225         20         DIN Phags, plastic 2.4 pn. 1807/2407/3807 mixed         E259           VP226         1011 Chassas Sts, metal 2.8 pn. 1807/2407/3807 mixed         E259           VP227         16         El Computer Cassetter Tages Laddelss.         E200           VP228         1         Elsower Piezo Elscritte, Sien, Emits semplercing wardeling sound Idea and m. Whet pacts bic body with mounting bracks. 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Gry Description         300 Assorted Resistors, mixed values and types         300 Catoon Resistors, Al-/2wait, preformed, mixed.         300 Catoon Resistors, mixed values and types.         500 Wirewound Resistors, assorted values         500 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 10 Johns, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Close tolerance Resistors, 50 X/N, 14 820K, mixed         100 Ecrain Closeriols, min mixed values         101 Close tolerances, metal tol N, mixed values         102 Close Closeriols, mixed values         103 Electrohytics, all onts         104 Electrohytics, all onts         105 Shert Mice Claps, mixed values         107260 Min. 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S Innex, etc. all coded         £2.00           VP210         12         Assorded 1C. S Innex, etc. all coded         £2.00           VP210         12         Assorded 1C. S	Pak No.         MISC: Dry         Description         Price           Pick assorted Hardware, nuts, bolis, etc         F130           VP177         Pack assorted Hardware, nuts, bolis, etc         F130           VP178         S Assorted Battery Holders and Cips, PP39, AAD, etc.         F130           VP2204         E Tag Boards, Battery Holders and Cips, PP39, AAD, etc.         F130           VP225         20         DIN Phags, plastic 2.4 pn. 1807/2407/3807 mixed         E259           VP226         1011 Chassas Sts, metal 2.8 pn. 1807/2407/3807 mixed         E259           VP227         16         El Computer Cassetter Tages Laddelss.         E200           VP228         1         Elsower Piezo Elscritte, Sien, Emits semplercing wardeling sound Idea and m. Whet pacts bic body with mounting bracks. 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P/283     5     Diål Britlik, Halt (higt ingelt     Filo     P/291       TAUXISISTORE     100     Mittes PVC single strand Wire, mæed colours     E1.00     VP201     1     2m. Video Lead Coaxil Skt to Coaxil S	P285  Ak  P29 P29 P30 P31 P32 P33 P32 P33 P35 P49 P141 P142 P144 P184 P187 P194 P195 P194 P197 P195 P197 P195 P197 P197 P197 P197 P197 P197 P197 P197	Dual Option-Isolator ILD74      DODES & SCRS.     Dy Description     Sasoned volt Zeners. 50mv-2w     DAssoned volt Zeners. 10w. coded     Das SCRS 1056; 59-40v. coded     Das SCRS 1000; Das SCRS 1000; protoned patch     do Power Rectifiens; site Codes, 1000; PV 5     SU187 12XV SI: Dodes; in camera, 25MA     44 40V; Tracs, plastic     D SCRS 800MA, 2009; 24/5064; plastic, 1092     Da3 topic contact germanum Diodes, uncoded     D 0A09; type germanium Diodes, uncoded     D 0A09; type germanium Diodes, uncoded     D 0A09; pe germanium Diodes, uncoded     SCRS 10046; SD, 2023, 112(1060     SCRS 300MA, 2000; assorted     SCRS 300MA, 2000; assorted     SCRS 300MA, 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 100040; plastic, SLAng ta 400v     SCRS 300MA, 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA, 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA, 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA, 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA 2000; plastic, SLAng ta 400v     Triacs 2, stance     SCRS 300MA 2000; plastic, SLAng ta 40v     Triacs 2, stance     SCRS 300MA 2000; plastic, SLAng ta 40v     Triacs 2, stance     SCRS 300MA 2000; plastic, SLAng ta 40v     Triacs 2, 400v     Triacs 2, 400v	Pncs £100	Pak         LC.S.         Price           VP432         4 7432 Dovide by 12 Countier         F100           VP432         7432 Dovide by 12 Countier         F100           VP432         7433 Dovide by 12 Countier         F100           VP434         7434 Dovide Bary Countier         F100           VP435         7433 Dovide by 12 Countier         F100           VP434         7434 Dovide Bary Countier         F100           VP434         7434 Dovide Boernal Decoder/Orver         F100           VP4111         7411 BCD Decimal Decoder/Orver         F100           VP4151         7415 Dovid Bary Electrors/Multiplexers         F100           VP4151         7415 Dovid Bary Electrors/Multiplexers         F100           VP4151         7415 Dovid Share Class         F100           VP4151         7415 Dovid Share Class         F100           VP4152         7415 Dovid Share Class         F100           VP4154         7415 Sprichonous Decade Rate Multipliexers         F100           VP4154         7415 Sprichonous DipDown Dual Clock Counters         F100           VP4159         7429 Duad Shar Laches         F100           VP4159         7429 Duad Shar Laches         F100           VP4159         7429 Duad Shar Lache	Pak         TOOLS.           No         Gtty         Description         Price           VP10         18 Pc Hex Wrench Keys, AF sizes in wallet         E15           VP11         16 Pc Hex Kye Wrench Keys, AF sizes in wallet         E15           VP11         16 Pc Hex Kye Wrench Keys, AF sizes in wallet         E15           VP11         16 Pc Hex Kye Wrench Set, SAE and Metric         E20           VP12         Cirmping Pliers, Wrei Shippers & Bolt Cutters         E10           VP11         16 Action Stripping Pliers         Adjustable jaws         E10           VP141         16 Action Stripping Pliers         Adjustable jaws         E10           VP145         15 Cing Lockwerd Pliers         E10         E25           VP181         15 Tong Nose Grie Locking Pliers         E10         E24           VP181         15 Tong Nose Grie Locking Pliers         E10         E25           VP181         15 Tong Nose Grie Locking Pliers         E10         E25           VP181         15 Tong Nose Grie Locking Pliers         E10         E25           VP181         15 Tong Nose Grie Locking Pliers         E10         E25           VP182         15 Crewdriver Gomm fong Grim Rin Biblade         E10         E10           VP421
PIG3         2         NYNYPY pairs, Sil Poweri rainssistos, Nev Sal Assil         E100         VP115         1 High Pass Tiller Supprission, Loi V         EL.00         VP316         1 Sm Telephone Ext Lead. Plug to Socket           PIG4         2         NEX285 Sil Poweri rainssistos, Nev Sal Xebal         E100         VP316         1 Sm Telephone Ext Lead. Plug to Socket           PIG5         6         BF133 NPN Sil Transistors, 100V Sal He50-200 T039.         E100         VP122         Precision Morse Key, fully adjustable         E135         VP317         1 tim Telephone Ext Lead. Plug to Socket           PI65         5         BF133 NPN Sil Transistors, 100V Sal He50-200 T039.         E1000         VP124         1 Precision Morse Key, fully adjustable         E135         VP317         1 tim Telephone Ext Lead. Plug to Socket           PI65         5         BF133 NPN Sil Transistors, 100V Sal He50-200 T039.         E1000         VP144         100K Lin multi tum Pots, ideal area inc. cop. tuming         E1400         VP318         3 m Line Jack Cord. BT 4 way Plug to 4 Socket           PI67         1         BU1Y950 NPN Transistors, 100X Sal, 100V, He15+5         E100         VP145         10 Assocheed Pots, inc. dual and switched types.         E1000         VP318         1 L0C Telephone Pug 4 way.	2283 239 247 248 250 251 255 251 255 255 255 255 255 255 255	<ol> <li>Diac BR100, insic ingger TRAANSISTORS</li> <li>Sii Transistors, NPN piasic, coded, with data</li> <li>Newer Transistors, NPN Piasic, Coded, with data</li> <li>NPN Si Switching Transistors, To-18 and T0-92, PNP Si Switching Transistors, To-18 and T0-92,</li> <li>NPN Si Switching Transistors, NPN Si X00mA Hie240+ 1032,</li> <li>BCI308 Sii Transistors, NPN Si X00mA Hie240+ 1032,</li> <li>BCI308 Sii Transistors, NPN Si X00mA Hie240+ 1032,</li> <li>BCI308 Sii Transistors, NPN Si X00mA Hie240+ 1032,</li> <li>HISSS Sii Transistors, NPN Si X00mA Hie100+ 1032,</li> <li>HISSS Sii Transistors, NPN with WomA Hie140+ 1032,</li> <li>HISSS Sii Transistors, NPN with WomA Hie140+ 1032,</li> <li>HISSS Sii Transistors, NPN with BH32 Hie140+ 1032,</li> <li>HISSS Sii Transistors, NPN with BH32 Hie160+ 1032,</li> <li>HISSS Sii Transistors, NPN with ABH32 Hie160+ 1032,</li> <li>HISSS Sii Transistors, NPN with ABH32 Hie160+ 1032,</li> <li>SLE5651 Si Prover Transistors, NPN with ABH32 Hie10,</li> <li>HISSN Prover Transistors, NPN with AH Hi20+ AH Hi20+</li> <li>HINPNP pins, Si Power Transistors, NPN with AH Hi20+</li> <li>HINPNP pins, Si Power Transistors, NPN with AH Hi20+</li> <li>HINPNP pins, Si Power Transistors, NPN with AH Hi20+</li> <li>HINPNP pins, Si Power Transistors, NPN with With AH Hi20+</li> <li>HINPNP pins, NPN with Transistors, NPN with With With With With With With With W</li></ol>	100 002 002 100 100 100 100 100	VP1         50         Metrics PVC single strand Wire, mede cloiurs         £1.00           VP18         30         Metrics PVC single strand Wire, made cloiurs         £1.00           VP19         40         Metrics PVC single KMulti strand Wire, made cloiurs         £1.00           VP22         20.05         Sq. Inches total Copper Clas Board         £1.00           VP21         10         40mm Track Slider Pots. 100k Lin         £1.00           VP21         10         40mm Track Slider Pots. 100k Lin         £1.00           VP42         10         Black Heatsanks, 1710 39 and TO220, dilled         £1.00           VP43         4         Power-fin Heatsinks, 1710 39 and TO220, dilled         £1.00           VP44         15         Sasoried Heatsanks, 1710 370 ANA         £0.95           VP56         100         Semicanductors from around the world, mixed         £4.00           VP81         Electronic Buzer, 39, 25MA         £0.95         £0.95           VP81         Electronic Buzer, 39, 25MA         £0.95         £0.95           VP81         Electronic Buzer, 39, 25MA         £0.95         £0.95           VP81         Telephone Pick-up Coli with 3 simn jack plug         £1.25         £1.00           VP81         Telephone Pick-up Coli with 3 simn ja	VP301         1 2m Video Laad Coaxial Skt to Coaxial Skt + 2 adaptors         10.1           VP302         1 3m 4 core cable mok, screent 5 pin DIN Pugs FLI JM VP304         11.5           VP303         1 TV Est. Lead Coax plug to Coax Plug. White         FLI           VP304         1 Sm 4 core cable nok, screent 5 pin DIN Pugstmend open end         FLI           VP305         1 Sm 4 core cable 5 pin DIN Pug-15mm Jack Plug. Pn 1 & 4 connect 1U         FLI           VP305         1 Sm cable 5 pin DIN Pug-15mm Jack Plug. Pn 1 & 4 connect 1U         FLI           VP305         1 Sm toed PL259 Plug to PL259 Plug         E connect 1U           VP306         1 2m Typewriter/Calculator Lead PL259 Plug to PL259 Plug         C1           VP307         1 2m Lead PL35 Plug to PL259 Plug         C1           VP308         1 2m Lead PL35 Plug to PL259 Plug         C1           VP309         1 2m Lead 2 CAS Plug to PL259 Plug         C1           VP301         1 2m Lead 2 CAS Plug to PL259 Plug         C1           VP301         1 2m Lead 2 CAS Plug to PL259 Plug         C1           VP301         1 2m Lead 2 CAS Plug to PL259 Plug         C1           VP301         1 2m Lead 2 CAS Plug to PL30 Plug         C1           VP311         1 2m Lead 2 CAS Plug to PL30 Plug         PL259 Plug           VP312

### POPULAR BAKERS DOZEN PACKS (Still available)

All packs are  $\pounds1$  each, if you order 12 then you are entitled to another free. Please state which one you want. Note the figure on the extreme left if the pack ref number and the next figure is the quantity of items in the pack, finally a short description.

5 13A junction boxes for adding extra points to you ring main circuit 13A spurs provide a fused outlet to a ring main where device such as a clock must not be 5

BD1

RD2

- switched off 4 in flex switches with neon on/off lights, saves
- BD7 leaving things switched on BD9 2 1A mains transformers upright mounting with 6v
- fixed clamps BD11 1
- Need clamps 6½° speaker cabinet ideal for extensions, takes your speaker. Ref BD137 30 watt reed switches, it's surprising what you can make with these burglar alarms, secret switches, relay etc etc. BD13 12
- **BD22** 25 watt loud speaker two unti cross-overs 2
- BD29 BD30
- B.D.A.C. stereo unit is wonderful value nicad constant current chargers adapt to charge almost any nicad battery BD32 2
- humidity switches, as the air becomes damper the membrane stretches and operates a microswitch BD34 48 2 meter length of connecting wire all colour coded
- **BD42** 13A rocker switch three tag so on/off, or change over with centre off
- 24hr time switch, ex-Electricity Board, automatically adjust for lengthening and shortening day. Driginal cost £40 each BD45 1
- BD49 neon valves, with series resistors, these make 10 good night lights mini uniselector, one use is for an electric jigsaw
- **BD5**6 1 puzzle, we give circuit diagram for this. Dne pulse
- into motor, moves switch through one pole flat solenoids you could make your multi-read AC amps with this you could make your multi-tester 8D59 2
- suck or blow operated pressure switch, or it can be operated by any low pressure variation such as water level in water tanks BD67 1
- **BD91** 2 mains operated motors with gearbox. Final speed
- 2 watt rated 6 750MA power supply, nicely cased with input 8D103A 1
- and output leads. stripper boards each contains a 400v 2A bridge rectifier and 14 other diodes and rectifiers as well BD120 2
- as dozens of condensers etc. twin screened flex with white pvc cover very fine drills for p.c.b. boards etc. Normal cost BD122 10m BD128 10
- about 80p each plastic boxes approx, 3" cube with square hole through top so ideal for interrupted beam switch BD132 2
- BD134 10 motors for model aeroplanes, spin to start so needs no switch
- BD139 6 microphone inserts - magnetic 400 ohm also act as speakers
- reed relay kits you get 16 reed switches and 4 coil sets with notes on making c/o relays and other BD148 4 gadgets
- safety cover for 13A sockets prevent those 8D149 6 inquisitive little fingers getting nasty shocks neon indicators in panel mounting holders with
- BD180 6 lens
- BD193 5 amp 3 pin flush mounting sockets make a low 6 cost disco panel
- in flex simmerstat keeps your soldering iron etc. **BD196** 1
- mains solenoid very powerful has 1" pull or could push if modified BD199
- keyboard switches made for computers but have BD210 8
- many other applications transistors type 2N3055 probably the most useful BD210 power transistor
- BD211 electric clock mains operated put this in a box and
- you need never be late 12v alarms make a noise about as loud as a car BD221 5
- horn. Slightly solled but DK  $6^{\circ} \times 4^{\circ}$  speakers 4 ohm made from Radiomobile so very good quality BD242 2
- tacho generators, generates one volt per 100revs BD246
- BD252 panostat, controls output of boiling ring from mmer up boil
- BD259 leads with push on 1/4" tags - a must for hook ups 50 mains connections etc
- oblong push switches for bell or chimes, these BD263 2 can mains up to 5 amps so could be foot switch if fitted into pattress
- min 1 watt amp for record player. Will also change speed of record player motor Guitar mic clip on type suits most amps mild steel boxes approx.  $3^{\prime\prime} \times 3^{\prime\prime} \times 1^{\prime\prime}$  deep BD268 BD275
- ġ. BD283 standard electrical mixed silicon diodes BD293 50
- car plugs with lead, fits into lighter socket BD296 3
- BD305 BD305 1 tubular dynamic mic with optional table rest Most other packs still available and you can choose any as your free

### one

5A BATTERY CHARGER KIT - all parts including case only £5 add £1 ostage

### OVER 400 GIFTS YOU CAN CHOOSE FROM



11

**TELEVISION APRIL 1988** 

### THIS MONTH'S SNIP

THIS MONTH'S SNIP 3½ floppy Disk Drive, made by the Chinon Company of Japan. Beautinully made and probably the most compact device of its kind as it weighs only 600g and masures only 104mm wide. 162mm deep and has a height of only 32mm, other features are high precision head positioning – single push loading and eject – direct drive brushless motor – Shugart compatible interface – standard connections – interchangeable with most other 3½ and 5¼ drives. Brand new with conv of makers manual. Offerent this month at copy of makers manual. Offered this month at £28.50 post and VAT included.

 $\begin{array}{l} \textbf{CASE}-\textit{adaptable for 3'' or 3^{1}\!2'' FDD, has room for power supply components price only $$\mathbf{f4}$ includes circuit of PSU. Our Ref 4P8. \end{array}$ 

POWER SUPPLY FOR FDD – 5v and 12v voltage regulated outputs, complete kit of parts will fit into case 4P8 pice  $\Omega$  or with case  $\Omega$ 1.

### MULLARD UNILEX AMPLIFIERS

We are probably the only firm in the country with these now in stock. Although only four watts per channel, these give superb reproduction. We now offer the 4 Mullard modules – i.e. Mains power unit (EP9002) Pre amp module (EP9001) and two amplifier modules (EP9000) all for 65.00 plus 22 postage. For prices of modules bought separately see **TWO POUNDERS**.

### CAR STARTER/CHARGER KIT

Flat Battery! Don't worry you will start your car in a tew minutes with this unit  $\sim 250$  watt transformer 20 amp rectifiers, case and all parts with data case £17.50 post £2.

**MINI MONO AMP** on p.c.b. size  $4^{"} \times 2^{"}$  (app.) Fitted volume control and a hole for a tone control should you require it. The amplifier has

three transistors and we estimate three transistors and we estimate the output to be 3W rms. More technical data will be included with the amp. Brand new, perfect condition, Offered at the very low price of £1.15 each or £13 for 12.



LIGHT BOX

### This when completed measures approximately 15" $\times$ 14". The light source is the Philips fluorescent "W" tube. Above the light a sheet of fibreglass and through this should be sufficient light to enable you to follow the circuit an fibreglass PCBs. Price for the complete kit, that i that is the box, choke, starter, tube and switch and fibreglass is £5 plus £3 post, order ref 5P69.

### TANGENTIAL HEATERS

**TANGENTIAL HEATERS** We again have very good stocks of these quiet running instant heat units They require only a simple case, or could easily be fitted into the bottom of a kitchen unit or book case etc. At present we have stocks of 1.2kw, 2kw, 2.5kw, and 3kw. Prices are 55 each for the first 3, and 56.95 for the 3k. Add post £1.50 per heater if not collecting. CONTROL SWITCH enabling full heat, half heat or ccid blow, with connection diagram, 50p for 2kw, 75p for 3kw.

### FANS & BLOWERS

5 C5 + E1.25 post. 6° C6 + E1.50 post. 4° x 4° Muffin equipment cooling fan 3105 C2.00 4° x 4° Muffin equipment cooling fan 320:2400 C5.00 9° Extractor or biower 115V supplied with 230 to 115V adaptor £9.50 + £2.00 post

All above are ex-computers but guaranteed 12 months. 10" x 3" Tangentia Blower. New. Very quiet – supplied with 230 to 115V adaptor on use two in series to give long blow £2.00 + £1.50 post or £4.00 + £2.00 post for two.

### 9" MONITOR

Ideal to work with computer or video camera uses Philips black and white tube ref M24/306W. Which tube is implosion black and write tube ref M24,400W. Writen tube is implicision and X-Ray radiation protected. VDU is brand new and has a time base and EHT circuitry. Requires only a 15V dc supply to set it going. It's made up in a lacquered metal framework but has ôpen sides so should be cased. The VDU comes complete with circuit diagram and has been line tested and has our six months guarantee. Offered at lot less than some firms are asking for the tube alone, only £16 plus £5 met. nost

### VENNER TIME SWITCH



VENNER 1 IME SWITCH Mains operated with 20 amp switch, one on and one off per 24 hrs: repeats daily automatically correcting for the lengthening or shortening day. An expensive time switch but you can have it for only £2,95 without case, metal case – £2,95, adaptor kit to convert this into a normal 24hr, time switch but with the added advantage of up to 12 ontoffs per 24hrs. This makes an ideal controller for the immersion heater. Purce of

controller for the immersion heater. Price of adaptor kit is £2.30.

### TELEPHONE LEAD

3 mits long terminating one end with new BT, flat plug and the other end with 4 correctly coloured coded wires to fit to phone or appliance Replaces the lead on old phone making it suitable for new BT socket. Price £1 ref BD552 or 3 for £2 ref 2P164.

- COMPACT FLOPPY DISC DRIVE EME-101 The EME-101 drives a 3" disc of the new standard which The EME-101 drives a 3 disc of the new standard which despite its small size provides a capacity of 500k per disc, which is equivalent to the 3<sup>1</sup>/<sub>2</sub>" and 5<sup>1</sup>/<sub>4</sub>" discs. We supply the Operators Manual and other information showing how to use this with popular computers: BBC, Spectrum, Amstrad etc. All at a special snip price of £27.50 including post and VAT. Data available separately £2, refundable if you purchase the drive.
- drive

POWERFUL IONISER Generates approx. 10 times more IONS than the ETI and similar circuits. Will refresh your home, office, shop, workroom etc. Makes you feel better and work harder complete mains operated kit, case included £11.50 + £3 P&P

### J & N BULL ELECTRICAL Dept. T.V., 250 PORTLAND ROAD, HOVE.

BRIGHTON, SUSSEX BN3 50T. MAIL DRDER TERMS: Cash, P.O. or cheque with order. Orders under 20 add £1 service charge. Monthly account orders accepted from schools and public companies. Access & B card orders accepted Brighton (0273) 734648 or 203500.

### **NEW ITEMS**

### Some of the many described in our current list which you will receive with your parcel. FIRST TIME OFFERS

### Items not yet advertised so yo pet first choic

13A PLUGS - Good British make complete with luse, parcel of 5 for £2, order Ref.

13A ADAPTERS - Takes 2 13A plugs, good British make, packet of 3 for £2, order Ref

SHAVER ADAPTERS - enables a 5 amp two pin plug to connect to 13A socket 2 for £1.

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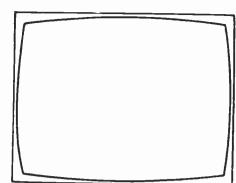
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21 piece precision tool set i sliding lid. Set consists of 3,5mm) 2 cross headed sc/u	n moulded plastic case with 6 flat bladed screwdrivers (/ drivers (No. 0 to No. 1), 3 he 5 nut drivers (3, 3.5, 4, 4.5 & 5	clear         741         0.1           cclear         CA8100M         1.2           0.9 to         CA3020         2.1           ccase         CA3065         1.6           ex key         HA1366WR         1.5           base         LA4422         3.2           5mm),         LC7131         4.9           LM324N         0.4	AC128K 0.38 AC141 0.58 AC141K 0.38 AC141K 0.38 AC142 0.40 AC142K 0.38 AC152 0.48 AC152 0.48 AC153K 0.46 AC153K 0.32 AC187 0.40	BC172/B/C 0.12 BC172/B/C 0.12 BC172/B/C 0.24 BC182/A/B/C 0.10 BC182/L 0.10 IALBLC 0.12 BC183/A/B/C 0.10 BC183L 0.10 LALBLC 0.12	BD202 BD222 BD225 BD232 BD234 BD235 BD236 BD237	0.52 BFY90S 0.57 BR100 0.80 BR101 0.40 BR103 0.52 BR303 0.52 BR303 0.30 BRY39 0.30 BRY56 0.36 BSX20 0.36 BSX20
ECIAL OFFER IASTICALLY REDUCED ICE – 13A TEST PLUG	T.V. AERIAL ACCESSORIES Co-Ax Cable 75 Ohm 100 Metre Reel Co-Ax Metal Plug So-Ax Line Socket	1+ 10+ M51513L 2.3 20p. 18p M51513L 2.3 25p. 22p MC1307P 1.9	AC188 0.24 AC188 0.24 AC188K 0.38 ACY22 1.50 AD142 0.88 AD149 0.95 AD161/162 1.20 AD151/162 0.88	BC184         0.08           A B CL LC LB         0.10           BC212/A/B/C         0.10           BC212L         0.10           LA LB         0.10           BC213/A/B/C         0.10           BC213/A/B/C         0.10           BC213/A/B/C         0.10	BD438 BD439 BD441 BD507 B0520 B0587 BD707	0.76 BSY95A 0.64 BT100A/02 0.85 BT101/300 1.05 BT101/300 1.05 BT101/300 1.20 BT102/300 0.88 BT106 0.88 BT106
13A sockets and telling you what, if ing is the fault y plug the test plug into the socket PRICE 99p EACH bserve the amber lights. 10 OFF 90p EACH BT APPROVED EQUIPMENT y Socket (Euch) 25 90 Winin Tool 500	2o-Ax In-Line Splitter IV/video/Computer Combiner IV/ndoor Amplifier mproves signal 3 times Second Set Amplifier Berond Set Amplifier Bitnetference Suppressor	80p         ML237B         23           £3.09         NE555         0.2           £13.66         SAS560S         1.8           £12.72         SAS580         2.8           SAS590         1.8           £12.72         SAS590         2.8	0         AF116         2.10           0         AF121         0.66           0         AF124         0.70           0         AF125         0.50           0         AF126         0.50           0         AF127         0.50	LA LB LC 0.10 BC237 0.12 BC238 0.12 BC251/A/B 0.14 BC262 0.26 A B 0.29 BC301 0.36	BDX32 BF115 BF117 BF119 BF125 BF127	1.00 BT119 1.75 BT138/600 0.32 BT151/560R 0.82 BT151/560R 0.82 BU104 0.44 BU105 0.44 BU105 0.14 BU108
ar Socket (Surface) £2,75 Plug — 431A 259 day Socket (Flush) £190 Slimitel Phone £7,25 day Socket (Surface) £185 Viscount Phone £26,04 Jale (per metre) 159 Conversion Kir & Jack Cord with Plug £1,25 Wiring Diag. £5,90 sin Lead 5 Mirr £1390	Vinimises CB interference on TV VVFM Objeker Separates UHF TV signals from FM ra hals MAINS SWITCHES	SN76227N         1.1           adio sig         SN76533N         1.7           £3.78         TA7203P         2.5           TA7204P         2.5           TA7205AP         1.8           TAA550         0.5	0 AF178 1.50 5 AF239 0.65 0 AF279S 1.40 0 AS280 5.20 0 AS217 2.00 0 AV110 2.90 0 AY102 4.32	BC302         0.38           BC303         0.36           BC307A         0.15           BC317B         0.15           BC323         0.90           BC327         0.10           BC328         0.10	BF157 BF160 BF167 BF177 BF178 BF180	0.46 BU126 0.23 BU133 0.32 BU204 0.42 BU205 0.36 BU205 0.27 BU326S
PANEL MELENS prehensive range of good quality, cost effective, moving coil panel meters. It required is 38mm All plastic, black and white finish with four nuts and Features: All the meters have a microred scale to reading can be taken from rige illiminated face, by two buff-in lamps. These require a 6V supply. 4(X) PANELWIA (54) 0-1A 38 PANELWIG (54)	Single 1 Way {1 Gang 1 Way} Single 2 Way {1 Gang 2 Way} Twin {2 Gang 2 Way} Triple (3 Gang 2 Way) MAINS SOCKETS	1.20 TAA621AX1 3.5 2.00 TA120B 1.3 5.4/50 1.3 TBA520 1.5 TBA530 1.2 TBA540 1.6	0 BA115 0.12 0 BA121 0.40 0 BA148 0.16 0 BA155 0.12 0 BA157 0.20 4 BB158 0.32	BC337         0.08           BC338         0.10           BC350A         0.24           BC351         0.16           BC516         0.35           BC547         0.08           BC440         0.36	BF 183 BF 184 BF 185 BF 194A BF 195	0.32 BU407 0.32 BUX80 0.47 BUY20 0.28 BUY69A 0.15 BUY69B 0.12 BY100 0.20 BY103
A 3K75 PANEL/MC £430 0.2A 3R PANEL/M7 £430 A 50R PANEL/M8 £430 0.25V DC 195R PANEL/M8 £430 100µA 1KI PANEL/M8 £430 0.25V DC 195R PANEL/M8 £430 100µA 1KI PANEL/M5 £430 VU Meter 195R PANEL/M10 £430 ERY CHARGER (Universal Nickel Cadmium) Tactore nickel cadmium battery charger ideal (in charging the recharges)	13A Single Unswitched 13A Single Switched 13A Twin Unswitched 13A Twin Switched EXTENSION MULTI SOCKETS ALL 13A, FUSED WITH NEON INDICA'	150 TBA560C 1.5 2.18 TBA810S 1.2 2.50 TBA950/2A 3.0 3.98 TCA270SQ 4.0 TDA1006A 24 TDA1035S 4.5 TOA 1170S 1.5	0 BB105G 0.30 0 BB110B 0.42 5 BC108 0.10 2 A,B or C 0.14 5 BC109 0.10 0 A,B or C 0.14 9 BC115 0.15	BC548         0.08           A B or C         0.10           BC549         0.08           A or B         0.10           BC550         0.10           BC557A         0.10	BF240 BF241 BF257 BF258 BF259 BF262 BF263	0.15 BY 102 0.18 BY 122 0.22 BY 126 0.26 BY 127 0.30 BY 133 0.34 BY 135 0.38 BY 164
es detailed below. The charger will charge at the sizes used of AAA, AA, C, D 3 and up to four AAA, AA, C, C and D types and one PPS can be charged at the time. The charger has a hinged plastic dust cover for easy weiving. The five positions have LED. 'charge' indicators. The unit also has a switch allowing es to be checked for current state of charge. 2007 AC 100 × 50mm es up e e	2-WAY         22.75 sech 5           3-WAY         63.80 sech 6           4-WAY         63.99 sech 6           4-WAY         63.99 sech 6           PLUGS 13A 3-pin fused         60.46 sech 65.2           VALVES         PC92	E2:50ea/5         TDA1352A         1.6           E3:50ea/5         TDA2030         1.8           E3:75ea/5         TDA2530         2.4           Z5ea/10+         TDA2532         2.8           0.42ea/10         TDA2560         3.4           UPC575C2         1.4         3.06	0         8C117         0.28           0         BC118         0.20           0         BC119         0.43           0         BC125         0.14           0         BC141         0.36           5         BC141         0.36           5         BC142         0.26	BC558A         0.10           BCY70         0.36           BCZ10         3.21           BCZ11         2.60           BD124P         1.20           BD129         0.90           BD130Y         0.68	BF270 BF271 BF273 BF274 BF294 BF336 BF337	0.30 BY179 0.28 BY182 0.22 BY184 0.34 BY187 0.46 BY189 0.40 BY189 0.38 BY198
CODE EAASO E4.25 E3.75	Enquiries are wel- corned for any other valve not listed here. Type Price (£) PC580 PCC89 PCC89 PCC89 PCC89 PCC89 PCC89	0.85 UPC1182H 2.7 UPC1208C 1.7 UPC1208C 1.7 UPC1356C2 3.0 0.80 0.90 1.00 TEST PRODS	5         BC143         0.36           55         BC147B         0.16           0         BC148         0.10           BC148         0.12           BC149         0.12           BC149C         0.14           BC159         0.14	BD131         0.46           BD132         0.50           BD135         0.26           BD136         0.26           BD137         0.28           BD138         0.30           BD139         0.30	BF338 BF355 BF371 BF450 BF457 BFR51 BFR61	0.28 BY199 0.42 BY206 0.27 BY207 0.30 BY210/400 0.36 BY210/800 0.36 BY210/800 0.36 BY227 0.32 BY229
E1.25         E1.20         eu/10         FOR DUICKLY AND SAFELY           .90         .85         ea/10         TESTING EQUIPMENT ON           .101         1.90 ea/10         MAINS VOLTAGE, SIMPLY           .250         2.20 ea/10         CONNECT WIRE TO CUP	AZ31 4.55 PCF84 AZ41 2.05 PCF84 DAF96 1.05 PCF86 DF96 0.80 PCF86 DK96 2.70 PCF200 DM71 3.00 PCF201 DY86/87 0.70 PCF200	1.00         (FUSED)           0.80         Manufactured by Bulgr           1.30         High strength plasting           0.60         inc. 1A 1½*** lose. Length           2.00         of prods — red & bla           2.00         - 144mm.         99p Pi	B/C 0.16 b BC160 0.38 c BC161 0.30 b BC168B 0.25 ck BC170/A/B'C 0.12 iii	BD140         0.29           BD142         1.60           BD145         1.82           BD150B         0.50           BD160         1.58	BFR90 BFT41 BFT43 BFY50 BFY51	0.68 BY238 0.68 BYX10 0.32 BYX36/150 0.32 BYX36/150 0.32 BYX48/300 BYX48/300 BYX55/600
RVX PORTASOL GAS SOLDERING IRON	DV802         1.00         PCF801           DV802         1.00         PCF801           CV850         2.55         PCF802           CV4015         2.85         PCF805           E180F         6.55         PCF806           EABC80         1.05         PCF808           EAF42         1.55         PC1808	1.10 1.10 2.05 1.25 1.65 0ESOLDERING PUMP	BOOKS DATA VOLUME 1 – T A-BUY DATA VOLUME 2 – a DATA VOLUME 3 – 2 DATA VOLUME 4 – 2	N-2N6735 £10.20	VOLTAGE REGULATOR 78L05 78L08 78L12 78L15	0.28 MCR106/5 0.28 ME0413 0.28 ME6002
Lifican provide the set of the se	EB91         135         PCL83           EBC41         350         PCL84           EBF80         0.80         PCL86           ECC81         1.05         PCL86           ECC82         0.95         PCL805           ECC83         1.20         PD500           ECC84         0.85         PFL200           ECC85         1.00         PL33           ECC88         1.45         P.136	2,55 1,05 2,55 1,10 2,95 1,10 2,95 1,90 1,95 1,90 5,94R N0ZZLE FOR ABOVE - 60p 1,80	DIODES VOLUME 1 DIODES VOLUME 2 Both Volumes	£10.75 £10.65 £20.60 £8.95 £19.50 £6.95 £6.99 £13.00 £10.45	7805 7808 7812 7816 7818 7818 7818 7818 7905 7905 7915 7915 7918	0.26         MEU21           0.36         MJ400           0.36         MJ2955           0.36         MJ2945           0.36         MJ2945           0.36         MJ2940           0.36         MJ2945           0.36         MJ2540           0.36         MJE520           0.38         MJE3055           0.38         MPSA05           0.38         MPSA05
re included.	ECC189         0.90         PL82           ECF80         1.25         PL95           ECF82         0.90         PL504           ECF83         1.95         PL508           ECH35         3.80         PL519/509           ECH81         1.45         PL802	0.80 2.05 1.55 2.75 5.30 5.55 HELPING HANOS	TRANSISTORS A to 2 TRANSISTORS 2N-36 Both volumes	£5.40 £5.50 £10.00	7924 LM305H	0.38 MPSA12 0.38 MPSL01 1.48 MPSL01 0.95 MPSU05 0.65 MPSU06 MR502 MR854 0A91
Non-corrosive Multi-core Solder.           mr Reel         E4.99 each         10 Reels         £3.75 each           LOERING SECTION         CS 18W, as above         10.90           Ing Statoo complete with 30W         Antex 15W iron         5.40	ECH84         1.55         PY81/800           ECL85         0.80         PY82           ECL86         1.80         PY88           EF86         1.85         PY500A           EF86         1.85         PY801           EF86         1.85         PY801           EF91         2.05         UABC80	1.15 1.80 0.85 2.25 0.75 0.90	SONY SLC5/7UB SONY SLC6UB		ARP-0013 3	3.15 ORP12 3.50 R2008B 5.85 R2010B 4.70 R2540 TIP30A TIP31C
W fron Istate which)         72.50         Aniek 18W fron         5.60           M fron Istate which         7.25         Aniek 28W fron         5.80           a & plug attached         1.23         Aniek 28W fron         5.80           a & plug attached         1.23         Aniek 28W fron         5.30           row kit         8.30         Aniek 28W fron         5.20           W fron ku/complete wrth steel         Soldersucker         4.50           gattached         11.00         Spate nozise for Soldersucker         0.65           RVICE AIDS         Aero Duster         1.55         1.55	EF 183         O 0.4 % 2           26 F183         0.5 UBC41           EF184         1.05 UBC41           EH90         1.06 UCC85           EL34         3.45 UCF80           EL35         2.30 UCF42           EL84         2.40 UCF80           EL85         5.00 UCL82           EL84         5.00 UCL82           EL84         5.00 UCL82	1.30         100, 125, 160, 200, 2           4.35         315, 400, 500, 500, 800, 125, 15, 16, 2, 25, 315, 450           1.25, 15, 16, 2, 25, 315, 450         125, 15, 160, 200, 2           1.25         125, 160, 200, 2           1.25         15, 400, 500, 600, 800, 125, 160, 200, 2           2.05         35, 400, 500, 630, 800, 125, 160, 200, 2           1.85         6, 10           3.30         30	A. AKAI 4. AKAI 10 FERGUSON 60, HITACHI 50, JVC 1A, NAT/PANASONIC 5. SANYO	ALL 3V00/22/16/23/24/31/2 VT5000E ALL VE and NV SLC 9UB/6/7/9/20/30/4 ALL	9/30 39 38 39 46.30 and 50 40/8000 49	TIP32 350 TIP33A 350 TIP34A 3.00 TIP41C 3.50 TIP42 3.50 TIP47 0.60 TIP121 9.95 TIP2955 8.75 TIP3055
Klene Degressing         Super 40         1.94           ent         1.78         Rapid Fire Extinguisher         3.45           ch Cleaner Lubri         1.18         Silicone Grease Tube         1.82           preze-it         1.46         Silicone Grease Spray         1.48           n Cleanser         1.26         Silicone Grease Spray         1.48           n Cleanser         1.46         Solda-Mop         1.40           Gylape Head Cleaner         1.40         Solda-Mop         1.40           Klene         1.16         Light guage 0.08mm         0.80           Static Spray ellist         1.28         Standard gauge1.2mm         0.79           Polish         1.28         Standard gauge1.2mm         0.79	L1509         7.90         UF89           EL519         8.00         UL84           EM80         0.90         UL84           EM84         1.80         UY85           EM87         2.60         2021           EY51         0.95         6AT6           EY88         0.80         6C4           EY89         0.80         6C4           EY500A         2.55         6GH8A	255 1 DOMESTIC 120 265 101 102 265 1134, FUSED W 100 105 105 105 11/40 106 106 106 107 100 100 100 100 100 100 100	/10 SONY KV1810UB # SONY KV2212/KV2	CTV140/R/CTV 2022 /k.1/KV1400UB	ALL ALL	TIS88 TIS90 Y723 2.75 Y969 IN4001 IN4001 IN4003 IN4004 0.50 IN4006/7 IN4148
SISTORS         CARBON FILM 5%           // 1R0 to 10M (E12 Range)         2p each. 15p/10. 75p/100           / 2R0 to 10M (E12 Range)         2p each. 15p/10. 75p/100           / 2R0 to 10M (E12 Range)         5p each. 15p/10. 75p/100           / 1R0 to 2M2 (E12 Range)         5p each. 40p/10. 3.00/100           / 1R0 to 2M2 (E12 Range)         8p each. 60p/10. 5.00/100           / SISTOR KITS         each value individually packed	EZ41         2.85         6J5GT           EZ81         0.85         6K7G           GY501         1.45         6K8G           KT66(G.E.C.)         18.00         6K06           KT77         11.50         6K4           KT88(G.E.C.)         19.00         30FL2           PC88         1.45         30FL2	2.55 2.05 2.80 500mA 1A 125A 2A 1 5.55 1.75 1.65 PCB ETCH RESIST	VIDEO BELT KIT NAT/PANASONIC JVC HR 7700 JVC HR 3360/HR36 SONY SLC7 JVC HR3300/HR38		9801 <b>2.0</b> 9802 .4 9804 <b>4.1</b> 9805 <b>2.4</b> 9805 <b>4.6</b>	IN5400 IN5402 IN5405 5 IN5406 0 IN5408 5 2N2122A 0 2N2222
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### **COVER PHOTO**

This month's cover photo shows an internal view of the Mitsubishi HS306B VCR – see article on page 422.

### **CAPACITANCE BRIDGE**

Three points relating to last month's article: (1) The terminal board is a Tandy 274-621. (2) VR4, which is used only when checking the larger electrolytics, should be of the type that has zero resistance when fully anticlockwise. A small wire-wound is best. (3) The magic eye target anode (Fig. 5) should have been shown connected direct to the 150V line.

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### Broadcasting in Turmoil

The world of TV broadcasting will never be the same again. In the past we've been used to the comfy BBC/IBA duopoly. Technical devolpments, in particular satellite TV broadcasting, are about to introduce an increasing element of competition. But the political dimension could be even more significant: the government has made it plain that it intends to shake up the world of broadcasting to provide greater opportunities and increased consumer choice.

TELEMISION

Mrs. Thatcher has said there are two types of people in this world, those who see difficulties and become weighed down by them and those who see new opportunities. Forgive us if, for the moment, we join the former camp. In the not too distant future there will certainly be plenty of choice, in terms of the number of channels: the BBC and ITV/Ch. 4 channels, about twelve channels aimed at UK viewers via the Astra satellite, the three BSB DBS channels and, almost certainly, a fifth terrestrial channel – not to mention the cable TV offerings. Plenty of opportunity then for the fledgling programme maker and broadcaster. But to support this lot a considerable income will be required. Where is it to come from? The number of UK viewers will remain substantially the same, which means that the audience will be spread more thinly. You can, of course, try to get people to pay more. But it's uncertain how much subscription TV there will be and, if we are to judge by the experience of the cable companies to date, it seems that people are hardly falling over each other to pay more for their TV viewing. No: it's pretty clear that advertising revenue will be called upon to provide the main source of income to support these new channels. The advertising revenue of the existing ITV companies has certainly been buoyant over the past few years. But then again there's a finite limit to the amount of potential advertising revenue available. The TV medium is such that it's best suited to mass market products - cars, detergents, videos, baked beans and such like. For anything more specialist it's not worth spending your money on TV advertising. So the prospect is of a finite viewing audience and a finite revenue being spread over a doubling or trebling of the number of TV channels. Perhaps we could tackle the problem from another angle, by reducing the cost of broadcasting. This is certainly something that the government sees as part of the solution. There's little doubt that the incentive to maintain a tight budget in the world of ITV has often been lacking. But there's obviously a limit to the amount that can be saved by cutting a few pounds here and there.

Somehow, it doesn't seem to add up. This could mean that some of those involved are going to burn their fingers. If you think that this is perhaps alarmist, there's a case in point to be seen across the channel. The fifth French network, La Cinq, was being hotly fought over only a year or so back. It's now in serious financial trouble, with losses in the current year already some £80 million. Well of course Canal Plus made a loss to start with – so did ITV for that matter. But it could just be that La Cinq has come at the point where the demand for more channels is no longer there.

This all begs the question of what sort of channels. If they are all much of a muchness the system is bound to find itself in financial difficulties. To introduce more specialist channels so that viewing choice is genuinely increased and more specialised advertising opportunities are created, as was the intention with cable TV, could provide a solution, but here again there are constraints. Doubtless a porno channel could be hugely profitable. But would it be allowed?!

The government would perhaps argue that greater opportunity inevitably involves an element of risk, and that risk taking is what the new world of opportunity is all about. True enough, but isn't broadcasting perhaps just a bit different from most other types of commercial activity? For one thing it's a major element of our popular culture. For another it takes a long time and a lot of investment to build up the programming for a channel and establish standards that are acceptable to viewers. This isn't something you can do overnight in a spare studio under a railway arch somewhere.

Perhaps we are being too alarmist, looking too much at the difficulties. But let's just run through one or two aspects of the scene that's emerging. What are the prospects for cable, of which so much was once expected? Though the number of UK subscribers has now passed 250,000 (of whom only 40,000 are connected to a modern multi-channel system), this hardly seems an adequate basis to sustain a viable industry. On top of this, the cable channels are about to become available via the Astra satellite. Do you buy a dish and decoder or link up with the cable (if it's there)? The provision of dishes is going to be a lot easier than laying cable. There are certainly problems for the cable operators. What about the prospects for DBS? BSB would be justified in feeling let down if it found itself with an expensive flop on its hands. Competition from Astra and from a fifth terrestrial channel was not part of the prospectus it was originally offered. It's not likely to have an easy time of it, at least initially.

to have an easy time of it, at least initially. There are certainly greater opportunities in TV broadcasting than ever before. And greater risks for all. This includes the sixteen ITV companies who, the government has decided, will have to bid for renewal of their franchises when the time comes in 1992. Whether making TV a more adventurous business will lead to better television is something else again. It seems that too little thought has been given to this aspect of the matter.

## TV Fault Finding Reports from Alan Shaw, Colin Boggis, Hugh MacMullen, Roger Burchett, Nick Beer and Mick Dutton

### Hinari MT2

It's difficult to purchase a large-screen monochrome TV receiver nowadays. Ferguson no longer make them and Philips import only small quantities. Yet for various reasons many older people still won't take out a colour licence. One company, Hinari, has imported a 24in. receiver, Model MT2, from Yugoslavia. The cabinet is rather bulky, in fact larger than the average colour set, but the construction is very robust. A large, vertically mounted PCB drops down in a similar manner to older ITT and Indesit designs.

For a change the circuit shouldn't present any headaches. Everything is conventional, using standard i.c.s such as the TDA1170 for the field timebase and a TBA120S/TBA800 combination in the sound chanel. The power supply has a series regulator and a large mains isolating transformer, a nice change from switch-mode power supplies.

The set has been available for about two years now. During this time very few faults have shown up. Those that have are as follows. (1) The e.h.t. stick rectifier, which is encased in the line output transformer, occasionally goes short-circuit. (2) The common earth tag on the push-button channel selector tends to go open-circuit, with the result that the tuning voltage can't be varied. Fortunately there's another tag at the other end to which to transfer the wire. (3) Line tearing for several minutes when the set is first switched on is not the line output transformer breaking down, as one might suspect, but a faulty line driver transistor. This is T502, type 2N1893. Fitting a BF355 cures the problem. **A.S.** 

### Toshiba C2020

Patterning with this set was not caused by an unstable tuner: the h.t. reservoir capacitor C807 ( $120\mu$ F) was responsible. A.S.

### ITT 3493 Stereo CTV

The remote control system was inoperative, there was no sound and no colour. The SAA1251 remote control decoder chip was faulty. A.S.

### Sanyo CTP6144

If the power supply is pulsing, check whether the l.t. transformer T391 (part no. PT0144) has a high-resistance or open-circuit winding. **A.S.** 

### Ferguson TX10

The mains on/off switch had been replaced and now the channel selection was behaving most unusually – buttons 1, 2 or 3 selected channel 1 only, button 4 was o.k., buttons 5, 6 or 7 selected channel 5 and button 8 (VCR position) was also o.k.

Whilst examining board PC1548 we noticed that when the mains switch had broken it had fallen against the panel and flashed across to the ML923 i.c. This chip was replaced, but the fault persisted. We eventually thought really hard about the symptoms. It was then soon obvious that two of the input lines from the touch selector

### Ferguson 3787

When servicing one of these portables we had difficulty setting up the e.h.t. control RZ13 for the correct level of 55V across CA18 – the set would trip out before the correct setting was reached. The cause of the trouble was eventually traced to transistors TZ07/8 on the control module. At some time they had been incorrectly replaced using BC548A devices instead of the higher gain B version. C.B.

### Philips KT3 Chassis, Edition II

There was no chrominance after about an hour. We had to resort to freezer to find the cause. It turned out that C56  $(0.1\mu F)$  which is connected between pin 23 of the TDA3560 colour decoder chip and chassis went completely open-circuit when warm.

We've had several cases of intermittent chrominance with these sets due to the internal leads in the delay line touching one another. In one set the cause was dust inside the delay line case. M.MacM.

### NordMende 3543A

There were pairs of lines from top to bottom in three areas of the picture. The cause was eventually traced to odd functioning within the TDA4610 EW correction circuit. The voltages were all o.k. but changing the chip cured the fault. H.MacM.

### **Philips CTX-S Chassis**

Every now and then this set would either not start or would go off intermittently. We eventually found that the slider of the set-h.t. potentiometer R3325 was dirty.

H.MacM.

### Decca 135 Chassis

This set drifted off tune after about an hour and was o.k. again when cold. R68  $(33k\Omega)$  was going very high in value when hot: the tuning voltage then dropped to about 10V maximum. H.MacM.

### Philips 2A Chassis

What looked like a simple case of noise but no tuner oscillator operation was eventually traced to a hairline crack in the print between pin 4 of the tuner and pin 7 of socket M1. As a result, the tuner was deprived of its tuning voltage. H.MacM.

### Philips CP90 Chassis

This set was brought in with no picture and just traces of sound. The voltages in the SOPS power supply were all o.k. and after a great deal of time had been spent we found that there was a tiny hairline print crack between pin 7 of the line output transformer and the junction of R3495/C2594. As a result there was no 15V at the earthy end of the e.h.t. circuit, with obvious effects in the beam limiter circuit. H.MacM.

### **Philips K40 Chassis**

No remote control operation on one of these sets with teletext turned out to be sloppy manufacture — the red wire to socket M83 was plastic instead of wire pinched. This is the socket on the front panel, linking the control module and the operating panel. No field scan with this chassis is often caused by the connection to pin 18 of the line output transformer being either dry-jointed or opencircuit. H.MacM.

### **Philips G11 Chassis**

This one was a bit of a silly. There was no remote control operation. A well-known service organisation had soldered the third pair of contacts on the on/off switch. Oh dear! H.MacM.

### Ferguson 3787

I took this set on with some trepidation, not having looked at one before — it belonged to a business associate's sister. The complaint was that on loud music passages the set seemed to go off tune. For several weeks the owner had been using a monochrome portable for sound. No, it wasn't the tuning line: the LM341 12V regulator IL01 was faulty. **R.B.** 

### **Philips KT3 Chassis**

Tripler failures are getting to be common with this chassis. On this one the TDA3560 colour decoder chip had been damaged as well. **R.B.** 

### Sony KV1820/KV2000 Mk II

The line output transformer tuning capacitor C813  $(0.016\mu F, 1.5kV)$  seems to be a very common failing in these sets. It goes short-circuit, as a result of which the chopper transistor Q607 dies. R628 and R639 usually go open-circuit as well. **R.B.** 

### **Panasonic U4 Chassis**

These sets suffer from intermittent memory loss. We've received various modification kits in the past but none of them have really solved the problem, though I have found that resoldering the crystals associated with the MAB8440 and SAB3035 chips on the print side of the PCB has provided a cure – the legs are much smaller than the holes, and the joints become dry. More recently Panasonic have released a kit that modifies the appropriate M board to the U5 design. This seems to cure the problems, but unfortunately one of the first I received and fitted didn't work at all as the MAB8441 chip was faulty.

N.B.

### Decca 70/90 Series Chassis

No results with the 1A fuse F601 in the power supply open-circuit means that the BUW81A Darlington chopper transistor has gone short-circuit. Replace it with a BU426A. Then leave the 1A fuse out and check for a

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squarewave drive signal at the base of the transistor. I've had several cases where the squarewave has been missing – switching on would have blown the lot up again. The following items have been known to cause loss of drive – sometimes they've all failed: Tr604 (BSR59), Tr603 (BC157), D608 and D610 (1N4007), Tr601 (BD410), IC601 (TDA2581), Tr602 (BC147), C627 ( $10\mu$ F), D604 (ZPY11) and D603 (1N4148).

