

# SEMICONDUCTORS

<i>ordercode</i>	<i>description</i>	<i>package</i>			
<b>1</b>					
1203001494	TR 3S0680RF			2N6056	GO TO: TIP142
13310035333	IC PCA84C841P/259			2N6248	GO TO: MJ2955
13310123814	IC TB1238AN			2N6259	GO TO: MJ15024
13310242131	IC ST24C02AB1			2N6284	TR N-DARL 100V 20A 160W T03
13P47C834A	IC TMP47C834N-RB11			2N6287	TR P-DARL 100V 20A 160W T03
13TDA16846P	IC				
15-80H	THYRISTOR 900V 5.5V TRACE	T0220		<b>2SA</b>	
1N4001	GO TO: 1N4007			2SA495	GO TO: BC556
1N4002	GO TO: 1N4007			2SA562	TR SI-P 30V 0.5A 0.5W T092
1N4004	GO TO: 1N4007			2SA564	GO TO: BC556
1N4007	DIODE SI 1000V 1A/50Ap	D041		2SA608	TR SI-N 40V 0.1A 0.1W T092
1N4148	DIODE SI 75V 0.15A/0.5Ap 4ns	D034		2SA614	TR SI-P 80V 1A 15W T0220
1N4748	GO TO: 1Z22V			2SA628	TR SI-P 30V 0.1A T092
1N4936	GO TO: 1N4937			2SA642	TR SI-P 30V 0.2A 0.25W T092
1N4937	DIODE SI 600V 1A/50Ap 250ns	D041		2SA643	TR SI-P 40V 0.5A 0.5W T092
1N5062	DIODE SI 800V 2A/50Ap 6us	D014		2SA659	GO TO: BC556
1N5404	DIODE SI 400V 3A	D0201		2SA670	GO TO: BD242C
1N5408	DIODE SI 1000V 3A/200Ap	D027		2SA673	TR SI-P 35V 0.5A 0.4W T092
1S1555	GO TO: 1N4148			2SA683	GO TO: 2SA684
1S2095A	GO TO: 1N4148			2SA684	TR SI-P 60V 1A 1W T092M
1SS119	GO TO: 1N4148			2SA709	GO TO: BC556
1SS132	GO TO: 1N4148			2SA715	GO TO: BD140
1SS133	GO TO: MA185			2SA719	TR SI-P 30V 0.5A 0.625W T092
				2SA733	TR SI-P 60V 0.15A 0.25W T092
				2SA768	GO TO 2SA769
				2SA769	TR SI-P 80V 4A 30W T0220
				2SA771	TR SI-P 80V 6A 40W T0220
				2SA794	GO TO: BD140
				2SA798	TR 2xSI-P 50V 0.1A 0.4W SIP05
				2SA817	TR SI-P 80V 0.3A 0.6W T092
				2SA844	GO TO: BC556
				2SA845K	GO TO: BF421
				2SA854	GO TO: BC327
				2SA872	TR SI-P 90V 0.05A 0.2W T092
				2SA883	GO TO: BC556
				2SA886	GO TO: BD138
				2SA893	GO TO: 2SA970
				2SA911	TR SI-P 850/550V 0.1A 0.47W T018
				2SA933	TR SI-P 50V 0.1A 0.3W SPT
				2SA934	TR SI-P 40V 0.7A 0.75W T092M
				2SA937	TR SI-P 50V 0.1A 0.3W S-PAK
				2SA940	TR SI-P 150V 1.5A 25W T0220
				2SA949	TR SI-P 150V 50mA 0.8W T092M
				2SA950	GO TO: BC327
				2SA957	GO TO: 2SA1668
				2SA958	GO TO: 2SA1668
				2SA965	TR SI-P 120V 0.8A 0.9W T092M
				2SA966	TR SI-P 30V 1.5A 0.9W T092M
				2SA968	TR SI-P 160V 1.5A 25W T0220
				2SA970	TR SI-P 120V 0.1A T092
				2SA984	TR SI-P 60V 0.5A 0.5W T092
				2SA985	TR SI-P 120V 1.5A 25W T0220
				2SA988	TR SI-P 120V 0.05A 0.5W T092
				2SA992	TR SI-P 100V 0.05A 0.2W T092
				2SA995	TR SI-P 100V 0.05A 0.4W SIP05
				2SA999	GO TO: BC556
				2SA1011	TR SI-P 160V 1.5A 25W T0220