For tripping check the tripler (of course), C633 (fit a 1,000pF replacement instead of 680pF), and for dry-joints on the chopper transformer. **N.B.** 

### **ITT CVC9 Chassis**

Some time ago there was a query about the VDR R409. I use a VA8650, which is readily available from Willow Vale, and have had no comebacks. Failure of R409, giving loss of sound, is a very common fault. **N.B.** 

### **Philips G11 Chassis**

The problem with this set was no luminance. After changing the i.f. and decoder panels to no avail I traced the cause of the fault to the 4.7V zener diode in the beam limiting circuit on the power supply panel. **N.B.** 

### **Decca 70 Chassis**

There was no picture though the e.h.t. was present. The yellow lead soldered to the back of the mother board in the area of the decoder had broken. **N.B.** 

### ITT VC301 Chassis

There was no sync on this ageing monochrome portable. The volume control was very noisy and the e.h.t. arced, but the tube still looked very lively. The supply at pin 2 of the SN76532N sync separator/line oscillator chip was correct at about 9.3V but the voltage at the video input, pin 9, was slightly negative. The bias resistor R100 (1M $\Omega$ ) had gone open-circuit. N.B.

### Sony KV1412

This set wouldn't start. The fuse was intact and there was 115V at IC601 ( $\mu$ PC1394C). While checking voltages the set started, then went off. After resoldering a couple of suspect joints on IC601 the set worked for a couple of days, then on a particularly cold morning it refused to start. Heating IC601 got it going once more and after fitting a replacement we had a lasting cure. N.B.

### Ferguson TX90 Chassis

This set came in with no picture. We advanced the first anode control and got a blank white raster. Checks were then made around the decoder chip. The -0.8V that should have been present at pins 19 and 23 was found to be missing. A check with the scope showed that pulses from the line output transformer were arriving at R171 (270k $\Omega$ ) but there was nothing at the chip side. Replacing R171 cured the problem. M.D.

### **ITT CVC1110 Chassis**

The problem with this set, which was actually a GEC colour portable, was a small picture with a hum bar. The h.t. rail was found to be low at 95V instead of 110V. The reference voltage in the chopper control circuit is provided

by the 10V zener diode D711, and a check revealed that the voltage across this diode was varying between 6V and 8V.

## Micro Clinic

### Spectrum Plus

We've had similar Spectrum Plus faults to those described by Ken Taylor in the January Micro Clinic.

When one machine was powered up the screen showed a changing brick pattern but no Sinclair logo. The current consumption was excessive at over 1A - it should be nominally 680mA. The ROM, CPU and ULA chips were checked by fitting them in a known working machine. The ROM and CPU were o.k. but the ULA proved to be defective. Unfortunately the same fault was present when the ROM and CPU chips plus a new ULA were fitted in the defective machine. A quick prod around with the logic probe then showed that the CPU had crashed (/halt pin 18 = 1). The ROM, CPU and ULA were again removed and power applied. The logic probe was then used to check the data bus - all lines should have been high due to resistors R9-R16. Lines D1, D2, D4, D5 and D6 were found to be low however. A resistance check showed a direct short-circuit and we next found that pin 14 (data out) of IC16/17/19/20/21 was shorted to ground. Lifting pin 14 of these i.c.s removed the excessive current drain. IC25 and IC26 were at this stage removed to disable the top 32K.

A scope probe check then revealed that the /RAS control signal for the lower 16K RAM was missing at pin 4. It was present at pin 35 of the ULA. A resistance check showed a contact resistance of 14 $\Omega$  between the ULA and its socket. Fitting a new socket re-established the signal – but still didn't clear the fault. Address line A6 was found to be present at one side of R20 but not the other side. A resistance check showed that R20 had infinite resistance. Replacing R20 cured the remaining faults, allowing the machine to initialise correctly – but only as a 16K machine (IC25/26 removed).

Phone calls to various distributors revealed that the TMS4532 and the MSM3732 have been obsolete for a couple of years, the replacement being the 4164 series. Which links do you use with these devices? I assume the Texas link is used and either link 3 or link 4 depending on whether the upper or lower 32K is used.

Incidentally, the EAR socket circuit is shown incorrectly in Ken Taylor's series of articles. C32 is in parallel with D13 and C35 in series with R36 (see Figs. 5 and 12). A.G.G.

### **BBC Model B**

The three LED indicators for cassette motor, caps and symbol shift would light up intermittently, the rest of the computer working perfectly. On inspection we found that the print around a couple of LED pins had broken, causing intermittent contact. Apparently the symptoms put in an appearance after the keyboard panel had been removed and refitted: the LEDs had been knocked while the panel was being refitted – it's easy to do. A permanent cure was effected by bridging the print with thin wire. **B.R.** 

### **Unwanted Customers**

Some years ago when the Spectrum appeared on the scene we coincidentally received a handful of ZX81s returned shortly before the guarantee period had expired, all with Replacing D711 rewarded us with a stable 115V h.t. supply. M.D.

Reports from A.G. Grace, Brian Renforth and John de Rivaz, B.Sc. (Eng.)

the same complaint – that the keys didn't work. We were asked to exchange the machines for Spectrums, with the difference paid. Naturally we were suspicious, and on each occasion we could see that the keyboard had been deliberately dented by a screwdriver blade! We didn't miss such customers after telling them where to go for their Spectrums! **B.R.** 

### Patching up a QL

The Sinclair QL has no proper parallel port for a printer. Usually a serial-to-parallel converter is used. As part of a disc interface, the Sandy Superqboard has a parallel port which worked perfectly for a time with an Epson MX80FT2 printer. Eventually however the computer failed to take any notice of the printer's busy signal, with the result that gibberish was printed. An oscilloscope check revealed that the output from the printer wasn't rising above a few millivolts instead of to the 5V specified. Adding a  $1k\Omega$  resistor to the 5V line cured the fault.

It's worth noting that printers have several different ways of acknowledging data from computers, but each computer usually uses only one of them. Thus a printer may work with one computer but not another, the reason being that the acknowledgement pin used with the computer the printer doesn't like is in some way incompatible. J.deR.

### The SPEM QL Digitiser

Suppliers of the SPEM digitiser, which allows pictures from a video source to be digitised and displayed on the QL computer's screen and to be printed out, may get complaints if the user tries to display the input TV picture on the computer's monitor. This is a feature of the equipment, provided for in the switching, and is explained in the manual.

When I tried this the picture wouldn't lock. On examination I found that no sync pulses were being supplied to the monitor. A simple circuit (see Fig. 1) was added to pick them up from within the unit and feed them to the appropriate pin on the output. J.deR.

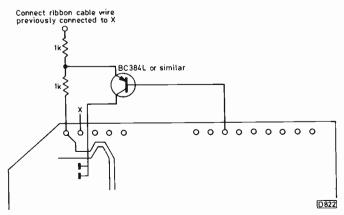


Fig. 1: Modification to the SPEM digitiser board to provide video source sync pulses to the QL's monitor.

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## Letters

### PROBLEMS WITH SCRAMBLING

Most satellite TV enthusiasts will by now have noticed that more and more signals are appearing on Intelsat VA F11 at 27.5°W. You'll also have noticed that with this satellite various forms of scrambling are now evident, i.e. SIS/TV3 on transponder 5/6W with B-MAC, BBC-1/2 on transponder 4W and, more recently, Premiere on transponder 2W with SAVE. Some readers will have sent their hard-earned cash to Premiere and received a "brown box" to decode the scrambled signal. For the benefit of those who haven't, or who got out a soldering iron and sorted it out for themselves, the instruction sheet supplied with the decoder is a sight to behold. The formidable task of explaining how to get the decoder into operation is summarised on a single sheet in simple steps:

- "1. Don't panic, be strong, tread boldly.
- 2. Look carefuly at your Hi-Tech TV and its surroundings. Find a place amongst the black boxes for the little Premiere decoder box.
- 3. Find an empty 13 amp mains socket for it within reach not so easy huh!!
- 4. Slot your Premiere decoder physically into place and plug it in. The little red light should come on! . . . pretty.
- . 5. Now switch on your entire Hi-Tech TV system, the lot including the video, food mixer etc."

And so on.

The rest of the instructions flow with the same literary skills, suggesting that Premiere's viewers have never progressed beyond the *Beano*. A diagram showing a few typical installations would have helped but was not included. Instruction 26 finally throws in the towel with:

"If after all your valiant efforts still no picture appears, I am afraid it's time to call your friendly satellite TV installer."

Most of us have come across Far Eastern products that come with poorly translated instructions. This must be an excellent example of a UK product whose instructions would benefit from being translated into Taiwanese! We know of a number of customers who reached instruction no. 26 without success. Presumably this is only the tip of the iceberg, since according to sales engineer Steve Tucker over 1,500 decoders have been delivered by manufacturer SAT-TEL.

We've also had a number of complaints about "universal sync generators" which are sold at ridiculous prices and are supplied with disclaimers such as "not intended for use as a de-encryption device". The idea is to provide a cover for a shady operation, from both a trading and a technical viewpoint.

Let's have some comments from those who feel that satellite TV deserves better than these shoddy approaches from professionals and amateurs alike.

Gordon McCrea, B.Sc. (Hons), Technical Director, Kesh Electronics (Satellite Systems) Ltd., Kesh, N. Ireland.

### **TV/VCR STANDARDS CONVERSION**

I read with interest Eugene Trundle's article on TV and VCR standards conversion and would like to add the following comments. Almost all the TV sets and VCRs sold in Saudi Arabia have multisystem capability. Some provide for PAL I reception and playback (usually

switchable). Most models have "autovolt" (90-260V) power supplies. The domestic current is nominally 127V, 60Hz but two phases are frequently used to provide 220V. Often both are available in the same room, with interchangeable sockets – hence "autovolt".

A problem not mentioned in the original article is the fact that when a PAL I u.h.f. only machine is taken to a v.h.f. only area the mixer/booster amplifier may not provide a v.h.f. path because of the use of small-value u.h.f. coupling capacitors.

George N.M. Tolley, Jeddah, Saudi Arabia.

### TODAY'S SERVICING PROBLEMS

In reply to R. Lewis (Letters, February) I'm all too well aware of the problem of Mastercare's spares prices. Before Willow Vale started to supply Saisho reel idlers we had to get them from Mastercare, which meant cash with order and an astonishing bill for over £11. This is why I originally suggested Willow Vale as a source of supply in VCR Clinic (October 1987). Their parts enable us to undertake repairs on these machines to a certain level, with minimal outlay on manuals and labour, giving us a rare quick, profitable job. I was subsequently asked to make clear in *Television* that Mastercare supply OM replacement parts for Dixons/Currys own brand goods.

On the subject of video servicing, also discussed in recent letters columns, our experience is that until a year ago the majority of jobs were straightforward mechanical ones. We still get the same machines with the same faults but find that an increasing number of new machines are faulty when unboxed or taken out for over-night demonstration, calling for urgent service attention often without the relevant service information being available and almost certainly before you've been on a course. Couple this with the fact that there is rarely a belt in a machine these days, that new mechanical and electronic technology is present, and that there are no parallels with previous audio equipment for example and you'll appreciate that the need is for highly trained engineers specialising not just in video, TV or audio but, as Steve Beeching has pointed out, in the separate video subdivisions of camera related equipment and domestic VCRs.

Another product that the smaller dealer is finding it increasingly more difficult to service is the compact disc player. These use new, advanced electronics and, as with the latest generation of VCRs, there are the minimum number of helpful adjustments. Those adjustments that are provided require extreme precision, a good understanding of the operation of the various servos and specific manufacturers' jigs. I've spent the last few days on not much other than compact disc players, all either Technics or Pioneer and the majority under guarantee. One of each make required replacement of the optical pick-up unit, again under guarantee. Actually fitting the unit takes about an hour, and a further one and a half hours at least are then required to set up the machine. In the case of the Technics machines this would be impossible without at least two of their excellent jigs - the servo gain adjuster and laser extension PCB. The former has to be used in conjunction with a dual-trace scope and an l.f. generator. All this takes money to purchase, and a dealer who sells say twenty machines is not going to be able to justify spending very much on jigs. Disc players need setting up fairly regularly, so dealers must have the facilities to get this done. The obvious answer is to employ a service subcontractor who deals with players from many sources.

This brings me to my final point - labour reimbursement scales. This has always been a contentious point and I've no doubt it always will be. Take the aforementioned Pioneer compact disc player. You spend two and a half hours at least on it and get £15. One of your correspondents seems to use manufacturers' service departments rather often. This shouldn't be necessary, as most companies now have specialist service dealers (e.g. Sony ASDs, Panasonic Service Centres, Hitachi/Ambassador dealers etc.) to whom smaller dealers should send any problematic units. This emphasises the advantage of specialist service companies. But isn't it a fact that if manufacturers and retailers raised prices to a more realistic level we could be paid a decent wage and service standards would go up? The current trends of further price cutting and higher scale integration of mechanics, necessitating replacement of larger assemblies, are very worrying, especially to us poor sods who get the narked customers with their "only eighteen months old" units requiring attention. Nick Beer,

Bideford, N. Devon.

### WHAT IS AN HONEST PROFIT?

There have been quite a few letters recently on the subject of repair charges. While following these with considerable interest a question that keeps flashing through my mind is what is an "honest profit"? Let me explain. Recently I needed a certain component for the audio amplifier section of a colour receiver. So off I went to the wholesaler, only to find that it was out of stock and wouldn't be available for at least a fortnight. I'd promised the customer that his TV set would be ready for collection that evening, so I had no alternative but to go to a retail shop for the item required. I bought two, not taking much notice of the price, and returned to the ranch. On reckoning up the customer's bill the cost of this item was brought home to me. Allowing for VAT, transport, and administration costs to the shop they'd made 125 per cent profit on each item. Is that fair? This is why I ask "what is an honest profit"? M.K. Hayter,

Moseley, Birmingham.

### **IR REMOTE CONTROL HANDSET TESTER**

The circuit of a very simple but quick infra-red remote control unit tester is shown in Fig. 1(a). It was devised because, having had several remote control handsets that had been through the automatic washer, I needed a quick go/no go test set. I've found the arrangement to be ideal, since it uses the Avo and can be thrown into the toolbox without much fear of anything happening to it. If you want to use a separate meter and battery, use the circuit

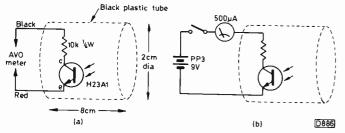


Fig. 1: Jim Littler's infra-red remote control unit tester. (a) For use with an Avo. (b) With own meter and battery. shown in Fig. 1(b). Note that if a Gould digital meter is used the red and black connections will have to be reversed as red is positive on the ohms ranges.

Use the 200k $\dot{\Omega}$  range. H23A1 phototransistors are available in pairs from Farnell Electronics of Leeds. *Jim Littler*,

Wigan, Lancs.

### **GRUNDIG VCRs WITH ELECTRONIC LOCKING**

With reference to the letter headed "a deterrent to theft" in the February issue I would point out that Grundig VCRs have since 1984 featured a method of electronically locking the recorder to prevent unauthorised use or theft. The system is programmed by the customer who keys in four digits on the keypad, after which the recorder is "locked up" for several years unless it's unlocked by keying in the same four digits. A local Grundig dealer would be happy to give a demonstration. The first VCR to incorporate this feature, Model VS200, was released in June 1984. The latest, Model VS540, was released last December. Other models to date have been the VS310, VS340, VS380 and VS400.

A.M. Kolodynski, Technical Advisor – Video, Grundig International Ltd., Rugby, Warwickshire.

### PHILIPS 2023 MODIFICATION

The modification R.W. Silver asks for (Letters, March), to override the three-four minute auto shutdown with the Philips 2023 VCR, is simple. All that's required is a track cut on the power supply board. There are two SG3524 control chips on this board. Pin 10 of IC7052, the one nearest the bottom of the board, must be disconnected. Cut the track near to the device. This will prevent the remote control shutdown working. *B.B. Lock Eng. Tech.*,

Verwood, Dorset.

### **BEST PRICES**

As spares stockists/suppliers we feel it necessary to make our position clear to dealers who apparently don't know what is currently available. Two items have been mentioned in your columns recently. Saisho VR1000 idlers have been available under Willow Vale order code 17-411 at  $\pm 2.90$  plus VAT since 1986. The reel motor for Triumph/Amstrad machines has again been available since 1986, under order code 17-412, at our trade price of  $\pm 11.50$  plus VAT. Willow Vale stock in depth, not just the popular items but a fair proportion of the hard to obtain spares – and not at rip-off prices! It may pay Service Managers and buyers to find out who can supply what, then maybe suppliers such as ourselves will be able to look forward to a few pats on the back instead of being knocked in the press.

Bryan Tuckfield, National Sales Manager, Willow Vale Electronics Ltd., Reading, Berks.

### THE LIGHTER SIDE

After all the letters in recent issues about service charges and cowboy operators I'd like to add a touch of humour with the following true story. Someone asked a friend of mine to have a look at an old ITT CVC5, the complaint being that a funny smell came from the back and the picture was breaking up. When he called at the house he removed the back and noticed the obvious thing on this chassis – the earthing point on the right-hand side of the set was dry and needed resoldering. Commenting that it was "only a dry-joint on the panel – I can fix it in a few minutes and put you a good earth on it", he went out to the van to get his soldering iron. On returning he found that the customer had replaced the back and now said he'd changed his mind and didn't want the set repaired. No money was offered for the call, and my friend left complaining bitterly.

A few days later he was asked to return, the customer promising that this time he would have the set fixed. "I'm not coming out, but if you bring the set in we'll repair it" replied my friend. Some time later the customer arrived with the TV set and his wife. She was holding a large bucket filled with soil. A lead went from this to the back of the set. When he asked what the bucket and wire were for he received the following reply: "Well, I've a friend who can repair anything. You said the set had a bad earth so he suggested I made an earth of my own. The bucket was the only thing we could think of to hold it." God help us! I won't even begin to tell you what my mate said. . . *E. Hunt*,

Great Sutton, South Wirral.

### TAPE LOOPING PROBLEM

David Hall mentions the problem of tape looping with the Philips VR6462 in the February Letters pages. Philips themselves have referred to this problem in *Service Link*. Their suggestions can be summarised as follows.

If tape looping with Models VR6462/6463/6660/6860 and Pye Models DV464/662 is experienced during forward or reverse search, possibly aggravated by low temperature conditions, first suspect a slipping idler wheel. Clean the motor pulley, idler wheel and reel discs with Freon TMS. If slipping still occurs, change the idler wheel. The wheel is available under part no. 528 70484 as a kit comprising the wheel (item 264), spring (item 266) and two pieces of plastic sleeving. Fit all these items — they are of improved type. The pieces of sleeving fit on the pillars over the ends of the spring to hold it in the correct position.

If tape looping is still a problem the following electrical modification can be carried out. Connect a  $27k\Omega$ ,  $\frac{1}{8}W$  resistor and BC548 transistor in series across R3111 — the  $27k\Omega$  resistor is connected to the collector of the transistor whose emitter is connected to the chassis side of R3111. Connect the transistor's base via a  $100k\Omega$ ,  $\frac{1}{8}W$  resistor to pin 19 of IC7915.

This may be of help to other readers experiencing this problem.

Steven Belcher, Wigan, Lancs.

### BUSH TV22 - HELP WANTED

I've recently realised an ambition and acquired a Bakelite Bush TV22, circa 1951. The set is in excellent condition and the renovation required appears to be minimal. Unfortunately the PL38 line output valve is missing, as is the valve next to it — I don't know the number (it's a PZ30 — Editor). A vague service note on paper very browned with age informed someone long ago that the set had "low e.h.t., suspect poor PL38". I'd have liked the earlier TV12 with EF50s, but. . .

Can anyone supply the missing valves and a service sheet? And does anyone have an oil-filled magnifying screen to complete the set which has had holes drilled for

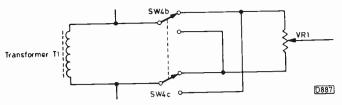


Fig. 2: Use of a three-pole changeover switch to reverse the connections to VR1 in the capacitance bridge.

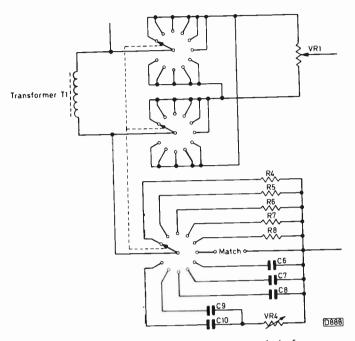


Fig. 3: Use of a three-pole, eleven-way switch for range selection and reversing the connections to VR1.

one? Needless to say any costs would be met along with payment for parts.

I paid (secrets out time) ninety pounds for the set in bits, and the antique dealer wouldn't drop the price.

David C. J. Tilley, 55 Jenner Road, Stoke Newington, London N16 7RB.

Telephone 01-806 0287.

### CAPACITANCE BRIDGE MODIFICATION

I read with interest David Botto's article on building a wide-range capacitance bridge. On the grounds that most of us are more handy with a soldering iron than with a drawing pen, a small design modification, which I have included in my own version, avoids the need to have a separate scale for resistance measurement. This modification reverses the connections to VR1 when it's used for resistance measurement, and can be achieved quite simply by making SW4 a three-pole changeover switch, using two of the poles to reverse the connections as shown in Fig. 2.

A more elegant solution is to use a three-pole, elevenway switch for range selection and reverse the connections to VR1 automatically as the scales are changed from capacitance to resistance measurement — see Fig. 3.

My own bridge has been in use for around forty years and is as accurate now as the day it was built! It's easy to detect a leaky capacitor because the null/minimum sound position of VR1 will be fuzzy, while with a good capacitor it's quite sharp.

Congratulations to David Botto on updating a very useful piece of test equipment.

R. A. Jackson,

Basildon, Essex.

## Servicing Mitsubishi VCRs

In this article I'll be covering the HS303/320, the HS304/ 330, the HS306/307, the HS700 and also mention briefly the more recent HS318/319.

### Model HS303

We'll start with the HS303/320. The HS303 is the basic model. Most of the electronics are on the main panel underneath. Access is by removing the top (two screws at the rear) and bottom (six screws). After undoing the three securing screws the panel can be hinged upwards. Take care when working on the machine upside down as the tuning panel on top is not secured and can short out to the metal mounting bracket.

This machine has five motors – capstan, loading, drum and two for the reels. It's on the whole a fairly reliable machine but the picture quality, particularly by current standards, is poor – this is not so noticeable if the machine is used with an old TV set.

### **Common Faults**

Failure of one of the reel motors is common, giving poor or no rewind or intermittent play. The motors are easy to check – when taken out it should be possible to spin them quite freely by hand. Any stiffness means that replacement is required.

Motorboating on sound or failure to record sound usually means that the audio relay K3F0 has dirty contacts. Cleaning may help but replacement is usually best. Failure to record while leaving the previous sound intact is caused by the plugs and sockets in the erase circuit, one on the main board and one on the head itself. Remove the plugs and sockets and solder the wires direct.

Video head wear usually shows up after about three years, giving streaks on the picture highlights. You'll often find that the head has taken on a dull appearance because the chrome has worn off. To change the head drum on this and most Mitsubishi machines you must first remove the motor coils from the top of the assembly (two screws), next remove the ring magnet (three screws) noting which way it goes on, then the drum itself (two screws). Mitsubishi head drums can be a tight fit. Heating with a hairdryer can help but whatever happens don't be tempted to try to lever the drum off with a screwdriver – all you'll succeed in doing is to damage the lower drum assembly.

Another common fault, which you get with all the Mitsubishi VCRs covered in this article, is failure to record and/or playback in colour. The problem is usually intermittent. In nearly all cases it can be cured by using a frequency counter to set up the various 4.43MHz oscillators to within 50Hz of the specified value. Just occasionally one of the crystals may have to be replaced. Before making the adjustments it's a good idea to give the trimmer capacitors a few turns to clear away any flux drawn up into the leaves during manufacture.

A final common fault with the HS303 and also some later models is failure to track prerecorded tapes or even earlier recordings made by the machine. The cause is loose tape guides. You'll find that they can be easily turned by hand. After resetting, tighten the locking screw – this is mounted vertically next to the guide rather than on the shaft as you would expect. When correctly tightened you should be able to turn the guide by hand. Seal the locking screw with paint.

### Model HS320

The HS320 was an upmarket machine sold at the same time as the HS303. In many respects however it was very different. As we sold only a few I can't say much about it, but here are a few points to watch out for.

The supply photosensor is mounted on the 'left side panel. So if you have this board out when working on the machine the tape won't stop at the end. It's essential to refit the board in the correct position to ensure that the sensor lines up with the lamp. A panel lock switch is fitted: if this is "on", operation of most of the front panel is prevented.

Common faults are the guides, oscillator adjustments, reel motors, incorrect speed due to crystal X6A0, and failure to load correctly because the loading switches are incorrectly positioned. These switches are located by the head drum at the end of travel of the loading arms and can be adjusted from above by loosening the mounting screw. The problem can occur with the other models dealt with in this article but seems to be more common with the HS320.

### Models HS304 and HS330

The HS303 was replaced by the HS304. The mechanics are similar but the HS304 has a front-loading mechanism. The electronics are on two boards at the right of the machine. The top board, mounted with the components down, contains the signals circuits while the bottom board, mounted with the components up, contains most of the servo and power supply circuits. Access is by removing the top – two screws at either side. All lower board adjustments are along the right-hand edge and are easy to adjust from this side. Access to this board for service is difficult however as most of the solder side is obstructed by plastic reinforcing bars for the chassis. It's usually necessary first to remove the top board then unscrew and lift the lower board as far as the wires permit.

The HS330 is the upmarket version of the HS304 and is very similar. The main difference is the addition of an extra board above the video heads. This board caters for the dual-speed functions.

Common faults on these two machines are as follows: the guides, reel motors, oscillator adjustments and intermittent sound erase. In addition the HS304 can suffer from intermittent playback luminance, record picture, speed variation or record colour. These problems are all caused by dry-joints on IC2A0. Scrape all the varnish from the pins before resoldering. Intermittent sound recording is caused by misalignment of the audio/control head assembly. The HS304 has wired remote control: the socket is mounted on a corner of the tuner preset panel and can break off if the plug is inserted using undue force. The replacement panel is quite cheap however.

Less common faults I've had with the HS304 are: patterning/instability on certain channels due to a faulty tuner; no capstan operation due to IC4A2; failure to switch

Derek Snelling

off due to R908/910; taking a long time to come out of visual search due to a faulty capstan motor; and intermittent sound due to misalignment of the audio/control head assembly.

### Models HS306 and HS307

The HS304 and HS330 were replaced by the HS306 and HS307 respectively. They are completely different from the earlier models - the mechanics were redesigned so that only one motor is used for loading, fast forward, rewind and play (capstan) while the electronics are mounted on one main board with the clock/timer on a smaller board that's permanently fixed to the front of the main board. The two machines are identical apart from the fact that the HS307 has extra components fitted on the main board.

Access is by removing the top - two screws at either side and the front; three clips along the top, one either side and three along the bottom. For access to the head for cleaning, undo the six screws that hold the main board and the four that hold the timer board, then swing the whole assembly into the vertical position after which the head cover can be removed and the heads cleaned.

Common faults on these models are as follows: wired remote control failure (replace the plug and wire); failure of the remote control socket; mains fuse failure (upgrade to 630mA); an intermittently negative picture due to dryjoints in the booster/converter; squeaking due to lack of grease and poor centring of the head drum earthing spring; intermittent sound recording due to poor alignment of the audio/control head assembly; failure of the capstan to go in one direction due to the capstan drive chip which is mounted on the metal strip at the front of the main board; low gain due to a faulty booster/converter; intermittent or no colour due to IC6A0; and failure to front load correctly due to the nylon cassette housing guides jumping out of the grooves. Head wear is also beginning to show on these machines a bit earlier than one might expect.

### Models HS318 and HS319

The HS306/307 were replaced by the HS318/319. Again, this involved complete redesign. Access is as awkward as with the previous models. Head cleaning involves unclipping three small subpanels connected to the main board as well as the main board itself. Note that when removing the front there's a screw behind the front flap.

There are not many common faults with these machines, but failure of the front loading or loading switches is one, and this usually results in damage to one or more of the cogs. This can also happen with the HS306, but is less common with this machine. No playback or E-E sound can be due to cracks in the print at the rear left of the main board, while low gain can be caused by the 9V stabiliser that supplies the booster/converter.

### Model HS700

Most of the electronics in the portable Model HS700 are on the rear boards, with the mechacon section on the board mounted on the left-hand side. Access is by removing the back (six large and two small screws), the cassette lid (two screws) and the front (up to six small screws and clips plus one screw and the tracking knob behind the front panel). In addition, to clean the head drum properly the control panel and head cover must be removed. Undoing the three screws along the top edge of the rear panels enables them to be hinged down as one board.

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The mechanics are very similar to those of the HS303/ 304. A point here is that the machine is designed to operate in the upright position: when used on its back the cassette housing is not strong enough to eject the tape.

Common faults with this machine are as follows: intermittent colour due to poor oscillator adjustment; poor tracking due to loose guides; reel motor failure; failure of the aerial socket; incorrect positioning of the take-up reel cog – it has a tendency to move up or down the shaft, giving intermittent play or high rewind speed, often resulting in damaged tape; stopping after a few seconds due to a broken still frame adjustment potentiometer (adjustable through the rear cover of the machine); intermittent sound recording and failure to erase the previous sound (see Model HS303). For vertical lines on dark scenes fit a  $100\mu$ H choke across R6G3 on the chrominance/luminance board. A few tips with this model. Be careful how you refit the shield over the front controls - it can short R858 to deck, causing F902 to fail; remember to refit the counter belt if you have the cassette housing out; if you have to replace the camera socket order one for the HS710 - it's metal and available separately. The fuses are located on a small panel mounted end-on under the control panel.

### Slow Rewind

The subject of slow rewind with earlier models - the HS303, HS320 and HS700 - was deal with in some detail in the March 1985 issue (see page 279). The first thing to check is the reel motors. If these are o.k., the values of the resistors in the feedback paths to the reel revolution detector transistor can be increased. With the HS303 and HS700 the resistors are R5K6 and R5K5, with the HS320 they are R5B4 and R5M4. To determine the value, temporarily fit a  $10k\Omega$  preset in series with a  $1k\Omega$  fixed resistor, then adjust the speed for whatever is best in the particular case.

### In General

Finally, a few words in general about these machines. In the case of dirty heads, particularly with the more recent models, it's not unusual to have to clean them two or three times to get the picture back. Some of these machines are now appearing on the secondhand market. Since they were not as widely sold as many other makes they can be bought at very reasonable prices. Provided the heads are good I'd recommend all models except the HS303/320/330 as good buys. Heads can be a problem: as they are not as widely available as other makes they tend to be rather more expensive.



# **Teletopics**

### SATELLITE TV LATEST

The sixteen-channel, medium-power Astra TV satellite, which is now due to be launched this October, will use two transmission standards, D-MAC and D2-MAC. PAL has been ruled out. The ten English-language channels, which will include Premiere, Sky, MTV, SuperChannel, Screensport, Children's Channel, CNN and Lifestyle, will use D-MAC while channels directed primarily at Continental viewers will use D2-MAC.

The IBA has announced the award of two further contracts for equipment to be installed at its satellite broadcasting up-link station, which will feed signals to the BSB DBS satellite due to be launched late next year. The contract for the high-power up-link transmission equipment had been awarded to Thorn EMI Electronics Ltd. of Wells, Somerset. The equipment will take each of the three modulated D-MAC/Packet channels, upconvert the signals to frequencies at around 17GHz, amplify them to approximately 1.5kW and combine them for feeding to the aerial system. The contract for the latter has been awarded to ERA Technology Ltd. of Leatherhead. The system will consist of a pair of eight metre diameter dish aerials with tracking.

A two-day conference on direct broadcasting by satellite, organised by the Society of Electronic and Radio Technicians (SERT), is to be held at the IBA, Brompton Road, London SW3 1EY on June 5-6th. For further details apply to SERT at 57-61 Newington Causeway, London SE1 6BL (01-403 2351).

Tatung (UK) Ltd. have introduced a satellite TV receiver system called Early Bird. It consists of an easy-to-mount 80cm offset parabolic dish aerial and a state-of-the-art indoor unit which is programmed to receive the sixteen Astra channels and forty future DBS channels. Although no price has been announced the system is aimed at the mass consumer market, via High Street outlets.

Satellite Technology Systems Ltd. (Satellite House, Blackswarth Road, Bristol BS5 8AU) has put into production, aimed primarily at OEM customers, a new highprecision, low-cost dish system which will be available in a range of pastel colours. The initial production capacity is 500,000 units a year. Precision has been achieved through computer profiling, and the tooling has been manufactured under direct computer control in clean-room conditions. The dish is made of aluminium which, unlike plastics, is not affected by extremes of temperature or by ultra-violet light: a chemical finish is applied to give long-term protection against corrosion and enable the dishes to be supplied in a range of pastel colours. Computer-aided design has also been used for the fittings, which enable the dish to be rapidly installed on a wall or chimney using the unique STS fixing kit. Each dish is packaged separately for maximum protection then cased in outers of fifty or a hundred.

### INDUSTRIAL SCENE

Matsushita (National Panasonic) is investing £7m in a third South Wales plant, at Baglan Bay. It will be used to produce colour TV sets, VCRs and microwave ovens. Employment is expected to rise to 120 within two years.

J2T, owned by Thomson and JVC, is to cease production of VCRs at the Newhaven plant. Worldwide over capacity is blamed for the move. The local management hopes to buy the plant from J2T and use it for the assembly of PCBs for J2T and other European VCR manufacturers.

The European Commission is to investigate complaints that South Korean manufacturers of small-screen colour TV receivers have been selling them at prices as much as 38 per cent below those charged by Community producers. It's estimated that in 1987 S. Korean manufacturers took about 16 per cent of the European small-screen CTV market.

### DIXONS ACQUIRES WIGFALLS

Dixons is to pay around £16m for the Sheffield-based Wigfalls chain of electrical retail outlets. Wigfalls has 106 shops in the north and midlands and has been running at a loss in recent years. Most of the shops will be converted to Dixons or Currys outlets.

### **VIDEO EQUIPMENT**

JVC and Ferguson have both stated that they expect to introduce S-VHS equipment – VCRs and camcorders – in the UK this autumn. Doubtless other firms will be aiming for a launch at much the same time. S-VHS equipment is expected to sell at around 20-30 per cent more than standard VHS equipment while cassettes could be twice as much.

Sony's latest 8mm camcorder, Model CCD-V200, which supersedes the CCD-V100, has a very high specification for its suggested selling price of around £1,800. For a start it has stereo sound pick-up, using PCM digital processing, and a new 440,000 pixel image sensor. The electronic shutter operates at up to 1/4,000th of a second and the variable zoom lens can give up to eight times magnification. The V200 can be used in lighting conditions as low as five lux – half the light produced by a single camera. Features include a character generator, fader and wiper, interval record for animation type videos, and the user can add the time and date over the recorded image. A microphone is provided to add narration and, since the camcorder is for enthusiasts, automatic and preset functions such as infrared focus, linear auto-white balance and iris control have manual override. Action and character displays can be monitored via the electronic viewfinder and an LC display is used to show the operating mode selected. An external stereo microphone, and stereo headphones for sound review, can be used with the camera.

Cameron Communications Ltd. (Communicate House, 50 Suttons Park Avenue, Reading RG6 1AZ – 0734 664 611) have introduced in the UK the Photophone, a cost-effective means of transmitting video pictures over a single ordinary telephone line. Since the Photophone uses a high-resolution camera, you can take a picture of literally anything. Operation is easy – there's nothing to install and neither a computer language nor software to learn. You just point the camera, focus it and transmit. Fifteen seconds later the same high-quality picture can be available anywhere in the world.

### HOW MANY CHANNELS?

The DTI Civil Land Mobile Radio Committee, concerned that frequencies required for the expansion of mobile communications services might be reallocated to TV, has produced a report suggesting that up to twelve national TV channels could be squeezed into the spectrum occupied by the present four. The channels would have a bandwidth of 4MHz and digital techniques would be used to provide



signal interleaving. The technology is said to be five-ten years away. It seems doubtful whether it would be in any way compatible with current standards.

The BBC and the IBA have both stated that they would be prepared to provide the transmission facilities for the proposed fifth UK TV network and any other services that may be given government approval.

### CHANGES AT ITT

The Nokia Corporation, having taken over ITT's European consumer electronic goods interests, has changed the name of the UK operation to SL Consumer Electronics (UK). SL will continue to market ITT brand TV and video equipment in the UK. Servicing and the supply of spares has been taken over by Hoopwell Ltd. whose address and telephone number will be found under ITT in the TV/VCR spares guide issued with this month's *Television*.

### SONY CTV BOOK

Sony (UK) Ltd. has published a Colour Television Circuit Book, in two volumes, which provides model specifications, circuit diagrams, PCB layouts, exploded views and spare parts information for every Sony colour TV receiver, teletext board and remote control unit from the earliest sets sold in the UK and Ireland up to the present day. Copies of this publication can be obtained through the Sony Spare Parts Department (for address see the TV/VCR Spares Guide), S.E.S. Ltd. or Sony Regional Service Centres by quoting the following part numbers: Volume 1 up to and including 20in. models, part no. S-796-003-10; Volume 2 21in. and over models, teletext boards and remote commanders, part no. S-796-004-10. The price of each volume is £14.95. If both books are ordered together however, quoting part no. S-796-006-10, the total price for the two is £24.95. We will be publishing a short review of this obviously useful work in a future issue.

### HEDS DATE CHANGED

The 1988 Home Entertainment Dealer Show at the Birmingham National Exhibition Centre will be held on August 16-18th instead of the May dates previously announced.

### TV RECEIVERS

Ferguson has announced that colour TV models fitted with the new Super Planar tube will be released in the Autumn. The new tube is produced by a Thomson subsidiary in Italy, and the sets will incorporate a Thomson-designed chassis. The tube has a flatter screen that offers a wider viewing angle than a standard FS tube – the extra flatness has been made possible by computer optimisation of a special aspherical shape. It has an anti-reflection coating, black matrixing, a specially prepared shadowmask that gives stable colour purity over a wide picture brightness range, and the new DB/XL gun with improved focus performance.

Goodmans have introduced a new monochrome portable, the Quadro 901, with a 5in. tube and m.w./v.h.f. radio. The suggested retail price is £79.90.

Mullard has introduced two new transistors, types BU603 and BU903, for use in CTV and monitor switchmode power supplies. The BU603 is in a TO220 package and is rated at 5A, 1.35kV. The BU903 is in the slightly larger SOT93 package and is rated at 6A, 1.35kV.

## A Guide to Microwave Techniques

### Part 1: Waveguide Theory

The advent of satellite TV has brought the subject of microwave communications to the attention of those concerned with domestic electronics. The purpose of this new series is to provide an insight into basic microwave technology – where precision engineering takes precedence over "state of the art" electronics.

### **Transmission Lines**

At relatively low frequencies signals are conveyed between sections of a system by cables. Open-wire transmission lines are commonly used at up to about 200MHz, but above this frequency the attenuation (power loss) becomes prohibitive. At up to about 10GHz coaxial cables are quite efficient.

Transmission line losses are generally described in terms of power losses – the resistance of the conductors converts the signals to heat (this is also referred to as ohmic losses). Above a few GHz however the following factors become increasingly significant. (1) Radiation loss due to the fact that the conductors radiate a proportion of the signal, i.e. the conductor acts as an aerial. (2) Dielectric loss. Changes in the potential between the two conductors induce surface charges on the dielectric (the insulating material with a coaxial cable, the air between the conductors with an open-wire transmission line). (3) Skin effect: as frequency rises the current density becomes greatest around the outer surface of a conductor. This effect can be minimised at microwave frequencies by coating the outer surface of a conductor with a low-resistance material such as gold.

Until recent times the most effective method of transmission at microwave frequencies – it remains so for high power levels – has been the use of a waveguide, which is basically a hollow tube of rectangular, square or circular cross-section.

### Nature of a Radio Wave

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Before going into waveguide propagation we must understand exactly what a radio wave is. It's an electromagnetic wave, which means that it consists of an electric (E) field and a magnetic (H) field.

If an electromagnetic wave is radiated from a point source in space, the radiation will be uniform about the source, forming a spherical wavefront – see Fig. 1. If this spherical wavefront is observed at a great distance only a small section of the sphere will be visible. It will appear as a plane transverse wave, i.e. with no E or H field component in the direction of propagation and with the E and H fields at right-angles to each other. Such a wave is usually referred to as a transverse electromagnetic or TEM wave.

Three fundamental conditions must be met for a TEM wave to be propagated along a transmission line. These are commonly referred to as the boundary conditions, as defined by Maxwell's Laws (see Fig. 2). (1) The E field must be at right-angles to any conducting boundary or be zero at the boundary. (2) The H field must be parallel to all conducting boundaries and form closed current loops. (3) Both the E and H fields must be at right angles to each other and normal to the direction of propagation.

When a TEM is travelling along an open-wire transmis-

### Andrew J. Heron

sion line the conditions are as shown in Fig. 3(a). The E and H fields are at right-angles to each other and both are at right-angles to the direction of propagation. The boundary conditions mentioned above are met and the TEM wave will be propagated.

If the two conductors are replaced by two parallel plates as shown in Fig. 3(b) the boundary conditions are again fulfilled and the wave is propagated. These plates represent the side walls of a waveguide. If a pair of plates is added across the top and bottom as shown in Fig. 4 a waveguide of square cross-section is formed.

### Waveguide Propagation

The top and bottom plates appear as a short-circuit across the parallel side plates and effectively become part of the conducting boundary. The following conditions are now present. (1) The E field lies parallel to the conducting boundaries. (2) The H field does not form closed current loops. These oppose the previously mentioned boundary conditions. So how can a TEM wave be propagated in a waveguide?

As we've seen a TEM wave will radiate equally in all directions and form a plane wavefront. If a reflecting surface, i.e. a boundary, is placed at some point in the path of the wavefront the latter will be reflected, with phase reversal at the boundary. The angle at which a wave is reflected from such a surface is equal to the angle at which it strikes the surface (see Fig. 5). Thus a TEM wave striking a reflective boundary is similar to a beam of light that strikes a reflective surface. It will follow a fundamental rule of optical physics: that the angle of reflection of a light ray from a reflective surface is equal to the angle of incidence at the surface.

Consider a TEM wave directed towards a perfect reflecting surface or boundary – see Fig. 6. This diagram shows the incident and reflected waves, with their associated E field maxima. At point P the electric field must be zero since phase reversal occurs at the boundary. The incident and reflected components thus cancel each other and the first criterion of the boundary conditions is fulfilled.

Between points Q and Q' the electric field resulting from the combination of the incident and reflected components varies from a maximum in the positive sense to a maximum in the negative sense. The distance between two positive (or negative) maxima must therefore be one wavelength, as indicated by R-R'. Similarly Q-Q' is one half wavelength.

The distance S-S' represents one wavelength of the incident wave and is referred to as the free-space wavelength ( $\lambda a$ ). The wavelength R-R' is longer and is referred to as the waveguide (or guide) wavelength – we'll return to this later.

In the plane T-T' the resultant electric field is again zero, because the 180° out-of-phase E field components cancel. A second reflective boundary can therefore be placed in this plane and again the first criterion for boundary conditions will be met. The wavefront will then be continually reflected between the two boundaries and will be propagated along the centre of the waveguide.

If the waveguide is completed by the addition of two further boundaries in the plane of the paper the E field will

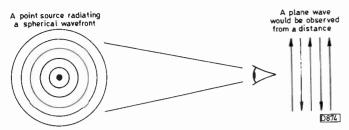


Fig. 1: An electromagnetic wave radiated from a point source in space will appear as a transverse plane wave when seen from a great distance.

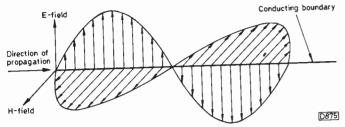


Fig. 2: Propagation of a TEM wave.

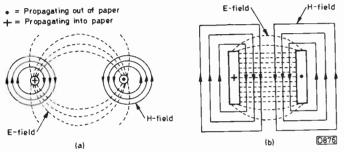


Fig. 3: A TEM wave applied to an open-wire transmission line (a) and two parallel plates (b).

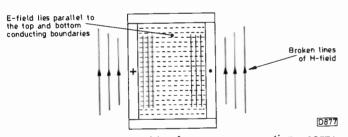


Fig. 4: Forming a waveguide of square cross-section – sorry, but we've not got the proportions quite right...

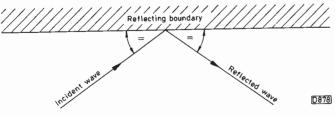


Fig. 5: Incident and reflected waves.

be at right-angles to these boundaries and the boundary conditions will be fully satisfied for the E field.

To meet the boundary conditions for the H (magnetic) field, the latter must lie parallel to or be tangential to all the conducting boundaries and form closed current loops. The H field must also be normal (at right-angles) to the direction of propagation.

Fig. 7(b) represents a section of an incident plane wave travelling in the direction indicated. The wave is polarised with the magnetic component lying in the plane of the paper and the E field at right-angles to the plane of the

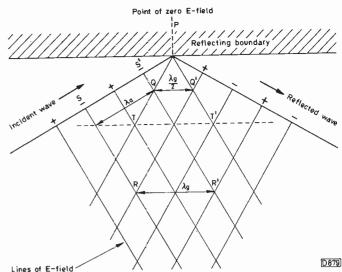


Fig. 6: A TEM wave directed towards a reflective surface.

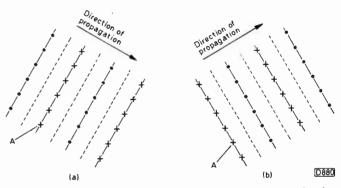


Fig. 7: Sections of incident plane waves travelling in the directions indicated.

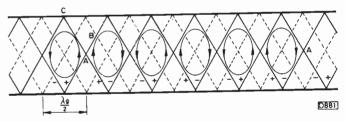


Fig. 8: Incident and reflected waves in a waveguide.

paper, in phase with the H field. Fig. 7(a) is identical to Fig. 7(b) except for the direction of propagation. It represents a reflected wave. In both cases the solid lines indicate H field maxima in alternate directions (positive and negative) while the dotted lines indicate positions midway between the maxima, where the H field is at zero.

Within a waveguide the incident and reflected waves are superimposed, as shown in Fig. 8, where the conditions shown in Fig. 7 have been superimposed with points A coinciding. Because this field is a combination of two magnetic components the magnitude and direction at any point where the lines cross will be determined by the resultant of the two fields. At points such as B one component is zero, so that the resultant field magnitude and direction is represented by the solid line. At points such as A and C the resultant will lie on one or other of the bisectors of the two lines, its magnitude and direction being between the positive direction of the two lines. At points of intersection of two dotted lines the resultant H field will be zero.

It will be apparent from Fig. 8 that the resultant lines of force will form closed current loops and lie parallel (or tangential) to the conducting boundaries. The boundary conditions for the H field have been met and the wave will be propagated along the centre of the waveguide.

### Waveguide Dimensions and Modes

Waveguide dimensions are determined by frequency. Table 1 lists a few standard waveguide sizes and dimensions. The two dimensions are referred to as "a" and "b", "a" being the broad dimension (width) and "b" the narrow dimension (height). This is the generally accepted representation, but in certain instances the "b" dimension may be referred to as the broad one.

The cut-off frequency is defined as the lowest frequency that will propagate along a waveguide of given dimensions. This situation occurs because, as the frequency decreases, the angle at which the wavefront reaches the reflective boundary from its source approaches the vertical, i.e. 90°. At the cut-off frequency a wave is simply reflected between the boundaries, at right-angles to them.

A waveguide's mode of propagation is given by the number of "diamonds" formed between its reflective boundaries by the wave's zig-zag path. If the electric or magnetic fields across each dimension are observed the mode of propagation can be described as follows: (1) transverse electric (TE) field or (2) transverse magnetic (TM) field. In each case the convention is to complete the description by adding two numbers, so that it takes the form TEmn or TMmn, where m is the number of E field (or H field for the TM mode) maxima across the "a" dimension and n is the number of E field (or H field) maxima across the "b" dimension.

Fig. 9 shows a rectangular guide with TE10 mode propagation. It can be seen that there is one E field maximum across the "a" dimension and none across the "b" dimension (the E field is at zero at this boundary). The TE10 mode is referred to as the dominant mode for a rectangular waveguide. It can be considered as the mode that provides the least complex E field pattern.

The TE10 mode produces vertical polarisation – polarisation is defined by the plane of the E field. If the E field shown in Fig. 9 is rotated through 90° the mode becomes TE01 and the polarisation horizontal.

We've already defined the critical (cut-off) frequency. The critical wavelength ( $\lambda c$ ) is the longest free-space wavelength that will propagate along a given waveguide. For a given waveguide and mode of propagation it can be found using the following formula:

 $\lambda c = 2/\sqrt{[(m/a)^2 + (n/b)^2]}$ 

where m and n describe the mode of propagation and "a"

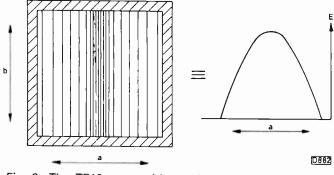


Fig. 9: The TE10 waveguide mode.

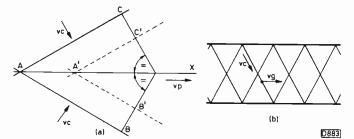


Fig. 10: Illustrating guide wavelength.

and "b" are the broad and narrow dimensions of the waveguide respectively. The critical (or cut-off) frequency Fc is given by  $Fc = 1/\lambda c$ .

Since the TE10 mode is the dominant one for rectangular waveguide the "a" and "b" dimensions are selected to support this mode and suppress higher modes (TE20, TE30, etc.).

Fig. 9 showed that the "a" dimension contains half a free-space wavelength of E field. So for the TE mode  $\lambda a < \lambda c$ ,  $\lambda c = 2a$  and  $\lambda a < 2a$ .

For the TE20 mode  $\lambda c = a$ . To suppress the TE20 mode the following conditions must exist:  $\lambda a > a$  and  $\lambda a < 2a$ . This ensures that the E field is not zero at either boundary. The boundary conditions are thus violated and the wave will not propagate.

The "b" dimension is not critical in allowing propagation but determines the waveguide's power handling capacity. It should be such that the waveguide has sufficient power handling capacity but not be too large (compared with the "a" dimension) as the TE01 mode could then be propagated.

### **Guide Wavelength**

We've already seen that at a given frequency the wavelength when transmitted in waveguide is greater than the free-space wavelength  $\lambda a$  – it's referred to as the guide

### Table 1: Details of standard waveguides

Waveguide type		limensions n.)	Frequency range for dominant mode	Breakdown power level (mW)
	а	b	(GHz)	
WG6	6.5	3.25	1.12-1.7	40.2-58
WG8	4.3	2·15	1.7-2.6	17.5-25.2
WG10	2.84	1.34	2.6-3.95	7.3-10.4
WG12	1.872	0.872	3.95-5.85	3.2-4.5
WG14	1.372	0.622	5.85-8.2	1.9-2.5
WG16	0.9	0.4	8.2-12.4	0.73-1.1
WG18	0.622	0.311	12.4-18	0.44-0.6
WG20	0.42	0.17	18-26-5	0.16-0.24
WG22	0.28	0.14	26.5-40	0.095-0.145

wavelength ( $\lambda g$ ). When a TEM wave is transmitted along a waveguide the wavelength is increased but the frequency remains constant, where wavelength is given by  $\lambda a = vc/f$  (f is the frequency and vc the velocity of light  $-3 \times 10^8$  m/sec).