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2SA1012	GO TO: 2SB826		2SA1358	TR SI-P 120V 1A 10W	IS0126
2SA1013	TR SI-P 160V 1A 0.9W	T092M	2SA1359	TR SI-P 40V 3A 10W	IS0126
2SA1015	TR SI-P 50V 0.15A 0.4W	T092	2SA1360	TR SI-P 150V 50mA 5W	IS0126
2SA1016	TR SI-P 100V 0.05A 0.4W	T092	2SA1370	TR SI-P 200V 0.1A 1W	T092M
2SA1018	TR SI-P 250V 70mA 0.75W	T092	2SA1376	TR SI-P 200V 0.1A 0.75W	T092
2SA1020	TR SI-P 50V 2A 0.9W	T092M	2SA1386	TR SI-P 160V 15A 130W	SOT93
2SA1021	TR SI-P 150V 1.5A 20W	T0126	2SA1490	GO TO: 2SA1491	
2SA1038	GO TO: 2SA970		2SA1491	TR SI-P 140V 10A 100W	SOT93
2SA1048	TR SI-P 50V 0.15A 0.2W	SPT	2SA1492	GO TO: 2SA1386	
2SA1075	GO TO: 2SA1215		2SA1493	GO TO: 2SA1494	
2SA1084	GO TO: 2SA970		2SA1494	TR SI-P 200V 17A 200W	JAP03
2SA1085	GO TO: 2SA970		2SA1535	TR SI-P 180V 1A 40W	IS0220
2SA1091	GO TO: BF421		2SA1667	TR SI-P 150V 2A 25W	IS0220
2SA1094	GO TO: 2SA1302		2SA1668	TRANSISTOR	
2SA1095	GO TO: 2SA1302		2SA1671	TR SI-P 120/120V 8A 75W	IS0218
2SA1102	TR SI-P 80V 6A 60W	SOT93	2SA1680	GO TO: 2SB892	
2SA1105	GO TO: 2SA1491		2SA1837	TR SI-P 230V 1A 20W	IS0220
2SA1106	GO TO: 2SA1491		2SA1939	TR SI-P 80V 6A 60W	SOT93
2SA1112	TR SI-P 180V 1A 20W	T0220	2SA1941	TR SI-P 140V 10A 100W	SOT93
2SA1115	TR SI-P 50V 0.2A	SPT			
2SA1122	GO TO: BC857		<b>2SB</b>		
2SA1123	TR SI-P 150V 50mA 0.75W	T092	2SB435	GO TO: BD242C	
2SA1124	TR SI-P 150V 50mA 1W	T092M	2SB507	GO TO: BD242C	
2SA1142	TR SI-P 180V 0.1A 8W	T0126	2SB514	GO TO: BD242C	
2SA1145	TR SI-P 150V 50mA 0.8W	T092M	2SB525	TR SI-P 30V 1A 0.8W	T03
2SA1146	GO TO: 2SB817		2SB536	TR SI-P 130V 1.5A 20W	T0220
2SA1170	GO TO: 2SA1494		2SB537	TR SI-P 130V 1.5A 20W	T0220
2SA1174	GO TO: 2SA1016		2SB544	TR SI-P 25V 1A 0.9W	T092M
2SA1175	GO TO: 2SA1048		2SB546A	GO TO: 2SB547A	
2SA1179	GO TO: BC857		2SB547A	TR SI-P 200V 2A 25W	T0220
2SA1186	TR SI-P 150V 10A 100W	SOT93	2SB548	GO TO: BD140	
2SA1190	GO TO: 2SA970		2SB560	TR SI-P 100V 0.7A 0.9W	T092M
2SA1195	TR SI-P 160V 1.5A 15W		2SB561	TR SI-P 25V 0.7A 0.5W	T092
2SA1215	TR SI-P 160V 15A 150W	JAP03	2SB595	GO TO: BD244	
2SA1216	GO TO: 2SA1295		2SB596	TR SI-P 80V 4A 30W	T0220
2SA1221	TR SI-P 160V 0.5A 1W	IS082	2SB617	GO TO: 2SB688	
2SA1246	GO TO: BC556		2SB631	TR SI-P 100V 1A 8W	T0126
2SA1249	TR SI-P 180V 1.5A 10W	T0126	2SB633	TR SI-P 100V 6A 40W	T0220
2SA1264	GO TO: 2SA1265		2SB641	GO TO: BC556	
2SA1265	TR SI-P 140V 10A 100W	SOT93	2SB642	GO TO: BC556	
2SA1266	TR SI-P 50V 0.15A 0.4W	T092	2SB643	GO TO: 2SB644	
2SA1267	GO TO: 2SA1266		2SB644	TR SI-P 60V 0.5A 0.6W	S-PAK
2SA1271	GO TO: BC327		2SB646	GO TO: 2SB647	
2SA1284	TR SI-P 100V 0.5A 0.9W	T092M	2SB647	TR SI-P 120V 1A 0.9W	T092M
2SA1286	TR SI-P 30V 1.5A 0.9W	T092M	2SB649	TR SI-P 160V 1.5A 1W (2SB649A)	T0126
2SA1287	GO TO: 2SA1315		2SB686	GO TO: TIP34C	
2SA1294	TR SI-P 230V 15A 130W	SOT93	2SB688	TR SI-P 120V 8A 80W	SOT93
2SA1295	TR SI-P 230V 17A 130W	JAP03	2SB698	GO TO: BC327	
2SA1301	GO TO: 2SA1302		2SB715	GO TO: 2SB716	
2SA1302	TR SI-P 200V 15A 150W	JAP02	2SB716	TR SI-P 120V 0.05A 0.75W	T092M
2SA1303	TR SI-P 150V 14A 125W	SOT93	2SB718	TR SI-P 200V 0.05A	T0220
2SA1306	TR SI-P 160V 1.5A 20W	IS0220	2SB733	TR SI-P 20V 2A 1W	IS082
2SA1309	GO TO: BC558		2SB739	GO TO: 2SB892	
2SA1315	TR SI-P 80V 2A 0.9W	T092M	2SB744	TR SI-P 70V 3A 10W	T0126
2SA1317	TR SI-P 60V 0.2A 0.3W	SPT	2SB751	GO TO: 2SB950A	
2SA1348	TR SI-P 50V 0.1A	SPT	2SB753	TR SI-P 100V 7A 40W	T0220
2SA1352	TR SI-P 200V 0.1A 5W	T0126	2SB755	GO TO: 2SA1302	