To illustrate this relationship, Fig. 10(a) shows two wavefronts in a waveguide, one reflected from the top boundary and the other from the bottom. The two wavefronts have been reflected and are travelling in the directions shown, at the velocity of light, such that B and C are moving towards X. Thus the two wavefronts travel forwards parallel to themselves, intersection A moving to A'. You'll see that A-A' is greater than B-B' (or C-C').

The motion of the two wavefronts causes a resultant velocity in the direction vp. This velocity is greater than that of either of the components (AB and AC) that produced it, since the time taken for A to move to A' is equal to the time taken for B to move to B'. This suggests that the velocity in the direction of vp is greater than the velocity of light, but the laws of relativity state that any form of energy cannot be propagated at a velocity greater than that of light. The answer to this conundrum is that the waves are actually travelling along zig-zag paths at velocity vc, since they are reflected between two boundaries. Thus in a given period the waves have travelled a greater distance in their zig-zag motion than the resultant along the axis of the waveguide. The velocity in the direction vp is therefore less than the velocity of light.

The advance in the direction vp is the transfer of energy in the waveguide, as shown in Fig. 10(b). This is referred to as the group velocity vg, and is defined as follows:

$$vg = vc \times (\lambda a/\lambda g).$$

Given this relationship, and by applying basic trigonometry to Fig. 6, an expression relating the free space, guide and critical wavelengths can be derived. This is as follows:

$$1/\lambda g^2 = (1/\lambda a^2) - (1/\lambda c^2)$$

where  $\lambda a$  is the free-space wavelength,  $\lambda c$  is the critical wavelength and  $\lambda g$  is the guide wavelength.

### Coming Next Month

In Part 2 next month we'll deal with various waveguide components.

The Room a	at the	Back
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### J. LeJeune

The weather was in a capricious mood. One warm and sunny day would be followed by another of thick fog or drenching drizzle. High winds would rattle many a rooftop aerial then die away to give a cold, clear day. Shirtsleeve order at lunchtime could be followed by double anoraks and moon boots a half past five.

Sid stood in the middle of the workshop and surveyed the area with displeasure. Gareth's bench resembled a Silicon Valley explosion. Integrated circuits in various attitudes of death lay around a disembowelled microcomputer. This Grapefruit Turbo-Q machine was always wrecking large quantities of i.c.s. The power unit was to blame. Andy had been wrestling with a 3V23 that needed new cassette loading rollers. He'd dropped his watchmaker's screwdriver into it with the power switched on. Something had gone pop and restoring normal service was becoming the saga of the week. Sid's own bench was occupied for once. A brand new G8 stood upon it awaiting his pleasure. He'd get to it later. How the G8 came to be brand new was a sad tale of stock-room organisation. The incident had reflected badly on the shop manager's competence - he'd since left to join the Civil Service.

A Newsound portable cassette recorder came in from the shop. Cynthia handed it to Sid, adding that "the lady says there isn't much wrong with it and she'll call back for it later, after lunch."

"Another fine mess you've got me into" grumbled Sid as he prised the bottom off the machine and peered at the belts. "She didn't get this rubbish here, I hope."

"Said she'd bought it in Petticoat Lane on a day trip to London" said Cynthia.

The belt had gone slack. Sid wondered where in the world he could get one by lunchtime. He dug into his selection, but it was no good. Then he remembered. He went into the outhouse kitchen and put on the kettle.

The Topcut van lurched back into the rear yard, with Andy and Gareth. Sid was on the phone as they came in. The rattling kettle and steam in the outhouse indicated that a brew was on the way, so Gareth threw some teabags into the pot and poured in the boiling water. A nice hot brew was what was wanted on a day like this. But Andy's first sip produced a grimace. "Ugh, it tastes of rubber. What have you done to it?"

Sid chortled as he put the phone down. "Take a look inside the kettle and you'll see the reason why!"

Gareth disappeared and returned with the belt from the Newsound.

"You've been boiling belts again" declared Andy. Sid explained the problem, and they all agreed that it was the only thing to do. The kettle would taste of rubber for a few days, but making the tea stronger would deal with that. They'd have to tell Mrs. Know-all that it was a temporary repair, and perhaps not charge her too much. She'd either be grateful for their honesty and return to Topcut's to buy a new machine when the belt gave out again, as it was bound to do soon, or she'd take the wretched thing elsewhere.

Andy and Gareth had been out to deal with a teletext problem. It turned out to be signal trouble and had been tricky. The problem had arisen after the erection of a crane at a nearby construction site. Even after very careful alignment of the aerial, crane movement badly upset the teletext. A very disgruntled businessman on enforced rest with a bad heart was well on the way to his next attack when Andy and Gareth had arrived. Diplomacy had placated him, two freezing hours on the roof had virtually eliminated the problem, and the crane driver had agreed to leave his tower crane in a certain position when it was not in use at night. "Servicing isn't all soldering irons and spanners" Andy had told Gareth as they drove back to the store. "It's handling people as well."

"And getting pneumonia on someone's roof" added Gareth.

The afternoon brought more enlightenment in the form of a compact disc player. It was a "no fault found" item that had bounced. "Still won't skip forwards or backwards" complained the owner, "I tried my disc in it only an hour ago."

"Odd" muttered Andy to Sid, "it worked fine on our YEDS-1 disc yesterday."

Sid told the caller he'd send his best engineer to the house to take another look, and shortly afterwards despatched Andy with the YEDS-1 disc.

Gareth was inside a stereo teletext receiver and looked set for the afternoon, so Sid settled down to a Ferguson 22G3. The customer had complained of no operation and a chattering noise from inside the set. He plugged in and switched on. The customer was right. "These blasted relays" he commented, and soon had the contacts shorted across. He switched the set on again. There was a squealing noise from within, but no life other than that.

Andy returned with a broad smile on his face.

"Well" asked Sid, "what was it?"

"Nothing wrong with anything" replied Andy, "YEDS-1 plays perfectly, with all functions normal. She's only got one disc, 'The Phantom of the Opera' selection, and you can't skip tracks on it. It's only got track 1 – that's the whole of the disc!"

"Come and sort out this 22G3" snorted Sid, "I've got some paperwork to do."

The TX100 was still emitting a squeal and little else from its power supply. Andy remembered that Grundigs did similar things and began to look round with the Avo. The h.t. rail was short-circuit, or rather the line output transistor was. With a new transistor fitted the set worked normally and Andy removed Sid's modification to the relay, which didn't chatter now that the h.t. line was o.k. He switched the set off and turned to look at the G8. The picture was fluttering madly. "What's up with this museum piece then?" Andy called out to Sid.

"That's no more a museum piece than I am" retorted

Sid, "it's straight out of stock."

Norman appeared at the door. "New thyristor wanted there" he commented. "Stock fault: bung in a new BT106."

Andy looked as though he'd recalled some half-forgotten truths and walked over to the components drawers.

"Do we have any left?" asked Norman.

"We're getting low – there are only thirty left" grinned Andy.

Norman crossed to the 22G3 and, pressing in the power switch, said "must catch the hourly news". The set spluttered and the relay resumed its clattering. He disconnected the remote standby connector plug 18 and the clattering stopped. "An h.t. short" he mused, probably the line output transistor. It had gone again. This time a new silicone thermopad and spring clip were fitted with the replacement BU508A. "Best to change the pad and clip, just as we do with mica washers" he commented.

Gareth came over to look on. He was about to try the receiver again when Norman stopped him.

"We've got to change C75 in the line generator circuit from  $1\mu$ F to  $22\mu$ F first" he said, "it's often the cause of line output transistor failure".

With the small electrolytic replaced and PL18 reconnected the TX100 sprang to life.

Silence fell briefly on the workshop. Then Ralph Topcut strode through the door. He called to Sid who went out with him. Ten minutes later he returned, his face ashen and his normally assured manner badly dented.

"What's up?" asked Norman.

"Microwave ovens, that's what's up" replied Sid. "The DA boys won't do them without training and more pay, so we've got them."

"Anyone feel like retiring?" asked Gareth.

"Me for a start" replied Sid.

**Teletext Decoder Output Circuits** 

Following the low-cost teletext decoder project which appeared in the December 1986 and January 1987 issues I received a number of requests for alternative output circuits. The main requests were for output stages to drive an RGB monitor with TTL inputs, and for an output stage that provided a composite IV peak-peak PAL colour signal

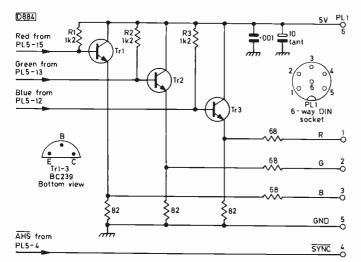


Fig. 1: Teletext RGB drive circuit.

### Peter Marlow, B.Sc., C.Eng.

at 75 $\Omega$  for distribution purposes. Figs. 1 and 2 show circuits that fulfil these requirements.

In neither case is the layout critical, though the input leads should be kept as short as possible. Both circuits can of course be used in other situations. The RGB output circuit can be driven directly from TTL logic – in this case the base bias resistors R1-3 should be omitted.

Components for the low-cost teletext decoder project – programmed 8748 microcontroller chips, TEA2000 PAL encoder chips, DL270 delay lines etc. – are still available from VIP Ltd., Charlton House, 32 Charlton Lane, Cheltenham, Gloucestershire GL53 9DX.

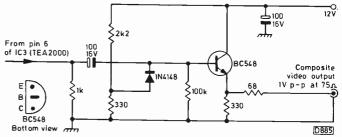


Fig. 2: Teletext composite video output circuit. Note that R16, R17, C19 and MOD1 in the original circuit can be left in place.

## Servicing Notes on the Mitsubishi HS303

Our experiences with this machine have been as follows.

Noise bars with vertical jumping or rolling: Check the f.m. envelope. If misshapen, the guide rollers are probably out of adjustment. As a check they can be moved by hand to restore the waveform. To set the guide rollers correctly, loosen the set screw then adjust with an Allen key for best waveform.

**Unstable picture with poor sound:** The guide rollers could be responsible (see above) but we have had the trouble due to a sticking back-tension lever. You may have to remove the whole deck, dismantle the back-tension lever, clean, grease the shaft very lightly and reassemble. Make sure the lever is of correct shape.

**Picture breaking up at top:** Check the back tension which should be 30g-cm. Excessive tension can ruin the video heads.

**Poor rewind:** Check the supply and take-up motors by replacement.

No rewind or reverse fast search: Could be due to a defective supply reel motor, which can be intermittently faulty. The usual cause however is the tape start sensor phototransistor Q578 (PN202S-R) – check by substitution.

Tape looping with no cue or review, poor rewind or possibly a noise bar on the screen: All these symptoms can be caused by a faulty reel motor. Check by substitution.

**Plays for a short time then cuts out:** Check the take-up reel motor by replacement. Make sure that the take-up pinion is set on the shaft correctly.

Tape breaks on rewind, noisy on play and reverse or forward search: Check whether the pinion on the take-up motor shaft has slid down or broken in two. It's best to order the part for Model HS330 as this is a complete pinion with grub screw to ensure tight fitting on the shaft, not just a tight plastic fit. The tape breaks on rewind because a loose pinion prevents the auto-slow circuit operating.

**Tape catching on eject:** Check that the loading motor is operating correctly. If the motor is in order check the brake pads on the right- and left-hand reels – adjust and set the take-up and supply brakes. Ensure that the contact surfaces are clean.

No loading: If loading fails to occur when the play button is pressed check the loading motor or, if there's slipping, check the loading belt by replacement.

No sound or intermittent sound, record picture all right: If the original sound track is still present after making a recording, remove the plugs and sockets connecting the erase head to the main board and wire direct.

**Hum on sound.** The hum may be intermittent or may become a howl. The usual cause is high-resistance contacts on the audio head switching relay K3F0. A replacement relay is best.

**Distorted or low-volume recorded sound:** If prerecorded tapes are all right, check the audio/control head assembly by replacement. If the distortion occurs a few seconds after the tape starts, check the 4066B analogue switch chip IC3F1 by replacement.

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**Sound wow:** If this is more noticeable with recorded music, usually at the beginning of an E240 tape, check the pinch roller bearing. If this is the cause of the trouble replace the pinch roller. Make sure that the capstan shaft is clean. It's possible that the capstan motor is faulty – check by replacement.

Wow and flutter with noise bands on the screen: If cleaning the pinch roller and capstan shaft fails to cure, check the capstan motor by replacement.

Slow forward and rewind speed: An E180 tape should rewind in four minutes ten seconds. If not, check whether R5K7  $(3.3k\Omega)$  has a  $6.8k\Omega$  resistor in parallel. Remove the parallel resistor – on board MC.

**Capstan speed too fast, no switch off:** If there's no waveform at pin 7 of IC4A1 (AN6341N), check this chip by replacement. If the waveform is present and correct check the 2SC2603 capstan drive transistor Q4A3 by replacement.

**Drum speed incorrect or capstan speed varies:** The symptoms are loss of line lock or sound variation respectively. Check IC4A0 (AN6350) by replacement.

**Playback picture has displaced colour, cogging, intermittently snowy:** Check for a squarewave signal at pin 25 of IC4A0 (AN6350). If missing, check back to pins 9 and 10 of IC4A6 (TC4066BP), then back to pin 7 of plug/socket VH and if necessary back to the junction of diodes D601/2 on the Y/C board.

Use a frequency counter to check that the 4·433MHz signal is present at pin 3 of IC603 (AN6342N). If crystal X601 is all right suspect trimmer VC601 (45pF). Rotate the trimmer to clean the plates (note position first). If this doesn't do the trick replace the trimmer.

**Intermittent loss of playback colour:** Check for line sync pulses at test point TP6S. If these are present check at pin 6 of IC6A0 (HA11741). Loss of line pulses here can be caused by C6E3 (150pF) going open-circuit intermittently. Check by substitution.

No recording, playback all right: Check the f.m. modulator circuitry or IC2B0 (AN6310) by replacement. If necessary check the carrier set trimmer VC2B0 (50pF) which can go high-impedance. Note its setting and rotate to clean the plates. Replacement of IC2B0 can involve the need to carry out carrier deviation adjustments.

Intermittent clock operation: C8F2  $(0.47\mu F)$  connected to pin 9 of IC8F0 can develop a variable leak.

No machine functions, clock all right, all front panel LEDs alight: Check IC500 (MC14174BCP) by replacement.

**Tuning drift:** Drift with loss of the record control pulses can be caused by misoperation of the a.f.t. circuit. Check the a.f.t. defeat transistor Q102 (2SA1115E/F). If drift is affected by picture content add a shorting link across L109 and remove C132 from the circuit.

## 405-MAC: A New Approach to Compatible HD-TV

Exciting new developments in a leading British TV laboratory can for the first time be revealed to readers of *Television*. Although only limited details have been released to date, the implications could be very interesting. For reasons of commercial security the company concerned does not wish to be named in this article.

There are two main protagonists in the HD-TV field. The Japanese have a 1,125-line, 60Hz system. This basic specification would call for a huge bandwidth, so a system called MUSE (multiple subnyquist sample encoding) is used to shoehorn the signal into a satellite TV channel. As a result, the picture quality suffers. In addition, this approach is completely non-compatible with any existing TV system.

The "50Hz countries", including all of Europe, are naturally not happy with this. 60Hz working would be difficult due to flicker caused by 50Hz lighting, while conversion to existing standards would be difficult. With memories of the 405-625 change still fresh, a number of European countries have got together to develop a *compatible* system. Euromoney has gone into the Eureka consortium, which aims to have a 625-line, 50Hz system ready for 1990 when the CCIR has to make the final decisions.

The joker in the pack is 405-MAC. Based on sound historical principles, the aim is to transmit a very high quality picture in a relatively narrow channel. It's well known that if you transmit fewer lines you need less bandwidth for the same horizontal resolution. The old 405-line system with its 3MHz bandwidth is as good on horizontal resolution as 625 lines with a bandwidth of 5MHz.

The sceptics will say "but it's only 405, with all the lines showing and a horrible loud whistle". Things have changed a bit since the original 405-line system was invented however. To understand why 405-MAC works you need to look at the Eureka 625 proposals.

First, colour. For DBS use all major European broadcasters intend to use one or other of the MAC (multiplexed analogue components) variants. The MAC system, developed by IBA engineers, has been described before in *Television*, so I'll give only a very brief account of what's involved. Each line of luminance is compressed in time to about two-thirds of its original length and occupies the last  $40\mu$ sec of the transmitted line. The two colour-difference signals are compressed by a ratio of about 3:1 and are transmitted during the initial part of the line – on alternate lines. This completely avoids cross-colour effects (the lurid patterning that occurs with stripped jackets etc.) since the luminance and colour signal components are never mixed.

The really important point however is that we no longer need to use the same line standard in the camera, for transmission and display. Even now we can improve existing PAL pictures by digitally converting to 1,250 lines for the display. At the same time we can remove the interlacing. This gives a very peaceful picture, free of 25Hz flicker effects. The use of large-scale integrated circuits makes this economic in a TV receiver.

These ideas, along with many other detail improvements, are leading the Eureka team to a *compatible family* 

### Jeffrey D. Borin, B.Sc. (Eng.), ACGI, AMIEE

of high-quality systems based on 625-MAC. A typical arrangement might start with a programme originated in 1,250-line format, then processed to squeeze it into a 625-line channel and finally converted back to 1,250 lines at the receiver. The result is designed to be fitted into a standard satellite TV channel but not existing terrestrial channels.

The 405-line system was invented by EMI in the early 1930s. The crude cameras and receivers of the period meant that its full quality couldn't at the time be exploited, but brilliant members of the team that developed the system, like Alan Blumlein, were thinking of ways of making the system better. Spot wobble could be used to conceal the line structure – just after the war synchronous spot wobble held out the promise of 819-line quality via 405-line channels. It was hoped that this would justify the British decision to stay with 405 lines while the rest of Europe (except France) was proposing to adopt 625 lines. France, being French and thus different, chose 819 lines and created the world's first really high-definition system.

The UK stayed with 405 lines and the rest is history. Or is it? The 405-line service closed over two years ago but is not forgotten. Apart from a band of vintage TV enthusiasts, one leading British laboratory retained an interest in it. After all, if EMI had the ideas over forty years ago why have they now largely been forgotten? How many times have you congratulated yourself on developing some new circuit only to hear someone say "but Blumlein invented that in 1932!".

The 405-line NTSC experiments in the 1950s never really came to anything. But the new idea is to take MAC and other modern trickery and apply it to 405 lines. Brilliant! If you do the tedious sums you discover that a 405-MAC picture fits into an ordinary 8MHz terrestrial TV channel. It has better horizontal resolution than current 625-line systems because this comes more easily with fewer lines. To make the lines disappear we use large-scale chips to double the line count to 810 (suspiciously close to the French 819) or even triple it to 1,215 for a really super display. Even basic 405 lines don't look bad on a good set with accurate interlacing. Bad interlacing used to plague older sets and that gave 405-lines a bad name. Raising the line number also conveniently avoids the line whistle. The RSPCA can worry about all this annoying the dogs. With these improvements we can produce a good picture even on the large, flat screens of the future.

This may sound like a confidence trick. You can't get 1,215 lines worth of picture from 405 lines. Strictly speaking that's correct. But it ignores the very bad value for money we get from our lines these days. The Kell factor, named after Ray Kell, a leading American researcher of the 1930s, is about 0.6 for the present system. This means that our 625 lines give us only 400 lines of real resolution. We can improve the Kell factor at the receiver by deinterlacing the picture and increasing the number of lines. But the big improvements are at the studio end.

Imagine an 810-line (or even 1,215-line) camera without interlacing. This has a really good Kell factor. All recording and processing are done at 810 or 1,215 lines to preserve quality. One day when wider channels may become available we may be able to transmit this full signal. For now we have to convert it down to fit a 405-line channel – a little quality is lost, especially with moving objects. The down-converter is at the transmitter and can thus be quite complex and expensive so that a good job is done. It also produces a DATV (digitally assisted TV) signal. This latter contribution was invented by BBC engineers, and is transmitted during spare parts of the TV waveform. The DATV signal tells the receiver how to convert the signal back to 810 lines in the best possible way. The receiver is told which bits of the picture are moving, and in what direction. This allows fairly simple circuits at the receiver to perform a really first class conversion from 405 to 810 lines.

It's not quite as good as 810 lines all the way from the

## **Practical Computer Programming**

### Part 4

Last month we discussed various computer languages and the features, such as control structures, they have in common. We'll now look at their suitability for the various tasks likely to be required by readers of *Television*.

In a small business a computer will probably be used for more than one purpose. These jobs are termed applications. Most of them fall into the categories of data base, word processing or spreadsheets.

### **Data Base Applications**

A data base application can be thought of as a job that does the same as keeping a card index manually. The subject has been covered in some depth by Chas E. Miller in recent issues. Briefly, a data base is a two-dimensional file, with "records" as one dimension, corresponding with the cards, and "fields" in the other, corresponding with the lines on the cards. For example, you could have a data base of customers' names and addresses: each record would be a customer while the fields would be their names and addresses. A third dimension could be added by having several data bases linked in some way. We will elaborate on this in a future article, as it comes into the realms of system design.

The obvious choice for a data base management system is one of the dBase series from Ashton-Tate – we are up to dBase III plus at the moment, and dBase IV is rumoured. These packages are rather expensive and will only run on a machine with 128K or so of RAM and an operating system such as CP/M or MS/PC-DOS. There's nothing to stop anyone from using a general purpose computer language to write a data base program – Basic, C and Pascal are all suitable. There are several budget-priced packages on the market for the smaller business however.

### Word Processing

It's hardly worth writing your own software for word processing – there are many excellent packages on the market. WordStar by MicroPro is virtually the industry standard, and there are things like Tasword in the lower-price range. The latter is an excellent product. Most word processors have add-ons such as spelling checkers and mailmerge facilities.

Mailmerge works as follows. You set up a file of names, addresses and any other data that's different for each letter. It's then necessary to type the letter in only once, with some sort of instructions to the program on where the variables should be printed – these vary with different word studio to the domestic TV receiver, but demonstrations I've seen show that very little is lost.

The big question has to be answered by the CCIR in 1990. Will 405-MAC make it as the system of the future? Despite its obvious advantages, its chances are not good. Not many 405-line sets remain to take advantage of the compatibility. Powerful political and economic interests are backing the two main HD-TV contenders. It will probably end up as another great British invention consigned to the scrapheap. If we'd stuck to 405 lines, the French to 819, and we'd persuaded the rest of Europe to accept our lead, perhaps the UK would have been left with more than just a pale shadow of its TV industry.

### Mike Phelan

processors. When the program is run the variables are inserted in each letter, the letters being printed out until the supply of data is exhausted.

Spelling checkers vary in their degree of sophistication but most allow the user to add words to the dictionary or to use different dictionaries. When the program encounters a word that's not in the dictionary the user can do various things, typically ignore the fact, correct the word as suggested, add it to the dictionary, correct globally, show multiple suggestions, etc.

### **Spreadsheets**

Spreadsheets are probably not used as much as the other types of software. They are primarily used for financial jobs such as producing budgets and accounts, and consist of an on-screen matrix of "cells" into which can be entered numbers, letters or formulae, which can be quite complex. The whole thing can recalculate after any value is changed, so that you can do things like seeing what would happen to your profits if you charged ten per cent more on all VCR service calls requiring collection, to give a simple example.

The same factors apply to spreadsheets as to word processors. It's hardly worthwhile writing your own unless you really want to. Packages come in a wide range of prices, with products like Lotus 123 at the top end. Even more expensive are financial modelling packages that enable you to write an application which can be used by anyone. They are like a spreadsheet backed by a powerful high-level programming language, and can move data between files, consolidate it, etc. For a medium-sized business one of the best of these is MasterModeller, which is produced in this country by Planning Sciences Ltd.

If these are all way beyond your needs you can fairly easily write a simple spreadsheet in Basic, using its array handling facilities. C would be even better and faster, but a basic compiler is a worthwhile investment if much programming in Basic is undertaken.

### **Esoteric Languages**

More esoteric languages such as Forth are for the enthusiast and, as such, worth learning. Forth is compact and fast. It relies on a "dictionary" of commands which execute machine code routines. New works are defined in terms of existing ones, as we've mentioned before.

Next month we'll talk about planning a typical data base application and how to approach the problem of system design in a typical case.

## A Low-cost TVRO Installation

### Part 2

Last month we described an inexpensive method of providing a 90cm patio mounted dish system with azimuth adjustment. I'd intended to continue this month with a description of the arrangement devised to provide handoperated elevation adjustment – using a handle! Unfortunately the handle suppliers took their time in coming up with one, so this aspect of the installation will have to wait until next month. Meanwhile a simple way of improving weak signal reception has been adopted.

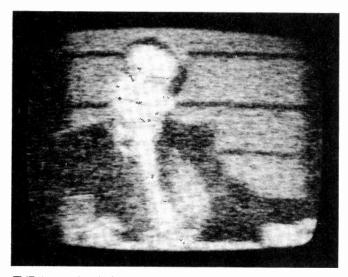
### **IF Bandpass Characteristics**

The receiver selected for the installation is one of the cheapest and most basic. It thus has the minimum number of controls, incorporating only the essential features. Fortunately access to the i.f. strip is readily achieved via a convenient i.f. break-out loop at the rear of the receiver – a feature that's common to the majority of imported satellite TV receivers. The 70MHz i.f. in/out F-type sockets are intended for use with a descrambler, but provide a handy point for inserting a bandpass filter to reduce the original very wide bandpass characteristic of the i.f. strip.

The receiver's non-adjustable i.f. bandwidth, of the order of 36MHz, is intended for full transponder operation. As experienced DX-TVers will know however trading bandwidth against the noise present with a weak signal pays dividends. We can in this way obtain improved visual clarity with reduced noise (sparklies).

Some transponder downlinks, in particular those used for TV link operations, EBU news links, etc., use only a half transponder bandwidth. If such a signal is received with a full i.f. bandpass characteristic the level of noise will be very high.

The best way of improving reception under such conditions is to incorporate a means of switching between the receiver's basic wide i.f. bandwidth and a narrow bandwidth of say 16-18MHz. This will still leave a wideband demodulator sitting at the end of the i.f. strip, but nevertheless a relatively simple switched filter will enable us to achieve a considerable enhancement of picture



TVE-1 received from the ECS-4 satellite at 10°E, with incorrect polarisation to give the effect of a very weak signal. Full i.f. bandwidth used.

**Roger Bunney** 

quality and resolution.

John Standen of North East Satellite Systems kindly sent me a photocopy of a circuit that originally appeared some years ago in the Tay Howard *Howard Terminal Manual*. The circuit later appeared in Steve Birkill's *STTI's International Satellite Television Reception Guidebook*. It's a basic but effective series of tuned circuits comprising both bandpass and band-stop filters. Figs. 1 and 2 show the circuit and a simple means of switching the circuit in or out of operation, the latter via a simple bypass. The component values have been revised to suit v.h.f. coils available in the UK.

### Construction

Construction is simple. For ease of connection I decided to etch a crude PCB, soldering the coils, standing on their own leadout wires, directly to the copper areas on the laminate. All the components can be obtained by mail order from Maplin. Similar Toko coils are available from Cirkit. If ordering from Cirkit, note that these coils are ferrite, not aluminium, cored.

Table 1 suggests frequencies to which to tune each coil. These differ slightly from the original design recommendations since I decided to tune the notch frequencies 2.5MHz closer to the 70MHz bandwidth centre frequency. This was found to work well, giving a useful improvement with current downlinks with no loss of audio.

### Alignment and Setting up

I don't have any advanced alignment equipment – a wobbulator or anything like that. Alignment was carried out using an ancient Advance Components Ltd. valved signal generator and a TES field strength meter that covers Band I through to above Band II. The procedure was simply to inject the suggested frequencies and tune for maximum (pass) or minimum (notch) as indicated by the meter. Perhaps not the correct City and Guilds way, but it worked satisfactorily.



The same signal, again received with incorrect feedhorn polarisation, but this time with the narrow bandwidth i.f. filter in circuit. Note greatly improved resolution.

#### Table 1: Alignment frequencies

Bandpass	coils	Notch co	oils
L1	76MHz	L3	85.5MHz
L2 L4	70MHz 64MHz	L5	54·5MHz
L4	U-HIVIE IZ		

Note: L3 can be tuned down to 82MHz, L5 up to 58MHz.

I intend to devise a filter system giving selection of two reduced bandwidths. Details will be given in a later issue.

The filter is fitted across the 70MHz i.f. in/out access sockets. The use of US domestic F-type plugs is unfortunate: other than a BNC-to-F plug adaptor, F-type accessories seem to be available only from satellite dealers who charge rather high prices. I've opted to use the BNC-to-F adaptor with BNC connectors. If you've friends in the USA you could ask them to obtain F plugs from the Radio Shack group – F plugs are standard in the USA. The back-to-back male F adaptor costs anything up to £5.95 in the UK but the US Radio Shack retail price is \$1.39!

After fitting the filter across the F access points at the rear of the receiver, switch to the bypass position and tune in a weak signal. Switching the filter in should then result in a dramatic improvement. If it doesn't, there's a fault! The accompanying photographs show the results obtained with a TVE (Spain) signal via the ECS satellite at 10°E with the feedhorn assembly horizontal (the TVE signal is vertically polarised). The weak signal obtained with incorrect polarisation lifts out of the noise well – it's not unlike using a larger dish.

If you tune off signal to noise you'll find that there's a decrease in the noise when the filter is in circuit compared to the bypass position. The filter introduces a 3dB insertion loss and, with the bandpass limitation, so the noise decreases. With a stronger signal such as CNN etc. you'll

Components									
The following can be obtained from Maplin:									
C1, 4, 7, 8 C2 C3, 5, 6	22pF 18pF 33pF								
The above are 100V working metallised ceramic plate capacitors, WX series.									
L1Blue, 6.5 turns, type UF67XL2, 4, 5White, 8.5 turns, type UF69AL3Green, 5.5 turns, type UF66W									
The above are Toko moulded r.f. coils, UF series. Filter switch: 2-pole 2-way sub-miniature/miniature slide type. See page 443 of the Maplin 1988 catalogue for a suitable switch.									
The original Tay H follows:	oward compo	onent v	alues are as						
C1, 4, 7, 8 C2 C3 C5 C6	22pF 10pF 33pF 18pF 27pF	L1 L2 L3 L4 L5	6·5 turns 12·5 turns 5·5 turns 9·5 turns 9·5 turns						
Coils are quarter i core.	inch diamete	r close-	wound with						

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DECCA:         1210, 1211, 1511         1           1700, 2001, 2020, 2401, 2404         CS1730, 1733, 1830, 1835         9           30, 70, 80, 90, 100         90         100	3.50         PYE:         169,         173,         569,         368         9.20           1.50         CT200,         CT200/1,         CT213         10.35           9.20         725-731,         735,         737,         741         9.78           9.20         320 series         9.20         320 series         9.78           9.4.         TX,         T8,         TX2,         TX3 mono
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find that when the sparklies come up on a wet day switching the filter in will clean up the picture. For those longer-haul signals via the satellites at 27°W and 60°E the filter should be very useful.

For the record, the prototype had a measured insertion loss of 3dB and produced a flat response  $\pm 6$ MHz of 70MHz. The h.f. roll-off was as follows: 80MHz -12dB, 82MHz -27dB, 84MHz -38dB, 86MHz -38dB, 90MHz -37dB. A similar characteristic was found to the l.f. side of 70MHz.

#### Cost

The total cost of all new components will give you change from  $\pounds 3$  if you have your own board and connectors.

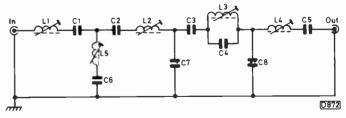


Fig. 1: The Tay Howard filter circuit.

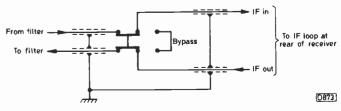


Fig. 2: Filter in/out switching arrangement adopted.

# **Detecting Licence Dodgers**

Most TV receiver users pay their annual licence fee conscientiously if not eagerly. BBC programmes are paid for entirely out of licence revenue and the profits made by selling programmes and video tapes, so it's essential that the licence income is maintained. Some may not care for the material offered to them, but the viewing figures seem to indicate that the majority find it acceptable.

Some viewers baulk when licence renewal time comes around and simply don't renew. They may consider the programme standards to be a valid excuse, or be honest and say they are just short of cash. So renewal is put off. Others are more blatant, perhaps acquiring a cheap set second-hand and feeling it to be an imposition to have to pay more for a licence than the set cost. The set owner may feel that because he never watches BBC it's not fair to have to pay for a licence. But the fact is that if you operate a "TV receiving station" you are legally obliged to have a valid licence.

The number of those who fail to obtain or renew a licence is large enough to cause a sizeable loss of revenue. If this could be avoided perhaps programmes could be improved – or the fee for the rest of us reduced.

To reduce the loss detector vans are employed to locate non-licence TV receiver users and scare others into coughing up promptly. It appears that the cost of operating these vans is more than recouped by the fees recovered. How do they work, and what are their limitations?

#### **How Detection Works**

Older readers will recall the effect that the line timebase whistle from a 405-line receiver had on a nearby a.m. radio tuned to the long-wave band. This is probably the cause of the common misconception that detector vans operate by picking up line timebase radiation. They don't: they detect the radiation from the tuner's local oscillator.

Setmakers try to keep this radiation to a minimum to avoid interference with other receivers and equipment, and indeed the oscillator appears to be effectively screened within the tuner's case. In addition, some sets have foil-lined cabinets. So direct radiation would appear to be negligible, any that does get out being radiated via the aerial. Again this is not so – the detector vans can determine not only which house has a working TV receiver, but the room in which the set is being used. Direct radiation from a set is the source on which detection is based.

The range of the detectors is fifty yards with a narrow polar response, twelve yards with a broader one. The range can be switched in order to determine distance from source. This is of value when, for example, investigating back-to-back terrace houses: the longer range may pick up a receiver in the house behind the one being investigated, so the shorter range is then used, despite the fact that its broader beamwidth makes it less precise.

The van operator selects oscillator frequencies manually, a digital readout showing the frequency to which the detector is tuned. Another circuit constantly scans the spectrum: if it detects radiation, it overrides the manual setting and displays the result. So unlicenced viewers cannot escape detection by tuning to a fringe station not normally received in the locality – or by realigning their oscillator and i.f.s to a non-standard frequency!

Display within the van is by means of an oscilloscope screen on which the radiation is shown as a narrow, flat-topped peak rising from a floor of noise. This can be stored for later display, along with marker blips to identify the precise location.

The equipment cannot detect whether a set is licensed – such a facility would no doubt be most welcome!

#### **A Detection Run**

A detection run starts with a list, from the licensing centre, of all the houses in a given area with no record of holding a current licence. Choosing a peak viewing time, the van then coasts down the street at about ten miles per hour. The detector aerials on its roof are aligned sideways so that they scan each house as it's passed. The premises are also visually scanned. A key is pressed, putting a marker blip on the stored trace, as each window, door and end-of-house boundary is passed. Thus trace examination after the van has reached the end of the road will show the locations of all detected radiation. Should radiation be located at an address which does not appear to be licensed a call is made. We'll draw a veil over subsequent events.

#### Flats

Where there may be separate flats the detector aerials can be angled to scan the first floor, though not all vans are equipped to do this. High-rise flats cannot be dealt with by means of radiation detection. If the records show that more than five per cent of the residents of a block don't have current licences they are called on, though there's no means of catching anyone red-handed in these circumstances.

One might have thought that portable, low-range equipment operated outside the front door of each suspected flat would have been a viable possibility. But detection measures have to result in a net cash gain: the equipment plus the extra man hours required for on-foot flat scans would probably make this approach unprofitable. A block with less than five per cent of unlicenced residents is ignored.

#### VCRs

Video recorders must be licensed unless the owner already has a current licence for his TV receiver. The reason for this is that the most common use for VCRs is to record programmes off-air for subsequent viewing. The position is less clear when a VCR is used solely with a video camera: if it doesn't have a tuner it can't radiate so it couldn't be detected anyway.

A VCR that's capable of playback only doesn't need a licence as it would be used only with prerecorded tapes. In this case the set used for display purposes must be a monitor type without r.f. circuits, otherwise it would be licensable. For selective and infrequent viewers this seems to be a reasonable option – quite a number of cassettes could be hired for the cost of the licence.

So, if you object to or cannot afford to pay for a TV licence your options are: (a) buy a playback only VCR and hire tapes; (b) live in a house that's more than fifty yards

# A Different Life

#### Les Lawry-Johns

I made this astounding discovery the other night. H.B. often claims to see things that I don't, and has often said that an old chap prowls around in the cellar where the living quarters were years ago. I dismissed this as imagination until our next door neighbour Irene told me that an old chap kept coming into their downstairs living quarters. She described him exactly as H.B. had done and told me she'd asked her husband Vic to put up a wooden screen to stop him coming through the wall that separates our shops. If a wall won't stop him, why should a fence? . . . H.B. also says she often sees an old girl in our lounge, constantly rocking to and fro in a rocking chair. I've not seen her either.

Last Sunday evening we were sitting looking at TV with the electric fire on. Tessa was sitting in front of it. She suddenly leapt to her feet and started to bark at the fire. "She's daft" I said.

"No, she's barking at Trog" said H.B.

You may remember our black female cat Trog who was run over ten years ago – we now have Spock, who pokes her nose into everything.

"Trog's been dead for ten years" I pointed out.

"Yes but she was sitting by the fire until Tessa frightened her away."

I must say that I don't get this. Women and female dogs see things that we don't. Zeb didn't see anything either. I'm not stupid: it's just that females are different I suppose. I thought maybe it's my empty head, which has been funny for some time but is now improving thanks to the vitamin E Mr. Hurran recommended. It takes time though, and I'm still not working properly.

#### The Philips K35

Take for example the 26in. Philips K35 that came in yesterday. For a while it nearly turned me barmy – when you tuned it in it would go slightly off tune and spoil the picture. When you tune it in you have to open the front flap, which disconnects the a.f.c., so I discounted a.f.c. trouble. I eventually found that the switch was faulty and realigned the a.f.c. coil cores (U157 and U158). The picture then tuned in correctly. Alignment isn't easy as the tuner is too near the a.f.c. coils.

At last we had all channels right and I was satisfied. Terry came to collect it and his wife phoned today to say that although TV reception was o.k. they couldn't get the set to accept the video channel. Oh dear, what a tangled web we weave.

#### A Ferguson TX9

I was also driven up the wall by a TX9 – one of the ones with a thyristor power supply (PC1040 main panel). It had a good picture except for two well-spaced horizontal lines that revolved slowly. I bridged the electrolytics in the field from the road; (c) live in a high-rise block where almost everyone else has a licence; (d) construct a t.r.f. receiver (at u.h.f.!); (e) give up viewing!

timebase chip's supply then fitted a new TDA1170 chip. The result of this was a constantly revolving picture, so I looked for the field hold preset. There isn't one. Of course, it should be a TDA1170S which works with close-tolerance components in the field oscillator department. With the correct chip fitted we were back to a good picture with slowly rotating horizontal white lines.

I then turned to the power supply and checked the electrolytics in this section of the set. They all proclaimed their innocence. At this point the test electrolytic came adrift and shorted to a point lower down. There was a flash and the 1.6AT mains fuse failed. I stuck in another which blew straight away at switch on. After much testing I found that the crowbar trip thyristor CSR2 was short-circuit. So I left this out while I continued to make tests.

The fuse now held and the picture, with the lines, returned as before. I found that the only way I could get rid of the lines was to shunt the power supply efficiency diode D77 with a  $470\mu$ F, 250V electrolytic. This left slight dotted lines that were difficult to see. I was aware that I'd missed something, but for the life of me I couldn't find the real cause of the fault.

I fitted a new crowbar thyristor and wrapped the job up with the extra  $470\mu$ F electrolytic securely fitted inside the cabinet. This made me feel guilty, but there haven't been any complaints.

#### Another TX9

I'd just got rid of the TX9 when another one arrived, this time with a cracked panel that needed many leads fitted to restore normal working. This was done quite quickly. The owner collected it and was grateful to see the really good picture it displayed. It came back in a matter of hours with a very grainy picture.

"I'm not paying out any more on the thing" grunted the owner.

So I checked it over and came to the conclusion that the tuner was at fault. As the owner didn't want to pay for a new one I pulled off the side screen and the picture came up as good as new. It remained like this for some considerable time, then the owner came and carted the set away again.

It's a fact that removal of one side or the other will often restore normal reception and save replacement of the tuner – except in areas of high signal strength of course.

This left me a bit fed up with early TX9s. The TX10 seems to be a lot better – except for the focus control of course. Mind you they can be naughty at times, and I'll probably be eating these words within a week or two.

#### The ITT CVC1120

Phil tells me that I must mention the ITT CVC1120 that came in last Saturday. My memory of this is very hazy and in fact I left it to Phil to tackle. The trouble was that the 1A fuse in the power supply kept blowing. Because the owner was an attractive young lady with large, er . . . eyes, Phil was eager to please her. To cut a long story short, he traced the trouble to the  $10\mu$ F filter capacitor C701 which was short-circuit. Well done Phil. I won't tell Sara about the young lady with the . . . eyes.

That's all for now. See you next month.

# All About Bar Codes

Nowadays we tend to specialise. So when you've a competent wife whose "pre-calculator" years in an Accounts Department enable her to approach the super-market checkout tendering the exact amount for the goods in her trolley you leave the shopping to her. In consequence the use of bar code scanners at some checkouts (no doubt to counteract such ladies who can add better than the till/operator . . .) has up to now gone unnoticed by yours truly. Until now.

With the introduction of a range of Panasonic VCRs that use bar code scanning it's time to sit up and take an active interest. The general principle is blindingly simple: the code is scanned by a light pen with a built-in photosensor, the pulses produced by the latter being processed to provide the desired instruction, description or whatever. It's only when you look at the decimal translation of the bars, which you can see on most packaged foods etc., that you get to wonder how such a long number can be read off so few bars.

#### Codes

There are many different codes. Pass a bag of sugar through the out terminal at the library and the reader will go sick on you. The converse also applies. Supermarket produce uses the EAN (European article numbering) code, which can have eight decimal digits but is more commonly in thirteen digit form. These are normally printed conventionally beneath the bar code – those intended for UK use begin with "50". EAN is too complicated a system for us to go into here, but its application means that few people need to know how it works as opposed to how it's used. The code used at the library is generally more straightforward. It needs to be, since membership cards may be produced locally. It's very similar to Telepen, the code some of you may already use with your microcomputer.

#### Code used by Panasonic

Fortunately the easiest code to understand is also the one that interests us most. It's called "interleaved two of five", and is used by many current Panasonic VCRs. The code embodies all the basic principles of the more complex systems and its title tells you all. Each "message" consists of

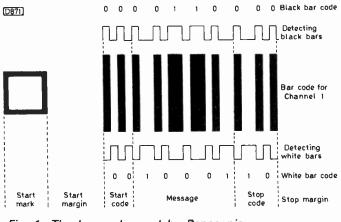


Fig. 1: The bar code used by Panasonic.

#### Harold Peters

two interleaved sets of five bits. The black parts represent one set of bits, the white parts the other set. The two are handled simultaneously and are sandwiched between a start code and an end code. Intrigued? Let's go into detail.

Have a look at Fig. 1, the code for channel one with timer on. It consists of ten black bars with nine white ones in between. At either side of the bars there are areas of plain white paper: these are the start and stop margins respectively. To the left of the start margin there's a box at which the scanner is pointed before you start scanning: it ensures that the scanner gets up to a steady speed by the time it reaches the code. Things will become clearer if, to appreciate the theory, we take the scanner through the code slowly to see what it detects.

#### How it's Decoded

Taking the black bars first, the narrow ones produce a binary zero and the wide ones a binary one. The gaps in between are of no consequence until we come to detection of the white bars. The principle with the latter is the same, but the message will be entirely different. Laid out in easy to see form it looks like this:

Black:	0	(	0	0		0		1		1		0		0	0	(	)
White:		0	0		1		0		0		0		1	1		0	
		St	art	t			Message						Sto	эp			

The start code, a succession of two black and two white zeros, is the same at the start of every message and serves a similar purpose to the teletext clock run-in. The five bit message section of the code represents any number from 00 to 99. The black bits represent tens and the white bits ones, and these have to be decoded – Table 1 gives the conversion. Thus the black bits in the above message, 00110, represent zero while the white bits, 10001, represent one. So when converted the message tells us one. One what? The stop code is used to indicate the nature of the message, i.e. channel, date, on time, off time, and is read sequentially. In the above case the stop code reads 01000 which means channel – and timer on. So much for the bar code itself, now let's look at the hardware.

#### Hardware

The scanner comes with a programming card that's coded with all channels, dates, on and off times. Scanning the card in the correct sequence produces short recognition bleeps per item from the scanner and a succession of bleeps when a complete booking (channel required, date, on and off times) has been scanned. The times are given to the nearest half hour, with an extra column of discrete minutes for in-between times. Once the scanner has recorded a complete booking this can be transferred to the VCR by



Fig. 2: A complete booking. See text.

Table	1:	Decoding t	he	interleaved	two	of	five
		bar co	de	message.			

Message	Means
00110	0
10001	1
01001	2
11000	3
00101	4
10100	5
01100	6
00011	7
10010	8
01010	9

pointing the blunt end of the scanner at the machine and pressing the transmit button.

#### Programming the VCR

To accept a booking the machine must be in either the timer mode (clock logo lit) or "on" but not running. Its display should be showing the actual time. On transfer the VCR displays the channel, date, on and off times of the booking for eight seconds (timer mode) or twenty seconds (on but not running). It bleeps cheerfully in recognition of a correct transfer but gives a woeful slow bleep if for some reason the transfer is not accepted. At the end the machine goes to the timer mode, with the cell number(s) of the booking held also displayed.

Bookings can be checked by scanning the "check" bar code and transmitting this to the VCR. You can cancel by scanning "check", displaying the unwanted booking, scanning "cancel" and transmitting that. You get only eight seconds in which to do this, but the writer managed it with three seconds in hand – and he's left-handed! "Cancel" should also be used to erase any bookings retained in the scanner.

In case you forget to turn the scanner off, it mutes itself after twenty seconds of idleness. Bookings can also be made from the normal remote control handset by conventional means. These start with low cell numbers as opposed to the scanner which starts at cell seven and works backwards. The four separate codes can be lumped together into one message with a single start code.

The aim is to have the appropriate codes published in the official programme magazines, alongside the programmes concerned, so that the user can quickly scan and book what he wants to record during the coming week. This will have to wait until agreement between the various parties concerned has been reached. Until then, if you have a



Fig. 3: An EAN code. The first two decimal digits (50) indicate a UK item. The final decimal digit (1) is the check sum derived from the other twelve.

scanner, you can try the programme shown in Fig. 2. It should give you channel 12, day 25, on 19.30, off 21.00. If you do try it out, cancel it afterwards to avoid being surprised at the end of the month!

#### The Scanner

The scanner itself contains an infra-red transmitter, a large microcomputer chip, a quad operational amplifier chip, four RO3 batteries and a combined send/receive optosensor. Sensors are graded for gain and set at an average figure by selecting the value of RO9, the feedback resistor used in one of the operational amplifier chip's sections. Poor sensitivity in use is usually due to fluff at the business end of the scanner – if it hasn't been mislaid, use the little cleaning brush that comes with the instrument.

#### A Puzzle

If you like puzzles and are keen to try, you might like to attempt to crack the code on the cornflake packet, working back from the printed decimal answer. Personally, I wouldn't know where to begin. Look at a thirteen number EAN code (see Fig. 3 for example). The start code appears not only at each end but in the middle too. The left-hand message "field" can comprise either of two code patterns and the right-hand field yet a third. The thirteenth decimal figure is the check sum of the others, and is produced by adding all six even digits, multiplying by three and adding the result to the sum of the first six odd digits. That answer is taken from ten and the remainder is the check sum – digit thirteen.

#### Telepen

The Telepen home computer system isn't much better. Each frame is a reversed binary number which is turned around, the parity bit removed, and is then given a hexadecimal value. From this is derived a decimal code which translates to an ASCII letter.

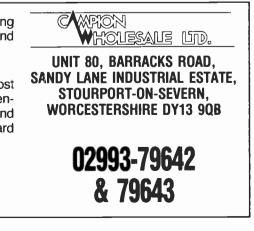
So now you know why I still leave the shopping with absolute confidence to my wife, who in turn still patronises checkouts as yet unaffected by such inhumanities.



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16039	0.79 2	SA950	2.14 0.72	2SC537	0.54	AF186	0.53	BA841A	28.98	BC636	0.28	BDY81	1.05	BFY90	0.61	BYY56	1.20
16181 16182		SA951 SA966-Y	1.75 1.16	2SC605L 2SC620	1.16 0.95	AF239 AF279	0.43 0.88	BA843 BA854	3.96 5.76	BC637 BC639	0.24 0.20	BF115 BF117	0.40 0.66	BLY49 BR100	2.20 0.29	BZY93C30 BZY88 RANGE	1.86 0.10
16334 16335		SA999 SB774	1.36 1.15	2SC643A 2SC668	1.54 0.67	AL113 AN115	1.36 3.98	BAV18 BAV19	0.21 0.11	BC640 BC879	0.24 0.49	BF118 BF121	0.67 0.25	BR101 BR103	0.65 0.55	BZX61 RANGE BZX79 RANGE	0.18 0.10
16446	0.98 2	SB185	1.13	2SC681	4.40	AN155	1.89	BAV20 BAV21	0.35 0.12	BC880 BCX34	0.31 0.18	BF123 BF127	0.21 0.13	BR303	1.15	C106D C106M	0.46
16600 16802	1.27 2	SB375 SB400	3.87 0.40	2SC682 2SC684	1.88 1.65	AN206 AN208	3.55	BAW62 BAX12	0.11 0.48	BCY70 BCY71	0.30 0.21	BF137 BF153	0.29 0.58	BRC116 BRC300	0.67 2.01	C1129	0.76 0.58
17052 17053		SB405 SB449B	1.03 6.98	2SC693 2SC710	0.63 0.69	AN210 AN211	2.28 3.25	BAX13 BAX16	0.11 0.11	BCY72 BD115	0.20 0.34	BF154 BF157	0.26 0.33	BRC5296 BRC6109	0. <b>77</b> 0.83	CA3046 CA3089	1.55 0.83
17074 17089		SB511 SB54	2.50 1.39	2SC711A 2SC717	0.50 1.28	AN2140 AN234	2.40 5.92	BC107 BC107A	0.13 0.11	BD116 BD124	0.70 1.31	BF158 BF159	0.18 0.18	BRC82 BRC83	1.08 2.19	CA3090A0 CA3094	3.25 2.20
17127 17376	2.50 2	SB546 SB56	0.56 2.80	2SC734 2SC761-Y	1.43 0.95	AN236 AN239	3.78 4.68	BC107B BC108	0.18	BD124P+KIT BD131	0.69 0.57	BF160 BF167	0.31 0.38	BRC84 BRX44	2,08 0.60	CA3131EM CBF16848N-071	2.95 1.56
1N4001	0.04 2	SB618A SB631	2.22 1.45	2SC783 2SC790Y	3.98 1.85	AN240P AN241	1.25	BC108B BC109	0.15 0.12	BD132 BD133	0.20 0.53	BF173 BF177	0.34 0.35	BRX49 BRY39	0.67	CD4001 CD4002	0.34 0.27
1N4002 1N4003	0.06 2	SB643 SB669	0.80 3.67	2SC828 2SC867A	0.28	AN245	4.49	BC109B BC109C	0.15 0.12	BD135 BD136	0.36	BF178 BF179	0.40 0.36	BSS38	0.87	CD4008 CD4011	1.35 0.29
1N4004 1N4005	0.05 2	SB681 SB695	3.96 1.98	2SC876 2SC930	0.96	AN253 AN260	1.80 3.85	BC113 BC119	0.14	BD137 BD138	0.26	BF180 BF181	0.36	BSTB0140G BSTC0246	5.25 6.99	CD4012 CD4013	0.24 0.33
1N4006 1N4007	0.08 2	SB75 SB774	1.04 0.65	2SC935 2SC936	4.13 8.66	AN262 AN272	1.20 8.25	BC126 BC132	0.23	BD139 BD140	0.28 0.29	BF182 BF183	0.34	BSTC0233 BSTCC0143	7.25 3.07	CD4016 CD4017	0.46 0.82
1N4148 1N4448	0.03 2	SB819 SC1034	1.13 6.75	2SC940 2SD1128	4.68 2.90	AN295 AN301	5.52 2.45	BC135 BC137	0.14	BD144 BD150	1.70	BF184 BF185	0.43	BSTD1043 BSV57B	2.85 3.49	CD4020 CD4021	1.23
1N5401	0.14 2	SC1050 SC1096	5.06 1.16	2SD1138 2SD1273	0.94	AN302 AN303	3.99 4.39	BC138 BC139	0.34	BD157 BD160	0.67 1.60	BF194 BF195	0.14	BSW68 BSX19	0.60	CD4023 CD4025	0.28
1N5402 1N5403	0.16 2	SC1104 SC1106	3.98 4.54	2SD1453 2SD152K	1.40	AN305 AN315	8.95 2.46	BC140 BC141	0.45	BD163 BD165	9.71 9.62	BF196 BF197	0.17	BSX20 BSY52	0.30	CD4028 CD4040B	0.84
1N5404 1N5408	0.35 2	SC1114 SC1116	325 4.95	2SD198 2SD234	4.20	AN316 AN318	5.53 5.25	BC142 BC143	0.23	BD166 BD168	H.42 H.73	BF198 BF199	0.17	8SY79 BT100A	0.51	CD4047 CD4049	1.06 0.24
1N914 IR3403	5.00 2	SC1124	1.28	2SD235	0.60	AN320	5.47	BC147	0.08	BD175	\$.20	BF200	0.37	BT108	1.45	CD4052	0.75
1S1555 1S44	0.31 2	SC1129 SC1131	1.65 0.64	2SD24 2SD257	2.29 1.98	AN321 AN322	2.25 5.85	BC148A BC148B	0.11 0.13 0.11	BD179 BD181 BD182	0.45	BF218 BF224 BF227	0.36 0.17	BT119 BT120 BT121	1.76	CD4066 CD4069 CD4070	0.20
1S5012A	0.81 2	SC1158 SC1162	3.33 0.55	2SD292 2SD313	2.59 2.59 2.59	AN331 AN337 AN340D	5.11 5.37	BC148C BC149 BC149B	0.11 0.11	BD182 BD183	0.99 0.99	BF237 BF240	0.65	BT121 BT123 BT151 9000	2.48 1.98	CD4070 CD4081 CD4082	0.66
1S921 2N1303	0.38 2	SC1172 SC1195	2.22	2SD325D 2SD348	2.26 16.13	AN340P AN355	1.17 5.98	BC149B BC153 BC154	0.13	BD184 BD187	1121 0.53	BF241 BF245	0.15 0.50	BT151-800R BTT6018 BTT9124	0.89	CD4093 CD4511 CD4538	0.72
2N2219A 2N2222	0.38 2	SC1212A SC1213	1.97 0.89	2SD350 2SD353	5.20 7.50	AN362 AN370	1.50 3.95	BC154 BC159	0.14 0.36	BD189 BD190	0.69	BF245A BF245B	0.52	BTT8124 BU106	4.89 2.48	CD4528 CD4556	2.04 1.47
2N2646 2N2904	0.36 2	SC1226 SC1293	1.46 0.90	2SD389 2SD401	2.41 1.40	AN5010 AN5111	5.70 2.92	BC160 BC161	0.40 0.228	BD201 BD202	0.65 0.60	BF246A BF255	2.52 0.20	BU108 BU109	1.50 2.65	CR02AM-8 CV12E	1.70 4.09
2N2905 2N2906	0.35 2	SC1306 SC1316	1.98 10.25	2SD414 2SD471	1.98 2.13	AN5120N AN5132	4.50 5.39	BC168 BC169C	0.36 0.16	BD203 BD204	0.50	BF256 BF256LB	0. <b>38</b> 0.42	BU110 BU111Y	5. <b>69</b> 4.16	CX095D CX104	3.14 9.64
2N2926	0.15 2	SC1317 SC1364	0.50 0.49	2SD560 2SD588A	2.95 2.36	AN5250 AN5435	3.98 2.25	BC170 BC171	0.16 0.11	BD207 BD208	1.79 0.34	BF256LC BF257	0.82 0.34	BU125 BU126	2.48 1.45	CX108 CX109	12.48 7.86
2N3053 2N3054	0.99 2	SC1383 SC1391	1.20 2.45	2SD600 2SD601R	<b>2.98</b> 0.65	AN5610 AN5612	5.50 4.68	BC172 BC172B	0.13 0.27	BD222 BD225	0.50	BF258 BF259	0.36 0.34	BU137 BU205	6.53 1.35	CX130 CX134	8.76 12.32
2N3055 2N3442	1.56 2	SC1398 SC1413A	0.79 3.05	2SD613 2SD621	1.03 12.85	AN5613 AN5630	4.63 3.95	BC173 BC174B	0.17 0.27	BD228 BD229	0.53 1.05	BF262 BF263	0.28 0.57	BU206 BU207	1.27 1.65	CX136 CX139	11.49 11.83
2N3702 2N3703	0.18 2	SC1446 SC1447	1.25 2.07	2SD636 2SD639-R	0.55 0.72	AN5701N AN6250	1.66 2.95	BC177 BC178	0.35 0.26	BD232 BD234	0.50	BF271 BF273	0.34 0.20	BU208 BU208/02	1.20 1.97	CX157 CX158	5.52 5.52
2N3705 2N3706	0.14 2	SC1475 SC1505	0.60 1.00	2SD655 2SD657	0.98 3.50	AN6300 AN6310	4.40 8.74	BC179 BC182	0.26 0.05	BD237 BD238	0.47 0.39	BF274 BF324	0.20 0.35	BU208A BU208D	1.12 1.95	CX177 CX187	6.46 6.84
2N3707 2N3711	0.13 2	SC1514 SC15730	1.69 1.25	2SD661A 2SD731	0.80 1.05	AN6320N AN6340	4.28 10.14	BC182L BC182LB	0.10 0.07	BD239 BD240	0.45 0.57	BF336 BF337	0.33 0.45	BU209 BU226	1.50 2.45	CX755 CX885A	12.95 6.85
2N3771 2N3772	1.71 2	SC1578 SC1583	8.74 0.50	2SD773 2SD811	0.60 3.30	AN6341 AN6342	2.98 2.77	BC183L BC183LB	0.11 0.26	BD241 BD242	0.39 0.39	BF338 BF355	0.33 0:49	BU326 BU326A	2.00 2.20	DEC1 DEC2	2.20 2.20
2N3773 2N3819	0.54 2	SC1617 SC675	3.89 1.41	2SD823 2SD837	1.98 1.56	AN6363 AN6371	16.00 9.24	BC184 BC184L	0.13 0.14	BD243A BD243C	0.35 0.29	BF362 BF363	0.62 0.50	BU326S BU406	2.20 1.49	DS3486N DS3487N	4.33 4.95
2N3823 2N3904	0.62 2	SC1678 SC1741	1.98 1.25	2SD841 2SD856	2.60 1.00	AN6387 AN6531	10.65 1.95	BC184LB BC186	0.26 0.27	BD244 BD244C	0.415 0.79	BF371 BF391	0.50 0.25	BU406D BU407	1.79 0.82	E1222 E5024	0.40 0.28
2N3908 2N4101	1.73 2	SC1810 SC1815	1.70 0.45	2SD8570 2SD882	1.84 1.15	AN6551 AN6552	1.35 0.68	BC187 BC204	0.28 0.16	BD245C BD246C	0.99 0.77	BF417 BF418	0.84 1.87	BU407D BU412	0.99 5.29	E5386 E9003	0.25 0.46
2N4240 2N4444		SC1826 SC1829	0.67 2.22	2SD894 2SD898	1.75 1.85	AN6610 AN6677	2.40 10.45	BC207 BC212	0.14 0.11	BD253 BD278A	1.05 0.64	BF422 BF423	0.29 0.52	BU426A BU500	1.13 1.45	E9005 END500	0.50 5.78
2N5293 2N5294	0.50 2	SC1875 SC1881K	4.50 2.98	2SK105H 2SK152	2.15 3.59	AN7111 AN7114E	1.25 8.54	BC212B BC213L	0.26 0.10	BD317 BD318	2.60 2.00	BF450 BF451	0.35 0.29	BU508A BU536	1.25 1.65	GC374 GD243	1.65 4.34
2N5296 2N5297 2N5298	0.49 2	SC1893 SC1906	3.02 0.98	2SK34 2SK41	0.76 1.07	AN7115 AN7120 AN7145	3.38 4.65	BC213LB BC214	0.15 0.10	BD375 BD380	0.42	BF457 BF458	0.41 0.33	BU608 BU705	1.80 2.95	GF758 GH3F	0.84 1.82
2N5298 2N5771	0.61 2	SC1921 SC1923	1.37 0.30	2SK79 40408	2.98 0.50	AN7146	2.80 4.35	BC214 BC214LB BC225	0.26 0.40	BD410 BD433	0.52 0.47	BF459 BF460	0.52 1.45	BU806 BU807	1.79 0.80	HA11215 HA11211	1.75 2.53
2N6109 2N6130	1.58 2 0.80 2	SC1929 SC1942	2.25 1.65	40594 40636	1.53 1.43	AN7151 AN7156	2.26 2.85	BC237 BC237BJ	0.10 0.12	BD434 BD435	0.49	BF469 BF470 BF471 BF472 BF479	0.22 0.55	BU826A BUW84	1.95 1.39	HA11225 HA11226	1.50 10.44
2N6133 2N6180	1.25 2 0.95 2	SC1945 SC1959	7.99 0.26	4EX581 741	0.80 0.30	AN7158 AN7218	2.32 1.64	BC238 BC238A	0.10 0.13	BD436 BD437	0.60 0.49	BF471 BF472	0.33 0.33 0.35	BUX84 BUX85	1.00 1.10	HA11229 HA11235	1.96 1.75
2N6292	1.65 2 0.43 2	SC1957 SC1953	1.09 1.93	7805-T022 7806	0.63 0.73	AN7223 AU107	4.25 3.50	BC238B BC239	0.08 0.12	BD438 BD441	0.40	BF479 BF480 BF491	1.38	BUY69A BY126	2.04 0.13	HA11124 HA11244	5.25 4.02
2N696 2N698 2SA1006	0.43 2	SC1962 SC1969	1.93 2.04	7808 7812-T022	0.85 0.35	AU110 AU113	2.25 5.25	BC239B BC251A	0.25 0.31	BD442 BD509	1.41 1.65	1 RF495	1.98 0.64	BY127 BY133	0.08	HA11251 HA1125	4.47 4.29
2SA1006 2SA1011 2SA1015	1.65 2 0.49 2	SC1983 SC1985	1.51 1.55	7815	0.64 0.45	AN7151 AN7156 AN7158 AN7218 AN7223 AU107 AU107 AU110 AU110 AU110 AU1105K AY105K BA524 B250 B40	2.26 2.85 2.32 1.64 4.25 3.50 2.25 5.25 2.08 1.09 8.21 2.25	BC294 BC300	0.50 0.35	BD510 BD519	0.62	BF506 BF509 BF523	0.43 0.41	BY127 BY133 BY164 BY176 BY179 BY182 BY184 BY184	0.44	HA1137W HA1138	4.87 5.63
2SA1015 2SA1012 2SA1020Y 2SA1027R	1.25 2 0.89 2	SC2009 SC2029	0.34 2.33	7824 7905 9368	0.64 0.80	BA524 B250	8.21 2.25	BC301 BC302	0.45 9.53	BD529 BD530	0.80 1.18	BF523 BF532	0.24 0.45	BY179 BY182	1.08 0.95	HA11414 HA1144	5. <b>65</b> 7.87
	0.45 2 0.75 2	SC2028 SC2063	2.11 0.99	9368 AA1 <b>33</b>	10.70 0.12	B40 BA130 BA1310	1.55 0.14	BC237 BC237BJ BC237BJ BC238A BC238B BC239B BC239B BC239B BC251A BC294 BC300 BC300 BC300 BC300 BC300 BC300 BC307A BC308	1.04 0.18	BD533 BD534	0.67 0.53	BF596 BF597	0.18 0.27	0110/	0.37 0.77	HA1156 HA1160	1.16 4.78
2SA766S 2SC1173Y 2SC1474	4.95 2 1.25 2	SC2078 SC2073	3.11 2.25	AA133 AC133 AC123K	0.12 0.43		1.98 1.38	BC307A BC308	0.08 0.18	BD535 BD536	0.79 0.61	BF694 BF757	0.22 0.59	BY189	1.79 1.62	HA1166 HA1166X	1.90 6.43
2SC1509	1.25 2 1.35 2	SC1893 SC1906 SC1921 SC1923 SC1923 SC1945 SC1945 SC1945 SC1959 SC1955 SC1955 SC1953 SC1962 SC1963 SC1968 SC2085 SC2085 SC2085 SC2028 SC208	1.65 1.30	AC127	0.27 0.34	BA1320 BA1322 BA1330 BA145 BA145 BA154 BA155 BA156 BA156	3.95 2.75	BC308A BC309 BC317A	0.11 0.17	BD537 BD538	0.80 0.80	9F532 8F597 8F597 8F597 8F597 8F757 8F759 8F757 8F759 8F759 8F762 8F760 8F780 8F780 8F780 8F780 8F780 8F780 8F780 8F780 8F780 8F781 8F780 8F781 8F782 8F784 8F742 8F744 8F744 8F725 8F725 8F775	0.47 1.05	BY198 BY201/2 BY203/20	1.50 0.59	HA1167 HA11706	5.36 3.61
2SD1391RL 2SA1095	3.95 2 3.00 2	SC2141 SC2166	2.44 1.98	AC138 AC141 AC142K	0.24 0.29	BA145 BA148	0.19 0.25	BC327	0.13 0.15	BD544B BD598	0.83 1.25	BF762 BF869	0.50 0.47	BY207	0.22 0.46	HA11705 HA11703	8.00 4.22
2SA1103 2SA329	040 2	SC2166 SC2216 SC2233	0.69 1.80	AU151	0.35 0.28	BA154 BA155	0.40 0.12	BC328 BC337	0.10 0.09	BD677 BD679	0.69 0.57	BF870 BF959	0.30 0.42	BY208 BY210-400 BY210-600	0.19 0.27	HA11701 HA11710	4.56 9.50
2SA489 2SA490	1.17 2 2.25 2	SC2236 SC2278 SC2314	1.65 1.69	AC176 AC179	0.30 0.28	BA156 BA159	0.05 0.08	BC338 BC368	0.10 0.24	BD680 BD681	0.76 1,48	BF960 BF970	0.49 0.50		0.30 1.64	HA11713 HA11711	9.75 20.16
2SA493 2SA562	0.57   2	SC2335+KII	2.17 13.44	AC183	0.72	BA159 BA182 BA222	0.24 1.66	BC440 BC441	0.69 0.44	BD696 BD699	2.47 3.49	BFR39 BFR61	0.44	BY218 BY223 BY224-600 BY225-100	1.23 1.88	HA11715 HA11714	3.25 9.75
2SA564 2SA614	0.75 2 4.88 2	SC2551 SC2565 SC2570	1.26 3.92	AC187 AC187K AC188 AC188-01 AC188K AC193K AC194K AD140	0.43 0.37	BA302 BA311	1.24 1.32	BC454 BC460	0.36 0.42	BD700 BD707	3.70 0.98	BFR62 BFR79	0.50 0.29	BY225-100 BY226	1.13 0.25	HA11716 HA11725	13.10 18.26
2SA628 2SA639S	1.75   2	SC2577	2.88 1.60	AC188-01 AC188K	0.44	BA312	1.45 0.76	BC461 BC462	0.35 1.15	BD709 BD710	1.05 0.80	BFR81 BFR86	1.65 1.08	BY226 BY227 BY228 BY229-1000	0.20 0.60	HA11725MP	16.00 6.23
2SA659 2SA673	0.49 2	SC2578 SC2671	6.75 1.99	AC193K AC194K	0.65	BA313 BA317 BA318	0.08	BC463 BC477	0.64 0.37	BD809 BD810	0.80 0.69	BFR89 BFR90A	1.63 0.70	D1223-000	1.12 0.92	HA11781 HA1180 HA1196	19.90 5.15
2SA684 2SA697	1.61 2	SC2826 SC288A	2.07	AD140 AD143	1.06 1.93	BA328 BA333	1.65 1.37	BC478 BC479	0.22	BD879 BD880	0.74	BFT42 BFT43	0.43 0.43	BY255 BY295-600	0.66	HA1196 HA13001	7.43
2SA699 2SA715	1.75 2	SC3153 SC372	6.84 1.40	AD145 AD161	1.60 0.30	BA335 BA5102A	6.27 2.86	BC532 BC546	0.28	BD895 BD899	2.31 2.48	BFT84 BFW10	0.40	BV200	0.36	HA13001 HA1306 HA1338 HA1339 HA13402	2.26 7.50
2SA747 2SA747 2SA748	10.74 2	SC373	1.16 1.33	AD162 AD262	0.30	RA511	1.95 2.20	BC547 BC548	0.10	BD901 BD902	0.79	BFX29 BFX84	0.34	BY299 BY407 BY409 BY448 BY713 BYW19/1000 BY448	0.90	HA1339 HA13402	3.40 7.87
2SA817 2SA817 2SA835	0.65 2 2.50 2	SC383 SC388 SC394V	0.50	AF114 AF115	2.47	BA521 BA524	2.52 8.94	BC549 BC550	0.10	BDW83C	1.45	BFX85 BFX86	0.41	BY448 BY713	1.35	HA13342 HA13365	2.65
2SA835 2SA836 2SA844	0.89 2 0.65 2	SC394V SC403C SC41	0.60	AF115 AF118 AF127	0.75 1.20 0.79	BA526	6.54 7.98 2.98	BC556 BC557	0.10	BDX32 BDX53A	1.75 1.25	BFX87 BFX88	0.56	BYW19/1000 BYW56	0.69	HA1366WR HA1367	4.02 1.50 2.75
2SA844 2SA872 2SA884	0.80 2	SC458 SC458 SC495	0.15	AF127 AF139 AF178	0.40	BA514 BA521 BA524 BA526 BA527 BA532 BA536	1.50 2.05	BC328 BC337 BC338 BC338 BC340 BC441 BC441 BC454 BC454 BC454 BC452 BC452 BC452 BC452 BC473 BC478 BC479 BC532 BC546 BC556 BC556 BC556 BC556 BC556	0.10	BD380 BD410 BD433 BD434 BD433 BD434 BD435 BD435 BD435 BD437 BD438 BD442 BD509 BD510 BD519 BD529 BD530 BD529 BD533 BD534 BD533 BD534 BD533 BD534 BD533 BD534 BD533 BD533 BD533 BD534 BD533 BD533 BD534 BD533 BD533 BD534 BD533 BD534 BD533 BD533 BD534 BD533 BD544B BD598 BD699 BD700 BD709 BD700 BD709 BD700	1.85	BFX89 BFY50	0.44	BYX10	0.29	HA1368R HA1368	2.45
2SA937R	0.97 2	SC515A	2.85	AF179	0.55	BA6209	4.55	BC559B	0.11	BDX62A	2.15	BFY51	0.25	BYX55-600 BYX71-600	0.85	HA1370	3.30
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   | TA7325P<br>TA7339P  | 1.15   | TDA1003A<br>TDA1005A   
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  | SL1310   | 3.14  | STK435  | 5.94  
   | TA7340P   | 5.95   | TDA1006A   
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   | TA7607AP<br>TA7609  | 3.10<br>3.91   | TDA1010AF<br>TDA1011   
   |   | TDA3651<br>TDA3651A   |   | UPC1025H<br>UPC1026C  
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| HA1406<br>HA1452   | 1.30   M23C<br>0.85   M293  
   
   
   | 1.98 0C2<br>6.95 0C3  
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  | SL432A   | 3.44  | STK437  | 9.65  
   | TA7611AP  | 2.32   | TDA1010  
   | 1.28  | TDA3950   | 3.80  | UPC1028H  
   | 2.00  |
| HBF4030AF  | 2.48 M51102L  
   
   
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  | SL439<br>SL471   |   | STK4372<br>STK439   |   
   | TA7616P<br>TA7622AP   | 5.25<br>8.94   | TDA1011A<br>TDA1028  
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   | 2,77<br>0.62  |
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   | 5.24 0C4<br>3.15 0C7  
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   | TA7629P<br>TA7630P  | 7.50   | TDA1035S<br>TDA1035T   
   | 2.95  | TDA4420   | 2.55  | UPC1158   
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                       | 121 <b>1.45</b><br>6042 <b>2.45</b>   
   
   
  | SN16861AN0<br>SN16862AN  | 2.98  | STK461<br>STK463  |   
   | TA7672P<br>TA7676P  | 2.55<br>2.81   | TDA1037E<br>TDA1044  
   | 2.05  | TDA4431   | 221   | UPC1186H  
   | 1.05<br>1.35  |
| HEF4001BP<br>HISH1010  | 0.67 M51394P  
   
   
   | 14.05 PT8   
                       | 8504 4.98   
   
   
  | SN16966N<br>SN29717N   | 7 19  | STK466  | 11.77   
   | TA7726P   | 12.50  | TDA1047  
   | 3.25  | TDA4440<br>TDA4442  | 3.26  | UPC1181H<br>UPC1185H  
   | 1.60  |
| HISH1004   | 6.00 M5142P<br>6.00 M5144P  
   
   
   | 2.97 R10  
                       | 039 2.19  
   
   
  | SN29716N   | 3.66  | STK4833<br>STK501   |   
   | TAA320A<br>TAA350A  | 1.27<br>6.45   | TDA10596<br>TDA1054M   
   | 9.96<br>1.35  | TDA4500<br>TDA4600-2  | 4.75  | UPC1188<br>UPC1212C   
   | 7.40<br>1.72  |
| HISH1002<br>HM6231   | 9.50 M51513L<br>9.81 M51515BL   
   
   
   | 2.06 R20<br>2.75 R20  
                       | 008B 1.33<br>009 1.98   
   
   
  | SN29715N<br>SN29722  | 11.95   | STK502  | 725   
   | TAA570  | 1.85   | TDA1060  
   |   | TDA4610   | 1.79  | UPC1225H  
   | 3.25<br>1.78  |
| HM6232   | 10.65 M51517L   
   
   
   | 2.90 R20  
                       | 010B 1.33   
   
   
  | SN29723AN<br>SN29764AN   |   | STK5314<br>STK5730  |   
   | TAA621AX1<br>TAA621A12  | 4.85   | TDA1082<br>TDA1151   
   | 2.95<br>1.22  | TDA4620<br>TDA5500  | 4.78<br>6.28  | UPC1230<br>UPC1238  
   | 2.00  |
| HM6251<br>HM7103   | 6.51 M5192<br>4.85 M5194AP  
   
   
   | 2.20   R20<br>5.74   R20  
                       |   
   
   
  | SN29767  | 4.90  | STK7216   | 14.50   
   | TAA661B   | 2.62   | TDA1170S   
   | 1.85  | TDA5700<br>TDA7270S   | 2.75  | UPC1263<br>UPC1277H   
   | 4.09<br>4.95  |
| HM9032   | 9.98 M5231L<br>3.22 M53274P   
   
   
   | 1.95 R22<br>1.33 R22  
                       |   
   
   
  | SN29770BN<br>SN29772BN   |   | STK772<br>STR1096   |   
   | TAA691<br>TAA700  | 8.56<br>2.37   | TDA1190<br>TDA1190Z  
   | 2.11  | TDA8190   | 2.47  | UPC1278H  
   | 2,15  |
| HM9012<br>HM9015   | 3.24 M54532P  
   
   
   | 1.71 R23  
                       | 305 1.18  
   
   
  | SN29771BN  |   | STR4090<br>STR440   |   
   | TAA930  | 4.87   | TDA1290  
   | 1.51  | TDA9403<br>TDA9503  | 1.90  | UPC1351C<br>UPC1350C  
   | 1.81<br>1.40  |
| HT4207   | 17.16 M54544L<br>M58478P  
   
   
   | 3.45 R23<br>8.77 R23  
                       |   
   
   
  | SN29791<br>SN29798N  | 5.56  | STR441  | 5.95  
   | TAA970<br>TAA110  | 2.83<br>2.52   | TDA1235<br>TDA1236   
   | 4.39  | TDA9513<br>TDB1033  | 3.15<br>2.68  | UPC1353<br>UPC1355C   
   | 7.85<br>2.13  |
| HT4208<br>IN5401   | 20.65 M58485P<br>0.11 MAGE  
   
   
   |   
                       | 354A 2.01<br>354B 2.01  
   
   
  | SN2709<br>SN7400N  |   | STR451<br>STR453  |   
   | TAG232-600  | 0.79   | TDA1270  
   | 3.55<br>1.33  | TDE1081   | 7.05  | UPC1363   
   | 4.20  |
| IR2403   | 1.45 MA06<br>MA8001   
   
   
   | 0.82 R24  
                       | 443 0.88  
   
   
  | SN7401N  | 0.36  | STR454  |   
   | TAG626-600<br>TBA120AS  | 1.20<br>0.69   | TDA1327A<br>TDA1412  
   | 1.95  | TE626<br>TEA1002  | 1.49  | UPC1362<br>UPC1365C   
   | 2.64<br>6.98  |
| IR2C05<br>IR3P06   | 4.25 MA8003<br>2.25 MB3705  
   
   
   | 1.16 R24<br>1.98 R25  
                       |   
   
   
  | SN7402N<br>SN7404N   | 0.52  | STR6020<br>T6029V   | 5.75  
   | TBA120SB  | 1.05<br>0.97   | TDA1420<br>TDA1440   
   | 2.56<br>3.45  | TEA1009   | 1.50  | UPC1366<br>UPC1360C   
   | 3.25<br>4.51  |
| IR3P08   | 4.95 MB3712   
   
   
   | 1.85 R25  
                       | 540X 3.30<br>615 0.67   
   
   
  | SN7408N<br>SN7410N   |   | T6035V<br>T6036   |   
   | TBA120T<br>TBA120U  | 0.62   | TDA1440  
   | 2.80  | TEA1014<br>TEA1020SP  | 8.21  | UPC1378H  
   | 1.25  |
| IR94558<br>IS751   | 6.25 MB3713<br>2.85 MB3730  
   
   
   | 2.94 RC/  
                       | A16029 2.01   
   
   
  | SN74121  | 1.60  | T6037   |   
   | TBA120A<br>TBA1440  | 1.05<br>1.78   | TDA1470P<br>TDA1506  
   | 4.25  | TIC106C<br>TIC106M  | 0.61  | UPC141C<br>UPC1458  
   | 4.95<br>3.34  |
| ITT425<br>IZ0003GE   | 0.18 MC13002<br>5.37 MC1310P  
   
   
   |   
                       | CA16600 1.38<br>CA16802 1.08  
   
   
  | SN7413N<br>SN74141N  | 2.65  | T6044V<br>T6045   | 1.20  
   | TBA1441   | 1.62   | TDA1505  
   | 4.60  | TIC116Y100  | 2.07  | UPC151C   
   | 2,95  |
| 1Z0020GE   | 5.93 MC1327P  
   
   
   | 1.33 RC/  
                       | CA17074 6.60<br>CA17376 1.58  
   
   
  | SN74151AN<br>SN74154N  |   | T6049<br>T6052V   |   
   | TBA240A<br>TBA395   | 2.05<br>1.19   | TDA1572<br>TDA1515   
   | 3.69<br>2.60  | TIC44<br>TIC45  | 0.72  | UPC2002<br>UPC30C   
   | 1.48<br>2.51  |
| K174YP<br>KA2101   | 3.46 MC1330P<br>2.92 MC1350P  
   
   
   | 1.61 RC/  
                       | CA17524 0.83  
   
   
  | SN74190  | 1.35  | T6058   | 3.66  
   | TBA3950<br>TBA396   | 1.19<br>1.20   | TDA1559  
   | 3.15  | TIC47<br>TIP129   | 0.35  | UPC324C<br>UPC32C   
   | 4.17<br>5.25  |
| KC581C<br>KC582C   | 6.32 MC1351P<br>3.97 MC1352P  
   
   
   |   
                       | CA17523 0.83<br>CA2060 2.00   
   
   
  | SN7420N<br>SN7430  |   | T6059<br>T9003V   | 277   
   | TBA400  | 2.38   | TDA1670<br>TDA1770   
   | 4.48  | TIP110  | 0.45  | UPC339C   
   | 4.35  |
| KC583C   | 6.63 MC1357P  
   
   
   | 2.15 RG   
                       | GP01-15 1.65  
   
   
  | SN7440N<br>SN7472  | 0.27<br>1.54  | T9005V<br>T9011V  | 2.38  
   | TBA440C<br>TBA4800  | 2.34<br>1.30   | TDA1905  
   | 1.27  | TIP112<br>TIP117  | 0.54  | UPC41C<br>UPC4558C  
   | 4.10<br>2.15  |
| L200CV<br>LA1201   | 1.69 MC1358P<br>1.02 MC14001  
   
   
   |   
                       | GP30M 0.28  
   
   
  | SN7474N  | 0.44  | T9013V  | 4.95  
   | TBA510  | 2.11   | TDA1908<br>TDA1940   
   | 2.98<br>1.95  | TIP121<br>TIP126  | 0.75<br>0.73  | UPC474<br>UPC554C   
   | 5.11<br>1.85  |
| LA1210<br>LA1230   | 1.56 MC14013<br>2.20 MC14493P   
   
   
   |   
                       | 1.58 1.58 1.58 1.58   
   
   
  | SN7490AN<br>SN74LS26N  | 0.93<br>1.45  | T9014V<br>T9016   | 2.42  
   | TBA520<br>TBA5200   | 1.88   | TDA1950  
   | 2.95  | TIP132  | 0.99  | UPC506H   
   | 2.95  |
| LA1320   | 2.87 MC14494P   
   
   
   | 2.15 S12  
                       | 299 5.34  
   
   
  | SN76001N<br>SN76013ND  | 1.65<br>3.50  | T9019W<br>T9034V  | 1.98<br>1.45  
   | TBA530<br>TBA530  | 1.30<br>1.30   | TDA2995<br>TDA2006   
   | 1.46  | TIP137<br>TIP29   | 1.59  | UPC574<br>UPC575C2  
   | 2.40  |
| LA1352<br>LA1357N  | 1.65 MC14497<br>11.07 MC14510B/   
   
   
   |   
                       | 2062D 0.95  
   
   
  | SN76023N   | 2.75  | T9035V  | 1.95  
   | TBA540<br>TBA5400   | 1.15   | TDA2904<br>TDA2002   
   | 1.46  | TIP2955<br>TIP29A   | 0.95  | UPC576H<br>UPC577H  
   | 2.58<br>1.25  |
| LA1363<br>LA1364   | 1.05 MC14511B<br>3.02 MC14528B  
   
   
   |   
                       | 2800D 5.54<br>2802 3.47   
   
   
  | SN76023ND<br>SN76033N  | 3.96  | T9051<br>T9054V   | 6.95<br>0.77  
   | TBA540U   | 1.15<br>1.48   | TDA2003  
   | 1.75  | TIP298  | 0.63  | UPC578C   
   | 8.70  |
| LA1365J  | 0.95 MC1712   
   
   
   | 3.88 S28  
                       | 2818 0.85   
   
   
  | SN76110N   | 1.13  | T9057V<br>T9062V  | 0.70  
   | TBA560CQ<br>TBA570Q   | 1.69   | TDA2010<br>TDA2020   
   | 1.68<br>1.95  | TIP29C  | 8.40<br>6.75  | UPC580C<br>UPC587C2   
   | 4.13<br>1.34  |
| LA1385<br>LA1387   | 1.53 MC5192<br>5.95 MC7724CP  
   
   
   |   
                       | 3702S 6.15<br>40W 18.64   
   
   
  | SN76115AN<br>SN76131   | 1.92  | T9064   | 3.64  
   | TBA570A   | 1.71   | TDA2030<br>TDA2140   
   | 1.45<br>1.68  | TIP3095<br>TIP30A   | 6.75<br>6.41  | UPC592H<br>UPC595   
   | 2.15<br>2.95  |
| LA3155<br>LA3301   | 1.25 MC7818C<br>1.41 MCR100/7   
   
   
   |   
                       | 5080B 8.80<br>A8063 5.17  
   
   
  | SN76227N<br>SN76226DN  | 0.85<br>2.50  | TA6002<br>TA7027  | 4.35  
   | TBA641A12<br>TBA641B72  | 4.13<br>3.03   | TDA2150  
   | 6.20  | TIP30C  | 8.16  | UPC596  
   | 1.98  |
| LA3350   | 1.43 MCR106-5/  
   
   
   | 6 0.95 SA   
                       | AA1006 1.85   
   
   
  | SN76228N   | 3.27<br>8.95  | TA7050<br>TA7051  | 1.74  
   | TBA651<br>TBA673  | 0.87   | TDA2151<br>TDA2160   
   | 2.07<br>4.01  | TIP31A  | 0.34  | UPD1514C  
   | 4.76<br>4.98  |
| LA3361<br>LA3365   | 1.60 MCR220/7<br>3.98 ME0402  
   
   
   |   
                       | AA1020 4.76<br>AA1025 4.40  
   
   
  | SN76242<br>SN76243   | 8.50  | TA7054  | 2.55  
   | TBA700  | 1.85   | TDA2161  
   | 1.85  | TIP31C<br>TIP32A  | 0.50  | UPD4013B  
   | 4.89  |
| LA3390   | 5.52 ME0404/2   
   
   
   |   
                       | AA1024 2.81<br>AA1075 6.25  
   
   
  | SN76396<br>SN76533N  | 2.90<br>2.47  | TA7060AP<br>TA7061AP  | 0.71  
   | TBA720<br>TBA730  | 3.50<br>3.55   | TDA2170<br>TDA2270   
   | 2.88<br>2.25  | TIP32B  | 0.69  | UPD553-164  
   | 19.52   |
| LA4030P<br>LA4031P   | 3.16 ME0411<br>3.20 ME6002  
   
   
   | 0.26 SA   
                       | AA1121 7.44   
   
   
  | SN76532N   | 0.95  | TA7069  | 3.13  
   | TBA7500<br>TBA760   | 2.90<br>1.71   | TDA2520<br>TDA2522   
   | 2.37<br>3.46  | TIP32C<br>TIP33   | 0.40  | UPD8049C-1<br>X0007TA   
   | 11.50<br>4.68   |
| LA4032P<br>LA4100  | 2.35 ME6102<br>1.25 ME8001  
   
   
   |   
                       | AA1124 3.30<br>AA1130 4.99  
   
   
  | SN76545<br>SN76546N  | 1.95<br>3.47  | TA7070P<br>TA7072P  | 2.57  
   | TBA800  | 0.92   | TDA2524  
   | 4.56  | TIP33A  | 1.05  | X0022CE<br>X0629CE  
   | 5.75<br>7.09  |
| LA4101   | 1.30 ME0411   
   
   
   | 0.75 SA   
                       | AA1174 7.77   
   
   
  | SN76549<br>SN76570   | 2.59  | TA7073P<br>TA7074P  | 5.86<br>1.90  
   | TBA810S<br>TBA810T  | 1.61   | TDA2521<br>TDA2525   
   | 3.71<br>3.80  | TIP33C<br>TIP34   | 0.50  | X0031CE   
   | 4.95  |
| LA4102<br>LA4112   | 0.75 MJ2501<br>0.56 MJ3001  
   
   
   | 1.76 SA   
                       | AA1251 3.20   
   
   
  | SN76611  | 2.59  | TA7076P   | 7.80  
   | TBA810AS  | 1.00<br>1.52   | TDA2532<br>TDA2530   
   | 2.50<br>2.55  | TIP41A  |   | X0035TA   
   | 5.98  |
| LA4125<br>LA4138   | 2.25 MJ481<br>4.55 MJ802  
   
   
   | 1.53   SA<br>4.90   SA  
                       | AA1351 8.11   
   
   
  | SN76620  |   |   |   
   |   |  |  
   |   | TIP41B  | 8.49<br>0.65  | X0040TA   
   | 4.50  |
| LA4140<br>LA4192   | 0.70 MJE2955  
   
   
   | 4.3U   QA   
                       | AA3027P 2.55  
   
   
  | SN76660N   |   | TA7089P<br>TA7092P  | 3.19<br>8.66  
   | TBA820<br>TBA820M   | 3.82   | TDA2541  
   | 1.88  | TIP41B<br>TIP41C<br>TID42A  | 0.65<br>0.25  | X0040TA<br>X0042CE  
   | 4.35  |
| LA4220   | 3 49 M 1E3055   
   
   
   | 1.89 SA   
                       | AA5000 2.50   
   
   
  | SN76666N   | 2.48<br>1.20  | TA7092P<br>TA7093P  |   
   |   | 0.82<br>2.50<br>1.53   | TDA2541<br>TDA2540<br>TDA25450   
   | 1.88<br>2.15<br>5.94  | TIP41C<br>TIP42A<br>TIP42B  | 0.65<br>0.25<br>0.40<br>0.53  | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE  
   | 4.35<br>2.75<br>6.25  |
|  | 3.48 MJE3055<br>1.25 MJE340   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA   
                       | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28   
   
   
  | SN76666N<br>SN76708<br>SN76709N  | 2.48<br>1.20<br>4.86<br>3.30  | TA7092P<br>TA7093P<br>TA7102P<br>TA7108P  | 8.65<br>3.99<br>5.88<br>1.61  
   | TBA820M<br>TBA890<br>TBA920<br>TBA920Q  | 0.82<br>2.50<br>1.53<br>2.31   | TDA2541<br>TDA2540<br>TDA25450<br>TDA2586  
   | 1.88<br>2.15  | TIP41C<br>TIP42A  | 0.65<br>0.25<br>0.49  | X0040TA<br>X0042CE<br>X0043CE   
   | 4.35<br>2.75<br>6.25<br>6.88<br>8.35  |
| LA4250<br>LA4400   |   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA   
                       | AA5000         2.59           AA5010         3.65           AA5012         5.28           AA5020         5.78           AA5030         8.25   
   
   
  | SN76666N<br>SN76708<br>SN76709N<br>SN76707N<br>SN76705N  | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60  | TA7092P<br>TA7093P<br>TA7102P<br>TA7108P<br>TA7109<br>TA7122B/P   | 8.65<br>3.99<br>5.88<br>1.61<br>3.71<br>0.92  
   | TBA820M<br>TBA890<br>TBA920<br>TBA920Q<br>TBA940<br>TBA950  | 9.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.84   | TDA2541<br>TDA2540<br>TDA25450<br>TDA2560<br>TDA2575A<br>TDA2576A  
   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85  | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP48  | 0.05<br>0.25<br>0.40<br>0.53<br>0.25<br>0.37<br>0.52  | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0057GE<br>X0062CE<br>X0065CE   
   | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60  |
| LA4400<br>LA4420   | 1.25 MJE340<br>4.95 MJE520<br>3.92 ML231<br>1.72 ML2328   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA  
                       | AA5000         2.59           AA5010         3.65           AA5012         5.28           AA5020         5.78           AA5030         8.25           AA5050         7.74   
   
   
  | SN76666N<br>SN76708<br>SN76709N<br>SN76707N<br>SN76705N<br>SN76705N<br>SN76730   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11  | TA7092P<br>TA7093P<br>TA7102P<br>TA7108P<br>TA7109  | 8.65<br>3.99<br>5.86<br>1.61<br>3.71  
   | TBA820M<br>TBA890<br>TBA920<br>TBA9200<br>TBA940<br>TBA950<br>TBA950<br>TBA970<br>TBA990  | 8.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.84<br>3.56<br>1.98   | TDA2541<br>TDA2540<br>TDA25450<br>TDA2560<br>TDA2560<br>TDA2575A<br>TDA2576A<br>TDA2577A<br>TDA2577A   
   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57  | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP48<br>TIP49<br>TIP55A   | 0.65<br>0.25<br>0.49<br>0.53<br>0.25<br>0.37<br>0.52<br>3.61<br>3.65  | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0057GE<br>X0062CE<br>X0065CE<br>X0074GE<br>X0077GE   
   | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>10.00<br>15.96  |
| LA4400<br>LA4420<br>LA4422<br>LA4430   | 1.25 MJE340<br>4.96 MJE520<br>3.92 ML231<br>1.72 ML2328<br>1.72 ML237B<br>1.56 ML238  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>2.51 SA<br>5.77 SA   
                       | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5020 5.78<br>AA5030 8.25<br>AA5050 7.74<br>AB1009B 5.98<br>AB3011 7.34   
   
   
  | SN76666N<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76705N<br>SN76730<br>SN76810N<br>SN76832N  | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.60<br>0.60<br>1.35  | TA7092P<br>TA7093P<br>TA7102P<br>TA7108P<br>TA7109<br>TA7122B/P<br>TA7122P<br>TA7124P<br>TA7129P<br>TA7130P   | 8.65<br>3.99<br>5.88<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27  
   | TBA820M<br>TBA890<br>TBA920<br>TBA920Q<br>TBA940<br>TBA950<br>TBA950<br>TBA970<br>TBA990<br>TBA990Q   | 8.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.84<br>3.56<br>1.98<br>1.98   | TDA2541<br>TDA2540<br>TDA25450<br>TDA2560<br>TDA2575A<br>TDA2575A<br>TDA2576A<br>TDA2571A  
   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57  | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP48<br>TIP49   | 0.65<br>0.49<br>0.53<br>0.25<br>0.37<br>0.92<br>3.61<br>3.65<br>1.43<br>0.28  | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0057GE<br>X0062CE<br>X0065CE<br>X0074GE<br>X0077GE<br>X0079CE<br>X0092CE   
   | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>10.00<br>15.96<br>4.95<br>4.95  |
| LA4400<br>LA4420<br>LA4422   | 1.25 MJE340<br>4.95 MJE520<br>3.92 ML231<br>1.72 ML237B<br>1.56 ML238<br>2.95 ML923<br>3.95 ML923   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>2.51 SA<br>5.77 SA<br>3.00 SA<br>3.98 SA   
                       | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5020 5.78<br>AA5030 8.25<br>AA5050 7.74<br>AB1009B 5.98<br>AB3011 7.34<br>AB3013 3.76<br>AB3021 7.90   
   
   
  | SN76666N<br>SN76708<br>SN76709N<br>SN76707N<br>SN76705N<br>SN76705N<br>SN76810N<br>SN76810N<br>SN76832N<br>SN94041<br>SN94042  | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.00<br>0.60<br>1.35<br>5.54<br>5.54  | TA7092P<br>TA7093P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128/P<br>TA7128/P<br>TA7128P<br>TA7130P<br>TA7130P<br>TA7136AP<br>TA7137P   | 8.85<br>3.99<br>5.88<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.89<br>0.98  
   | TBA820M<br>TBA890<br>TBA920<br>TBA920Q<br>TBA940<br>TBA950<br>TBA970<br>TBA990Q<br>TC40018P<br>TC40118P   | 8.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.84<br>3.56<br>1.98<br>1.98<br>3.25<br>3.50   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2576A<br>TDA2576A<br>TDA2576A+K1<br>TDA2576A+K1<br>TDA2581<br>TDA2581   
   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>T 12.35<br>1.79<br>1.94   | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP49<br>TIP55A<br>TIP55A<br>TIS90<br>TLD11CP  | 0.95<br>0.40<br>0.53<br>0.37<br>0.92<br>3.61<br>3.65<br>1.43<br>0.20<br>0.95  | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0057GE<br>X0052CE<br>X0074GE<br>X0077GE<br>X0079CE<br>X0079CE<br>X0099CE   
   | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>10.00<br>15.96<br>4.95<br>4.95<br>5.95  |
| LA4400<br>LA4420<br>LA4422<br>LA4430<br>LA4440<br>LA4445<br>LA4460   | 125 MJE340<br>495 MJE520<br>392 ML231<br>172 ML2328<br>1.72 ML237B<br>1.56 ML238<br>2.95 ML928<br>1.75 MM5314N  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>2.51 SA<br>5.77 SA<br>3.98 SA<br>8.99 SA   
                       | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5020 5.78<br>AA5030 8.25<br>AA5050 7.74<br>AB1009B 5.98<br>AB3011 7.34<br>AB3011 7.34<br>AB3021 7.90<br>AB3024 6.36  
   
   
  | SN76666N<br>SN76708<br>SN76709N<br>SN76707N<br>SN76705N<br>SN76730<br>SN76810N<br>SN76832N<br>SN34041<br>SN34042<br>SP8385   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.00<br>0.60<br>1.36<br>5.54  | TA7092P<br>TA7093P<br>TA7102P<br>TA7108P<br>TA7109<br>TA7128P<br>TA7128P<br>TA7124P<br>TA7129P<br>TA7130P<br>TA7136AP<br>TA7136AP<br>TA7137P<br>TA7141AP<br>TA7146  | 8.05<br>3.99<br>5.00<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.09<br>0.98<br>3.37<br>2.50  
   | TBA820M<br>TBA890<br>TBA920<br>TBA9200<br>TBA990<br>TBA990<br>TBA990<br>TBA990<br>TC4011BP<br>TC4011BP<br>TC4013BP<br>TC4013BP  | 8.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.84<br>3.56<br>1.98<br>1.68<br>3.25<br>3.50<br>3.75<br>3.15   | TDA2541<br>TDA2540<br>TDA25450<br>TDA2596<br>TDA2596<br>TDA2576A<br>TDA2576A<br>TDA2576A<br>TDA2576A+K1<br>TDA2581<br>TDA2581<br>TDA2581<br>TDA2591<br>TDA2594   
   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>T 12.35<br>1.79<br>1.94<br>2.50<br>3.26   | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP49<br>TIP55A<br>TIS90<br>TL011CP<br>TL072<br>TL494CN  | 0.05<br>0.25<br>0.49<br>0.53<br>0.25<br>0.37<br>0.92<br>3.61<br>3.65<br>1.43<br>0.20<br>0.95<br>1.45<br>8.95  | X0040TA<br>X0042CE<br>X0056CE<br>X0057GE<br>X0057GE<br>X0052CE<br>X0077GE<br>X0077GE<br>X0079CE<br>X0098CE<br>X0098CE<br>X0096CE<br>X0196CE   
   | 4.35<br>2.75<br>6.25<br>6.88<br><b>8.35</b><br>4.60<br>10.00<br>15.96<br>4.95<br>4.95<br>5.95<br>11.25<br>2.07  |
| LA4400<br>LA4420<br>LA4422<br>LA4430<br>LA4440<br>LA4445<br>LA4460<br>LA4461<br>LA4505   | 1.25 MJE340<br>4.95 MJE520<br>3.32 ML231<br>1.72 ML2328<br>1.72 ML238<br>2.95 ML238<br>3.95 ML238<br>1.75 ML238<br>1.75 ML238<br>1.75 ML238<br>1.75 ML236<br>1.75 ML236<br>1.55 ML236<br>1.55 ML236<br>1.55 ML236<br>1.75 ML2   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>3.01 SA<br>2.51 SA<br>3.00 SA<br>3.98 SA<br>8.99 SA<br>9.16 SA<br>3.11 SA   | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5020 5.78<br>AA5020 5.78<br>AA5050 7.74<br>A81009B 5.98<br>AA5050 7.74<br>A83021 7.90<br>A83021 7.90<br>A83024 6.36<br>A83209 5.82<br>A83210 3.10  
   
   
  | SN76666N<br>SN76708<br>SN76709N<br>SN76709N<br>SN76705N<br>SN76705N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN94041<br>SN94042<br>SP8385<br>SP55384<br>SP55384<br>ST1702L   
   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.00<br>0.60<br>1.36<br>5.54<br>5.54<br>0.55<br>1.98<br>0.99  | TA7092P<br>TA7093P<br>TA7102P<br>TA7102P<br>TA7109<br>TA7122B/P<br>TA7122B/P<br>TA7129P<br>TA7139P<br>TA7136AP<br>TA7136AP<br>TA7137P<br>TA7146AP   | 8.86<br>3.99<br>5.88<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.89<br>0.96<br>3.37<br>2.50<br>4.23  | TBA820M<br>TBA890<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA950<br>TBA970<br>TBA970<br>TBA990<br>TC4018P<br>TC4018P<br>TC4013BP<br>TC4013BP   
   | 9.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.94<br>3.56<br>1.98<br>1.98<br>3.25<br>3.50<br>3.75   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2576A<br>TDA2575A<br>TDA2576A<br>TDA2576A<br>TDA2576A<br>TDA2576A+K1<br>TDA2581<br>TDA2591  | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>T 12.35<br>1.79<br>1.94<br>2.50   
   | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP48<br>TIP55A<br>TI590<br>TL072<br>TL494CN<br>TL072<br>TL494CN<br>TL072CP<br>TMP4320   | 0.05<br>0.25<br>0.40<br>0.53<br>0.25<br>0.37<br>0.52<br>3.61<br>3.65<br>1.63<br>0.28<br>0.95<br>1.65<br>8.95<br>1.65<br>8.95  | X0040TA<br>X0042CE<br>X0056CE<br>X0057GE<br>X0057GE<br>X0065CE<br>X0074GE<br>X0074GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0096CE<br>X0195CE<br>X0195CE<br>X024CE   
   | 4.35<br>2.75<br>6.08<br>8.35<br>4.60<br>10.00<br>15.96<br>4.95<br>5.95<br>5.95<br>2.07<br>7.50<br>8.74  |
| LA4400<br>LA4420<br>LA4422<br>LA4430<br>LA4440<br>LA4445<br>LA4460<br>LA4461   | 1.25         M.JE340           4.95         M.JE520           3.92         M.I231           1.72         M.I231           1.72         M.I231           1.75         M.I231           1.75         M.I237           3.95         M.I237           3.95         M.I238           1.75         M.M521           5.85         MM5316N           5.85         MM538N           1.386         MM538N   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.33 SA<br>3.33 SA<br>3.30 SA<br>3.30 SA<br>3.98 SA<br>8.99 SA<br>8.99 SA<br>9.16 SA<br>3.11 SA<br>2.01 SA<br>2.01 SA<br>2.01 SA  
                       | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5020 5.78<br>AA5030 8.25<br>AA5050 7.74<br>AB1009B 5.98<br>AB3011 7.34<br>AB3013 3.76<br>AB3021 7.90<br>AB3024 6.36<br>AB3209 5.82<br>AB3210 3.10<br>AF1032P 3.56<br>AF1039 2.95   
   
   
  | SN76666N<br>SN76708<br>SN76709N<br>SN76707N<br>SN76705N<br>SN76730<br>SN76832N<br>SN54042<br>SP8385<br>SP55384<br>ST1702L<br>STA4411<br>STA4411C   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.60<br>0.60<br>1.36<br>5.54<br>5.54<br>5.54<br>0.55<br>1.98<br>0.99<br>6.76<br>3.00  | TA7082P<br>TA7032P<br>TA7102P<br>TA7102P<br>TA7108P<br>TA7122B/P<br>TA7122B/P<br>TA7122P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7136P<br>TA7145P<br>TA7146<br>TA7148P<br>TA7148P<br>TA7148P  | 8.86<br>3.99<br>5.88<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.89<br>0.98<br>3.37<br>2.50<br>4.23<br>1.67<br>3.25  
   | TBA820M<br>TBA890<br>TBA920<br>TBA920<br>TBA920<br>TBA950<br>TBA950<br>TBA990<br>TC40018P<br>TC4018P<br>TC4018P<br>TC4018P<br>TC4016BP<br>TC4053BP<br>TC4069<br>TC4069<br>TC4078P   | 8.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.84<br>3.56<br>3.25<br>3.50<br>3.75<br>3.15<br>4.34<br>2.25<br>2.76   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2578A<br>TDA2578A<br>TDA2578A<br>TDA2582<br>TDA2591<br>TDA2594<br>TDA2593<br>TDA2595<br>TDA2595   
   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>1.235<br>1.29<br>1.94<br>2.50<br>3.26<br>3.26<br>2.47<br>1.09<br>6.00   | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP47<br>TIP48<br>TIP49<br>TIP55A<br>TI949<br>TI955A<br>TI943<br>TI550<br>TI011CP<br>TL012CP<br>TL072CP<br>TL072CP<br>TL07420N<br>TL0722CP<br>TMP4320<br>TMS1022NLL   | 0.05<br>0.25<br>0.49<br>0.53<br>0.25<br>0.37<br>0.92<br>3.61<br>3.65<br>1.43<br>0.20<br>0.95<br>1.45<br>8.95<br>1.45<br>8.95  | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0073CE<br>X0073CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0096CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE   
   | 4.35<br>2.75<br>6.29<br>8.35<br>4.60<br>10.00<br>15.96<br>4.95<br>5.95<br>11.25<br>2.07<br>7.50   |
| LA4400<br>LA4420<br>LA4422<br>LA4430<br>LA4440<br>LA4445<br>LA4445<br>LA4461<br>LA4461<br>LA4505<br>LA5112N<br>LA7020<br>LA7025  | 1.25         M.JE340           4.95         M.JE520           3.92         M.IZ31           1.72         M.IZ31           1.72         M.IZ37B           1.56         M.IZ38           3.95         M.926           1.75         MM5318N           5.46         MM5318N           5.46         MM538N           1.68         MM538N           1.68         MM538N           1.68         MM538N           1.1.97         MM5841N  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>5.77 SA<br>3.00 SA<br>3.98 SA<br>3.98 SA<br>3.98 SA<br>3.11 S | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5030 8.25<br>AA5030 8.25<br>AA5050 7.74<br>AB3031 7.34<br>AB3011 7.34<br>AB3011 7.34<br>AB3013 3.76<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10   
   
   
  | SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76810N<br>SN76827N<br>SN94041<br>SN94041<br>SN94041<br>SN94041<br>SN94042<br>SP35384<br>ST1702L<br>STA401<br>STA401<br>STA411C<br>STA417C<br>STA417C<br>STA417C<br>STA417C   
   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.00<br>0.60<br>1.36<br>5.54<br>0.55<br>1.98<br>0.99<br>6.76<br>3.00<br>7.95<br>5.54  | TA7082P<br>TA7032P<br>TA7102P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7162P<br>TA7161P   | 8.86<br>3.99<br>5.88<br>1.61<br>3.71<br>0.52<br>2.34<br>1.50<br>1.27<br>1.89<br>0.98<br>3.37<br>2.50<br>4.23<br>1.67<br>3.26<br>2.72<br>3.45  | TBA820M<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA990<br>TBA990<br>TC40018P<br>TC4018P<br>TC4018P<br>TC40138P<br>TC4053BP<br>TC4053BP<br>TC4069<br>TC4069<br>TC4081BP<br>TC401069   
   | 9.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.98<br>1.98<br>1.98<br>1.98<br>3.50<br>3.75<br>3.15<br>4.34<br>2.25<br>2.76<br>3.25<br>3.25<br>1.98   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2578A<br>TDA2578A<br>TDA2578A<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595   | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>T 12.35<br>1.79<br>1.94<br>2.50<br>3.26<br>2.47<br>1.69<br>6.00<br>2.90<br>4.00   
   | 11P41C<br>11P42B<br>11P42B<br>11P42C<br>11P47<br>11P48<br>11P55A<br>11955A<br>11953A<br>11953A<br>11955A<br>11953A<br>11953A<br>11953A<br>11972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>110972<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>10072<br>1000 | 0.65<br>0.25<br>0.40<br>0.53<br>0.57<br>0.52<br>3.61<br>3.65<br>1.43<br>0.255<br>1.45<br>8.55<br>1.655<br>10.55   | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X007GE<br>X007GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0099CE<br>X0199CE<br>X0199CE<br>X0199CE<br>X0199CE<br>X0194CE<br>X0244CE<br>X0244CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X024CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE<br>X044CE | 4.35<br>2.75<br>6.089<br>8.35<br>4.60<br>15.55<br>4.55<br>5.55<br>11.25<br>2.67<br>7.50<br>8.74<br>8.75<br>3.665<br>2.55<br>7.50<br>8.74<br>8.75<br>3.665<br>2.55                       
   |
| LA4400<br>LA4420<br>LA4422<br>LA4422<br>LA4440<br>LA4445<br>LA4461<br>LA4461<br>LA4505<br>LA4505<br>LA5112N<br>LA7020<br>LA7025<br>LA7027<br>LA7040  | 125 MJE340<br>495 MJE520<br>312 MJE520<br>312 ML231<br>1.72 ML237B<br>1.56 ML238<br>1.56 ML238<br>1.56 ML238<br>1.56 ML238<br>1.56 ML5318N<br>1.68 MM5318N<br>1.86 MM538N<br>1.86 MM538N<br>1.86 MM538N<br>1.87 MM538N<br>1.88 MM538N<br>1.89 MM538N<br>1.97 MM5381<br>1.97 MM5881<br>1.97 MM5881<br>1  
   
   
  | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.31 SA<br>2.51 SA<br>3.00 SA<br>3.98 SA<br>3.98 SA<br>3.91 SA<br>3.91 SA<br>3.91 SA<br>3.91 SA<br>3.91 SA<br>3.11 SA<br>5.77 SA<br>3.92 SA<br>3.93 SA<br>3.94 SA<br>3.11 SA<br>5.72 SA<br>3.95 SA<br>3.11 SA<br>5.72 SA<br>3.95 SA<br>3.12 SA<br>5.72 SA<br>3.95 SA<br>3.12 SA<br>5.72 S | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5012 5.28<br>AA5020 5.78<br>AA5030 8.25<br>AA5050 7.74<br>AB3021 7.34<br>AB3021 7.90<br>AB3021 7.90<br>AB3024 6.36<br>AB3229 5.82<br>AB3210 3.10<br>AF1032 2.95<br>AS5010 8.39<br>AS5605 1.84   
   
   
   | SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76730<br>SN76810N<br>SN76810N<br>SN76810N<br>SN76832N<br>SN94041<br>SN94042<br>SP8328<br>SP55384<br>ST1702L<br>STA401<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA413029  | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.00<br>1.35<br>5.54<br>5.54<br>5.54<br>0.59<br>6.76<br>3.00<br>7.95<br>5.54<br>5.54<br>5.54<br>5.54   
  | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7161P<br>TA7161P<br>TA7161P   | 8.66<br>3.99<br>5.86<br>1.61<br>3.71<br>0.92<br>2.34<br>1.27<br>1.89<br>0.98<br>3.37<br>2.50<br>4.23<br>1.67<br>3.26<br>2.72<br>3.45<br>3.61  | TBA820M<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA990<br>TBA990<br>TC4018P<br>TC4018P<br>TC4018P<br>TC4013BP<br>TC4013BP<br>TC4053BP<br>TC4053BP<br>TC4053BP<br>TC4054BP<br>TC4054BP<br>TC4054BP<br>TC4054BP<br>TC4054BP<br>TC4054BP  | 9.82<br>2.50<br>1.53<br>2.31<br>1.87<br>1.98<br>1.98<br>3.25<br>3.15<br>3.15<br>3.15<br>4.34<br>2.25<br>2.76<br>3.25   
   | TDA2541<br>TDA25460<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2577A<br>TDA2576A+K1<br>TDA2581<br>TDA2581<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591  | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>T 12.35<br>1.79<br>1.94<br>2.50<br>3.26<br>2.47<br>1.09<br>2.98   | TIP41C           TIP42B           TIP42C           TIP47           TIP47           TIP48           TIP55A           TIS90           TL072           TL494CN           TL072           TL494CN           TL072           TL494CN           TL072           TL494CN           TMS1024NLL           TMS3720ANS           TMS3756  
  | 0.65<br>0.25<br>0.40<br>0.525<br>0.57<br>0.52<br>3.61<br>3.65<br>1.45<br>0.25<br>1.45<br>0.25<br>1.45<br>0.25<br>1.45<br>1.45<br>1.55<br>11.95<br>11.95<br>11.95<br>11.95   | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0076CE<br>X0076CE<br>X0074GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079C   | 4.35<br>2.25<br>6.08<br>8.35<br>4.600<br>15.96<br>4.95<br>5.95<br>5.95<br>5.95<br>7.50<br>8.14<br>8.75<br>7.50<br>8.14<br>8.75<br>2.05<br>2.05<br>2.05<br>2.05<br>2.05<br>2.05<br>2.05<br>2.0  
  |
| LA4400<br>LA4420<br>LA4422<br>LA4430<br>LA4440<br>LA4445<br>LA4461<br>LA4461<br>LA4505<br>LA505<br>LA505<br>LA7025<br>LA7027   | 1.25         M.JE340           4.95         M.JE520           3.92         M.Z311           1.72         M.L231           1.72         M.L231           1.75         M.L231           1.76         M.L231           1.77         M.M237B           3.95         M.1232           3.95         M.923           3.95         M.926           1.75         MM5316N           5.85         MM5316N           3.86         M.M5369N           1.86         M.M5369N           1.922         MN140501           9.200         MN1405170           3.390         MN1405170           9.200         MN1405170   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>5.77 SA<br>3.00 SA<br>3.00 SA<br>8.99 SA<br>9.16 SA<br>3.11 SA<br>2.01 SA<br>4.7N 6.20 SA<br>13.65 SA<br>13.65 SA<br>2.12.50 SA<br>2.05 SA  
                       | AA5000         2.50           AA5010         3.65           AA5112         5.28           AA5010         8.25           AA5010         8.25           AA5030         8.25           AA5030         8.25           AA5030         8.25           AA5050         7.74           AB1009B         5.98           AB3011         7.34           AB3021         7.90           AB3024         6.36           AB3209         5.82           AB3210         3.10           AF1032P         3.56           AS55001         8.39           AS55001         5.42           AS5707         5.42           AS5707         2.61   
   
   
  | SN75708<br>SN75708<br>SN75707N<br>SN75707N<br>SN76707N<br>SN76730<br>SN76810N<br>SN76832N<br>SN94041<br>SN94042<br>SP83384<br>ST1702L<br>STA401<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA41039<br>STK0039<br>STK0030<br>STK0030   | 2.48<br>1.20<br>4.86<br>5.11<br>6.60<br>6.60<br>1.36<br>5.54<br>5.54<br>5.54<br>5.55<br>1.98<br>0.99<br>6.76<br>3.00<br>7.95<br>5.54<br>5.54<br>5.54<br>5.54<br>7.72  | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7129P<br>TA7138AP<br>TA7138AP<br>TA7138AP<br>TA7138AP<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7152P<br>TA7161P<br>TA7169<br>TA7169<br>TA7169<br>TA7169  | 8.86<br>3.99<br>5.89<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.89<br>0.98<br>3.37<br>2.50<br>4.23<br>1.67<br>3.26<br>2.72<br>3.45<br>3.45<br>3.61<br>7.88<br>1.41  
   | TBA820M<br>TBA890<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA940<br>TBA950<br>TBA990<br>TBA990<br>TBA990<br>TC4011BP<br>TC4011BP<br>TC4013BP<br>TC4013BP<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P   | 8,82<br>2,50<br>1,53<br>2,31<br>1,87<br>1,98<br>3,56<br>3,56<br>3,56<br>3,55<br>3,15<br>4,34<br>4,25<br>2,76<br>3,25<br>1,98<br>5,44<br>11,34<br>1,84<br>1,84<br>1,84<br>1,84<br>1,84<br>1,84<br>1,84<br>1,8   |
TDA2541<br>TDA2540<br>TDA25460<br>TDA25460<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2576A<br>TDA2576A<br>TDA2582<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA259 | 1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>1.235<br>1.29<br>1.94<br>2.50<br>3.26<br>2.47<br>1.09<br>6.00<br>2.98<br>4.00<br>1.05<br>3.28<br>2.47   | TIP41C           TIP42A           TIP42B           TIP42B           TIP47           TIP48           TIP49           TIP543           TIS43           TIS90           TL011CP           TL022CP           TMS1025N           TMS3220ANS           TMS3375           TMS3375           TMS3375  |
0.65<br>0.25<br>0.453<br>0.25<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.325<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.37<br>0.355<br>0.375<br>0.355<br>0.375<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355<br>0.355 | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0057GE<br>X0077GE<br>X0077GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0096CE<br>X0199CE<br>X0199CE<br>X0193CE<br>X0193CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0294CE<br>X0194CE<br>X0294CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X0194CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE<br>X004CE   | 4.35<br>2.75<br>6.08<br>8.35<br>4.60<br>10.00<br>15.96<br>4.95<br>11.25<br>2.67<br>7.50<br>8.74<br>8.75<br>3.63<br>2.952<br>2.952   |
| LA4400<br>LA4420<br>LA4420<br>LA4430<br>LA4440<br>LA4440<br>LA4461<br>LA4461<br>LA461<br>LA461<br>LA461<br>LA505<br>LA5112N<br>LA7020<br>LA7025<br>LA7040<br>LA7040<br>LA7040<br>LA7801  | 1.25         M.JE340           4.95         M.JE520           3.92         M.I232           1.72         M.I2328           1.73         M.I237B           1.55         M.I237B           2.55         M.926           1.75         M.M531AN           2.95         M.M5316N           3.95         M.M536N           1.68         M.M536N           1.83         M.M536N           3.90         M.N1405           3.91         M.N1405  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>5.05 SA<br>11.05 SA<br>11.05 SA<br>11.05 SA<br>5.07 SA  | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5030 8.25<br>AA5030 8.25<br>AA5050 7.74<br>AA5030 8.25<br>AA5050 7.74<br>AB3011 7.34<br>AB3011 7.34<br>AB3011 7.34<br>AB3021 7.90<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AS560 5.42<br>AS5707 5.42<br>AS5705 2.61   
   
   
  | SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76820N<br>SN76820N<br>SN94041<br>SN94042<br>SP8385<br>SP8385<br>STA401<br>STA401<br>STA411C<br>STA401<br>STA411C<br>STA40029<br>STA401<br>STA411C<br>STK0009<br>STK0050<br>STK0050   
   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>0.60<br>1.35<br>5.54<br>5.54<br>0.55<br>1.98<br>6.76<br>3.00<br>7.95<br>5.54<br>5.51<br>1.99<br>6.76<br>3.00<br>7.95<br>5.51<br>1.2.78  | TA7082P<br>TA7082P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7109<br>TA7128/P<br>TA7128/P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7130P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7161P<br>TA7162P<br>TA71619  | 8.86<br>3.99<br>5.88<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.29<br>0.99<br>3.37<br>2.50<br>4.23<br>3.67<br>3.26<br>2.72<br>3.46<br>7.89<br>1.41<br>2.48<br>5.99  |
TBA820M<br>TBA890<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA940<br>TBA940<br>TBA940<br>TBA940<br>TBA990<br>TBA990<br>TBA990<br>TC4018P<br>TC4018P<br>TC4018P<br>TC4053P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC   | 8,82<br>2,50<br>1,53<br>2,31<br>1,87<br>1,94<br>3,56<br>3,155<br>4,34<br>4,225<br>2,76<br>3,25<br>1,96<br>5,44<br>11,34<br>1,86<br>9,95<br>1,05  | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2578A<br>TDA2578A<br>TDA2581<br>TDA2581<br>TDA2581<br>TDA2581<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA25 | 1.88<br>2.15<br>5.94<br>0.75<br>8.50<br>2.85<br>1.50<br>2.85<br>1.59<br>1.94<br>2.57<br>1.29<br>1.94<br>2.50<br>3.26<br>2.47<br>1.69<br>6.60<br>2.98<br>4.00<br>1.95<br>3.08<br>2.15<br>1.308<br>2.73  
  | TIP41C           TIP42B           TIP42C           TIP47           TIP47           TIP48           TIP55A           TIS90           TL072           TL494CN           TL072           TL494CN           TL072           TL494CN           TL072           TL494CN           TMS1024NLL           TMS3720ANS           TMS3756   | 0.65<br>0.25<br>0.40<br>0.525<br>0.57<br>0.52<br>3.61<br>3.65<br>1.45<br>0.25<br>1.45<br>0.25<br>1.45<br>0.25<br>1.45<br>1.45<br>1.55<br>11.95<br>11.95<br>11.95<br>11.95   |
X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0076CE<br>X0076CE<br>X0074GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079C   | 4.35<br>2.275<br>6.08<br>8.35<br>4.60<br>15.56<br>4.55<br>5.55<br>11.25<br>2.67<br>8.77<br>8.77<br>8.77<br>8.87<br>3.63<br>2.95<br>2.02<br>2.55<br>3.25<br>3.25<br>3.25<br>3.25   |
| LA4400<br>LA4420<br>LA4420<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4400<br>LA4400<br>LA4400<br>LA460<br>LA460<br>LA5112N<br>LA7025<br>LA7025<br>LA7040<br>LA7042<br>LA7040<br>LA7040<br>LA7801<br>LA7801<br>LA7801<br>LA7801  | 125         MJE340           495         MJE520           322         ML231           1.72         ML238           1.75         ML237B           1.56         ML238           1.75         MM5316N           2.95         M1923           3.95         M1926           1.75         MM5318N           3.86         MM538N           1.86         MM538N           1.92         MN14050           9.20         MN14051           1.30         MP1192           3.61         MP2794           9.20         MP2794   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.577 SA<br>3.00 SA<br>3.98 SA<br>3.98 SA<br>3.11 SA<br>3.98 SA<br>3.11 SA<br>3.98 SA<br>3.11 SA<br>3.40 SA<br>3.  | AA5000         2.50           AA5010         3.65           AA5012         5.28           AA5012         5.28           AA5012         5.28           AA5010         8.25           AA5010         8.25           AA5010         8.25           AA5030         8.25           AA5030         7.74           AB3021         7.34           AB3021         7.90           AB3024         6.36           AB3209         5.82           AB3201         3.10           AF1039         2.95           AS5601         5.42           AS5601         5.42           AS5705         2.61           AS580         2.25           AS6600         1.33           AS660         2.97  
   
   
   | SN76708<br>SN76709<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76820N<br>SN76832N<br>SN76832N<br>SN94042<br>SP8384<br>SP5384<br>ST1702L<br>STA401<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STK0029<br>STK0080<br>STK0080<br>STK013  
  | 2.48<br>1.20<br>4.80<br>3.30<br>5.11<br>6.60<br>0.60<br>1.36<br>5.54<br>5.54<br>0.59<br>6.76<br>3.00<br>7.95<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5   | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7145P<br>TA7165P<br>TA7165P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7176P<br>TA7176P<br>TA7176P<br>TA7139P<br>TA7139P<br>TA7139P<br>TA7139P<br>TA7139P  | 8.86<br>3.99<br>5.89<br>1.61<br>3.71<br>0.92<br>2.34<br>1.50<br>1.27<br>1.89<br>0.98<br>3.37<br>2.50<br>4.23<br>1.67<br>3.250<br>3.250<br>3.261<br>7.841<br>2.48  | TBA820M<br>TBA890<br>TBA920<br>TBA920<br>TBA920Q<br>TBA920Q<br>TBA920Q<br>TBA930<br>TBA930<br>TBA930<br>TBA930<br>TC4018P<br>TC4018P<br>TC40168P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4058P<br>TC4514BP<br>TC4514BP<br>TC4514BP<br>TC4570Q  
  | 8,82<br>2,50<br>1,53<br>2,31<br>1,84<br>3,56<br>3,56<br>3,55<br>3,15<br>4,34<br>2,25<br>2,76<br>3,25<br>3,15<br>4,34<br>2,25<br>2,76<br>3,25<br>1,98<br>3,25<br>1,98<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>11,34<br>111 | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2576A+K1<br>TDA2581<br>TDA2581<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2593<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2510<br>TEA2610<br>TEA2610<br>TEA2630<br>TDA2531<br>TDA2531  | 1.88<br>215<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>1.23<br>1.29<br>1.94<br>2.50<br>3.26<br>2.47<br>1.94<br>2.94<br>4.00<br>2.98<br>4.00<br>2.98<br>4.00<br>2.98<br>1.05<br>3.08<br>2.73<br>2.73<br>2.73<br>2.73<br>2.73<br>2.73<br>2.73<br>2.73  
  | TIP41C<br>TIP42A<br>TIP42B<br>TIP42C<br>TIP42C<br>TIP47<br>TIP48<br>TIP55A<br>TIS43<br>TIS90<br>TL011CP<br>TL072<br>TL494CN<br>TL072CP<br>TMS1024NLL<br>TMS1025N<br>TMS3720ANS<br>TMS3748NS<br>TMS376   | 0.65<br>0.25<br>0.53<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55<br>0.5   |
X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0076E<br>X0077GE<br>X0077GE<br>X0077GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0096CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0204CE<br>X0004CE<br>X0004CE<br>X0004CE<br>X0004CE<br>X0004CE<br>X0004CE<br>X0004CE<br>X0004CE 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4.35<br>6.275<br>6.88<br>8.355<br>4.60<br>10.00<br>4.355<br>4.55<br>5.55<br>2.67<br>7.55<br>0.82<br>2.55<br>3.65<br>3.255<br>0.82<br>2.15<br>3.255<br>0.82<br>2.15<br>3.255<br>0.82<br>2.15<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.255<br>3.2555<br>3.2555<br>3.2555<br>3.2555<br>3.2555<br>3.2555<br>3.25    |
| LA4400<br>LA4420<br>LA4422<br>LA4422<br>LA4440<br>LA4440<br>LA4440<br>LA4461<br>LA461<br>LA461<br>LA461<br>LA461<br>LA461<br>LA461<br>LA461<br>LA7020<br>LA7020<br>LA7020<br>LA7040<br>LA7040<br>LA7801<br>LA7801<br>LB1274<br>LC7800<br>LD3120<br>LD3150  | 1.25         MJE340           4.95         MJE520           3.92         ML231           1.72         ML238           1.75         ML237B           1.56         ML237B           1.55         ML237B           3.95         ML237B           1.75         MM5316N           5.85         MM5316N           5.85         MM5389A           1.92         MN140504           9.20         MN140504           9.20         MN140504           9.20         MN140504           1.00         MP2794           9.20         MP2596  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>5.77 SA<br>3.00 SA<br>8.99 SA<br>9.16 SA<br>3.11 SA<br>2.01 SA<br>4.00 SA<br>13.05 SA<br>13.05 SA<br>13.05 SA<br>2.05 SA<br>5.77 SA<br>3.00 SA<br>5.77 SA  | AA5000         2.50           AA5010         3.65           AA5112         5.28           AA5010         8.25           AA5010         8.25           AA5010         8.25           AA5030         8.25           AA5050         7.74           AB1009B         5.98           AB3011         7.34           AB3013         3.76           AB3024         6.36           AB3209         5.82           AB3210         3.10           AF1032P         3.56           AS55001         8.39           AS55001         5.42           AS55001         5.42           AS5500         1.33           AS5600         1.33           AS6800         2.97           AS6800         2.97           AS6700         1.33           AS6700         3.36  
   
   
  | SN75708<br>SN75708<br>SN75707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>SN76832N<br>ST702L<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STK013<br>STK013<br>STK014<br>STK015   
   | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>0.60<br>1.35<br>5.54<br>5.54<br>0.99<br>6.76<br>3.00<br>7.95<br>5.54<br>5.11<br>12.78<br>7.72<br>9.16<br>5.08<br>9.25<br>9.80<br>7.75   | ТА7082Р<br>ТА7083Р<br>ТА7102Р<br>ТА7108Р<br>ТА7108Р<br>ТА7108Р<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7138АР<br>ТА7138АР<br>ТА7137Р<br>ТА7137Р<br>ТА7146<br>ТА7146Р<br>ТА7146Р<br>ТА7146Р<br>ТА7148Р<br>ТА7148Р<br>ТА7146Р<br>ТА7161Р<br>ТА7161Р<br>ТА7162Р<br>ТА7162Р<br>ТА7176Р<br>ТА7176Р<br>ТА7176Р<br>ТА7120Р  | 8.06<br>3.99<br>5.00<br>1.61<br>3.71<br>0.52<br>2.34<br>1.50<br>1.20<br>1.20<br>1.20<br>1.20<br>4.23<br>4.23<br>1.67<br>3.37<br>2.72<br>3.61<br>3.250<br>2.72<br>3.61<br>3.250<br>2.72<br>3.61<br>1.41<br>2.80<br>1.41<br>2.71<br>2.16  | TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA950<br>TBA950<br>TBA950<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA054<br>TCA058<br>TCA059<br>TCA058<br>TCA058<br>TCA058<br>TCA058<br>TCA70S<br>TCA70S<br>TCA720S<br>TCA720S  
   | 9,82<br>2,50<br>1,53<br>1,84<br>3,56<br>3,25<br>3,15<br>3,15<br>3,15<br>3,15<br>3,15<br>3,25<br>2,76<br>3,25<br>2,76<br>3,25<br>2,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,25<br>2,26<br>2,26   | TDA2541<br>TDA2540<br>TDA25460<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2576A<br>TDA2576A<br>TDA2582<br>TDA2581<br>TDA2581<br>TDA2591<br>TDA2593<br>TDA2595<br>TDA2600<br>TDA26120<br>TDA26120<br>TDA26120<br>TDA26120<br>TDA26120<br>TDA26120<br>TDA26120<br>TDA2631<br>TDA2630<br>TDA2652<br>TDA2653  | 1.88<br>215<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>1.23<br>3.26<br>2.50<br>3.26<br>2.50<br>3.26<br>2.50<br>3.26<br>2.50<br>3.26<br>2.50<br>3.26<br>2.50<br>3.26<br>2.50<br>3.26<br>3.25<br>1.09<br>6.00<br>2.15<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>1.05<br>3.25<br>3.25<br>3.25<br>3.25<br>3.25<br>3.25<br>3.25<br>3.2  
   | TIP41C       TIP42A       TIP42A       TIP42B       TIP47       TIP48       TIP543       TIS43       TIS90       TL011CP       TL02CP       TMS102N       TMS3720ANS       TMS376       TMS376       TMS375       TMS375       TMS375       TMS394NL       Full list a  | 0,65<br>0,26<br>0,40<br>0,53<br>0,27<br>0,57<br>0,57<br>0,57<br>0,57<br>0,57<br>1,43<br>0,55<br>1,45<br>0,55<br>1,59<br>0,17<br>1,65<br>5,16<br>1,55<br>1,59<br>0,12<br>1,59<br>0,12<br>1,59<br>0,12<br>1,59<br>0,12<br>1,59<br>0,12<br>1,59<br>0,12<br>1,59<br>0,10<br>0,20<br>0,27<br>0,27<br>0,27<br>0,27<br>0,27<br>0,27<br>0,2   | X0040TA<br>X0042CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0077GE<br>X0077GE<br>X0077GE<br>X0077CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240CE<br>X0240C   |
4.35<br>2.75<br>6.25<br>6.00<br>8.355<br>4.60<br>10.00<br>15.55<br>5.55<br>5.55<br>5.55<br>5.55<br>0.82<br>2.07<br>7.50<br>3.83<br>2.05<br>3.83<br>2.05<br>3.25<br>0.82<br>2.05<br>3.25<br>3.25<br>0.82<br>0.82<br>0.82<br>0.82<br>0.83<br>0.83<br>0.83<br>0.83<br>0.83   |
| LA4400<br>LA4420<br>LA4420<br>LA4442<br>LA4430<br>LA4440<br>LA4440<br>LA4461<br>LA4460<br>LA4461<br>LA4610<br>LA7020<br>LA7020<br>LA7027<br>LA7020<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA | 1.25         M.JE340           4.95         M.JE520           3.92         M.L232           1.72         M.L2328           1.72         M.L237B           1.55         M.L237B           2.95         M.923           3.95         M.923           3.95         M.923           3.95         M.923           3.95         M.923           3.95         M.926           3.95         M.923           1.07         M.M5314N           1.68         M.M5394N           1.69         M.M5316N           3.90         M.N1435V           3.90         M.N1435V           1.00         M.N6016N           3.91         M.974           3.92         M.N1435V           1.00         M.9794           3.61         M.P2312           3.61         M.P2312           3.61         M.P2312           3.75         M.P2526C   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>8.99 SA<br>8.99 SA<br>2.01 SA<br>2.0  | AA5000         2.50           AA5010         3.65           AA5011         3.65           AA5012         5.28           AA5010         8.25           AA5010         8.25           AA5030         8.25           AA5030         8.25           AA5030         8.25           AA5030         8.25           AA5030         8.25           AA5031         3.76           AB3011         7.34           AB3012         7.90           AB3024         6.36           AB3209         5.82           AB3210         3.10           AF10329         3.56           AS5601         5.42           AS5601         5.42           AS5600         2.95           AS5600         2.61           AS6800         2.97           AS6800         2.93           AS6700         3.96           AS6701         3.30           AS6703         3.66           AS6703         3.66   
   
   
   |
SN75708<br>SN75708<br>SN75707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76827N<br>SN94041<br>SN94041<br>SN94041<br>SN94041<br>SN94041<br>SN94042<br>SP35384<br>ST7002L<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST441C<br>ST40050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK011<br>STK013<br>STK014<br>STK015<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK016<br>STK05<br>STK016<br>STK016<br>STK016<br>STK05<br>STK05<br>STK05<br>ST                      | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>0.60<br>0.36<br>5.54<br>5.54<br>5.55<br>1.98<br>6.76<br>3.00<br>7.95<br>5.51<br>12.78<br>7.72<br>5.08<br>9.280<br>9.280<br>7.75<br>8.45<br>5.25   | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7138AP<br>TA7138AP<br>TA7138AP<br>TA7138AP<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7161P<br>TA7161P<br>TA7169<br>TA7169<br>TA7169<br>TA7169<br>TA7169<br>TA7109<br>TA7105P<br>TA7105P<br>TA7205P<br>TA7205P   | 8.65<br>3.99<br>1.61<br>3.71<br>1.89<br>9.38<br>2.50<br>4.23<br>3.87<br>2.50<br>3.25<br>2.72<br>3.45<br>2.72<br>3.45<br>7.88<br>1.47<br>7.88<br>1.47<br>7.88<br>5.89<br>2.48<br>5.89<br>5.48<br>5.99<br>5.48<br>5.48<br>5.48<br>5.48<br>5.48<br>5.48<br>5.48<br>5.48  
   | TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA970<br>TBA970<br>TCA01BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA033BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA   | 9.82<br>2.50<br>1.53<br>1.87<br>1.84<br>3.56<br>3.25<br>3.55<br>4.34<br>2.25<br>2.76<br>3.25<br>2.76<br>3.25<br>1.98<br>5.84<br>11.34<br>1.86<br>5.84<br>11.34<br>1.86<br>5.84<br>1.85<br>5.44<br>1.85<br>2.29<br>2.25<br>2.29<br>2.21<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.24<br>2.25<br>2.25   | TDA2540<br>TDA2540<br>TDA2540<br>TDA2540<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2576A<br>TDA2576A<br>TDA2582<br>TDA2581<br>TDA2591<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593 |
1.88<br>2.15<br>5.94<br>0.75<br>0.50<br>2.85<br>3.66<br>2.57<br>1.235<br>1.29<br>1.235<br>3.26<br>2.50<br>3.26<br>2.47<br>1.49<br>6.09<br>4.00<br>2.98<br>4.00<br>2.99<br>4.00<br>2.99<br>13.08<br>2.15<br>5.308<br>2.15<br>5.308<br>2.15<br>5.308<br>2.15<br>5.308<br>2.15<br>5.50<br>3.26<br>2.99<br>1.49<br>5.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>4.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.99<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.95<br>5.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.00<br>2.0  | TIP41C       TIP42A       TIP42A       TIP42B       TIP47       TIP48       TIP543       TIS43       TIS90       TL011CP       TL02CP       TMS102N       TMS102N       TMS3750       TMS3750       TMS3750       TMS3750       TMS3750       TMS394NL       Full list a       or SAL   | 0.95<br>0.26<br>0.53<br>0.27<br>0.37<br>0.37<br>0.37<br>0.37<br>0.37<br>0.37<br>0.37<br>0.3   |
X0040TA<br>X0D42CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0056CE<br>X0076E<br>X0077GE<br>X0077GE<br>X0077CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0090CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027   | 4.35<br>2.75<br>6.25<br>6.00<br>8.355<br>4.60<br>10.00<br>15.55<br>5.55<br>2.07<br>7.50<br>8.14<br>8.75<br>3.63<br>3.63<br>3.63<br>3.25<br>0.43<br>0.43<br>0.43<br>0.43   |
| LA4400<br>LA4420<br>LA4420<br>LA4420<br>LA4440<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4461<br>LA460<br>LA460<br>LA460<br>LA460<br>LA7025<br>LA7020<br>LA7040<br>LA7042<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7025<br>LA7040<br>LA7025<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7025<br>LA7040<br>LA7025<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7040<br>LA7040<br>LA7025<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040 | 1.25         M.JE340           4.95         M.JE520           3.92         M.L232           1.77         M.L2328           1.72         M.L237B           1.55         M.L237B           2.55         M.L237B           3.95         M.923           3.95         M.926           3.95         M.95316N           2.56         MM5316N           3.95         M.M3561N           1.68         M.M536N           1.97         M.M45510N           3.90         MN1405           3.90         MN1405           3.91         M.1405           3.92         M.N40591N           3.93         MN1405           3.94         M.1405           3.95         M.972142           3.61         M.P2734           1.30         M.P6112           3.61         M.P2731           3.61         M.P2731           3.61         M.P2732           3.61         M.P2812           1.13         M.P61596           1.75         M.P5261C           3.43         M.P5442           1.75         M.P5A42   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>5.   | AA5000 2.50<br>AA5010 3.65<br>AA5012 5.28<br>AA5030 8.25<br>AA5030 8.25<br>AA5050 7.74<br>AA5030 8.25<br>AA5050 7.74<br>AB3011 7.34<br>AB3011 7.34<br>AB3011 7.34<br>AB3021 7.90<br>AB3021 7.90<br>AB3021 7.90<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AB3024 6.36<br>AB3029 5.82<br>AB3210 3.10<br>AB3024 6.36<br>AB3024 5.82<br>AB3021 5.42<br>AS5705 2.61<br>AS5800 1.33<br>AS580 1.33<br>AS5870 1.33<br>AS5870 1.33<br>AS5870 1.33<br>AS6710 2.21<br>AS5701 2.21<br>AS6710 2.21<br>AB4750 1.61  
   
   
  |
SN76708<br>SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76730<br>SN76820N<br>SN76820N<br>SN94041<br>SN94041<br>SN94042<br>SP8385<br>ST7702L<br>ST4011<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050  | 2.48<br>1.20<br>4.86<br>3.30<br>5.11<br>6.60<br>6.60<br>0.60<br>1.35<br>5.54<br>5.54<br>5.54<br>5.55<br>1.98<br>0.93<br>6.76<br>3.00<br>7.95<br>5.54<br>5.54<br>5.55<br>1.98<br>0.76<br>5.55<br>5.11<br>12.78<br>9.25<br>9.80<br>9.25<br>9.80<br>9.25<br>9.80<br>8.75<br>8.45   | ТА7082Р<br>ТА7082Р<br>ТА7102Р<br>ТА7108Р<br>ТА7108Р<br>ТА7108<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7138АР<br>ТА7136АР<br>ТА7136АР<br>ТА7136Р<br>ТА7146Р<br>ТА7146Р<br>ТА7146Р<br>ТА7148Р<br>ТА7148Р<br>ТА7148Р<br>ТА7148Р<br>ТА7148Р<br>ТА7149Р<br>ТА7161Р<br>ТА7161Р<br>ТА7162Р<br>ТА7162Р<br>ТА7162Р<br>ТА7162Р<br>ТА7165Р<br>ТА7162Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7165Р<br>ТА7105Р   | 8.06<br>3.309<br>5.88<br>5.161<br>3.71<br>1.27<br>1.89<br>0.96<br>3.37<br>2.50<br>4.23<br>4.67<br>3.26<br>2.72<br>3.461<br>7.80<br>5.861<br>7.80<br>5.861<br>7.81<br>2.18<br>5.90   
   | TBA820M<br>TBA920<br>TBA920<br>TBA920<br>TBA920Q<br>TBA920Q<br>TBA950<br>TBA990<br>TBA990<br>TC4018P<br>TC4018P<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4016BP<br>TC4020S<br>TC4270S<br>TC4270S<br>TC4270SQ<br>TC4270SQ<br>TC4270SQ<br>TC4266Q<br>TC466Q<br>TC4666B  | 9,82<br>2,50<br>1,53<br>1,84<br>1,84<br>1,98<br>1,98<br>3,25<br>3,50<br>3,75<br>3,35<br>3,35<br>3,35<br>3,35<br>3,35<br>3,35<br>3,35   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2576A+K1<br>TDA2581<br>TDA2581<br>TDA2581<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2591<br>TDA2593<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2595<br>TDA2510<br>TEA2610<br>TEA2610<br>TDA2510<br>TDA2511<br>TDA2510<br>TDA2551<br>TDA2552<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2654<br>TDA2653   | $\begin{array}{c} 1.88\\
2.15\\ 5.94\\ 4.075\\ 0.75\\ 0.594\\ 2.85\\ 2.85\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 2.57\\ 3.26\\ 6.90\\ 2.15\\ 5.73\\ 2.95\\ 2.73\\ 2.95\\ 2.73\\ 2.95\\ 2.56\\ 1.94\\ 2.56\\ 1.94\\ 2.56\\ 1.95\\ 2.73\\ 2.95\\ 2.56\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.254\\ 2.255\\ 2.2$  | TIP41C       TIP42A       TIP42A       TIP42B       TIP42F       TIP47       TIP48       TIP543       TIS43       TIS90       TL01CP       TL02CP       TMS102NL       TMS102NL       TMS102NLL       Full list a       or SAI       Telephe  | 0.65<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.27<br>0.22<br>0.27<br>0.22<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25<br>0.25  |
X0040TA<br>X0042CE<br>X0043CE<br>X0043CE<br>X0056CE<br>X0056CE<br>X0076E<br>X0077GE<br>X0077GE<br>X0077GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0090CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0196CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X0197CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027CE<br>X027C   | 4.35<br>2.75<br>6.25<br>6.25<br>6.26<br>8.35<br>4.60<br>10.00<br>15.96<br>4.95<br>5.55<br>5.55<br>5.55<br>5.55<br>5.55<br>5.55<br>8.14<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.75<br>8.75<br>8.74<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75  |
| LA4400<br>LA4420<br>LA4420<br>LA4430<br>LA4440<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4400<br>LA4401<br>LA460<br>LA460<br>LA460<br>LA7025<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7025<br>LA7040<br>LA7042<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7801<br>LA7802<br>LA7801<br>LA7801<br>LA7802<br>LA7801<br>LA7802<br>LA7801<br>LA7802<br>LA7801<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA7802<br>LA780 | 1.25         M.JE340           4.95         M.JE520           3.92         M.JE31           1.72         M.L2328           1.72         M.L231B           1.55         M.L233           3.95         M.923           3.95         M.923           3.95         M.923           3.95         M.M5318N           3.86         MM538N           1.86         MM538N           1.97         M.M541N           9.20         M.N1405           3.90         M.1435           3.90         M.1435           3.91         M.9261           1.38         M.92612           1.34         M.926570           1.75         M.9256570           1.75         M.9256570           1.75         M.9256570           1.75         M.9256570           1.75         M.926570           1.75         M.9256570           1.75         M.926570           1.75         M.926570           1.75         M.926570           1.75         M.926570           1.75         M.926570      1.75         M.926570   
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5012         5.28           AA5010         3.65           AA5010         8.25           AA5000         8.25           AA5000         8.25           AA5000         8.25           AA5011         7.34           AA5020         7.74           AB3013         3.76           AB3011         7.34           AB3012         7.90           AB3013         3.76           AB3024         6.36           AB3029         5.82           AB3109         5.80           AB3109         5.80           AB3210         3.10           AF10329         3.58           AF10329         3.58           AF10329         3.58           AS5500         1.83           AS5500         2.42           AS5500         2.42           AS5600         2.35           AS6800         2.35           AS6800         2.97           AS6700         1.33           AS6710         2.24           AS6700         1.36           C0340  
   
   
  |
SN76708<br>SN76708<br>SN76707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76832N<br>SN76832N<br>SN76832N<br>SN94041<br>SN94042<br>SP83384<br>ST702L<br>STA441C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA41C<br>STA0050<br>STK0039<br>STK0039<br>STK0039<br>STK0039<br>STK0039<br>STK0030<br>STK0030<br>STK013<br>STK013<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK025<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>STK05<br>ST | 248<br>4.86<br>3.30<br>6.60<br>1.35<br>5.54<br>5.54<br>5.54<br>5.54<br>9.80<br>6.7,95<br>5.54<br>5.54<br>9.80<br>9.25<br>9.80<br>9.25<br>8.45<br>9.25<br>8.45<br>9.25<br>8.45<br>9.25<br>8.45<br>9.25<br>8.45<br>9.25<br>8.45<br>9.25<br>8.45<br>9.25<br>8.45<br>8.45<br>8.45<br>9.25<br>8.45<br>8.45<br>8.45<br>8.45<br>8.45<br>8.45<br>8.45<br>8.4  | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7176P<br>TA7176P<br>TA7176P<br>TA7105P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P   | 8
65<br>3.99<br>1.61<br>3.71<br>1.50<br>1.52<br>2.34<br>1.50<br>3.37<br>7.25<br>3.45<br>1.27<br>3.26<br>3.37<br>3.272<br>3.45<br>1.27<br>3.26<br>3.37<br>1.41<br>2.78<br>3.45<br>2.71<br>2.345<br>2.71<br>2.345<br>3.271<br>2.345<br>3.271<br>2.345<br>3.271<br>2.345<br>3.37<br>1.41<br>3.271<br>3.276<br>3.37<br>3.276<br>3.376<br>3.377<br>3.276<br>3.376<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.276<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.377<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.376<br>3.3776<br>3.3776<br>3.3776<br>3.37776<br>3.3776<br>3.37777777777                          | TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA950<br>TBA950<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA05BP<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5BC<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA5C<br>TCA   | 9,82<br>2,50<br>1,53<br>1,84<br>3,56<br>3,25<br>3,50<br>3,75<br>3,15<br>3,25<br>2,76<br>3,25<br>2,76<br>3,25<br>2,76<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2578A<br>TDA2582<br>TDA2581<br>TDA2581<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA25120<br>TDA25120<br>TDA2631<br>TDA2552<br>TDA2631<br>TDA2553<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2553<br>TDA2653<br>TDA2553  
  | 1.88<br>215<br>5.94<br>0.75<br>0.285<br>3.46<br>2.57<br>1.235<br>1.24<br>2.50<br>3.267<br>1.94<br>2.50<br>3.267<br>2.47<br>1.94<br>2.98<br>4.890<br>2.98<br>4.800<br>2.98<br>3.08<br>2.15<br>3.08<br>2.255<br>3.265<br>3.265<br>3.265<br>3.08<br>2.51<br>3.08<br>2.51<br>3.08<br>2.51<br>3.08<br>3.255<br>3.255<br>3.256<br>3.256<br>3.256<br>3.256<br>3.256<br>3.257<br>3.256<br>3.257<br>3.256<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.257<br>3.2577<br>3.2577<br>3.2577<br>3.2577<br>3.2577<br>3.2577<br>3.25777<br>3.257777<br>3.25777777777777777777777777777777777777   | TIP41C           TIP42A           TIP42B           TIP42C           TIP47           TIP48           TIP53A           TIS90           TL0172           TL448           TUP49           TIP543           TLS43           TLS43           TLS43           TLS43           TLS43           TLS43           TLM22           TL4494CN           TL072           TL4940N           TL072           TMP4320           TMS3760NS           TMS3760NS           TMS3750NS           TMS3750NS           TMS3750NS           TMS3750NS           TMS3750NS           TMS3750NS           TMS3750NLL           Full list a           Or SAI           Telephos           (24m.)   | 0.65<br>0.25<br>0.49<br>0.53<br>0.25<br>0.37<br>0.52<br>0.37<br>0.52<br>0.37<br>0.52<br>0.37<br>0.52<br>0.37<br>0.52<br>0.37<br>0.52<br>0.53<br>0.53<br>0.53<br>0.55<br>0.55<br>0.55<br>0.55<br>0.55   
  | X0040TA           X0040TA           X0042CE           X0042CE           X0043CE           X0043CE           X0056CE           X0067CE           X0077GE           X0077GE           X0077GE           X0097CE           X00902CE           X0196CE           X0196CE           X0196CE           X0196CE           X0196CE           X02113CE           X0240CE           X0240CE           X0240CE           X0240CE           X0240CE           X0240CE           X0240CE           X0250CE           X0240CE           X0222AF           X0240CE           X0250CE           X0260CE           X030           ZPY120           ZTK33   | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>10.00<br>15.55<br>4.55<br>5.55<br>11.25<br>2.67<br>7.55<br>3.63<br>3.63<br>3.63<br>3.63<br>3.63<br>3.63<br>3.63<br>3  |
| LA4400<br>LA4420<br>LA4420<br>LA4442<br>LA4430<br>LA4440<br>LA4461<br>LA4460<br>LA4461<br>LA4605<br>LA5112N<br>LA7020<br>LA7027<br>LA7020<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>L | 1.25         M.JE340           4.95         M.JE320           3.92         M.Z311           1.72         M.Z37B           1.75         M.Z37B           1.55         M.237B           1.56         M.237B           3.95         M.923           3.95         M.923           3.95         M.923           1.77         M.M5314N           2.95         M.M5314N           1.98         M.M5314N           1.90         M.N105841N           1.92         M.N1435V           3.90         M.1435V           3.90         M.1435V           3.90         M.1435V           1.00         M.N105841N           1.00         M.1405V           3.91         M.97512           3.92         M.1405V           3.93         M.1405V           3.94         M.P294           3.92         M.1405V           3.93         M.1405V           3.94         M.P294           3.95         M.P5550           1.75         M.P5550           1.75         M.P54561           3.43         M.PSA56  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>8.99 SA<br>8.99 SA<br>2.01 SA<br>3.00 SA<br>3.   | AA5000         2.50           AA5010         3.65           AA5011         3.65           AA5010         3.65           AA5010         8.25           AA5030         8.25           AA5031         3.76           AB3011         7.34           AB3021         7.90           AB3024         6.36           AB3209         5.82           AB3201         3.10           AF10329         3.56           AF10329         3.56           AS5500         2.61           AS5600         2.95           AS5600         1.33           AS6700         3.96           AS6700         3.96           AS6700         3.96           AS6700         3.96           AS6700         3.96           C39504         1.61           C39504         1.61           C39504         1.61           C39504   
   
   
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SN75708<br>SN75708<br>SN75707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76810N<br>SN76832N<br>SN94042<br>SP8384<br>SN94042<br>SP8384<br>ST4041<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST44111<br>ST44111<br>ST45111<br>ST451                      | 248<br>120<br>4.86<br>5.060<br>6.00<br>1.35<br>5.54<br>5.54<br>7.75<br>5.54<br>7.75<br>8.45<br>5.54<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>8.45<br>7.75<br>7.75<br>8.45<br>7.75<br>7.75<br>7.75<br>7.75<br>7.75<br>7.75<br>7.75<br>7 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TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7138AP<br>TA7137P<br>TA7137P<br>TA7137P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7146P<br>TA7161P<br>TA7161P<br>TA7161P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7105P<br>TA7201P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7207P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P 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   | TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA940<br>TBA950<br>TBA950<br>TCA018P<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA031BP<br>TCA31BP<br>TCA31BP<br>TCA31BP<br>TCA31BP<br>TCA31BP<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320<br>TCA320   | 8,82<br>2,50<br>1,53<br>1,87<br>1,84<br>3,56<br>3,25<br>3,25<br>3,25<br>2,76<br>3,25<br>2,76<br>3,25<br>2,26<br>1,98<br>4,34<br>2,25<br>2,26<br>1,98<br>4,34<br>2,25<br>2,26<br>2,26<br>2,26<br>3,36<br>3,37<br>5,44<br>1,184<br>1,84<br>2,25<br>2,26<br>2,26<br>3,36<br>2,25<br>5,44<br>1,184<br>1,84<br>2,25<br>5,44<br>1,184<br>1,84<br>2,25<br>5,44<br>1,184<br>1,84<br>1,84<br>1,84<br>1,84<br>1,84<br>1,84   | TDA2541<br>TDA2540<br>TDA25460<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2576A<br>TDA2581<br>TDA2581<br>TDA2581<br>TDA2591<br>TDA2591<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA25120<br>TDA2513<br>TDA2513<br>TDA2553<br>TDA2640<br>TDA2553<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2553<br>TDA2653<br>TDA2553<br>TDA2653<br>TDA2570<br>TDA2570<br>TDA2780A<br>TDA2780A<br>TDA2780A  | $\begin{array}{c} 1.88\\
2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.75\\ 2.87\\ 1.28\\ 2.50\\ 2.87\\ 1.79\\ 1.94\\ 1.94\\$  | TIP41C           TIP42A           TIP42A           TIP42B           TIP42C           TIP47           TIP48           TIP56A           TIS90           TL072           TL494CN           TL072           TL494CN           TL072           TL494CN           TL072           TL494CN           TMS102NLL           TMS102NLL           TMS3726ANS           TMS3726ANS           TMS3726NS           TMS3720ANS           TMS3795           TMS3796N           TMS102NLL           Full list a           Or SAU           Celepha           (24hr           for Access   | 0.65<br>0.25<br>0.48<br>0.53<br>0.27<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.52<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.55<br>0.57<br>0.57  |
X0040TA<br>X0042CE<br>X0043CE<br>X0043CE<br>X0043CE<br>X00456CE<br>X00456CE<br>X0046CE<br>X0074GE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0079CE<br>X0074CE<br>X0079CE<br>X0079CE<br>X0074CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X0070CE<br>X007   | 4.35<br>2.75<br>6.25<br>6.89<br>8.35<br>4.60<br>10.00<br>15.55<br>11.25<br>5.55<br>11.25<br>2.67<br>7.7.55<br>8.74<br>8.75<br>3.66<br>2.45<br>3.25<br>0.43<br>0.43<br>0.43<br>0.43<br>0.43<br>0.44<br>0.44<br>0.44  |
| LA4400<br>LA4420<br>LA4420<br>LA4420<br>LA4440<br>LA4430<br>LA4440<br>LA4461<br>LA4610<br>LA4610<br>LA4610<br>LA7020<br>LA7020<br>LA7020<br>LA7040<br>LA7042<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA | 1.25         M.JE340           4.95         M.JE520           3.92         M.L2318           1.77         M.L2328           1.72         M.L237B           1.55         M.L237B           2.95         M.923           3.95         M.923           3.95         M.923           3.95         M.923           3.95         M.923           1.75         M.M5316N           3.86         M.M5316N           3.96         M.M5318N           3.96         M.M5318N           3.96         M.M5316N           3.97         M.M45591N           3.98         M.M4591N           3.99         M.1435V           3.90         M.N1405           3.91         M.N601A           3.92         M.P132           3.61         M.P2342           3.61         M.P2542           3.75         M.P2562           3.75         M.P2542           3.75         M.P2542           3.75         M.PS442           3.62         M.PS442           3.63         M.PSU56           3.75         M.PSU56  <  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5011         5.28           AA5010         5.78           AA5010         5.78           AA5010         5.78           AA5000         5.78           AA5000         5.78           AA5000         5.78           AA5000         5.78           AA5000         5.78           AA5020         5.78           AA5020         5.78           AA5020         5.78           AA5020         5.78           AA5020         5.78           AB3011         7.34           AB3012         7.90           AB3024         6.36           AB3024         6.36           AB3209         5.82           AB3210         3.10           AF10329         2.95           AS5500         1.83           AS55001         5.42           AS5600         1.33           AS6670         3.96           AS6670         3.93           C424203         119.35           DA2006         1.93           DA2000         1.93           DA2   
   
   
   | SN76708<br>SN76708<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76822N<br>SN76822N<br>SN76820N<br>SN76820N<br>SN76820N<br>SN76820N<br>SN76820N<br>SN94041<br>SN94042<br>SP8385<br>ST702L<br>STA401<br>STA401<br>STA411C<br>STA411C<br>STA411C<br>STK0029<br>STK0029<br>STK0039<br>STK0039<br>STK0039<br>STK0039<br>STK004<br>STK0050<br>STK013<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK025<br>STK031<br>STK043<br>STK054<br>STK054<br>STK054<br>STK054<br>STK054<br>STK054   
  | 248<br>120<br>4.86<br>3.30<br>6.60<br>0.60<br>1.35<br>5.54<br>5.54<br>5.55<br>1.98<br>8.0.99<br>5.55<br>1.98<br>5.54<br>1.278<br>7.75<br>5.54<br>1.278<br>5.02<br>5.54<br>1.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.278<br>5.2785<br>5.278<br>5.278<br>5.278<br>5.2785<br>5.2785<br>5.2785<br>5.2 | ТА7082Р<br>ТА7082Р<br>ТА7102Р<br>ТА7108Р<br>ТА7108Р<br>ТА7108Р<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7128Р<br>ТА7138АР<br>ТА7136АР<br>ТА7136Р<br>ТА7136Р<br>ТА7146Р<br>ТА7146Р<br>ТА7146Р<br>ТА7146Р<br>ТА7146Р<br>ТА7148Р<br>ТА7146Р<br>ТА7148Р<br>ТА7146Р<br>ТА7161Р<br>ТА7161Р<br>ТА7162Р<br>ТА7169<br>ТА7120Р<br>ТА7120Р<br>ТА7120Р<br>ТА7120Р<br>ТА7120Р<br>ТА7205Р<br>ТА7205Р<br>ТА7205Р<br>ТА7208Р<br>ТА7208Р<br>ТА7208Р<br>ТА7202Р   | 8 66<br>3 99<br>1.61<br>3.72<br>2.34<br>1.61<br>1.27<br>1.80<br>3.37<br>4.23<br>3.45<br>2.72<br>3.45<br>3.26<br>4.23<br>3.46<br>1.27<br>7.80<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,7<br>2.18<br>4.23<br>3.46<br>1.2,9<br>4.23<br>3.46<br>1.2,80<br>1.2,80<br>1.2,90<br>4.23<br>3.46<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,72<br>2.18<br>4.23<br>3.46<br>1.2,90<br>4.23<br>3.46<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.2,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80<br>1.4,80  |
TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA970<br>TBA970<br>TBA970<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA03BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA750S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA720S<br>TCA  | 9,82<br>2,50<br>1,53<br>1,84<br>3,56<br>3,25<br>3,15<br>3,15<br>3,15<br>4,34<br>2,25<br>2,76<br>3,25<br>1,98<br>5,44<br>11,34<br>1,86<br>5,44<br>11,34<br>1,86<br>5,44<br>11,34<br>1,86<br>5,44<br>2,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25  | 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 | $\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.75\\ 2.85\\ 2.57\\ 1.94\\ 2.50\\ 2.57\\ 1.94\\ 2.50\\ 3.26\\ 2.57\\ 1.94\\ 2.50\\ 3.26\\ 2.50\\ 3.26\\ 2.50\\ 3.26\\ 2.50\\ 3.26\\ 5.11\\ 3.66\\ 6.00\\ 5.14\\ 3.26\\ 5.25\\ 5.6\\ 6.00\\ 5.14\\ 3.26\\ 5.25\\ 3.26\\ 5.02\\ 5.13\\ 2.55\\ 5.02\\ 5.13\\ 2.55\\ 5.02\\
5.02\\ $  | TIP41C         TIP42A         TIP42B         TIP42B         TIP42F         TIP47         TIP48         TIP55A         TL011CP         TL0712         TL444CN         TL011CP         TMS1024MLL         TMS1025NL         TMS3746NS         TMS502NLL   | 0.65<br>0.25<br>0.49<br>0.53<br>0.37<br>0.37<br>0.37<br>0.37<br>0.37<br>0.37<br>0.37<br>0.3   | X0040TA           X0040TA           X0042CE           X0042CE           X0043CE           X0043CE           X0056CE           X0067CE           X0077GE           X0077GE           X0077GE           X0097CE           X00902CE           X0196CE           X0196CE           X0196CE           X0196CE           X0196CE           X02113CE           X0240CE           X0240CE           X0240CE           X0240CE           X0240CE           X0240CE           X0240CE           X0250CE           X0240CE           X0222AF           X0240CE           X0250CE           X0260CE           X030           ZPY120           ZTK33  
  | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>10.00<br>15.55<br>4.55<br>5.55<br>11.25<br>2.67<br>7.595<br>8.74<br>8.75<br>3.68<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.425<br>0.455<br>0.455<br>0.455<br>0.455<br>0.455<br>0.455<br>0.455<br>0.455<br>0.455<br>0.455  |
| LA4400<br>LA4420<br>LA4420<br>LA4420<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA4430<br>LA7025<br>LA7040<br>LA7042<br>LA7042<br>LA7042<br>LA7040<br>LA7042<br>LA7040<br>LA7042<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA | 125 MJE340<br>495 MJE520<br>392 ML231<br>177 ML2328<br>177 ML2328<br>175 ML2378<br>175 ML2378<br>175 MM5314N<br>255 MJ926<br>175 MM5314N<br>386 MM538N<br>188 MM538N<br>188 MM538N<br>188 MM538N<br>189 MM538N  
   
   
   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5012         5.28           AA5010         3.65           AA5010         8.25           AA5030         8.26           AA5031         7.90           AB3011         7.34           AB3013         3.76           AB3021         7.90           AB3021         7.90           AB3021         7.90           AB3021         3.10           AB3023         3.10           AS5205         1.86           AS5501         5.42           AS5500         1.33           AS5601         2.35           AS660         2.37           AS660         2.97           AS6700         1.33           AS6701         2.21           AS6701         2.21           AS6701         2.27           AS6701         2.97           DA2006 <td>SN76708<br/>SN76708<br/>SN76709N<br/>SN76709N<br/>SN76707N<br/>SN76730<br/>SN76820N<br/>SN76820N<br/>SN76820N<br/>SN76820N<br/>SN76820N<br/>SN76810N<br/>SN76820N<br/>SN76820N<br/>SN76820N<br/>SN76820N<br/>STA401<br/>STA401<br/>STA401<br/>STA41C<br/>STA41C<br/>STA41C<br/>STA40029<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK0050<br/>STK015<br/>STK015<br/>STK015<br/>STK015<br/>STK015<br/>STK015<br/>STK025<br/>STK025<br/>STK077<br/>STK078</td> <td>248<br/>120<br/>426<br/>3300<br/>1355<br/>551<br/>554<br/>554<br/>0.97<br/>554<br/>0.97<br/>554<br/>300<br/>0.97<br/>554<br/>12.98<br/>9.80<br/>9.92<br/>5.94<br/>5.54<br/>12.95<br/>8.866<br/>12.95<br/>8.866<br/>12.95<br/>8.866<br/>12.95<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>1.27<br/>7.757<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.866<br/>8.866<br/>8.867<br/>8.867<br/>8.867<br/>8.867<br/>8.866<br/>8.866<br/>8.866<br/>8.867<br/>8.867<br/>8.867<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.866<br/>8.868<br/>8.868<br/>8.868<br/>8.868<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.88888<br/>8.8888<br/>8.8888<br/>8.8888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.88888<br/>8.888888</td>
<td>TA7082P<br/>TA7083P<br/>TA7102P<br/>TA7108P<br/>TA7108P<br/>TA7108P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7138AP<br/>TA7136AP<br/>TA7137P<br/>TA7136AP<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA716P<br/>TA716P<br/>TA716P<br/>TA716P<br/>TA716P<br/>TA716P<br/>TA716P<br/>TA7205P<br/>TA7206P<br/>TA7206P<br/>TA7206P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7208P<br/>TA7214P<br/>TA7214P<br/>TA7214P<br/>TA7214P<br/>TA7214P<br/>TA7214P<br/>TA7214P<br/>TA7214P</td> <td>8 865<br/>3 999<br/>5 889<br/>1.161<br/>3.052<br/>2.34<br/>1.507<br/>1.274<br/>3.264<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.801<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7.802<br/>7</td> <td>TBA8200<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC401BP<br/>TC402BP<br/>TC402BP<br/>TC402BP<br/>TC402BP<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC4270SI<br/>TC42660B<br/>TC4260<br/>TC4260<br/>TC4280<br/>TC4280<br/>TC4280<br/>TC4280<br/>TC4280<br/>TC4280<br/>TC4280<br/>TC4280<br/>TC4280</td> <td>9,82<br/>2,50<br/>1,53<br/>1,84<br/>3,56<br/>3,25<br/>3,50<br/>3,75<br/>3,15<br/>4,34<br/>2,25<br/>2,76<br/>3,25<br/>3,25<br/>1,98<br/>4,34<br/>1,84<br/>4,225<br/>2,76<br/>3,25<br/>2,76<br/>3,25<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>3,85<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,27<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48<br/>2,48</td>
<td>TDA2541<br/>TDA2540<br/>TDA25450<br/>TDA25450<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2578A<br/>TDA2578A<br/>TDA2582<br/>TDA2591<br/>TDA2591<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA25120<br/>TDA25120<br/>TDA2513<br/>TDA2553<br/>TDA2630<br/>TDA2631<br/>TDA2553<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA22590<br/>TDA22995<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2295<br/>TDA2255<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>TDA2570<br/>T</td> <td><math display="block">\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.59\\ 1.59\\ 4.59\\ 1.28\\ 2.50\\ 2.85\\ 2.57\\ 1.79\\ 1.94\\ 2.50\\ 3.26\\ 1.79\\ 2.50\\ 3.26\\ 1.73\\ 2.250\\ 3.26\\ 1.99\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 1.28</math></td> <td>TIP41C           TIP42A           TIP42A           TIP42B           TIP47           TIP48           TIP47           TIP48           TIP55A           TIS13           TIS80           TL017           TL444C           TIP49           TIP55A           TL017           TL444CN           TL022P           TM\$3102M           TM\$3102M           TM\$3102M           TM\$33756           TM\$33756           TM\$33756           TM\$33756           TM\$33756           TM\$3394MN           TM\$5102NLL           Full list a           or \$All           Telephe           (24hr.           for Access           TEL           Stock           For quantitie</td> <td>0.65<br/>0.25<br/>0.49<br/>0.53<br/>0.37<br/>0.37<br/>0.37<br/>0.341<br/>1.43<br/>0.43<br/>1.43<br/>0.45<br/>1.45<br/>1.45<br/>1.45<br/>1.45<br/>1.45<br/>1.45<br/>1.45<br/>1</td> <td>X0040TA           X0040TA           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0056CE           X007GE           X0097GE           X0097CE           X0092CE           X0196CE           X0195CE           X0195CE           X0195CE           X0296CE           X0195CE           X0296CE           X0195CE           X0297CE           X0296CE           X0195CE           X0297CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE</td> <td>4.35<br/>2.75<br/>6.25<br/>6.88<br/>8.35<br/>4.60<br/>10.00<br/>15.55<br/>11.25<br/>5.55<br/>11.25<br/>2.67<br/>7.50<br/>8.14<br/>8.75<br/>3.63<br/>2.95<br/>3.25<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43</td>   
  | SN76708<br>SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76730<br>SN76820N<br>SN76820N<br>SN76820N<br>SN76820N<br>SN76820N<br>SN76810N<br>SN76820N<br>SN76820N<br>SN76820N<br>SN76820N<br>STA401<br>STA401<br>STA401<br>STA41C<br>STA41C<br>STA41C<br>STA40029<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK0050<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK015<br>STK025<br>STK025<br>STK077<br>STK078  
   | 248<br>120<br>426<br>3300<br>1355<br>551<br>554<br>554<br>0.97<br>554<br>0.97<br>554<br>300<br>0.97<br>554<br>12.98<br>9.80<br>9.92<br>5.94<br>5.54<br>12.95<br>8.866<br>12.95<br>8.866<br>12.95<br>8.866<br>12.95<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>1.27<br>7.757<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.867<br>8.866<br>8.866<br>8.867<br>8.867<br>8.867<br>8.867<br>8.866<br>8.866<br>8.866<br>8.867<br>8.867<br>8.867<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.866<br>8.868<br>8.868<br>8.868<br>8.868<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.8888<br>8.88888<br>8.8888<br>8.8888<br>8.8888<br>8.88888<br>8.88888<br>8.88888<br>8.88888<br>8.88888<br>8.88888<br>8.88888<br>8.88888<br>8.88888<br>8.888888   | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7138AP<br>TA7136AP<br>TA7137P<br>TA7136AP<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA716P<br>TA716P<br>TA716P<br>TA716P<br>TA716P<br>TA716P<br>TA716P<br>TA7205P<br>TA7206P<br>TA7206P<br>TA7206P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7208P<br>TA7214P<br>TA7214P<br>TA7214P<br>TA7214P<br>TA7214P<br>TA7214P<br>TA7214P<br>TA7214P  | 8 865<br>3 999<br>5 889<br>1.161<br>3.052<br>2.34<br>1.507<br>1.274<br>3.264<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.801<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7.802<br>7 | TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC401BP<br>TC402BP<br>TC402BP<br>TC402BP<br>TC402BP<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC4270SI<br>TC42660B<br>TC4260<br>TC4260<br>TC4280<br>TC4280<br>TC4280<br>TC4280<br>TC4280<br>TC4280<br>TC4280<br>TC4280<br>TC4280  
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| $\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.59\\ 1.59\\ 4.59\\ 1.28\\ 2.50\\ 2.85\\ 2.57\\ 1.79\\ 1.94\\ 2.50\\ 3.26\\ 1.79\\ 2.50\\ 3.26\\ 1.73\\ 2.250\\ 3.26\\ 1.99\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 2.98\\ 4.46\\ 1.19\\ 1.28\\
1.28\\ 1.28$   | TIP41C           TIP42A           TIP42A           TIP42B           TIP47           TIP48           TIP47           TIP48           TIP55A           TIS13           TIS80           TL017           TL444C           TIP49           TIP55A           TL017           TL444CN           TL022P           TM\$3102M           TM\$3102M           TM\$3102M           TM\$33756           TM\$33756           TM\$33756           TM\$33756           TM\$33756           TM\$3394MN           TM\$5102NLL           Full list a           or \$All           Telephe           (24hr.           for Access           TEL           Stock           For quantitie   | 0.65<br>0.25<br>0.49<br>0.53<br>0.37<br>0.37<br>0.37<br>0.341<br>1.43<br>0.43<br>1.43<br>0.45<br>1.45<br>1.45<br>1.45<br>1.45<br>1.45<br>1.45<br>1.45<br>1  | X0040TA           X0040TA           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0056CE           X007GE           X0097GE           X0097CE           X0092CE           X0196CE           X0195CE           X0195CE           X0195CE           X0296CE           X0195CE           X0296CE           X0195CE           X0297CE           X0296CE           X0195CE           X0297CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE           X02907CE  | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>10.00<br>15.55<br>11.25<br>5.55<br>11.25<br>2.67<br>7.50<br>8.14<br>8.75<br>3.63<br>2.95<br>3.25<br>0.43<br>0.43<br>0.43<br>0.43<br>0.43<br>0.43<br>0.43<br>0.43  
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  | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>3.98 SA<br>9.98 SA<br>9.96 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5012         5.28           AA5012         5.28           AA5010         8.25           AA5000         8.25           AA5000         8.25           AA5000         8.25           AA5020         5.78           AA5020         5.78           AA5020         5.78           AA5020         5.98           AB3011         7.34           AB3012         7.90           AB3013         3.76           AB3024         6.36           AB3021         7.90           AB3010         3.10           AH10329         3.58           AF10329         3.58           AS5500         1.83           AS5500         2.45           AS5500         2.45           AS5600         2.35           AS6800         2.35           AS6800         2.35           AS6700         3.36           AS6700         3.96           AS6700         1.93           C032006         1.93           G2524A         6.45           G131<   
   
   
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SN76708<br>SN76708<br>SN76707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76832N<br>SN76810N<br>SN76832N<br>SN94042<br>SP8384<br>ST8401<br>ST4401<br>ST4401<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST4411<br>ST44111<br>ST44111<br>ST4411<br>ST4411<br>ST44111<br>ST44111<br>ST44111<br>ST                      | 248<br>120<br>426<br>5511<br>6.60<br>0.60<br>0.60<br>135<br>554<br>554<br>554<br>554<br>554<br>554<br>6.76<br>0.99<br>6.76<br>5.54<br>12.78<br>9.16<br>5.08<br>9.80<br>9.85<br>5.84<br>8.45<br>8.45<br>8.45<br>8.45<br>8.45<br>8.45<br>8  | 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TBA820M<br>TBA820<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA940<br>TBA950<br>TBA950<br>TCA018P<br>TCA018P<br>TCA018P<br>TCA018P<br>TCA018P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P<br>TCA058P 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  | 4.35<br>2.75<br>6.25<br>6.88<br>8.35<br>4.60<br>15.96<br>4.95<br>5.55<br>5.55<br>5.55<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.75<br>8.74<br>8.75<br>8.74<br>8.75<br>8.75<br>8.75<br>8.74<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75<br>8.75   |
| LA4400<br>LA4420<br>LA4422<br>LA4420<br>LA4442<br>LA4430<br>LA4440<br>LA4440<br>LA4440<br>LA4461<br>LA4610<br>LA7020<br>LA7020<br>LA7020<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA7040<br>LA | 125         MJE340           495         MJE520           392         ML2312           1.77         ML2328           1.72         ML2318           1.75         ML2318           1.75         ML5314N           2.95         ML933           3.95         ML933           3.95         ML933           3.95         MMS316N           2.95         MMS318N           3.96         MMS318N           3.97         MN14350N           3.98         MN14050           3.99         MN14051           3.90         MN14051           3.91         MN14051           3.92         MN14051           3.93         MN14051           3.94         MN14051           3.95         MPS1250           3.96         MPS1250           3.97         MPS1250           3.98         MPSU56           3.99         MPSU56           3.99         MPSU56           3.90         MPSU56           3.91         MPSU56           3.92         MPSU56           3.93         MPSU56 <t< td=""><td>1.89 SA<br/>1.05 SA<br/>0.49 SA<br/>0.49 SA<br/>0.49 SA<br/>0.49 SA<br/>0.49 SA<br/>3.33 SA<br/>3.01 SA<br/>3.00 SA<br/>3.98 SA<br/>8.99 SA<br/>8.99 SA<br/>2.01 SA<br/>2.0</td><td>AA5000         2.50           AA5010         3.65           AA5010         3.65           AA5010         5.78           AA5010         8.25           AA5030         8.26           AA5020         7.74           AB3011         7.34           AB3012         7.90           AB3024         6.36           AB3024         6.36           AB3024         6.36           AB302         5.82           AB3103         3.76           AS200         5.82           AB3024         5.36           AB302         5.82           AB302         5.82           AB302         5.82           AS5601         5.42           AS5601         5.42           AS5601         1.33           AS6700         1.33           AS6700         1.33      &gt;AS6700        
1</td><td>SN76708<br/>SN76708<br/>SN76709N<br/>SN76709N<br/>SN76707N<br/>SN76707N<br/>SN76730<br/>SN76822N<br/>SN76822N<br/>SN94042<br/>SP8384<br/>SN94042<br/>SP8384<br/>ST7702L<br/>STA401<br/>STA401<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA411C<br/>STA511C<br/>STA5</td><td>2.48<br/>1.20<br/>4.86<br/>3.30<br/>6.60<br/>0.60<br/>1.35<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.64<br/>5.68<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.54<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.64<br/>5.66<br/>6.66<br/>5.76<br/>5.64<br/>5.65<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6.66<br/>6</td><td>TA7082P<br/>TA7083P<br/>TA7102P<br/>TA7108P<br/>TA7108P<br/>TA7108P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7135AP<br/>TA7135AP<br/>TA7135AP<br/>TA7135AP<br/>TA7146<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7148P<br/>TA7152P<br/>TA7161P<br/>TA7161P<br/>TA7161P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7105P<br/>TA7105P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA7222P</td><td>8 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389<br/>1.61<br/>1.05<br/>1.27<br/>1.27<br/>2.34<br/>1.22<br/>1.450<br/>1.22<br/>3.250<br/>4.23<br/>3.250<br/>4.23<br/>3.250<br/>4.23<br/>3.250<br/>3.27<br/>3.26<br/>2.50<br/>1.67<br/>3.26<br/>2.50<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.250<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.67<br/>3.26<br/>2.18<br/>5.08<br/>1.27<br/>3.26<br/>2.18<br/>5.08<br/>1.27<br/>3.26<br/>2.18<br/>5.08<br/>1.27<br/>3.250<br/>1.27<br/>3.26<br/>2.18<br/>5.08<br/>1.27<br/>3.63<br/>3.55<br/>3.63<br/>3.55<br/>3.63<br/>3.55<br/>3.63<br/>3.55<br/>3.63<br/>3.55<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.63<br/>3.65<br/>3.65<br/>3.65<br/>3.65<br/>3.65<br/>3.65<br/>3.65<br/>3.65<br/>3.57<br/>2.56<br/>3.65<br/>3.57<br/>3.65<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.57<br/>3.5</td><td>TBA8200<br/>TBA820<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA940<br/>TBA950<br/>TBA940<br/>TBA950<br/>TBA950<br/>TBA950<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA033BP<br/>TCA054<br/>TCA054<br/>TCA054<br/>TCA054<br/>TCA054<br/>TCA054<br/>TCA054<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<br/>TCA54<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display="block">\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.75\\ 2.87\\ 1.28\\ 2.50\\ 2.87\\ 1.28\\ 2.50\\ 3.26\\ 1.29\\ 2.50\\ 3.26\\ 1.29\\ 4.46\\ 1.09\\ 0.295\\ 4.46\\ 1.09\\ 0.295\\ 4.46\\ 1.09\\ 0.295\\ 4.46\\ 1.09\\ 0.295\\ 0.295\\ 0.12\\ 2.55\\ 0.12\\ 2.55\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.12\\ 0.295\\ 0.2</math></td><td>TIP41C         TIP42A         TIP42B         TIP42B         TIP47         TIP48         TIP49         TIP53A         TIS43         TIS90         TL01CP         TL072         TL444CN         TL072         TM444CN         TL072         TM440N         TL072CP         TM53024ML         TMS3720AMS         TMS3756         TMS3756         TMS37502NLL         Full list a         Or SAI         Telephse         (24hr.         for Access         Orders from         Nationals etc.         Autors from</td><td>0.65<br/>0.25<br/>0.49<br/>0.53<br/>0.47<br/>0.53<br/>0.37<br/>0.57<br/>0.57<br/>0.57<br/>0.57<br/>0.57<br/>1.65<br/>0.57<br/>1.65<br/>0.57<br/>1.65<br/>0.57<br/>1.65<br/>0.57<br/>1.65<br/>0.57<br/>1.65<br/>0.57<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.65<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>0.55<br/>1.55<br/>1</td><td>X0040TA           X0040TA           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0042CE           X0056CE           X007GE           X0097CE           X0092CE           X00902CE           X0196CE           X0197CE           X0297CE           X0196CE           X0197CE           X0297CE           X0197CE           X0297CE           X0197CE           X0297CE           X0213CE           X0227           X033           X002 - 71           x033849C           xs by post on           xed with
offic</td><td>4.35<br/>2.75<br/>6.25<br/>6.88<br/>8.35<br/>4.60<br/>10.00<br/>15.55<br/>4.55<br/>5.55<br/>11.25<br/>2.67<br/>7.595<br/>0.82<br/>2.67<br/>7.595<br/>0.82<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0</td></t<> | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>8.99 SA<br>8.99 SA<br>2.01 SA<br>2.0  | AA5000         2.50           AA5010         3.65           AA5010         3.65           AA5010         5.78           AA5010         8.25           AA5030         8.26           AA5020         7.74           AB3011         7.34           AB3012         7.90           AB3024         6.36           AB3024         6.36           AB3024         6.36           AB302         5.82           AB3103         3.76           AS200         5.82           AB3024         5.36           AB302         5.82           AB302         5.82           AB302         5.82           AS5601         5.42           AS5601         5.42           AS5601         1.33           AS6700         1.33           AS6700         1.33      >AS6700         1  
   
   
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SN76708<br>SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76822N<br>SN76822N<br>SN94042<br>SP8384<br>SN94042<br>SP8384<br>ST7702L<br>STA401<br>STA401<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA411C<br>STA511C<br>STA5 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   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5011         3.65           AA5010         5.78           AA5010         8.25           AA5000         8.25           AA5000         8.25           AA5000         8.25           AA5020         8.25           AA5020         8.25           AA5020         8.26           AA5021         7.90           AB3011         7.34           AB3012         7.90           AB3024         6.36           AB3024         6.36           AB3024         6.36           AB3021         3.10           AB3024         5.82           AB3210         3.10           AS500         8.39           AS5501         5.42           AS5700         5.42           AS5600         1.33           AS66710         2.27           AS66700         1.36           AS6670         1.36           AS6670         1.36           AS6670         1.36           AS6670         1.36           AS6670         2.59           DA2006<  
   
   
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SN76708<br>SN76708<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76827N<br>SN76822N<br>SN76820N<br>SN94041<br>SN94042<br>SP8385<br>ST702L<br>ST4041<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST40050<br>ST40050<br>ST40050<br>ST40050<br>ST40050<br>ST40050<br>ST40050<br>ST40050<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST4005<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST4          | 248<br>120<br>4.86<br>3.30<br>0.60<br>0.60<br>0.60<br>0.60<br>0.554<br>5.54<br>5.54<br>0.99<br>8.67<br>0.300<br>7.95<br>5.54<br>12.95<br>9.80<br>7.95<br>5.54<br>12.97<br>9.84<br>5.554<br>12.95<br>9.80<br>7.75<br>5.54<br>12.97<br>9.84<br>5.554<br>12.95<br>5.54<br>12.95<br>5.54<br>12.95<br>5.54<br>12.95<br>5.54<br>12.95<br>5.54<br>12.95<br>5.54<br>12.95<br>5.54<br>12.95<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5   | TA7082P<br>TA7082P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7120P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA72205P<br>TA72205P<br>TA72226<br>TA72226<br>TA7223P  | 8 865<br>8 865<br>3 999<br>5
880<br>1.61<br>1.251<br>0.52<br>2.34<br>1.50<br>1.27<br>2.34<br>1.50<br>1.27<br>2.34<br>1.50<br>1.27<br>2.34<br>1.50<br>1.27<br>2.34<br>1.50<br>1.27<br>2.34<br>1.57<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.37<br>7.80<br>1.249<br>3.36<br>3.37<br>7.80<br>1.249<br>3.451<br>3.363<br>3.59<br>1.249<br>3.451<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.249<br>3.57<br>2.560<br>1.450<br>3.57<br>2.560<br>1.450<br>3.57<br>2.560<br>1.450<br>3.57<br>2.560<br>1.450<br>3.57<br>2.560<br>3.57<br>2.560<br>3.57<br>2.560<br>3.57<br>2.560<br>3.57<br>2.560<br>3.57<br>2.560<br>3.57<br>2.560<br>3.57<br>3.57<br>2.560<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3. 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9,82<br>2,50<br>1,53<br>1,84<br>1,98<br>1,98<br>1,98<br>3,25<br>3,50<br>3,75<br>2,276<br>3,25<br>2,276<br>3,25<br>2,276<br>3,25<br>2,276<br>3,25<br>2,276<br>3,25<br>2,276<br>3,25<br>2,26<br>4,34<br>11,34<br>1,98<br>9,98<br>2,275<br>3,05<br>2,276<br>3,25<br>2,26<br>4,34<br>1,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,34<br>1,98<br>4,299<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,294<br>2,29   | TDA2541<br>TDA2540<br>TDA25450<br>TDA25450<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2575A<br>TDA2578A<br>TDA2578A<br>TDA2582<br>TDA2581<br>TDA2581<br>TDA2581<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2593<br>TDA2610<br>TDA28100<br>TDA28100<br>TDA28100<br>TDA2830<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2653<br>TDA2670<br>TDA2795<br>TDA2795<br>TDA2795<br>TDA2910<br>TDA2791<br>TDA2300<br>TDA3300<br>TDA3300<br>TDA3500   
   | $\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.75\\ 2.85\\ 2.59\\ 1.23\\ 2.50\\ 2.85\\ 2.57\\ 1.23\\ 2.50\\$  | TIP41C         TIP42A         TIP42B         TIP42C         TIP47         TIP48         TIP49         TIP53A         TIS90         TL011CP         TL072         TM4302         TL072         TM4302         TM53720ANS         TM53720ANS         TM53720ANS         TM53720ANS         TM5375         TM5376         TM5376         TM53770ANS         TM5384ML         TM5384ML         TM55102NLL   | 0.65<br>0.25<br>0.49<br>0.53<br>0.25<br>0.37<br>0.35<br>0.37<br>1.43<br>0.42<br>0.42<br>0.42<br>0.42<br>0.42<br>0.42<br>0.42<br>1.43<br>0.43<br>1.45<br>0.45<br>1.45<br>0.45<br>1.45<br>0.45<br>1.45<br>0.45<br>1.45<br>0.45<br>1.45<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.47<br>0.45<br>0.45<br>0.47<br>0.45<br>0.45<br>0.45<br>0.45<br>0.45<br>0.45<br>0.45<br>0.45  
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| 125         M.JE340           495         M.JE520           392         M.JE520           392         M.Z328           1.72         M.I237B           1.55         M.I237B           1.55         M.I237B           1.55         M.I237B           1.75         M.MS31AN           2.55         M.MS516N           5.85         M.MS563N           1.86         M.MS563N           1.86         M.MS563N           1.97         M.MS563N           3.90         M.N1405           3.90         M.N1405 <td>1.89 SA<br/>1.05 SA<br/>0.49 SA<br/>0.49 SA<br/>0.49 SA<br/>0.49 SA<br/>0.49 SA<br/>3.30 SA<br/>3.01 SA<br/>3.00 SA<br/>3.98 SA<br/>9.16 SA<br/>2.01 SA<br/>2.01 SA<br/>4.01 SA<br/>4.01 SA<br/>4.01 SA<br/>5.07 SA<br/>4.00 SA<br/>5.07 SA<br/>5.07 SA<br/>4.00 SA<br/>5.07 SA<br/>5.</td> <td>AA5000         2.50           AA5010         3.65           AA5011         3.65           AA5010         5.78           AA5010         8.25           AA5000         8.25           AA5000         8.25           AA5020         8.25           AA5020         8.26           AA5020         8.26           AA5020         8.26           AA5020         8.26           AA5020         8.26           AB3011         7.34           AB3012         7.90           AB3021         7.90           AB3021         7.90           AB3021         7.90           AB3021         3.10           AB3021         3.10           AS501         8.6           AS501         8.6           AS501         8.4           AS500         1.83           AS500         1.33           AS560         2.61           AS5700         3.36           AS6700         1.33           AS6700         1.35           G2524A         6.65           G613         10.75           G6523</td> <td>SN76708<br/>SN76708<br/>SN76709N<br/>SN76709N<br/>SN76707N<br/>SN76707N<br/>SN76730<br/>SN76822N<br/>SN76820N<br/>SN76820N<br/>SN94041<br/>SN94042<br/>SP8385<br/>ST7702L<br/>ST4011<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4010<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4000<br/>ST4</td> <td>248<br/>120<br/>426<br/>5300<br/>1355<br/>551<br/>554<br/>554<br/>555<br/>198<br/>676<br/>300<br/>676<br/>508<br/>555<br/>198<br/>676<br/>508<br/>555<br/>1098<br/>676<br/>508<br/>555<br/>1098<br/>676<br/>508<br/>555<br/>1298<br/>508<br/>508<br/>508<br/>508<br/>508<br/>508<br/>508<br/>508<br/>508<br/>50</td> <td>TA7082P<br/>TA7082P<br/>TA7102P<br/>TA7108P<br/>TA7108P<br/>TA7108P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7136AP<br/>TA7136AP<br/>TA7136AP<br/>TA7136AP<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7148P<br/>TA7148P<br/>TA7148P<br/>TA7148P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7222P<br/>TA7222P<br/>TA7223P<br/>TA72240AP<br/>TA7232P<br/>TA7232P<br/>TA7232P</td> <td>8 865<br/>8 865<br/>3 999<br/>5 988<br/>1 161<br/>1 3 25<br/>2 34<br/>4 150<br/>7 80<br/>4 167<br/>3 25<br/>4 167<br/>3 25<br/>4 167<br/>3 25<br/>4 150<br/>7 80<br/>1 2 46<br/>9 96<br/>9 96<br/>1 2 46<br/>9 96<br/>1 2 46<br/>3 50<br/>1 3 55<br/>5 59<br/>2 2 55<br/>5 59<br/>2 2 55<br/>5 59<br/>2 2 55<br/>5 59<br/>2 3 55<br/>5 59<br/>2 5<br/>5 59<br/>5 5<br/>5 5</td>
<td>TBA820<br/>TBA820<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA920<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013BP<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA013C<br/>TCA000<br/>TCA013C<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA000<br/>TCA00</td> <td>9,82<br/>2,50<br/>1,53<br/>1,84<br/>3,56<br/>3,25<br/>3,50<br/>3,75<br/>3,15<br/>4,34<br/>2,25<br/>2,76<br/>3,25<br/>3,25<br/>3,25<br/>3,25<br/>3,25<br/>2,76<br/>3,25<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>2,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,27<br/>3,26<br/>3,27<br/>3,27<br/>3,26<br/>3,27<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,26<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,27<br/>3,37<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3,38<br/>3</td> <td>TDA2540<br/>TDA2540<br/>TDA2540<br/>TDA25450<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2578A<br/>TDA2582<br/>TDA2581<br/>TDA2581<br/>TDA2591<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA25120<br/>TDA25120<br/>TDA2630<br/>TDA2630<br/>TDA2631<br/>TDA2552<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2653<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA2553<br/>TDA25553<br/>TDA25553<br/>TD</td> <td><math display="block">\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 5.94\\ 0.75\\ 2.85\\ 2.594\\ 0.75\\ 2.85\\ 2.594\\ 2.50\\ 2.85\\ 2.57\\ 1.94\\ 2.50\\ 3.26\\ 2.50\\ 3.26\\ 2.50\\ 3.26\\ 2.98\\ 4.86\\ 2.98\\
4.86\\ 2.98\\ 4.86\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 2.98\\ 4.86\\ 4.8</math></td> <td>TIP41C<br/>TIP42A<br/>TIP42A<br/>TIP42B<br/>TIP42C<br/>TIP47<br/>TIP48<br/>TIP49<br/>TIP55A<br/>TIS90<br/>TL072<br/>TL994CN<br/>TL072<br/>TL994CN<br/>TL072CP<br/>TM9124NL1<br/>TM51025N<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM53740NS<br/>TM537</td> <td>0.65<br/>0.25<br/>0.49<br/>0.53<br/>0.37<br/>0.32<br/>0.32<br/>0.32<br/>0.32<br/>0.32<br/>0.32<br/>0.32<br/>0.32</td> <td>X0040TA<br/>X0042CE<br/>X0043CE<br/>X0056CE<br/>X00766CE<br/>X00766CE<br/>X0076CE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X007</td>
<td>4.35<br/>2.75<br/>6.25<br/>6.80<br/>8.35<br/>4.60<br/>10.00<br/>15.95<br/>4.55<br/>5.95<br/>11.25<br/>2.67<br/>7.9.59<br/>8.74<br/>8.75<br/>3.63<br/>2.45<br/>3.25<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045</td>  | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.30 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5011         3.65           AA5010         5.78           AA5010         8.25           AA5000         8.25           AA5000         8.25           AA5020         8.25           AA5020         8.26           AA5020         8.26           AA5020         8.26           AA5020         8.26           AA5020         8.26           AB3011         7.34           AB3012         7.90           AB3021         7.90           AB3021         7.90           AB3021         7.90           AB3021         3.10           AB3021         3.10           AS501         8.6           AS501         8.6           AS501         8.4           AS500         1.83           AS500         1.33           AS560         2.61           AS5700         3.36           AS6700         1.33           AS6700         1.35           G2524A         6.65           G613         10.75           G6523   
   
   
  | SN76708<br>SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76822N<br>SN76820N<br>SN76820N<br>SN94041<br>SN94042<br>SP8385<br>ST7702L<br>ST4011<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4010<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4000<br>ST4                      | 248<br>120<br>426<br>5300<br>1355<br>551<br>554<br>554<br>555<br>198<br>676<br>300<br>676<br>508<br>555<br>198<br>676<br>508<br>555<br>1098<br>676<br>508<br>555<br>1098<br>676<br>508<br>555<br>1298<br>508<br>508<br>508<br>508<br>508<br>508<br>508<br>508<br>508<br>50  
   | TA7082P<br>TA7082P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7136AP<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7148P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7222P<br>TA7222P<br>TA7223P<br>TA72240AP<br>TA7232P<br>TA7232P<br>TA7232P  | 8 865<br>8 865<br>3 999<br>5 988<br>1 161<br>1 3 25<br>2 34<br>4 150<br>7 80<br>4 167<br>3 25<br>4 167<br>3 25<br>4 167<br>3 25<br>4 150<br>7 80<br>1 2 46<br>9 96<br>9 96<br>1 2 46<br>9 96<br>1 2 46<br>3 50<br>1 3 55<br>5 59<br>2 2 55<br>5 59<br>2 2 55<br>5 59<br>2 2 55<br>5 59<br>2 3 55<br>5 59<br>2 5<br>5 59<br>5 5<br>5 5   | TBA820<br>TBA820<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013BP<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA013C<br>TCA000<br>TCA013C<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA000<br>TCA00  |
9,82<br>2,50<br>1,53<br>1,84<br>3,56<br>3,25<br>3,50<br>3,75<br>3,15<br>4,34<br>2,25<br>2,76<br>3,25<br>3,25<br>3,25<br>3,25<br>3,25<br>2,76<br>3,25<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,25<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>2,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,27<br>3,26<br>3,27<br>3,27<br>3,26<br>3,27<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,26<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,27<br>3,37<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3,38<br>3 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   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.33 SA<br>3.01 SA<br>3.01 SA<br>3.00 SA<br>3.98 SA<br>8.99 SA<br>8.99 SA<br>8.99 SA<br>8.99 SA<br>8.91 SA<br>2.01 SA<br>3.00 SA<br>3.   | AA5000         2.50           AA5010         3.65           AA5010         3.65           AA5010         5.78           AA5010         8.25           AA5020         5.78           AA5030         8.25           AA510         7.90           AB3021         7.90           AB3024         6.36           AB3209         5.82           AB3209         5.82           AS500         1.33           AS5600         1.33           AS5600         1.33           AS6600         1.33           AS6700         3.66           GA523         1.61           C425544         6.45           GA53         1.96           GA523  
   
   
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SN76708<br>SN76709N<br>SN76709N<br>SN767007N<br>SN767007N<br>SN767007N<br>SN76730<br>SN76827N<br>SN76827N<br>SN764042<br>SN7684042<br>SP35384<br>ST7702L<br>ST40412<br>ST40412<br>ST40412<br>ST40412<br>ST40412<br>ST40412<br>ST40412<br>ST40412<br>ST4040<br>ST4040<br>ST40050<br>ST4040<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST4015<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405<br>ST405                         | 248<br>120<br>426<br>551<br>660<br>0.60<br>6.60<br>0.60<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.55<br>1.98<br>9.6.76<br>5.51<br>12.77<br>9.16<br>8.52<br>5.51<br>12.77<br>9.16<br>8.52<br>5.51<br>13.34<br>5.52<br>8.66<br>0.035<br>5.51<br>13.29<br>5.51<br>13.29<br>5.51<br>13.24<br>5.54<br>13.29<br>5.51<br>13.24<br>5.54<br>13.29<br>5.51<br>13.24<br>5.54<br>13.29<br>5.51<br>13.24<br>5.54<br>13.29<br>5.51<br>13.24<br>5.54<br>13.29<br>5.51<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.55<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.24<br>5.54<br>13.25<br>5.54<br>13.24<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5.54<br>5   | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7139P<br>TA7138AP<br>TA7137P<br>TA7138AP<br>TA7137P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7162P<br>TA7161P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7169<br>TA7169<br>TA7169<br>TA7169<br>TA7203P<br>TA7203P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7205P<br>TA7204P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA72205P<br>TA72207P<br>TA72207P<br>TA7223P<br>TA7223P<br>TA7232P  | 8 465<br>8 465<br>3
599<br>1.61<br>1.161<br>1.271<br>1.052<br>2.34<br>1.571<br>1.27<br>1.27<br>1.27<br>1.27<br>1.27<br>1.27<br>2.345<br>1.67<br>3.377<br>2.345<br>1.67<br>3.27<br>2.345<br>1.67<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.27<br>2.18<br>3.345<br>1.46<br>3.37<br>3.45<br>1.46<br>3.57<br>3.45<br>3.57<br>3.45<br>3.57<br>3.45<br>3.57<br>3.45<br>3.57<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.45<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.57<br>3.55<br>3.57<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55<br>3.55  | TBA8200<br>TBA920<br>TBA920<br>TBA920<br>TBA920<br>TBA940<br>TBA950<br>TBA940<br>TBA950<br>TBA950<br>TBA950<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA01BP<br>TCA03BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA053BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA054BP<br>TCA0 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   | 1.89 SA<br>1.05 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>0.49 SA<br>3.30 SA<br>3.01 SA<br>3.00 SA<br>3.00 SA<br>3.98 SA<br>9.16 SA<br>2.01 SA<br>2.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>4.01 SA<br>5.07 SA<br>5.07 SA<br>4.00 SA<br>5.07 SA<br>5.   | AA5000         2.50           AA5010         3.65           AA5010         3.65           AA5010         3.65           AA5010         8.25           AA5010         8.25           AA5000         8.25           AA5010         8.25           AA5020         5.78           AA5030         8.25           AA5030         8.25           AA5020         5.78           AA5020         5.78           AA5030         8.25           AA5021         7.90           AB3011         7.34           AB3021         7.90           AB3021         7.90           AB3024         6.30           AB3209         5.82           AB3210         3.10           AB3229         5.82           AS5010         8.39           AS5601         5.42           AS5600         1.33           AS6600         2.97           AS6600         2.97           AS6710         3.66           AS6710         1.33           AS6710         1.33           AS6710         1.95           G6533
<td>SN76708<br/>SN76709N<br/>SN76709N<br/>SN76707N<br/>SN76707N<br/>SN76730<br/>SN76730<br/>SN76827N<br/>SN94041<br/>SN94041<br/>SN94041<br/>SN94041<br/>SN94042<br/>SP35384<br/>ST7702L<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4411C<br/>ST4412C<br/>ST4422<br/>ST4422<br/>ST4422<br/>ST4422<br/>ST4422<br/>ST4422<br/>ST4422<br/>ST4422<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>ST44222<br/>S</td> <td>248<br/>120<br/>426<br/>551<br/>660<br/>0.60<br/>0.60<br/>0.60<br/>0.60<br/>0.60<br/>0.60<br/>0.554<br/>554<br/>554<br/>12.76<br/>9.85<br/>554<br/>12.77<br/>9.16<br/>5.554<br/>12.95<br/>9.80<br/>5.554<br/>12.95<br/>9.80<br/>5.554<br/>12.95<br/>9.80<br/>5.554<br/>12.95<br/>8.855<br/>8.866<br/>12.955<br/>8.866<br/>13.344<br/>13.34<br/>13.34<br/>13.34<br/>13.34<br/>13.34<br/>13.34<br/>13.575<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.03<br/>5.7.0</td> <td>TA7082P<br/>TA7083P<br/>TA7102P<br/>TA7108P<br/>TA7108P<br/>TA7108P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7128P<br/>TA7138AP<br/>TA7137P<br/>TA7137P<br/>TA7137P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7146P<br/>TA7148P<br/>TA7146P<br/>TA7148P<br/>TA7161P<br/>TA7161P<br/>TA7161P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7162P<br/>TA7105P<br/>TA7201P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA7205P<br/>TA72205P<br/>TA72205P<br/>TA72205P<br/>TA72207P<br/>TA7222P<br/>TA7222P<br/>TA7222P<br/>TA7222P<br/>TA7222P<br/>TA7223P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P<br/>TA7232P</td> <td>8 465<br/>8 465<br/>3 999<br/>1 161<br/>1 052<br/>2 34<br/>1 157<br/>1 052<br/>2 34<br/>1 157<br/>1 20<br/>1 27<br/>2 345<br/>1 27<br/>2 345<br/>1 27<br/>2 345<br/>1 326<br/>2 34<br/>1 10<br/>2 35<br/>1 10<br/>2 35<br/>1 10<br/>2 35<br/>1 10<br/>2 35<br/>1 10<br/>2 35<br/>1 10<br/>2 35<br/>1 10<br/>2 35<br/>2 35<br/>3 3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3<br/>3</td>
<td>TBA8200<br/>TBA820<br/>TBA920<br/>TBA920<br/>TBA920<br/>TBA940<br/>TBA950<br/>TBA940<br/>TBA950<br/>TBA950<br/>TCA018P<br/>TCA0138P<br/>TCA0138P<br/>TCA0138P<br/>TCA0338P<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA0538<br/>TCA</td> <td>9,82<br/>2,50<br/>1,53<br/>1,84<br/>3,56<br/>3,25<br/>3,57<br/>3,15<br/>4,34<br/>4,34<br/>3,56<br/>3,25<br/>2,76<br/>3,25<br/>1,98<br/>4,34<br/>2,25<br/>2,76<br/>3,25<br/>1,98<br/>4,34<br/>2,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>2,26<br/>2,25<br/>2,26<br/>2,26<br/>2,25<br/>2,26<br/>3,36<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>3,25<br/>2,26<br/>2,25<br/>2,26<br/>2,25<br/>2,26<br/>2,25<br/>2,26<br/>2,25<br/>2,26<br/>2,26<br/>2,26<br/>2,25<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,26<br/>2,25<br/>2,26<br/>3,36<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3,26<br/>3</td> <td>TDA2540<br/>TDA2540<br/>TDA2540<br/>TDA2540<br/>TDA2540<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2575A<br/>TDA2576A<br/>TDA2581<br/>TDA2581<br/>TDA2591<br/>TDA2591<br/>TDA2591<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA2593<br/>TDA3503<br/>TDA3500<br/>TDA3500<br/>TDA3501<br/>TDA3501<br/>TDA3501<br/>TDA3541<br/>TDA3541</td> <td><math display="block">\begin{array}{c} 1.88\\ 2.15\\ 5.94\\ 0.75\\ 2.86\\ 2.57\\ 1.92\\ 1.25\\ 2.50\\ 2.17\\ 1.94\\ 1.05\\ 0.50\\ 2.57\\ 1.94\\ 1.05\\ 0.25\\</math></td>
<td>TIP41C<br/>TIP42A<br/>TIP42B<br/>TIP42B<br/>TIP42C<br/>TIP42C<br/>TIP47<br/>TIP48<br/>TIP55A<br/>TL011CP<br/>TL072<br/>TL072<br/>TL072<br/>TL072<br/>TL072CP<br/>TMS1024NLL<br/>TMS1025N<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS375<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740NS<br/>TMS3740N</td> <td>0.65<br/>0.25<br/>0.49<br/>0.53<br/>0.47<br/>0.53<br/>0.47<br/>0.42<br/>0.42<br/>0.42<br/>0.42<br/>0.42<br/>0.42<br/>0.42<br/>0.42</td> <td>X0040TA<br/>X0042CE<br/>X0043CE<br/>X0056CE<br/>X0076E<br/>X0067CE<br/>X0076E<br/>X0077GE<br/>X0077GE<br/>X0079CE<br/>X0077GE<br/>X0079CE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE<br/>X0077GE</td> <td>4.35<br/>2.75<br/>6.25<br/>6.80<br/>8.35<br/>4.60<br/>10.00<br/>15.95<br/>4.55<br/>5.95<br/>11.25<br/>2.67<br/>7.9.59<br/>8.74<br/>8.75<br/>3.63<br/>2.45<br/>3.25<br/>0.43<br/>0.43<br/>0.43<br/>0.43<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.043<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045<br/>0.045</td> 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SN76708<br>SN76709N<br>SN76709N<br>SN76707N<br>SN76707N<br>SN76730<br>SN76730<br>SN76827N<br>SN94041<br>SN94041<br>SN94041<br>SN94041<br>SN94042<br>SP35384<br>ST7702L<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4411C<br>ST4412C<br>ST4422<br>ST4422<br>ST4422<br>ST4422<br>ST4422<br>ST4422<br>ST4422<br>ST4422<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>ST44222<br>S 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248<br>120<br>426<br>551<br>660<br>0.60<br>0.60<br>0.60<br>0.60<br>0.60<br>0.60<br>0.554<br>554<br>554<br>12.76<br>9.85<br>554<br>12.77<br>9.16<br>5.554<br>12.95<br>9.80<br>5.554<br>12.95<br>9.80<br>5.554<br>12.95<br>9.80<br>5.554<br>12.95<br>8.855<br>8.866<br>12.955<br>8.866<br>13.344<br>13.34<br>13.34<br>13.34<br>13.34<br>13.34<br>13.34<br>13.575<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.03<br>5.7.0   | TA7082P<br>TA7083P<br>TA7102P<br>TA7108P<br>TA7108P<br>TA7108P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7128P<br>TA7138AP<br>TA7137P<br>TA7137P<br>TA7137P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7146P<br>TA7148P<br>TA7146P<br>TA7148P<br>TA7161P<br>TA7161P<br>TA7161P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7162P<br>TA7105P<br>TA7201P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA7205P<br>TA72205P<br>TA72205P<br>TA72205P<br>TA72207P<br>TA7222P<br>TA7222P<br>TA7222P<br>TA7222P<br>TA7222P<br>TA7223P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P<br>TA7232P   | 8 465<br>8 465<br>3 999<br>1 161<br>1 052<br>2 34<br>1 157<br>1 052<br>2 34<br>1 157<br>1 20<br>1 27<br>2 345<br>1 27<br>2 345<br>1 27<br>2 345<br>1 326<br>2 34<br>1 10<br>2 35<br>1 10<br>2 35<br>1 10<br>2 35<br>1 10<br>2 35<br>1 10<br>2 35<br>1 10<br>2 35<br>1 10<br>2 35<br>2 35<br>3 3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3  |
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# VCR Clinic

#### Sharp VC8300

The playback picture showed all the symptoms of both a capstan and a drum servo fault and I initially began checking the circuits that are common to these two loops, i.e. the supply lines, IC701, IC702, IC703 etc. The scope showed that all the relevant ramps, sample pulses and sample/hold d.c. outputs were present, though they were varying wildly as the loops were unlocked. This is usually an indication that the i.c.s are in fact working, but as time went by I was driven to replace IC701 and IC702, only to find that the fault was still present.

At this point I decided to try a different line of approach. If I could prove that a drum fault was causing the capstan to unlock, or vice versa, I would have narrowed down the possibilities by fifty per cent. This was my biggest mistake – a further two hours were wasted. How did I go about it? By disconnecting the servo loops one at a time and using a variable d.c. supply instead. All this did was to prove that there was indeed a common cause, but what? Then I saw it. The f.e.t. Q703 in the drum sample/hold circuit is biased from the same point as Q707 in the capstan sample/hold circuit. A check on the d.c. conditions revealed that the gate potentials were both low. Further checks led me to the  $10\mu$ F tantalum capacitor C731 which read  $10k\Omega$  when measured out of circuit. Needless to say the celebrations went on for some time.

Perhaps I'd have found this one sooner if the circuit had been drawn larger, as the common supply via R769 is not at all clear. That's my excuse, anyway. J.C.

#### Grundig VS180

Both spools were running fast and there were no other functions. After threading up manually the machine would unthread and eject the cassette, with both spools continuing to run fast and not switching off. This would tend to suggest something wrong with the cassette eject switch, but the threading motor stopped after eject so the microcomputer chip did that all right, indicating that this chip was not faulty. After a word with Grundig Pete we decided that the most likely culprit was the M722 series-to-parallel interfacing chip, which indeed it was. We came to the conclusion that erroneous data was being sent to the microcomputer chip. The faulty chip can cause other symptoms depending on which data bit is corrupted. **S.B.** 

#### Grundig VS180

This machine had suffered transport damage while being brought back from abroad. While sorting this out we found that the machine would sometimes initialise by winding forwards and backwards very slowly. The cause was eventually discovered to be the on/off switch. It switched off the 33V supply but not the 5V supply, leaving the clock on and the machine partially operating **S.B.** 

#### Panasonic NV333

This machine actually wore Blaupunkt livery. There was no playback colour and unfortunately it was wanted in a hurry. Although there was no proper colour there were signs of unlocked colour flickering about occasionally.

The VCO and reference oscillator frequencies were both

Reports from Joseph Cieszynski, D.H. Davies, Steve Beeching, T. Eng., Alfred Damp, Eugene Trundle and Mick Dutton

correct so to save time I decided to change the AN6371 and AN6363 colour signal processing chips. This didn't cure the fault, and with four or five camcorders and some cameras wanted urgently life didn't look too good. With this model it's possible to check the a.f.c. by comparing the line sync pulses at pin 3 of IC8002 with those at TP8006. I found that there was no lock in playback though the a.f.c. system was locked solid in record. There was a difference in the level of the sync pulses at pin 3 of IC8002 between playback and record, but this is normal. The only other discrepancy I discovered was that pin 9 of the chip was at 2V instead of 5.55V in playback. This led back via a switch (Q3011) to the preamplifier and drop-out detector chip IC3002. The voltage at pin 15 was low at about 2V instead of 4.8V with drop-out pulses - something to do with advancing the a.f.c. loop in the event of a drop-out. Anyway, I found that if pin 9 of IC8002 was linked to the 5V rail the machine played back in colour without need to replace the preamplifier chip. Very naughty, but the machine was old, the video heads in poor condition and the customer didn't want any more expense. After all, the customer is always right (if he pays for it). SR

#### Grundig VS310

This machine intermittently damaged tape. Grundig Pete spotted it by chance while we were discussing other things. He put a tape in (mine) and it scrunched up! The small, flat copper-coloured guide spring fitted to the top of the audio head had broken off. S.B.

#### Ferguson 3V43/JVC HRD725

The complaint with this machine was intermittent failure to make a timed recording. We confidently changed the loading belt and sent the machine on its way. It was very soon back on our bench with a note to say "same as before". This time we checked the loading process more thoroughly, and found that there was a stiff point in the mechanism at about the half-travel point in the progress of the loading arm. It turned out that loading gear 2 (under the deck) was very stiff on its shaft. It was removed, cleaned and lubricated, and after that the customer didn't report any further timer trouble. Why it never gave trouble on manual record and playback remains something of a mystery. **E.T.** 

#### Mitsubishi HS303

The job card said "picture broken up". It was, too. The head drum was rotating excessively fast, giving loss of line lock on the monitor's screen. Listening to the sound track of a prerecorded test tape suggested that all was not well with the capstan servo either. We found that adjustment of the preset drum speed control VR4A0 would restore correct drum speed, but with the potentiometer's wiper far from the factory setting and with no head drum phase look.

A search for a common cause of this and the capstan speed error led us to check the common reference pulse feed (REF 50) at servo board connector HS7. It was missing here and at its source, pin 5 of the oscillator/divider chip IC603 on the Y/C board. The voltages around this chip were reasonably within tolerance except for that at pin 5, which was at 5.5V instead of 3.5V. In fact the 4.43MHz crystal X601 had failed: replacing this and resetting VC601 restored normal operation. Although it's a PAL decoder type crystal its output is used exclusively for servo operation – despite the presence of the other faults the colour was normal, once the head speed had been artificially restored to normal.

Our pride at doing this repair was blunted by the fact that the customer's cheque bounced. We're still trying to get paid, but that's another story . . . E.T.

#### Ferguson 3V23/JVC HR7700

In my experience it's unusual for this machine to suffer from tape looping at stop. However this one would sometimes leave a loop of tape hanging from the flap of an ejected cassette. We found that the take-up spool brake was coming on after the supply spool brake because the take-up turntable tyre surface was worn to a smaller diameter than that of the supply turntable. Replacing the take-up turntable and the coil-spring that holds the brakes on cured the problem for good. E.T.

#### Panasonic NV366

The drum motor appeared to have a dead spot. We found that the cable connector on the motor was partially off owing to a tight run of cables. Rerouting the cables and fitting properly cured the trouble. **D.H.D.** 

#### Hitachi VT9500

No sound or vision in the E-E mode was traced to a faulty TA4349 chip (IC909). D.H.D.

#### Ferguson 3V29/30

On playback there were noise bars on the screen, with spaghetti, low sound and the sound led captions as spoken. Resetting the tape guides put matters right.

No capstan drive was traced to a blown Wickman fuse (CPR-D – looks like a transistor). D.H.D.

#### Ferguson 3V29/JVC HR7200

There were two separate faults with this machine. First, when a cassette was inserted the machine would immediately go into slow rewind for a few seconds then stop. Pressing any button would then produce the alarm mode, with all the button lights flashing. The cause of this problem was a worn loading motor. It resulted in the last part of the unloading cycle being missed, so that both the after load and the unload switches were on.

The second problem was very confusing: the machine wouldn't switch off when the tape came to an end in either direction. Operating the machine without a cassette in, with the end sensors blanked and then exposed to light, proved that they were working. After much headscratching we found the cause of the problem. The cassette lamp had slipped down its holder. It still shone brightly, but was too low for the light to operate the sensors. M.D.

#### Philips VR6462

The problem was very low playback and E-E luminance. We checked the CVBS signal output from signals panel P302 and found that the luminance was missing. When we checked back to the TDA3740 chip IC7251 we found that there was no signal input. We moved back to the BC548 emitter-follower transistor T7301 and found that there was a signal at its base but not at its emitter. A check on the emitter voltage showed that it was high and unstable.

Changing the transistor made no difference but when we checked the resistance from its emitter to chassis we found that the reading indicated an open-circuit instead of around  $400\Omega$  (via L5201/2/3/4 and R3202/3). L5202 turned out to be open-circuit and when replaced we had normal luminance. M.D.

#### Toshiba V9600

This machine was continuously trying to load. The trouble was caused by QL82 in the loading motor drive circuit being short-circuit. M.D.

#### Amstrad 4600

This machine was brought to us brand new in a box. Its owner had travelled 350 miles from London where he'd bought it at a very discounted price. It was too much trouble for him to take it back under guarantee, so we got the job. The problem was that when play was selected the machine would go straight into forward search. All other functions worked correctly. A circuit was obtained – eventually. We then had to find a magnifying glass to sort out the very small print layout and wiring diagram. This was on the outside back page and was already tatty when we received it.

We noticed that there are capstan forward, reverse and fast commands from the microcomputer chip. These appeared to be correct when the relevant keys were pressed. When play was selected the voltage at pin 7 of the BA718 operational amplifier IC302 was lower than when search was selected. The output at pin 8 didn't alter however, so we suspected the i.c. This was duly ordered and after several weeks arrived. Fitting it cured the fault, and the customer was given a bill which meant that his trip to London turned out to be expensive.

This was the first time we've seen the inside of one of these machines. We were stuck by how well they are laid out and manufactured. Picture reproduction is also excellent. M.D.

#### Hitachi VT64

This machine would load the tape, play for about five seconds then unload. We found that the drum flip-flop signal from the servo i.c. was of reduced amplitude. Checks were made around the servo and syscon microcomputer chips but nothing we did restored the flip-flop signal to its correct amplitude. The flip-flop signal is also fed to the Y/C panel, and although the circuit diagram gave no clues as to what could be wrong here all became clear when the panel was removed – a liquid had been spilt into the machine at some time and was loading the flip-flop signal. The odd thing is that no other traces of liquid spillage could be found. A.D.

#### Grundig VS180

There was no clock/counter display. Checks around the clock chip revealed that the 256Hz clock pulses were missing. They come into the keyboard panel from the control panel on two matrix lines designated K4 and K8, and are generated by IC245 and the associated 32kHz crystal. We found that the 32kHz oscillator had stopped due to shorting vanes in an associated trimming capacitor.

# Long-distance Television

#### Roger Bunney

January was a very poor month with little DX reception of any note. Since writing the last column however reports from several enthusiasts mention some quite startling Meteor Shower reception during the Quadrantids shower on January 4th. Peak activity seems to have been from around 1430 to 1600, during which time there was reasonable reception in Band I and, for the more vigilant, Band III signal pings were noted. Sweden ch. E8 was received by Simon Hamer (Powys) for example while Ryn Muntjewerff in the Netherlands logged several Scandinavian transmitters including YLE (Finland) chs. E5, 8 and 9!

There was above average auroral activity during January. Quite strong reception as far south as the Midlands was noted on the 6th, with the usual USSR/Norwegian TV. A longer period occurred over the 13-16th, the 14th being particularly active – the first phase started at around 1500 and, after a gap, the second phase ended after midnight.

There was just a little Sporadic E reception during the month, as follows:

8/1/88 TVE (Spain) chs. E2, 3.

11/1/88 TVE È3.

15/1/88 TVE E2, 3, 4.

16/1/88 West Germany ch. E4.

17/1/88 TVE E2, 3, 4.

19/1/88 NRK (Norway) E2, 3; TVP (Poland) R2. 20/1/88 TSS (USSR) R1; RAI (Italy) IA.

26/1/88 CST (Czechoslovakia) R1; DR (Denmark) E3;

TVE E2, 3.

29/1/88 TVE E2.

31/1/88 TVE E2, 3.

My thanks to Simon Hamer (Powys), Roger Fussell (Torpoint), Iain Menzies (Aberdeen), David Oliver (Birmingham) and Ryn Muntjewerff (Holland) for sending in reception reports.

It seems that the Sporadic E season down under has been far from a good one. Robert Copeman (Victoria) and Todd Emslie (NSW) comment on the indifferent conditions in comparison with a "normal" season. On the 13-14th however Todd had the bonus of Band II f.m. radio reception from stations at Auckland and Manavatu in New Zealand, a distance of some 1,400 miles. Four stations were received in all, via tropospheric propagation - an excellent result. Strange that no NZ TV was seen at the time. On the west coast Anthony Mann (Perth) reports reception of Malaysian TV ch. E2, Philippines ch. A2 plus weak USSR ch. R1 and China ch. C1 on December 16th. The following day gave him NZ TV for some ten hours. The best day seems to have been the 12th, with Malaysia chs. E2, 3 and 4. Otherwise Anthony reports that the SpE season has been a "non-event".

There is little else to report this month. The January IBA Engineering Bulletin contains useful data on aerial stacking for interference reduction and information on DBS/D-MAC – worth reading. There has been mutual jamming of the Iranian and Iraqi TV services in the Gulf: all transmission levels are being increased!

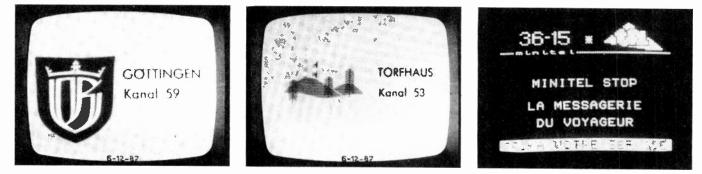
#### **News Items**

**UK:** The Home Office has registered with the ITU its intention to use chs. 35-38 for broadcasting purposes. This seems to confirm the government's aim of providing a fifth TV service quickly.

Ireland: There have been further discussions on the



Left: The USSR (TSS-1) UEIT test pattern with MTR or MTP identification, received by Garry Smith (Derby) during an SpE opening. Centre: IRIB (Iranian TV) received in Lincoln by Ian Walker from the Intelsat V F5 satellite at 63°E. Right: A Japanese local station test card photographed by Fred Robins during a visit to Japan.



Left and centre: W. German u.h.f. transmitter identification slides photographed by Ryn Muntjewerff (Holland). Right: French Antiope text message for travellers, transmitted via the TF1 service.

provision of a third national Irish TV service covering both urban and country areas. RTE-1 and -2 will not loose any channels to make way for the projected new service, which government sources hint might make use of "new technologies" such as microwave distribution and cable – many areas of the republic are extensively cabled.

West Germany: The recently opened ch. E46 transmitter at Hamburg is now running at 1.7kW. The power will be increased to 15kW in July. From April 1st the transmitter will carry RTL+, time sharing with Tele-5. The ch. E48 Hamburg transmitter is to increase power during the summer (currently 0.6kW) and will carry SAT-1. WDR-3 is now called "West 3", with the logos similarly modified: transmitter identifications used are "WDR 3" and "DBP WDR 3".

**Poland:** A new main transmitter for TVP-2 has come into operation at Klodzko near the Czechoslovakian border. It carries the TVP Wrocklaw regional programme on ch. R38, with 300kW e.r.p. TVP-1 transmissions from the same site are on ch. R52.

**Denmark:** The Vendeyssel transmitter has moved from ch. E51 to ch. E57, at 22kW e.r.p.

**Satellite news:** The American PAN-AM satellite is expected to be launched into orbit at 45°W this May. It will have three downlink transponders covering Europe, at 11.5, 11.58 and 11.66GHz with horizontal polarisation, plus 4GHz capability directed at South America. The uplink will be from Miami, Florida.

Pakistan is expected to launch a satellite, Badar A, this summer. It will carry telemetry and telecommunications and remain in operation for two years. This summer will also see the launch of the third Indian satellite, "Insat C". Insat B is at present in great demand but there are no back-up transponders.

The Spanish "channel 10" is being carried by Intelsat VA F11 at 27.5°W. It was noted on January 23rd with video tests and two-channel sound, switching between 525/625 lines.

The third Aussat craft went into orbit last September. Interesting to note that for nationwide TV distribution a modified standard called "E-PAL" is used. It has inverted sync information and high-quality digital audio. The audio system uses adaptive delta modulation with the subcarriers at 6.6, 7.38 and 7.56MHz.

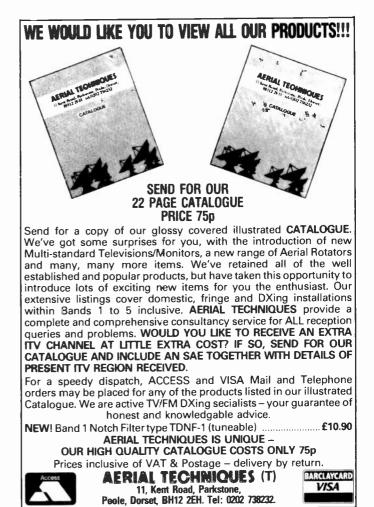
#### Band I

An increasing number of European countries are allowing amateur radio use of the 50MHz band. In France class A licence holders are to be permitted 50MHz operation under the following conditions: no operation within 150km of a ch. L2 transmitter, 3W maximum output within 150-200km and 30W maximum beyond 200km.

The use of baby alarms in the 49MHz low-power device band has been permitted since November 1986, provided the output does not exceed 10mW. A DTI consultative paper suggesting the establishment of a 12.5kHz segment within the 47MHz band for high-power car alarms (up to 100mW output) is at present going the rounds.

#### From our Correspondents . . .

David Oliver (Birmingham) reports that from time to time he receives Children's Channel and CNN on ch. E21. The signals are relatively weak and a narrow i.f. bandwidth is required to resolve and identify them. The source seems to be one of the illegal videosenders that can be fed with audio and video from a satellite receiver or VCR and



up-convert the signals to u.h.f. for, theoretically, distribution within the home. In view of the fact that high-level signals can be present at 100 or more yards from the source we recommend that the local DTI is told about any transmissions of this type.

Dutch radio amateurs have "jumped the gun" and are producing severe interference in many areas at 50MHz – the main Rotterdam cable system uses ch. E2 to distribute WDR-1 for example. Gosta van der Linden reports that Nederland 3 is now on test with teletext and dual-channel sound. The PM5544 test pattern is used, with identification "PTT NED.3": Radio 5 is carried on sound channel 1 (left) and Radio 1 on sound channel 2 (right).

Ian Walker (Lincoln) has sent us a photograph of IRIB (Iranian TV) reception from Intelsat VF5 at 63°E. Ian used a 1.2m dish at only 5° elevation to receive the 11.155GHz signal. It's possible to receive this satellite over most of the UK provided a clear take-off to the south east is available.

Des Walsh (Co. Cork) has spent a holiday travelling around East Germany. He reports that Band I no longer seems to be in use there though the band remains popular for the reception of signals from West Germany, Poland, etc. Two Soviet TV channels are available over most of the GDR, though with poor quality sound and hum in some areas. Elaborate u.h.f. arrays with upwards of 40 elements are widely used, some consisting of a combination of Yagi and log-periodic principles. For Band III reception the traditional long-Yagi is widely used, variations including a full-wave dipole/reflector system. Nine channels, including two GDR, two Soviet, three West German, UK Forces (SSVC) and a French language forces service were available at a hotel he stayed at in East Berlin. In Leipzig he found that Czech TV is available on the town cable. The only imported TV equipment seems to consist of PAL/

SECAM Sharp receivers that sell at the equivalent of around  $\pounds 2,100$  and small radio cassette/mono TV receivers selling for around  $\pounds 700$ . SW radios are available but no scanners and no video equipment was seen.

#### Insuring Satellite TV Equipment

Having invested in some TVRO equipment I was naturally concerned about the possibility of theft. The dish support frame is chained to a nearby tree by means of very thick steel chain (through the actual metalwork) and heavy padlocks. Thus to remove the system would involve cutting the chain, cutting or dismantling the frame - or cutting down the tree! However it could be done, especially at night, while a knowledgeable person might remove the head electronics. Mindful of a friend in Maidstone who returned home to find that his 6ft spun dish, feed, electronics, motor etc. had been stolen I decided to check on the possibility of insurance. Since my house contents are covered by an Eage Star "home all-in" policy I first rang them. It seemed that the only insurance they could offer was against lightning strike! Amateur Radio Insurance Services Ltd. (Quarry Street, Guildford) insure my receiving equipment, so they were approached next. They could offer insurance provided the equipment was used for amateur radio activities. When I pointed out that the equipment is used for amateur and entertainment purposes and for technical experimentation they regretted being unable to help.

I next asked a local broker whether he knew of a company that would insure domestic satellite TV receiving equipment without charging a very high premium. He was unable to suggest a particular company but felt that the

## **Tussles with TVs**

#### Ged Whitney

A little while ago, during an absence from my usual employment, I called in at the local car spares shop to see how large my account (slate) had got. Now the chap who looks after the place is a very decent type, and I often spend more time than is necessary simply chatting about this and that. Anyway, the conversation got around to the Pye Model 160 (169 chassis) I'd flogged him a year ago – actually a swap for a set of brake shoes. The thing had expired and could I . . . Well, of course . . .

A quick inspection without tools revealed an obvious burn mark in the heater section of the dropper resistor, so I headed off home for my instant heat gun etc. On my return Joe had the kettle boiling nicely and I set to. I'd a vast selection of dropper sections to replace the 147 $\Omega$  one – 130 $\Omega$ , 150 $\Omega$ , 200 $\Omega$  or nothing. I chose the 150 $\Omega$ , 10W job. With this lashed in position the valves, other than the DY802 e.h.t. rectifier, lit up. There was plenty of voltage at the DY802's anode, but no picture. The DY802 seemed to be innocent so I dug out its base and tested the length of resistance wire that passes as a heater ballast resistor in these sets. Nope, not that! I next tentatively scraped the oxide off the valve pins. This time success! Failure of the heater to light had clearly been due to the dirty pins.

In these old bangers the line hold is set using the core of the line oscillator coil. This one was rock solid of course – even an application of 3-in-1 oil wouldn't budge it. In my meagre collection of capacitors there sat a 220pF mica

current house contents insurance company would be prepared to take it on as a service to an existing customer and change a small premium. Back to Eagle Star. After putting the matter to them in writing I received a reply indicating that they were prepared to extend the policy to cover theft of the dish, cables etc. for an additional premium of £5 provided the system is padlocked as described. A subsequent letter of confirmation stated: "A satellite receiving dish and cabling is insured while in the open within the boundaries of the land belonging to the home against loss or damage caused by events in paragraphs 1 to 11 of this section for a sum insured as shown in the table of cover. Any loss, damage or amount shown as not insured under paragraphs 1 to 11 of this section is not insured." The various paragraphs referred to cover such events as fire, lightning, earthquake, storm, flood, subsidence, theft or attempted theft, riot, vandalism, water/oil escape, collisions, damage from trees/branches, etc. It seems to me that insurance cover for the low premium involved is well worthwhile.

I have discussed this matter with others who have confirmed that precautions are required before cover is granted. It's possible to devise a basic alarm consisting of a loop of cable within the main cable run (where the cables have polarotor/dish motor wires) so that a relay falls out and bells ring should the main cable harness be unplugged or cut.

I apologise for going into this matter at such length but do feel that it's important – many uninsured satellite TV systems are sitting in gardens inviting unwanted attention. I'd like to hear from others on their insurance experiences, and from anyone who knows of a company that welcomes such equipment.

one. Connecting this across the coil locked the line exactly! Just to be sure I stuck the only ceramic trimmer I had with me (60pF) in as well to obtain optimum adjustment.

As I made to leave, Joe offered to pay me. Naturally I refused! So he said "tell you what" – and tore up my slate . . .

#### A Sanyo CTP3101

The customer told Dave that his Sanyo CTP3101 "just blacked out during a horror film". I can imagine the shock being too much for the mild-mannered Japanese electronics. After a lot of faffing about with the scope, and replacement of D202 and Q203 with no results, replacement of the mixed blanking amplifier Q432 cured the problem. A BC107 can be used in the Q203 and Q432 positions.

#### The Hitachi NP6C

Which brings me to the saga of the Hitachi NP6C. This little number wouldn't start at switch on, so I bridged the start-up capacitor C910 with a  $10k\Omega$ , 2W resistor. This should have made the multivibrator Q901/2 oscillate. The scope said that it did, but this didn't start the set (this is all that Q901/2 do). A shufty around with the meter revealed that there was no 12V supply – it's obtained from the line output transformer. The rectifier diode CR705 was o.k. but the surge limiter resistor R733 – at the other end of the winding – was open-circuit. A new diode went in anyway (1N4001 in place of the V09C) and the set then went on soak for two days. After that it went home, only to come back a week later. Once again it wouldn't start, but this time 12V was available at R733, so things like the 12V supply reservoir/smoothing capacitors C735/6 being leaky could be ruled out. Line drive appeared momentarily as the set tried to come on and for want of a better idea I replaced C910 – with instant success. But the set was back a week later.

This time I went through the whole set systematically. The scope proved its worth in revealing lack of line drive at switch on. Ah-ha, so the resistor supplying the line driver transformer was open-circuit. No, it just had a bad joint. Anyway we didn't see the set again after putting this right and have lived almost happily ever since.

#### **Ex-Granada Tandbergs**

A while back Granada released a number of Tandberg series 2-2 sets. My mate John got a few in and pointed me at one of them. These are the ones with the switch-mode power supply in a tin box at the bottom of the large vertical chassis. This power supply is of the original discrete component self-oscillating Siemens type, and is subject to the same set of nastys one gets with the Rank/ Bush T20 etc. The mains fuses and other bits like the mains bridge rectifier and filter capacitor are on a little panel at the back of the main chassis, screwed to the cabinet base.

No-action sillys like the surge limiter resistor R981 (4.7 $\Omega$ ) or the chopper current sensing resistor R982 (1 $\Omega$ ) being open-circuit are commonplace. Slightly less amusing is when D991 (1N4148) goes open-circuit with the result that the crowbar thyristor Q981 (2N4442) either operates or goes short-circuit. The biggest silly is removal of rectifier board R and its replacement minus the mounting screw. This will lead you a merry chase, as it did us, since the set will trip as soon as it's turned on.

Failure of D802 (1N4148) in the field oscillator circuit is a common cause of field collapse. In this event applying a screwdriver to the base of Q803 will result in a short scan due to hum pick up. When D802 is tested it will tell you it's o.k. But it's a liar, as replacement will usually cure the fault.

The EW modulator diodes D750/1 can set light to the line output panel (not seriously though) as they self-destruct. Use BYX55-600s.

A blank white screen is probably due to Q5 (BC158) and the associated diode D3 (1N4148) in the a.g.c. circuit being short-circuit. Voltages in the i.f. strip (panel F) are as follows:

Transistor	Emitter	Base	Collector
Q1 BF195		2.5V	9V
Q2 BF196	2.3V	3V*	7.5V
Q3 BF196	3.5V*	4.5V	9V
Q4 BF197	1.5V	2.2V	9V
Q5 BC158	4.8V	2.8V	1.5V
*Average			

The symptoms when Q3 or Q4 is leaky are loss of sync and no colour.

Failure of the TBA990 chroma demodulator chip U450 causes uncontrollable brilliance with flyback lines. Failure of the TBA530 matrixing chip U300 can cause no vision at all.

C700 ( $0.1\mu$ F) on the c.r.t. base panel is another possible cause of no vision. It goes short-circuit, removing the c.r.t.'s grid bias.

These sets often bear the name Viking. The Granada model numbers are C22NV2 and C26NV2.

#### **TELEVISION APRIL 1988**

next month in

# TELEVISION

#### NEXT MONTH'S FREE GIFT

A packet of five 1N4148 diodes. What could be more useful then the most commonly used diode in low voltage/current applications!

#### TEN YEARS OF VHS VIDEO

It's ten years since JVC opened up the domestic video market in the UK with the first VHS machines. A special article by Eugene Trundle recalls the video situation at the time, traces subsequent developments and describes the impact of VCRs on the radio/TV servicing scene.

#### COMPACT ADD-ON FM TUNER

Designed for use with your VCR it's handy to be able to use a VCR to record radio as well as TV programmes. Though compact the unit is a highquality tuner using a single TDA7000, which is a complete mono f.m. radio on a chip. Full constructional details including board layout.

#### RESURRECTING A DEAD SIEMENS

It was a nice set, 22in. with remote control, but it's failed line output transformer made it seem that repair would not be viable. Unless . . . the day was in fact saved by using the focus unit from a better known chassis.

#### MICROWAVE COMPONENTS

Part 2 in Andrew Heron's series describes the various devices used to propagate, process and route microwave signals in waveguides and the way in which they operate.

#### VINTAGE CABLE TV

Chas E. Miller recalls the early days of cable, in particular the time when wired vision converters became available and represented a nice little bit of business.

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#### GRUNDIG CUC220 CHASSIS

The original fault was a defective sound i.c. When this was replaced the set became intermittently dead. Various components in the chopper circuit were changed, on the suggestion of Grundig, but the intermittently dead fault remained. After changing the TDA4600 chopper control chip the set worked all right for two days then the fault returned.

A very common cause of this problem is the  $270k\Omega$  resistor R646 in the power supply. Replace it, because it can fail in an intermittent way. The only other common causes of this have, in our experience, been dry-joints on the chopper transformer TR651 and a faulty BU208A chopper transistor.

#### SONY KV2000 Mk II

The original problem was a dead line output GCS. A check using a separate 18V supply showed that the line oscillator was working, and no other fault could be found. So a new SG613 was fitted and the set was fired up using a variac. It was then put on soak test for twelve hours at 240V. The SG613 died instantly at switch on next day. The Keith Cummins line output transistor modification (March 1985) was carried out, but despite fitting the suggested line driver transformer heatsink neither this nor the heatsink for the BU208A can be held for more than a few seconds. A further fault has also appeared – erratic PAL switching about four minutes after switch on. Decoder adjustments have no effect on this.

The ident circuit is driven from pin 6 of the line output transformer, so the colour reversal problem is almost certainly part and parcel of the line output stage fault that's causing overheating of the line output transistor and killed the original GCS. It's likely that there are one or more shorted turns in either the line output transformer T801 or the flyback transformer T851. Whichever transformer is faulty will probably run warmer than the other – our experience suggests that T851 is the most likely culprit. We've also had short-circuit turns in the feed choke L807, which is cheaper than the transformers!

#### HITACHI VT9500

On play or record the tape laces, the field and line stabilise to a blank screen then the machine stops. If on timed programme the above happens but the r.f. side stays on, i.e. the picture can be viewed on a monitor. The machine works perfectly in all other respects. To start with the fault occurred a couple of times a week, then got worse. Now you have to wait five-ten minutes for the machine to work normally. No information is given on lubrication – is any necessary? The lace-unlace symptom usually indicates that the load-end switch is not being closed. In this model the cause is almost invariably a slipping loading belt, at the extreme rear of the deck. There is little or no need for lubrication with this machine: the guide slots and any shafts that squeak in operation need occasional lubrication.

#### **REDIFFUSION Mk 4 CHASSIS**

Every two-three months the line output transistor goes short-circuit and 4R2 springs open. Replacing the transistor and resoldering the resistor restores normal operation – for two or three months. Any suggestions?

This fault has cropped up several times and is generally caused by a dry-joint at corner pin A of the chopper transformer 4T1. The solder defect will not necessarily be visible. Retin and resolder the pin, also the others around 4T1.

#### SANYO VTC5300

When a cassette is inserted there's a whirring sound but the tape doesn't lace up. Pressing stop has no effect and the tape will not eject. None of the operating keys will function but the light comes on when fast forward is pressed even though the tape doesn't move. Eject works with the machine empty.

The loading ring is driven by the reel drive motor via the loading roller then a belt and gears. If the motor is turning it's likely that the loading roller or belt is worn and thus slipping. If the motor doesn't turn, check the cassette down switch before suspecting the motor itself.

#### AYR TELETEXT ADAPTOR

The display has gradually started to judder when the adaptor and TV set are first switched on. After the set has warmed up the display has a shimmering effect from side to side. The set produces a normal picture when not used with the adaptor.

Our advice, based on experience of this unit as it ages, is that you check all the electrolytic capacitors, starting with those in the power supply. Replace any that are suspect. They tend to dry-up with age, giving rise to various symptoms including those described.

#### **JVC HR3320**

On record and playback the whole picture has a very bad side-to-side wobble. The pinch roller has been replaced without improving matters.

Lateral picture wobble is generally caused by head drum speed variations. In view of the age of the machine it's likely that the drum motor is worn, in which case replacement is the only sure cure. Before condemning the motor, check the settings of the drum discriminator and sample position potentiometers on the audio/servo board – set them up as specified in the manual.

#### PHILIPS G11 WITH TELETEXT

The sound is normal but there's a bright blank raster with flyback lines. When checking around I found that the 2A fuse on the small regulator panel that supplies 5V to the teletext decoder had blown.

Remove the RGB lead from the teletext decoder. This is the thick black lead with red, green and black inners going from the side of the teletext decoder to the interface panel mounted at right-angles to the colour decoder panel. If this action restores the picture the trouble is in the teletext part, if not it's in the TV section – usually dry-joints on the line output panel. Trouble on the small regulator panel is usually due to the smoothing electrolytic going short-circuit and blowing the regulator. First isolate the feed to the teletext decoder in case there's a short on this board.



304

Each month we provide an interesting case of TV/video servicing to exercise your ingenuity. These are not trick questions but are based on actual practical faults.

Field judder is not a fault one often encounters in a modern TV set. In days of yore it could usually be cured by replacing a valve, but this set didn't have any – in fact it was a Ferguson model fitted with the TX10 chassis, main panel PC1550.

To some degree the problem was intermittent, though the image was seldom perfectly stationary. Most of the time the entire picture would bounce and judder vertically, the peak-to-peak movement being perhaps 5mm. The first move made by Techno-Supersleuth was to try adjustment of the field hold control RV771. This had no effect on the judder, but would roll the picture in either direction at the extremes of its travel. TS, who'd been around in the valve days, knew that faulty electrolytic capacitors could cause this sort of thing. Accordingly he replaced C773, which decouples the 12V supply to the hold control network and the TDA1044 field timebase chip IC771. This had no effect whatsoever on the fault. Still persuing the jittery capacitor theory, C774, C778 and C781 around the chip were checked in quick succession, by substitution. Still the picture juddered vertically, and Sleuth's ashtray was filling up rapidly. He also started to insult his colleagues at nearby benches, a sure sign that he'd got a difficult one on his hands.

Lunch time brought welcome relief. Returning from the King's Head afterwards, the better for two pints of ale (so he thought), Sleuth settled down behind the Ferguson with a determined air. He cleaned and twiddled the linearity control, and squirted everything to do with field deflection with freezer. Seeing little or no change, he next cruelly played a hairdryer over the same area until the board and the bits were hot enough to fry an egg on. Under this onslaught the picture jittered a little more, then a little less, but still jittered.

Sleuth fitted another TDA1044 chip, and after one look at the screen put the old one back in the stores. Seeing that the field sync pulses come from the TDA2576A sync processor chip he changed that too. The picture continued to jitter. Still the fault hadn't been cured, so advice was sought from others around the workshop.

The most credible suggestions he received, from three different quarters, were first that the flyback generator transistor was faulty (not a good one!), secondly that the a.g.c. circuit was in trouble, corrupting the field sync pulses, and thirdly to get another TX10 chassis and compare readings. Sleuth tried another ZTX450K flyback generator transistor, replaced the a.g.c. smoothing capacitors C35, C36 and C38, and called the set names which cannot be recorded here. Finally he got another TX10 chassis, hooking one to the raw mains supply and the other to an isolating transformer so that the chassis could be connected together. The errant set was then fed with field sync pulses, at pin 8 of its TDA1044 chip, from the known good chassis. The same screen showed the same juddering picture.

The cause of the problem was in due course found and cured, and probably would have been more quickly had Sleuth pursued his original policy more thoroughly or someone had asked the fundamental question – what is supposed to move the picture vertically? For the answer, see next month.

#### ANSWER TO TEST CASE 303 – page 371 last month –

Last month's test case was quite a brain teaser. The Hitachi VT8500 VCR in question was knocking a hole out of the carrier signal it recorded on tape at the beginning of only one head's sweep. Considering the fact that the effect was found to disappear a few seconds before the end of each recording, it seemed that the problem was somehow related to the tape's linear motion.

Now it takes a few seconds for a point on the tape to travel the distance between the head drum and the audio head assembly. Part of the latter is the control track head, which records one pulse for every two video tracks – the control track is laid down along the bottom of the tape.

In this machine the audio/control head assembly had been set slightly too high, so that each control pulse clipped (erased) a bit from the bottom of alternate video tracks. In fact the video recording process carried out by the rotating heads was fine, and the section of tape in transit at any time between a video head and the audio/control head assembly carried a perfect video recording. Hence the fact that the last few seconds of each recording played back properly.

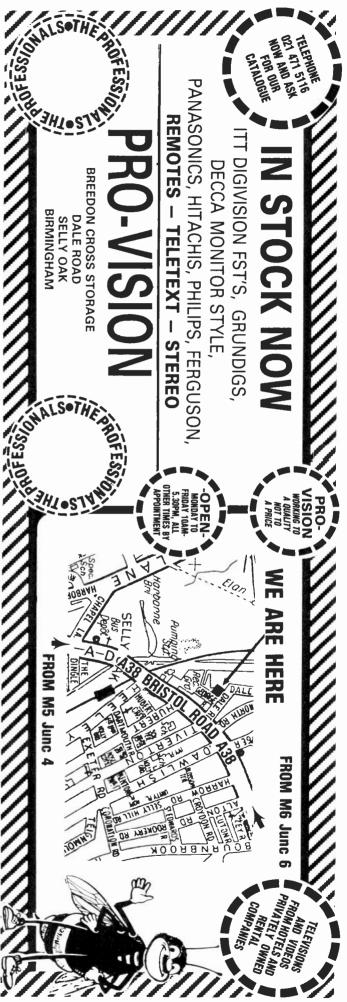
How did the audio/control head assembly come to be out of alignment? You'll recall that the machine had received attention elsewhere. They'd plainly replaced or adjusted the audio/control head assembly and left it just high enough to reach the vision tracks, but not so high that the recording of audio and control track signals was impaired.



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Sharp         VC381, VC383, VC385           3H5S(SP)         £39.90           YC483, VC483         VC483, VC483           Fits model numbers, VC9100, VC9300, VC9300, VC9500, VC930, VC384         All others available P.O.A.           VC385, VC386, VC386, VC381, VC383         VC483, VC386           VC483, VC483, VC483         Sanyo           VC386, VC386, VC482		SLC5, SLC7 SLC6 SL8000, SL8080	£7.50	VC9100, VC9300, VC9500 VC381, VC383, VC386 Hitachi	£3.90
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PS58(3S)	£34.50	VS2, VS3, VS4, VS5		Sharp VC9300 etc Sharp VC7300 etc	£2.90 £2.60
Amstrad/Saisho         VT6500, VT8000, VT8300           3HSS(R)         £29.50         VT8500, VT8700           Fits model numbers: VCR7000 and all model         VT9300, VT9500, VT9700	£34.50	Many others available		Amstrad 7000	
Fits model numbers:         VCR7000 and all model         VT9300, VT9500, VT9700           els using Orion chassis.         VT11E, VT14E         VT11E, VT14E           3HSS(FI)         544.50         VCR5200         VT132           Fits model numbers:         VCR4500, VCR5200         VT32E         VT32E	£34.50	CREDIT CARD	Access	SENSOR L.E.D.'s All Panasonic All Ferguson/JVC	£2.90
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V1000. Please call if your model is not	listed	SAME DAY		Sharp VC9300, VC381 etc Amstrad/Saisho etc	£18.20
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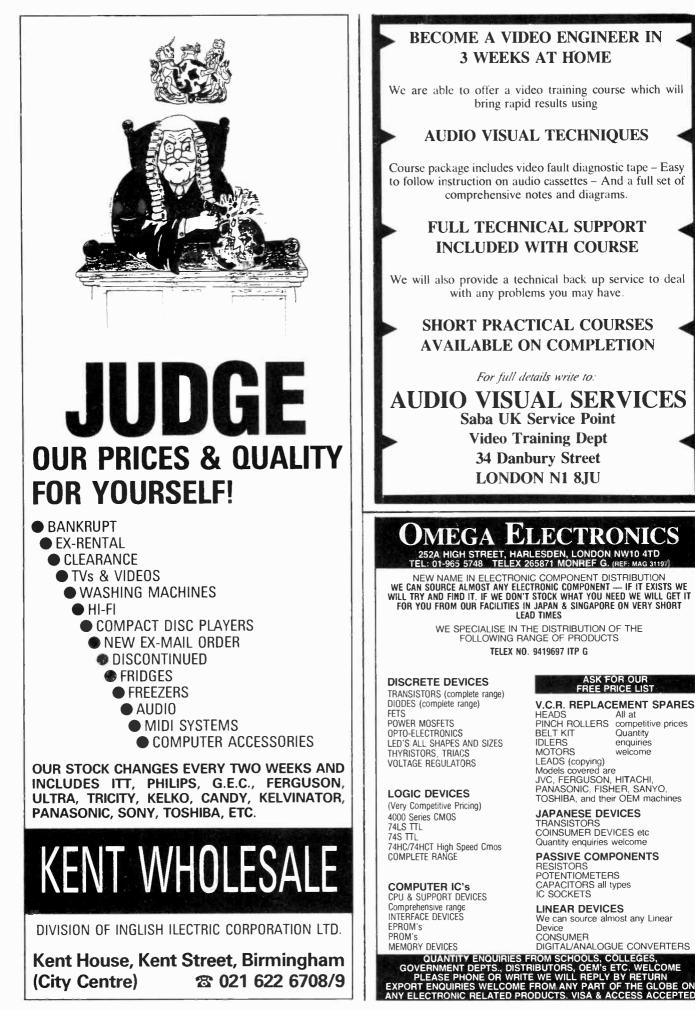
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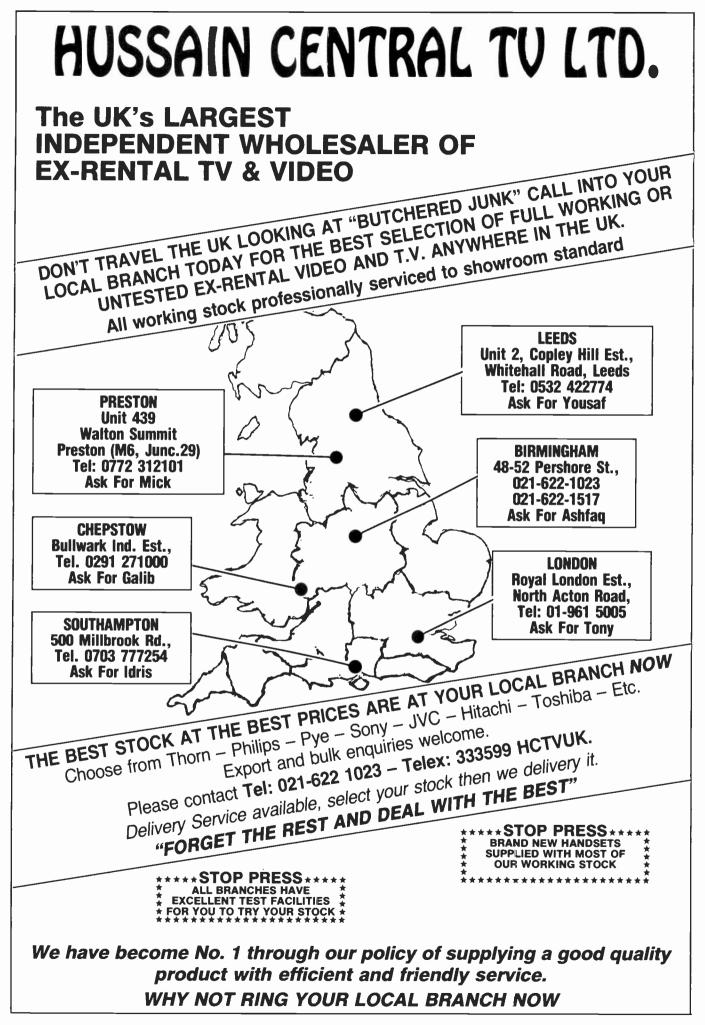
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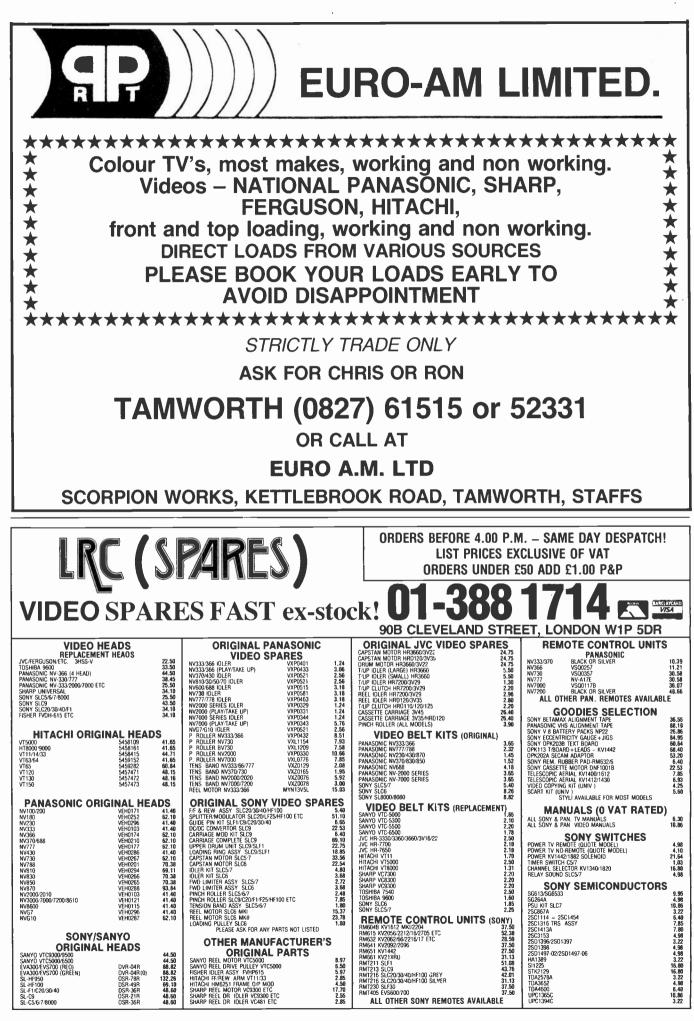
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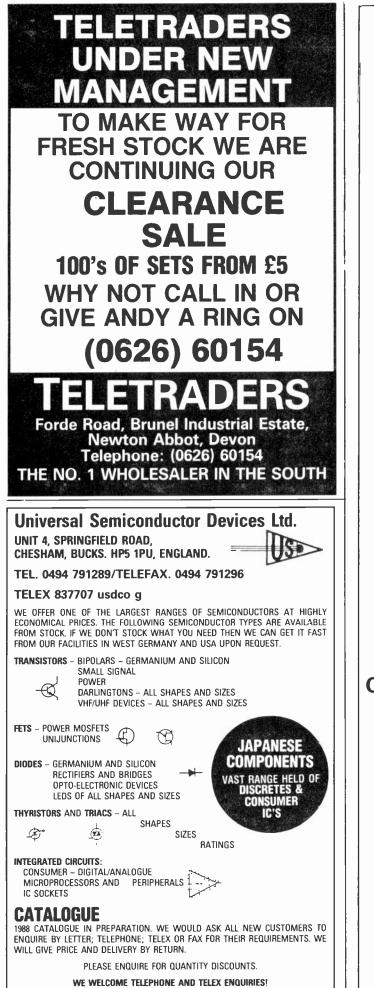
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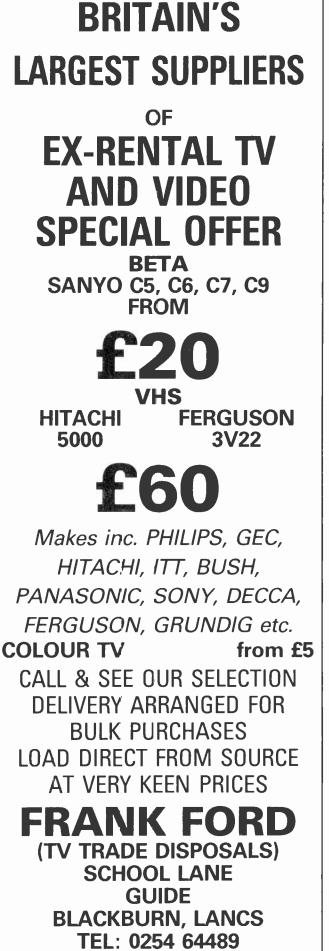
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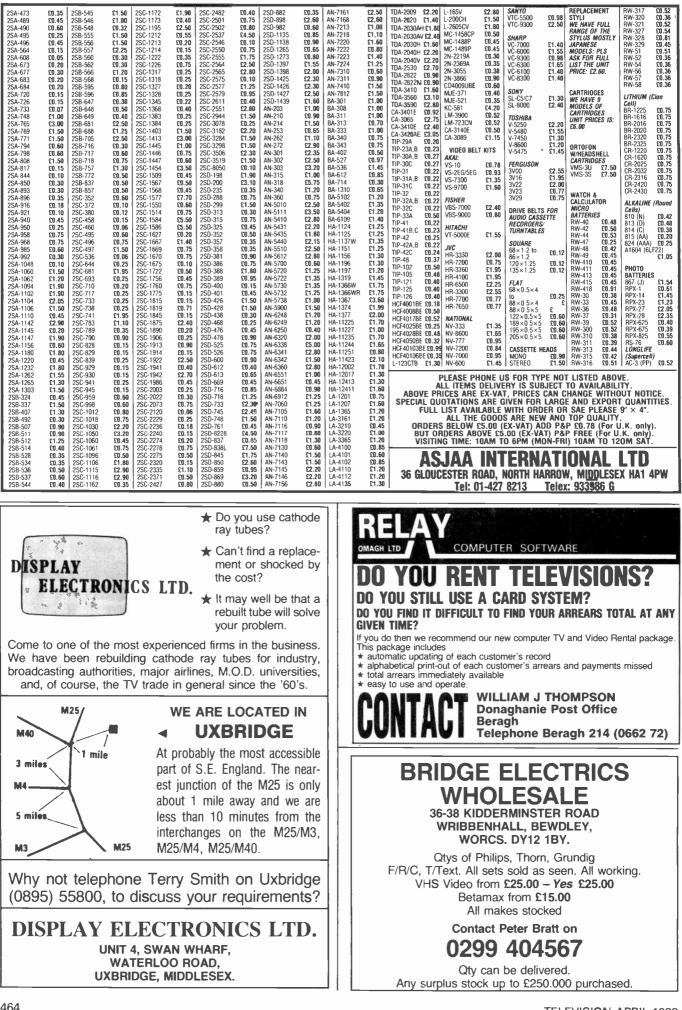
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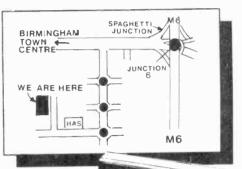
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VIDEO HEADS         VIDEO BELT KITS           JVC 3HS         222.50p         VS-2EG 5EG         80p           HITACHI VI 000-9000         223.50p         VS-2EG 5EG         80p           HITACHI VI 1000-9000         223.50p         VS-10         55p           HITACHI VI 11/14/33         224.85p         VS-7300         E1.46p           VIDEO IDLERS         VIS 300         22.85p         VS-700         E1.65p           VC         VIDEO IDLERS         VIC 5500         E1.90p         VIC 5500         E1.90p           VT 11 41 71         23.85p         VIC 5500         E1.90p         VIC 5500         E1.90p         VIC 5500         E1.90p           VC 0005GEZZ         22.50p         VIC 6300         E1.90p         VC 64100         E1.90p         VC 64100         E1.90p           V2 000         E1.50p         VC 6400         E1.90p         VC 6300         E1.90p         VC 6300         E1.90p           V2 000         E1.50p         VC 6300         E1.90p         VC 6300         E1.90p         VC 6300         E1.90p           VW 2000         E1.90p         VC 6300         E1.90p         VC 6300         E1.90p         VC 6300         E1.90p           VW 2000         E1.90p	27128         3500         AN3.18           27256         433.40         AN3.60           6116         1750         AN3.60           6264         2759         AN4.18           6503         3750         AN4.16           6510         9500         AN5.61           6522         2300         AN5.61           6522         3050         AN5.72           6803         2000         AN5.73           6803         2000         AN5.73           6803         6252         AN5.73           6804         6252         AN5.73           7600         2000         AN5.73           74         SERIES         AN623           4000 <series< td="">         AN633</series<>	0         1600         HA133           0         1258         HA133           0         1759         HA133           0         300         JOUP         L4423           10         2259         L4424         L4242           11         23759         L4442         L4424           12         1750         L4442         L4442           21         1750         L4446         L4446           12         1750         L4446         L4446           12         1750         L4446         L4436           12         1750         L4446         L4450           12         1750         L4450         L4450           12         1750         L4450         L4450           12         1752         L4450         L4450           13         1257         L4450         L4450           14         1250         L450         350           14         14007         14720	6 395p STK443 7 275p STK457 8 260p STK459 01 275p STK461 0 150p STK463 0 200p STK463 0 200p STK463 0 160p STK0080 0 150p STK0080 0 250p STK2025 5 275p STK2025 0 300p STK2025 1 200p STK2129 0 250p STK2224 0 250p STK2240 7 400p STK2240 7 400p STK2240 7 400p STK2240 7 400p STK2240 7 400p STK2240 7 400p STK225 8 280p STK23041 0 250p STK23041 0 250p STK3044 0 2500 STK305 7 14000 STK4026 0 STK4026 0 STK4026 0 STK4026 0 STK4026 0 STK4025 0 STK405 0 STK	7759         TDA3551         2959         BD23           6609         TDA4420         4009         BD23           6790         TDA4420         4009         BD23           7590         TDA4500         459         BD23           8259         TDA4600         3009         BD23           8259         TDA4600         3009         BD23           9009         FC107         100         BF39           8009         TTAANSISTORS         BF39           9009         BC107         100         BF41           7589         BC109         10         BF41           7589         BC109         10         BF42           5590         BC118         10         BF42           5590         BC141         20         BF41           5590         BC142         20         BU11           5509         BC142         20         BU14           5509         BC142         20         BU12           5509         BC143         20         BU20           5509         BC149         00         BU20           5509         BC149         00         BU20           <	5 35p 2N3055 35p 2N3055 35p 2N3440 5 35p 2N37440 5 30p 81106 7 25p 81109 8 25p 81109 2 20p 81120 2 81138 2 20p 81138 2 20p 81138 2 20p 81146 2 20p 811	389         Johnn Sklöw           560         PER 10 C1           660         PER 10 C1           159         20mm FAST           159         20mm FAST           160         PER 10 C1           180         PER 10 GAP           859         20mm FAST           1100         100MA TO 3.5A           1100         100MA TO 4.5A           1100         100MA TO 4.5A           1100         1"MAINS           859         20mm FAST           100         1"MAINS           859         LEOS           400         PER 10 800           559         LEOS           400         10 FOR 70p           559         DIOCES           569         BY126           60         BY127           80         BY133
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$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	LOW PROFILE         AV711           SOCKET         AV711           8pin         6p           14pin         3p           18pin         9p           AV711         3p           18pin         9p           AV711         3p           18pin         12p           20pin         14p           20pin         14p           20pin         20p           AV721           AV721           AV721	150g         TA723           16         150g         TA723           17         100g         TA723           18         150g         TA724           100         TA723         TA724           101         TA723         TA724           101         TA724         TA724           101         TA724         TA724           101         TA724         TA724           101         TA723         TA724           101         TA726         TA727           101         TA726         TA727           101         TA726         TA727           101         TA726         TA727           101         TA727         TA727           101         TA724         TA727           101         TA727         TA727           101         TS0g         TA727           101         TS0g         TA727           101         TS0g         TA727	AP         330p         STR4090           P         200p         STR4090           P         290p         STR4020           PP         290p         UPC10180           AP         290p         UPC10180           AP         290p         UPC10180           P         100p         UPC102180           P         290p         UPC103114           P         290p         UPC103141           P         275p         UPC103141           P         300p         UPC118244	675%         BC212         10%         BL400           675%         BC212         10%         BL400           675%         BC213         10%         BL400           675%         BC213         10%         BL400           250%         BC213         10%         BL401           200%         BC214         10%         BL400           200%         BC237         10%         BL402           90%         BC238         10%         BL420           90%         BC301         20%         BL421           91%         BC301         20%         BL420           91%         BC302         20%         BL500           154%         BC302         20%         BL500           154%         BC302         20%         BL500           280%         BC327         10%         TP29           280%         BC328         10%         TP29	b)         95p         25C2026           75p         25C2028           70         95p         25C2029           85p         25C2029           95p         25C2078           95p         25C2066           10p         25C2106           10p         25C22066           110p         25C2238           110p         25C22314           15p         25C2345           C         25p           25C2458         25C2458           C         25p           25C2458         25C2458 <td>750 BY207 150 450 BY208 200 800 BY210 250 950 BY223 750 950 BY225 1200 900 BY226 200 900 BY226 200 900 BY226 200 900 BY226 200 800 BY288 280 800 BY288 280 800 BY288 280 800 BY289 300 1500 1N4148 20 759 1N400 100</td>	750 BY207 150 450 BY208 200 800 BY210 250 950 BY223 750 950 BY225 1200 900 BY226 200 900 BY226 200 900 BY226 200 900 BY226 200 800 BY288 280 800 BY288 280 800 BY288 280 800 BY289 300 1500 1N4148 20 759 1N400 100
120 × 1.2       15p       205 × 0.5 × 5       70p       Attraction of the second s	REPLACEMENT         AN722           STYLUS         AN722           STYLUS         AN722           MUE A         AN722           MOST         AN731           MARGE OF STYLUS         AN731           MOST         JAPAMES           MODELS         PAICE           MOTOELS         BA527           MODELS         OF           MODELS         OF           MODELS         OF           MODELS         OF           MA78         AN741           MODELS         OF           MA78         AN741           MODELS         OF           MA78         AN741           MODELS         OF           MA78         MA742           MA79         MA743           MODELS         OF           MA78         MA742           MA74         MA744           MA74         MA744           MA74         MA744           MA744         MA744           MA744         MA744           MA744         MA744           MA744         MA744           MA744         MA744           MA744	20         175p         MB371           22         350p         MB371           23         150p         MB371           24         150p         MB372           10         125p         MB372           11         125p         MB372           12         175p         MB372           11         125p         MB372           12         175p         M6151           175p         M5151         M549           19         275p         M5151           99         180p         STK01           96WR         180p         STK01           96WR         180p         STK01           73         325p         STK02           88         180p         STK02	2 150p UPC1230H 3 160p UPC1230H 4 300p UPC1237H 2 350p UPC127FH 0 250p UPC1363H 1 350p UPC136H 4 325p UPC136H 4 325p UPC136H 1 280p UPC139 H 7 280p UP	2500         BC337         100         T1P30           2700         BD131         250         TP31           2700         BD131         250         TP31           2700         BD132         250         TP31           2700         BD132         250         TP31           2000         BD132         250         TP31           2000         BD135         200         TP32           3600         BD135         200         TP32           3600         BD135         200         TP32           3600         BD136         200         TP32           3600         BD136         200         TP33           1759         BD138         200         TP33           4500         BD139         200         TP41           1000         BD140         200         TP41           1000         BD150         300         TP42           2000         BD157         300         TP42           2000         BD158         400         TP12           1750         BD166         300         TP14           1600         BD175         300         TP14	25p         25c2570           0         30p         25C2577           A         24p         25C2578           C         30p         25C2579           A         24p         25C2579           C         30p         25C2560           A         24p         25C25611           S0p         25C3150         50p           4         25C25811         25C3150           50p         25D324         25C3150           50p         25D325         25D325           C         25p         25D344           5         60p         25D3747           7         60p         25L438           925L348         25L438	Sign         Tester         Tester           250p         250p         250p           250p         250p         250p           250p         250p         250p           250p         250p         250p           130p         277 to 390'         1.3V           110p         22 × 61 FANGE         250p           250p         VOLTAGE         000'           70p         7812         40p           70p         7815         40p           70p         780         795           250p         7915         40p           500p         7912         45p           500p         7915         45p

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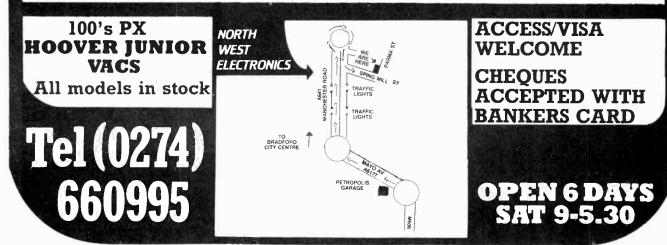
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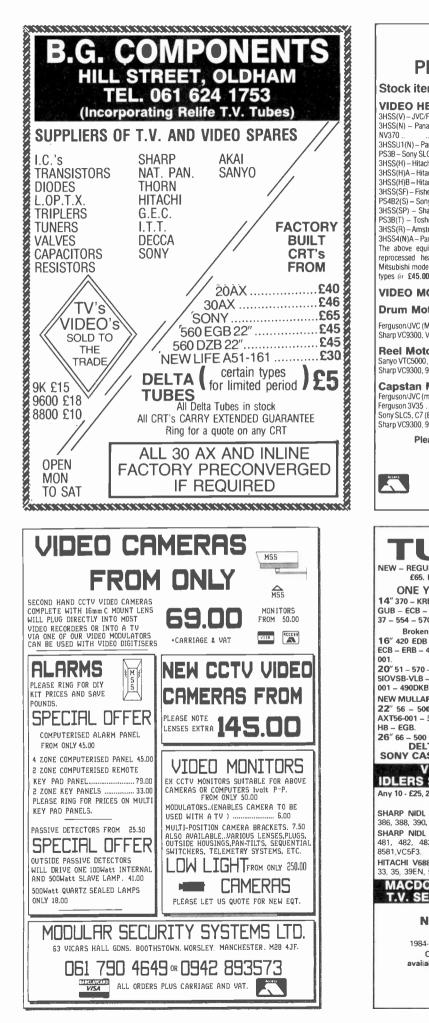
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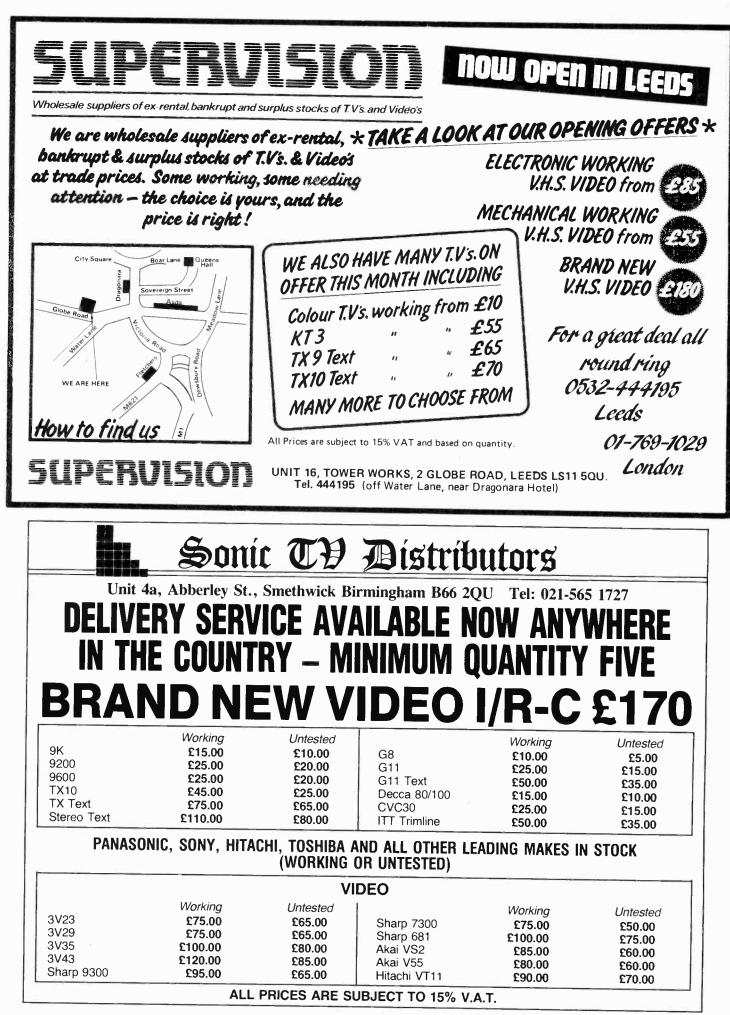
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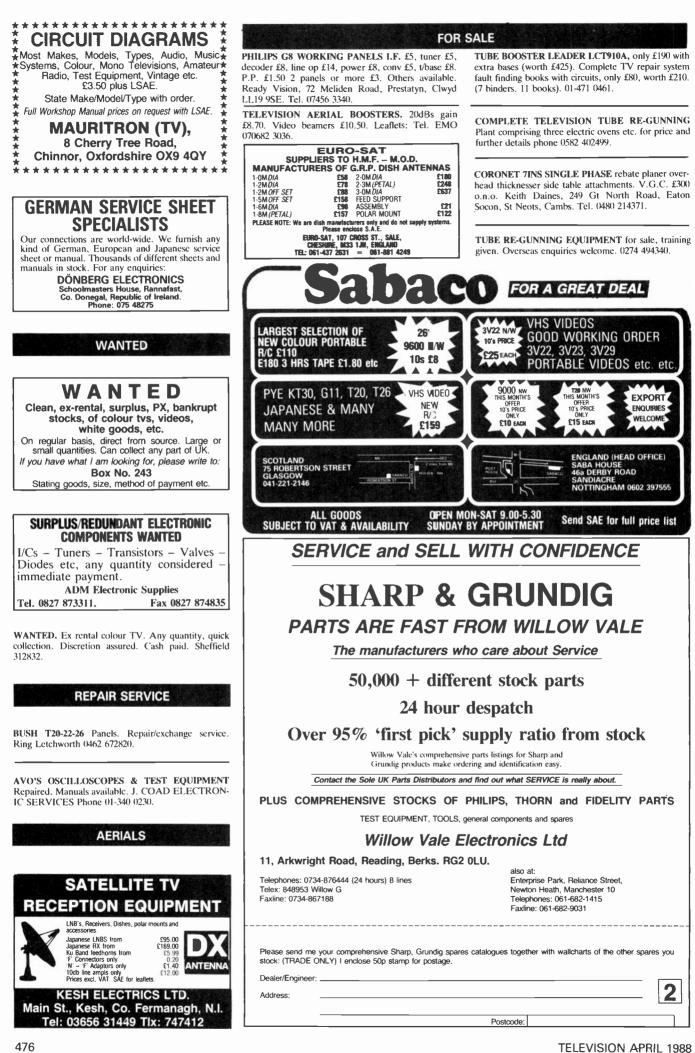


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Z582 1.F. Panel £5	TIC 126N TIC 206m TIC 225S TIC 226E	30p 40p 40p	BYX 72/300 20p BYX 36/600 50p	Miniature Linesman Pli Miniature Side Cutters	iers	£2.20 £2.20	Miniatu Miniature Er	re Pliers id Cutters	£2.20 £2.20
KT3 Teletext Power Supply £10	TIC 226m TIC 236m	30p 30p	BYV 95B 10p BVY 95C 12p	Sound Output RGB O	utput C	KT3 PAN hroma Panel, I.F		Line OSC £7.	.00 each
BA 301 £1 TA 4127 £1	TAG 226/600 TICV 106D (T092 case 2A/400V)	50 jp 10 p	BYV 96D 10p BYZ 106 10p	SONY 1400KV Chrom	a Panel	£6	100 Fuses	$4.4 \times 4 \times 1 \times \frac{1}{4}$	50p £2.00
HD 3884 2A23 £3 TA 4184 £1	TIP 29 TIP 30	20p 35p	BPW 41 15p BYW 56 2A/1000v G11 8p	SONY 1400KV Touch	button	unit £3.50	100 W/W R BF 199	20	£1.50 ) for £1
TA 2125         £1           TA 4190         £1           TA 4138         £1	TIP 30A TIP 30B	35р 40р	BZU 15/24 54p BZY 93c75 50p	GEC Decoder Panel P	C772A		BF 470	rn 100k pots. Rank 20	£2 ) for £2
TA 4196 <b>£1</b> TA 4174 <b>£1</b>	TIP 30C TIP 31 TIP 32	45p 30p 25p 50p	BZV 15/18 30p BZV 15/30 30p				6 Mixed U	HF Aerial Isolating So ong leads. Fit ITT, G	ckets,
TA 4139 £1 TA 4198 £1	TIP 33B TIP 33C	50p 70p	BZW 70c6v2 10p BZX 79.3v 10p	Tube Date 20/11/ OLC			Philips, Pye		£1.00
TA 4199 £1	TIP 34A TIP 34B TIP 34C	70p 50p 60p 70p	Bush thyristor RCA 76122 £1	Thorn Aerial Socket T		£1	TO66 12 Pc	Mixed Packs ower Trans RCA 1618	2 NPN
BA 328 £1 TA 4176 £1	TIP 35B TIP 35C	50p 70p	Transformer 240v/20v-500Ma 75p Chassis type Transformer	12 Volt Mains Trans 50		£1.00	Replacemer Kits	at for BD124 and Mou	nting £1.00
TA         4145         £1           TA         4191         £1           HA         11710         £1           TA         4188         £1           TA         4187         £1	TIP 35D TIP 36	80р 50р 70р	240v/12 Volts 500m/a 75p CVC 20 tube base £2	Double 1.5 Digital Dis High brightness	play.	20p	10A	ount Bulbs & Neons	£1.50 £1.50
TA 4188 £1 TA 4197 £1	TIP 36C TIP 41B TIP 41D	40n	Tube Base Rank & G11 £1.20		_		25 LED red 201/C Holde 20 Large Li	l/yellow/green ers FD Red	£1.50 £1.20 £1.00
TA 4183 £1 TA 4197 £1 TA 4183 £1	TIP 42/BRC 6109 TIP 48	70p 30p 40p 30p	Infra red led LD57CA I5p	Quantity Re BY204/4		s 25 for £1.00	20 Small LI 10×20 Turr	ED Red	£1.00 £1.00
TA 4195 £1 TA 4175 £1	TIP 49 TIP 57 TIP 110	30p 30p 20	AT 4041/41 transductor £1 15K-20 turn pots 20p Thorp 3500 2A cut out 50p	BY206 KT3 touch button blac		25 for £1.00 6 for £1			Ip each
TA 4192 £1	TIP 100 TIP 102	30p 30p	Thorn 3500 2A cut out 50p	Gil touch button red K30 full remote Dawer		6 for £1	Mixed 100	Transistor B.F. and B.	C. and
TA 4146 <b>£1</b> TA 7265 <b>£3</b> TA 7699P <b>£3</b>	TIP 115 TIP 117	30p 20p 30p 30p 50p 50p 35p	SPECIAL OFFER Decca-TTT etc.	I.C. K30 VHF. UHF Dawe	er Ass	£7.00 £6.00	PET	£1.50 1000 for	
The Service Engineers	TIP 125 TIP 126 TIP 127	40n	FEO4/1/250AC/4 Mains filters (grey type) × 4 50p	BY298 3 amp/fast/R BU126 BU1205	1	20 for £1.50 10 for £6.00	12 Volt 4 A Type D Ce	mp Video Battery Pac Ils	k 10 of £8.50
Guide to Teletex £2 4 Types Fedility front	TIP 130 TIP 131	40p 30p 25p 30p		BU205 BU105 BF458	1	10 for £8.00 10 for £6.00 10 for £1.00	40 glass ree 10 press to	d switch make switch	£1 70p
panels with i.c. & pats £2 each	TIP 136 TIP 140 TIP 640	50p	BRIDGES KBL 005 30p	BF224 OA90		20 for £1.40 40 for £1.00	40 Pots With Focus	Pin, 10 Tube Bases,	£1.50
BB 103 10p BB 105A×12 £1	TIP 640 TIP 2955 TIP L761A-1000V/4Amp	50p 35p 75p	KBL 02 30p KBP 04 30p	50 Ceramic Condensers Mixed Mounting Kit fo	s	£1.50	mixed 1,000 Diode	es, Condensers, Resisto	
BB 105B×12 £1 BB 105G×12 £1 BB 121a 10p	T 6032 T 6036	75p 30p 40p	W02 15p W004 15p	Transistors 300 Condensers		50p £1.50	Bandolier 20mm Fuse		£1.00
47 10p each	T 6040 T 6047 T 6049	40p 40p 40p	W005 20p 800V Bridges 2½ Amp 30p	300 Resistors 150 Electrolytics		£1.50 £2.00	Chassis Mo EHT Diode		) for £1 ) for £1
DG3P EQV-BY228 10	T 6049 T 6051 T 6052	40p 40p 40p 40p		15 Bulbs Philips GEC-Hitachi Thick Fil	m Fran	10 <b>£5</b>	300 Mixed	Diodes	£2
Bridge Rec. Long Wires SKB2/08. 25A	T 9004 T 9005	400	Thorn Chassis U916D Complete £10	CENID7 4	C			ap Pots ITT-GEC-Hita	£1 chi-
<b>£1 for 8</b> 2 amp bridge rec. wire	ZTX 107 ZTX 108c ZTX 109k	10р 10р 5р	Front Panel Thorn 9000 with	SENDZ	LON	<b>PONENTS</b>	Philips etc, ITT Mains	20 Switch with Remont	) for £1
end 15p	ZTX 109k ZTX 213	5p 5p	Slider Touch Unit £4		DA	UN PAGE	СМСПЗ		£1

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SENDZ	COMPONENTS e back page	Rank T20 Z130 Panel NEW GFC 20AX Power Supply Switch M Field + Jungle panel for GEC 3133/3135 GEC 2110 line panel with transformer GFC 2110 line panel + 11: Panel	£7.00 £12.00	400V 400M 60p 350V 400M 60p 1 horn 3500
	K35 Decoder £8,00 K35 Spint OP £4,00 K35 Spint Dode 3122-138-38930 £10,00 Thick Film Daughter KT3 3122-127-43891 £3 12 C 11 K30 Fex Rec Front Panel with TC £5	Pye/Chelsea Line op panel Pye 205 Yunt Pye 205 Line op panel Pye 713 IF panel and tuner Pye 713 Chroma Pye/Chelsea Timebase panel with I OPTI Pye 731 Frame Panel	E12.00 E3.00 77.50 25% E10.00 E10.00 E10.00 E10.00 E10.00 E10.00	KT3.3/20025/25/385v         €1.00           KT3-K30/221t+40         75p           200+201+75+25M/325V         £1.00           300+300+150+100+50MUD         350V           350V         €2.00           G11/CAP 470/250         €2.50           47/270/350v         600
Thorn Spares           New 9000 Decoder         £8.50           9000 Frame panel         £8           9000 Cyclops panel         £1.50           8000 convergence panel         £6           8500 convergence panel         £6	Plug In         £1,00           K4 Focus Pot         £1,00	Pic 731 Convergence Panel Pye 731 Chroma Pye 731 Fr panel + tuner Pye CDA/205 panel GEC portable chassis + LOPFI 2114 New Thorn 1613/713 chassis	OFF \$5.00 £10.00 ALL \$5.00 \$4.00 DANEL \$5.00 \$4.00	150/150/100/100/100/3205 22,00 2500/2500/035 50 1500/200/200/100/275 £1,50 300/100/100/16/275 \$1,50 100/200/325 \$0 150/1500/100/375 £1,50 200/200/52525M 3757 £1,60
4000 Prover Supply         £3           1600 Mains lead, switch         160           T605 INNPN Th66 80×/6A         10p           9000 Sound output panel         £1           5500 Focus unit         £1.50           3500 Mains Trans         £4           3500 Iocus unit         £1.50           3500 Ocus unit         £1.50           3500 Iocus unit         £1.50	Indelity Tube Base with transitor & locus pot         £1.50           Bush Tube Base on panel         £1.00           I X10 Tube Base on Panel         £3.00	G9 Power Panel Mono RANK Chassis 127A NEW NEW G9 Frame Panel NEW G11 II: Panel	PARELS £6.00 £14.00 £4.00 £10.00	300/300/100/32/32/3005         2.00           3500/200/200         500/2005         500/2005           1500/200/200         500/200/100/100/2005         \$2,00           100/350/200/200/100/100/2005         \$255+257300/010/200/200         \$700/200/200/200           200/200/100/100/2005         \$00/200/200         \$500/200/200
3800 IF panel         £2           3800 IF panel         £3           3800 Line panel         £3           3801 A1 Diode         20p           Export 3800 IF panel         £2           IC board with set of SN74LS         £1           4000 Fube base         £4	Line Transformers Line O.P. Trans. Mono I.X. 12"-14" Plinlips 27482 £10 4822 £10	G8         Luner         Unit + Panel         £4.00           G8         IF-& Chroma         £6.00         £6.00           G8         Chroma         £3.00         G1           G11         Fletector         £3.00         £3.00           G11         Selector gain module         £3.00         £3.00	1/100 × 10         30p           22/100         10p           47/0/100         5p           470/100         20p           470/100         20p           470/100         75p           471/00         75p	200/150/150/300x         L00           IFT 8 and 6 Push Button         €1.00           Pvc 725 LOPTs         €6.00           Pvc 731 LOPTs         €6.00           Thorn 8500-8800 LOPTs         €5.00
3500 A1 poils         50p           Beam limiter panel         £1.50           3500 Power panel with Y969         £1           3 Way regulated adaptor 240V 6V/         7.5/9V/300mA           Rank/Toshiba preh unit 0354         £9.50	10273         £10           Thorn 1691 LOP1         £7,50           2 J/Pots 3 500 Loff each type         £3,00           Git Spin Lowle         £7,00           C St Spin Lowle         £12,00           C X S20 Spin Doube 111         £10,00           Thorn BW AD5 308 L State         \$10,00	Complete CVC 825 Chassis (both panels)         £40.00           AFC V/Cap Resistor Unit UHF with 1C         \$\$,660 SA\$,670         \$\$,300           Z714 RANK IF Panels 6MHz 11 C         \$\$,431+         \$\$,300	300/300/300/         800/160         800/160         500/1700           x1/250         Palse         5p         2/2         2/2         500/1700         100           x7/85         1500V         15p         3/3/250         A.C.         100	CMC 303 front panel         E8.00           CMC 302 Panel with 1 C mains switch etc         E8.00           CMD 800 Decoder         E8.00
4 Push button timt preh     £1.00       6 Push button VII/VIFIE for     7       v(cap, GEC-Decca type     £7.00       7 Push button for CVC5 11T     £2.00       KT3 (Export) 12 P.B.u     £2.00       K Push button Thorn     £1.00	1 cad         £1.50           CB-C 2140         £3.00           CB-C 2110         £7.00           Mullard AT 2036         £1.50           Pyce 169 Line Trans         £3.00           Pyce 169 Line Trans         £3.00           Psc mono         £3.00	Z909B         RANK II: Panels           Export 55MHz         LC:           TBA1205B         TCA2705Q         €2.50           K351F         £6.00           Z743         RANK II: Panel           Export 5.5MHz         2.1C:           TD A760; SMEZ         3.1C:	33/250V         200           39/250V         15           39/250V         15           407/250 tested 5KV         25p           22/250         15p           7/1250         10p           19/0250         20p           611         47/0250Y         £1,75	BSS 38 30p G11 £1.50
6 Push button GRC £6.00 6 Push button PYE 731 £6.00 Hearing aid unit £3 Rank Z718 4 P/B-Unit MFCH £4 7 Button Unit GFC with Lamps £7 697 Push Button Unit £6.00	Spir Dock:         Trans         \$7.00           GFC 20 AN Rank, Z522         \$3.00           Rank, I_O, P, T., Z970         \$3.00           CVC32         \$6.00           AT2080/15         \$5.00           CVC32         \$5.00	TBA750+SC9504P+ SC9503P Pye G11 Front panel with transducer, pots, tuner pots, 6 pb switch+lead <b>£5.00</b> Pye 6 button switch portable <b>£1.00</b> GFC Vicap VH17UHF tuner and H+ sound O/P PC 700B3 (Export) <b>£12.00</b>	G1-CHNV250 600 780/250 €1 80/-380 €1.00 80/-380 €1.00 80/250 400 20/350 20 8/350 80 8/350 80	£23.00     Meters Hills 520     £17.00     Meters Hills 420     £15.00
T513Al <sup>3</sup> panel         £5.00           Mains Droppers         Pvc 731 3+56+27R         50p           Thorn 50/17/1K.5         £1.00         120/20/20/48/117         £1.00	CVCN01 Jane Trans         E6.00           CVCN04 Jane Trans         E12.00           CVC44 Sip-Dode         E5.00           GFC Portable G1072041         E3.00           GFC Portable G1072046         E3.00           FFIT Spir Dode Leads FT         E.00           S001, C P1 & 111 Trans         each 22.00	GEC Line O/P PC 659B3 £6.00 2110 GEC Power Panel £8.00 CVC 20 Front panel with sliders + mams input panel £4 CVC 40 PUSH BUTTON ASSY with sliders, complete with lamp assy + pols	4.7/M/350v 00p 33/350 20p 220/350 30p 200/350 40p 200/350 40p 200/350 50p 200/350 50p 20/355 50p	HTP100         Multimeter         £6.75           HTP300         Multimeter         £7.75           HTP500         Multimeter         £9.00           HD51000         Digital         £20.00           HD5000         Digital         £25.00
270/10/6 for Thorn 4000         50p           18/32/07/93         €.1.0           Thorn 50-40/8:1K5         50p           Ac Socket & Lead         612(, 117, Philips, Pyc           7×3/3/Thorn         £1           Thorn 600-1700         £1.50	LOPT Rank Z763 £5,00 K35 Splir Diode 3122 13835930 £10,00 Universal Tripler with small locus pot. Green type £7,00	8 button units     €9.00       CVC9 shder pots panel     50p       Universal Focus     Fits Pye, Thorn and       Decea Units     E1.00       Z147 Rank tube base on panel     £1.00       Z718 Focus Unit     €1.00       T20 Focus Unit     €1.00	22/0385         (1171)         755           33/0385         CVC         820111         600           61/400         150         157           7(31/12/W_39/400)         155         56K-400.         200           7(200/1/400)         00         22/440         00           22/440         00         100         100	HD9500 Digital with capacity Temp Trans Volts Ohms and Amps ranges E60 Hanse Fester Works at 24 feet - Sound repeater
Rank Toshiba Tube Bases         30p           Speakers         6×4 G11         25 ohm         £1.00           5 <sup>1</sup> 2×2 <sup>1</sup> 2         3 ohm         £1.00         5×3         \$0 ohm         70p           5×3         \$0 ohm         50 ohm	Black Triplers         66.00           K13 Triplers         66.00           S.T.C. Universal Tripler         66.00           11 LTL         62.00           11 LTL         62.00           121 CVC 5.8-9         62.00           171 CVC 5.8-9         63.50           Rank 1251.J. Tripler         62.00	Large 19pe         75p           Large 19pe         75p           Decea Small         75p           K13 brous Unit         75p           K30 Locus Pot         75p           K30 Focus Unit         75p           K30 Focus Unit         75p           K30 Focus Unit         88.50	\$2400 [5] 334100 200 400×400 400 394長(400∨ 200 394長(400∨ 200 47/500 255 0.1/600 555	Works off 9 volt battery L8.00 Erts in top pocket Handset Tester with LED E4.50 Repaired Handsets Philips K-4-K35, RC 5350-RC 5340 RC 5370, RC 5375, repaired same day
5x3         \$5 ohm         70p           6x4         15 ohm         \$1,00           6x4 speaker         16 ohn         \$1,00           7x3         70 ohm         \$1,00           8x5         8 ohn         \$1           \$xx5         8 ohn         \$1           \$xx5         8 ohn         \$1           \$xx3         8 ohn         \$1	Kank         FLP1:         FLP1: <thf< td=""><td>CVC 32 Focus Unit         75p           Feddity Focus Unit 14R–14S         30p           3500 Fhom Focus Unit         £1.00           111 Small for use with Split         2718           7718 Bush Focus         £2.00           Diode         50p</td><td>11/1200V wre end         20p           01/450 A/C wre end         20p           22/1000         20p           047/4000         10p           9,01/1000         10p</td><td>RC 4001 Full Remote K13 K30 Telefext Handsets exchanged £15.00 CrFC Full Remote Intra-red, 1983 models £15.00</td></thf<>	CVC 32 Focus Unit         75p           Feddity Focus Unit 14R–14S         30p           3500 Fhom Focus Unit         £1.00           111 Small for use with Split         2718           7718 Bush Focus         £2.00           Diode         50p	11/1200V wre end         20p           01/450 A/C wre end         20p           22/1000         20p           047/4000         10p           9,01/1000         10p	RC 4001 Full Remote K13 K30 Telefext Handsets exchanged £15.00 CrFC Full Remote Intra-red, 1983 models £15.00
7×3         16 ohm         €1.00           5° dia         16 ohm         €1.00           5° dia         8 ohm         €1.00           6 <sup>1</sup> / <sub>2</sub> ° dia         4 ohm         €1.50           6 <sup>1</sup> / <sub>2</sub> ° dia         3 ohm         €1.50           2 <sup>3</sup> / <sub>4</sub> ° dia         8 ohm         75p           3° dia         8 ohm         75p	9000 I horn         £7,00           9500 I horn         £4,50           9600 I horn         £4,60           9600 I horn         £4,60	TV11         S0p           Remo TV12SP         S0p           1600 Thorn L1FT Rec and Lead         S0p           TV13         S0p           TV14         S0p           TV18         60p           TV20         €1.00	0 //1000 00 47/1000 65g 47/250V A.C 10p 001K 1250 10p 005/1500 00p 005/1500 00p 015/1500 00p	TOSHIBA HAND SETS 24 Button CT938 Fulremote 32 Button CT938 Valeotext THORN
4 12° xq 15 ohm 75p K F3 speaker K30 75p 3° dia 15 ohm 60p 1690 5×3 12 ohm £1 K 5 Philip 15 ohm 75p K30 15 watt £1	CVC2b32 CVC	TV45         S0p           Them 14/1500 rec stick         \$5p           TX10 8 Button Unit         £10,00           TX100 16 Button         £10,00           G11 drawer ASS 3 pots Mains switch         \$1000	1n8/1500         150           2n0/1500         100           2n2/1500         150           _01/1600         150           _01/1600         150           _01/28V         150           _01/28V         200           _01928V         150	Large type TPLTV and V.C.R Handset £15.00 GEC Ultrasome 8CH Full Remote £15.00 GEL bull Remote £15.00
K13-k30           OF-425         i. W.         10p           OF-551         sorrection         10p           OF-557         50p         50p           B3 126         DIODES         10p	BG_100/41         E3.25           LRO_1upler print type with loacs PO7         BG2087           BG2087         E14.00           12-14V         20 for £5.00           C1 (C x touch unit assy complete with all (C x + pois)         E4.00	and lead £2.00 K30 Drawer Ass with pots cable forme £1.00 TX10 Drawer with 8 way pots. ass. £2.50 TX10 Ex port with bind switch	D20015/25KV 100 fm22KV 15p 2m/25KV 15p 2m/22KV 15p 2m/22KV 15p 2m/27KV 10p 7501ph/25KV 10p 7501ph/25KN 10p	C201411/C221911 E15.00 New Replacement for G11 Ultrasonic Full Remote E12.00 Thorn 4000 (nert) with 7 buttons E5.00 Decca RC 11 Decca RC 12 E14.00
B5         127         10p           B5         133         10p           B7         134         10p           B3         164         50p           B3         176         25p           B3         170         40p           B3         184         25p	G11 E.W. Fransformer         Stip           G11 E.W. cools         EL.00.           G11 Transent Suppressors 245V         20p           G11 Stan Cools         £5.00           G11 R00K tuner pots         12 for £1           K13 II: panel         £6.00           K13 II: oSSC transformer         €1	(drawer) £2.50 Line O/P panel GEC 2217/2218 221.8 2214/2226 2227/2228 £10 PHILIPS BATTERIES (Small Types) HAND SETS	4π7/2KV 15p 6π2/2KV 10p 7π1/1500V 10p 8π2/1500V 10p 9π1/2000V 10p 8π2/2KV 15p	£19,00         £19,00           Hitachi infra red handset         £18,00           Philips full remote K.1.3, 105 928/207.934,         7228/7.324, K12.267 797/151 66K           1826         £12,00           G11, Full remote robat service (exchance         6xchance)
BY 187         10p           BY 190         40p           BY 196         40p           BY 196         30p           BY 198         10p           BY 204/4         8p           BY 204/4         8p           BY 204/4         8p           BY 206/800         8p	K UK30 infra-red receiver       head     £1       K30 drawer unit with IC's     £10       K30 drawer unit with IC's     £10       K30 drawer unit with IC's     £10       KT3 A1 Sockets     \$50p	SR41         40p           SR43         40p           SR44         40p           SR54         40p           I R43         40p           I R44         40p           I R43         40p           I R44         40p           I R54         40p	0.0082/2500 [5] [50/3500] [0] 180/3500 [0] 180/35KV [0] 170/5KV [0] 180/5KV [0] 210/5KV [0] 210/5KV [0]	G11, Full remote new altrasome - €32.00 GFC infra red bill remote 8 channel (1 C SAA1250) - £14.00 Philps infra red bill remote 9 channel for 60 (CP2605 red bill remote 12 channel for 60 (CP2605) - £12.00
BY 210/4001         Sp           BY 210/0001         BP           BY 223         60p           BY 224/6001         48A/6006 bridge           BY 224/6001         50p           BY 224         50p           BY 227         15p           BY 228 15006         20p	K13 receiver panel BK K13 line driver transformer S0p Pye, K30, GEC, etc. Pre-mains stand-by witch El Decca 89/100 H- panel ES NPN PNP 80V 6 Amp 1006 O P Trans pair 25p	CR2032 44bp 10.500PF-2KV 20p 22.1000 20p 1/250AC 20p 1/100 5p 1/41D-250AC 25p	1000/10KV         10           47/100V         800           Table Thermpath 167         £1,00           Rank Secam Decoder Panel UHF &         £13,00           0.011 91 CAP G11         £2,00           10:041 91 CAP G11         £2,00           10:042 91 CAP 150M/385V         50p	K35         £15.00           K13K30 171 ext         £15.00           K13/K30 1-ull remote         £15.00           K13/K30 1-ull remote         £14.00           G1-C intra-red 22 36 2026         £4.00           G1-C intra-red 23 46 2026         £4.00           G1-C intra-red 24 46 2026         £4.00           G1-C intra-red 24 46 2
Flat         BY 229 black         15p           BY 229 Red         20p           BY 229/400         30p           BY 229/400         30p           BY 229/400         30p           BY 257         5p           BY 255         30p	Shutton touch tuner BBC/02 TVV1 2 video with is CAS 560/17/701 = <b>£7,00</b> Control panel 5 sliders + mains lead <b>£1,50</b> G11 8 touch button unit replaces old 6 P B U Tube base + base unit for 820 Furo chassis <b>£4,00</b>	CVC 20-25-30 Mains Switches Intra Red and Ultrasonic G11 Feletext De RANK & IT1 Mans Remote On-Off Swit	coder Panel 60p	Pye & Philips handset K 13-k 30 chassis           No RCS150-RCS176-RCS171-RCS177           Special Price         €13.00           RC4001 KT3 and Teletex         £14.00           IT CVC 32 handset reparted         £15.00           CVC 32 Hand Set         £15.00           CVC 32 Hand Set         £15.00           CVC 32 Hand Set         £15.00           CVC 45 and 2 Pin         £15.00
BY 298         10p           BY 298         10p           BY 406         8p           BY 527         20p           BY 407a         10p           BY 527         10p           BY 527         10p           BY 602         10p	Cd C Lane OP Trans & Rec Stick for Dortable         63.00           CVC 202554035401 decoder panel         610           CVC 2025503560 decoder panel         610           CVC 2025403560 decoder panel         55           CVC 4014541 panel         55           CVC 4014541 panel         55	RANK & LFT Remote Switch 2800 ohm G11 Mants Switch 4 antp Mants Switch GEC Mants Switch GEC Mants Switch a Mants Switch G8 Mants Switch	€1.53 540 259 300 €1.01 759	TX9 with Text         £19,00           TX9 & TX10 button print         £3,50           IT1         IT1           I/V & Video Processor         1200 Type           PITI TPS
i F. 347 10 GP20Ki 5p GR29Ki 5p KK 3102 50 BVV 20200 200 8KV 20200 200 KKV2.75 amps 10 International Rectifier ETFL Diodes G7	PHILIPS NL511N EL20 LM337M Reg 30p 20 GEC Black Spark Gaps EL00 KT3 Front Panel Control Assy E2.50 BTW 30/50 50p	G11 Preh Red LED P/Button for C11 CT RANK TOSHIBA Transductors IPC-201 Mains Switch ITF Long Type Print Mains Switch ITF Long Type 1AG Mains Switch GEC Long Type 1AG 2000 Chassis Fidelity Mains Switch (4 TAG 2007) White Lordin Mains Switch	singe 20p   50p   75p   75p   75p   75p	KT3 = K45           We have all parts for Philips Handsets           R(5353           E15.00           Philips R(5)           E15.00
	BTW 92/800R £3	KT3-K30-K35 Full Remote Mains Switch ( I feletext Adaptor Kit TY-500 Panasonic		LEX-LYPE Replace Hand Set for

	Tuner Units           File           Tuner V/Cap cqs to ELC/1043           540/200           240 Volts Aerial Amps VIIF-UIF 3           Way           Way           Way           VIIF-UIF 3           Way           VIIF-UIF 3           Way           Fixed Family with Data Tuner MEC1-           Fixed Family with Data Modet           Thom FXUD Export V/Cap UIF, VIIF-3           VCap Rank VIII 2773T0-101           VCap Rank VIII 2773T0-101           VCap Rank VIII 2773T0-101           VCap Rank VIII 2773T0-101           To 6 Push Batton Unit 27           FIX 2000 on Panel           GFC 2100 V/Cap           ELC 2000           NEW 64.00	SERNDZ COMPONENTS 63 Bishopsteignton, Shoeburyness, ESSEX SS3 8AF SAME DAY SERVICE All items subject to availability. Technical Information by telephone only. No Accounts : No Credit Cards Postal Order/Cheque with order Add 15% VAT, then £1 Postage Add Postage for overseas Callers: To shop at 212 London Rd, Southerd. Tel. 0702-332992 Open 9-12.30-6. GVMT + school orders accepted on official headings add 10% handling charge.	MSR/MSSI/0064         £5,00           MSR/01/84         £6,00           MSR/01/84         £6,00           MMSS/01/84         75p           MMSS/01/84         £4           MR1366         20p           NG51100         £1,00           NE5551P         60p           NE5551P         60p           NE5551P         60p           NE5551P         60p	ТНА780 ТНА800 ГНА810АР ТНА810АР ТНА820 ТНА820М ТНА820М ТНА920 ТНА920 ТНА920 ТНА920 ТНА920 ТНА920 ТНА920 ТНА920 ТНА9900 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА9000 ТНА900	$\begin{array}{ccccccc} {\bf E1.50} & TDA2581 & {\bf E2.00} \\ {\bf 50p} & TDA2591 & {\bf E1.00} \\ {\bf 60p} & TDA2593 & {\bf E3.00} \\ {\bf 60p} & TDA2593 & {\bf E3.00} \\ {\bf 60p} & TDA2560 & {\bf 50p} \\ {\bf 60p} & TDA2560 & {\bf 50p} \\ {\bf 525p} & TDA2611A & {\bf E1.00} \\ {\bf E1.00} & TDA3651A & {\bf E1.00} \\ {\bf E1.50} & TDA3651A & {\bf E1.00} \\ {\bf E1.50} & TDA3651A & {\bf E1.00} \\ {\bf E1.50} & TDA3651A & {\bf E1.00} \\ {\bf E1.00} & TDA2640 & {\bf E2.00} \\ {\bf C2.00} & TDA2640 & {\bf E1.00} \\ {\bf TDA2680} & {\bf E1.00} \\ {\bf E1.00} & TDA2680 & {\bf E1.00} \\ {\bf E1.00} & TDA3653 & {\bf E1.00} \\ {\bf E1.00} & TDA3653 & {\bf E1.00} \\ {\bf E1.00} & TDA3653 & {\bf E1.00} \\ {\bf E1.00} & TDA393 & {\bf E1.00} \\ {\bf E1.00} & TDA393 & {\bf E1.00} \\ {\bf E1.00} & TDA3191 & {\bf E1.00} \\ {\bf 51.00} & TDA3191 & {\bf E1.00} \\ {\bf 51.00} & TDA3191 & {\bf E1.00} \\ {\bf 51.00} & TDA3191 & {\bf E3.00} \\ {\bf 51.00} & TDA3191 & {\bf E3.00} \\ {\bf 51.00} & {\bf 51.00} \\ {\bf $
Sevent Data advance         The sevent Data ad	ELC2003         54.00           ELC2006         NEW 64.00           ELC2006         NEW 64.00           GEC Timer VCup Hrachi After         1970 ETS48, ETS7, ETS41B           GEC Timer VCup Hrachi After         66.00           UHT ETS66P, small         66.00           V317 (VH1)            ASTEC UM1183         £10.00           V314 (VH1)            V317 (VH1)         €5.00           U321         66.00           U342 (UH1)         €5.00           U342 (UH1)         €5.00           U342 (UH1)         €5.00           U342 (UH1)         €5.00           U342 (EH1)         €5.00           U342 (CH1)         €5.00           UV 411 Luner         €10.00           U V 417         €7.00           U V 417         €7.00           U V 418         €10.00           U V 417         €10.00           U V 418         €10.00           U V 417         €10.00           U V 418		OP [401]         20p PCD8571P         50p SAA661         EL.00           SAA611         EL.00         SAA661         EL.75           SAA1020         EL.00         SAA1021         EL.00           SAA1021         EL.00         SAA1025         EL.50           SAA1025         EL.50         SAA1073         EL.00           SAA1075         EL.00         SAA1074         EL.00           SAA1075         EL.00         SAA1074         EL.00           SAA1075         EL.00         SAA1174         EL.00           SAA1174         EL.00         SAA1174         EL.00           SAA1174         EL.00         SAA1275         EL.00           SAA1270         EL.00         SAA1276         EL.00           SAA1276         EL.00         SAA1276         EL.00           SAA1276         EL.00         SAA21276         EL.00           SAA21276         EL.00         SAA21276         EL.00           SAA3017         EL.00         SAA3017         EL.00           SAA40121         EL.00         SAA5010         EL.20           SAA80101         EL.20         SAA5010         EL.20           SAA50101         EL.20         SAA50	I'MS37201ANS I'MS3014 I'NS3014 I'NS3012 UILV256611 UIPC56611 UIPC585C UIPC1096C UIPC1096C UIPC1096C UIPC1353C UIPC1353C UIPC1365C N20770BN SN20770BN SN20770BN SN2472N SN2472N SN2472N SN2472N SN2472N SN26013 SN260	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
2SC1061         30p         BC301         30p         BD5678         30p         Task1         52.00         6MHz         SFE         30p         TD5257A         52.00         BF171         30p           2SC1162 C718         30p         BC301         30p         BD5681         30p         Task1         52.00         6-5M1L/         20p         BC307         42.00         BF171         30p           2SC1514         30p         BD567         30p         Task8         62.00         6-5M1L/         20p         BC307         7p         B1567         50p         750p         Task8         62.00         SFD3460B         15p         DL         DL         DL         DL         DL         DL         OL         DL	and set of a suppled         and suppled           system. Data suppled         C         R         E10.00           Phomo Plug         Socket with         2.00           BF7694         10p         2SC2122A           BF7758         30p         2SC2223           BF7760         30p         2SC2223           BF7741         15p         2SC3725           BF7740         30p         2SC2223           BF7740         30p         2SC2223           BF7741         15p         2SC3795           BF1743         10p         2SC7350           BF789         30p         2SD180 TO           BFX92         30p         2SD180 TO           BFX92         20p         2SD1787           BF790         25p         2SD820           BFX44         25p         2SD820           BFX43         15p         2SD820           BC116         25p         2SD870           BRX43         15p         2SD880           BRX43         15p         2SD1820           BRX43         15p         2SD180           BRX43         15p         2SD180           BRX43         15p <t< td=""><td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td><td><math display="block">\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr</math></td><td>SN76546           SN76550           SN76500           SN76500           SN76510           SN766500           SN766700           SN766700           SN766700           SN766700           SN766700           SN766700           SN766700           SN767075N           SN76708AN           SN76709AN           ICA2700           ICA2708     &lt;</td><td>Bop 30p         A <math>1 233</math> A <math>1 233</math>         Transistors           30p         A <math>1 233</math>         25p           50p         A (110)         25p           50p         A (113)         25p           50p         A (113)         25p           50p         A (133)         25p           50p         A (137)         25p           50p         A (137)         25p           50p         A (137)         25p           50p         A (138)         25p           75p         A (138)         25p           75p         A (145)         25p           80p         A (143)         25p           75p         A (145)         25p           80p         A (145)         25p           80p         A (145)         25p           90p         A (145)         25p           1000         A (143)         25p           1000         A (143)         25p           1.000</td></t<>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	SN76546           SN76550           SN76500           SN76500           SN76510           SN766500           SN766700           SN766700           SN766700           SN766700           SN766700           SN766700           SN766700           SN767075N           SN76708AN           SN76709AN           ICA2700           ICA2708     <	Bop 30p         A $1 233$ A $1 233$ Transistors           30p         A $1 233$ 25p           50p         A (110)         25p           50p         A (113)         25p           50p         A (113)         25p           50p         A (133)         25p           50p         A (137)         25p           50p         A (137)         25p           50p         A (137)         25p           50p         A (138)         25p           75p         A (138)         25p           75p         A (145)         25p           80p         A (143)         25p           75p         A (145)         25p           80p         A (145)         25p           80p         A (145)         25p           90p         A (145)         25p           1000         A (143)         25p           1000         A (143)         25p           1.000
28C1740 206 BC328 106 BD519 306 GK Degaining 32 SOLAR SCIENTIFIC 28 Pin × 5 306 28 Pin × 4 € 1.00	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	5p         BD 238         30p         Philips Kin G 1121         State         State           5p         BD 240         50p         B10 154 sin         30p           5p         BD 240         50p         B11 154 sin         30p           5p         BD 244         50p         B11 154 sin         30p           5p         BD 244         50p         B11 154 sin         30p           5p         BD 2544         30p         B11 154 sin         30p           5p         BD 252         20p         B11 154 sin         30p           5p         BD 252         20p         B11 159         61 do           5p         BD 252         20p         B11 159         61 do           5p         BD 253B         50p         B10 do         60p           5p         BD 333         20p         B11 Harstein         60p           5p         BD 416         25p         Mt444         C100           5p         BD 416         25p         Mt444         C100           5p         BD 433         25p         Mt444         C100           30p         BD 578         30p         H330         40p         H3434         C20	TBA673         €1.00           TBA750C         €1.50           TV Crystals         4M11/           4.433-619         6M11/           6M11/         8867238           1L.059.000         30p           Large or small         50p each           Antistatic Isolators         Disc Lype Black         10p           Filters         5-5M11/         SFF         15p           6-M11/         SFE         30p         CSB455A         15p	TDA21930 TDA2140 TDA2140 TDA2140 TDA2140 TDA2555 TDA2555 TDA2555 TDA2556 TDA2552 TDA2552 TDA2552 TDA2554 TDA2554 TDA2556 TDA2556 TDA2557 TDA25576 TDA255776 TDA25576 TDA25576 TDA25576 TDA255776 TDA25576 TDA25576 TDA25576 TDA255776 TDA2557	62:00         BF470         30p           62:00         BF471         30p           EC:00         BF694         10p           LC:160ders         DIL - QIL         6           E1:00         16 Pm × 10         €1:00           E1:00         18 Pm × 10         €1:00

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