WE CAN SOURCE MANY MORE SEMICONDUCTORS FOR YOU  
THAT ARE NOT LISTED HERE.

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ordercode	description	package			
<b>2SB</b>					
2SB761	GO TO: 2SB941		2SC1025	TR SI-N 200V 3A 25W	T066
2SB772	TR SI-P 40V 3A 10W	T0126	2SC1050	GO TO: 2SC1106	
2SB774	TR SI-P 30V 0.1A 0.4W	T092	2SC1051	TR SI-N 150V 7A 60W	T03
2SB775A	TR SI-P 100V 6A 60W	SOT93	2SC1060	GO TO: BD241C	
2SB788	GO TO: 2SA970		2SC1061	TR SI-N 50V 3A 25W	T0220
2SB793	GO TO: BC327		2SC1106	TR SI-N 350V 2A 80W	T03
2SB817	TR SI-P 160V 12A 100W	SOT93	2SC1107	GO TO: BD243C	
2SB819	TR SI-P 50V 1.5A 1W	S-PAK	2SC1114	TR SI-N 300V 4A 100W	T03
2SB826	TR SI-P 60V 12A 40W	T0220	2SC1172B	TR SI-N 1500V 7A 50W	T03
2SB863	TR SI-P 140V 10A 100W	SOT93	2SC1173	GO TO: BD243C	
2SB891	TR SI-P 40V 2A 5W	IS0126	2SC1175	TR SI-N 50V 0.5A 0.3W	T092
2SB892	TR SI-P 60V 2A 1W	T092M	2SC1213	TR SI-N 50V 0.5A 0.4W	T092
2SB940A	TR SI-P 200V 2A 35W	IS0220	2SC1222	GO TO: BC550	
2SB941	TR SI-P 60V 3A 35W POWER	IS0220	2SC1226A	TR SI-N 40/50V 2A 10W	T0202
2SB950A	TR P-DARL+DI 80V 4A 40W	IS0220	2SC1307	GO TO: 2SC1969	
2SB985	TR SI-P 60V 3A 1W	T092M	2SC1308	TR SI-N 1500V 7A 50W	T03
2SB1010	TR SI-P 40V 2A 0.75W	T092M	2SC1317	GO TO: 2SC1318	
2SB1020	TR P-DARL+D 100V 7A 300W	IS0220	2SC1318	TR SI-N 60V 0.5A 0.6W	T092
2SB1035	GO TO: 2SA966		2SC1325	GO TO: BU208A	
2SB1050	TR SI-P 30V 5A 1W	S-PAK	2SC1348	GO TO: 2SC1413A	
2SB1066	GO TO: 2SB1243		2SC1364	GO TO: BC546	
2SB1096	GO TO: 2SA1376		2SC1368	GO TO: BD139	
2SB1106	GO TO: BD652		2SC1383	GO TO: 2SC1384	
2SB1117	GO TO: 2SB985		2SC1384	TR SI-N 60V 1A 1W	T092M
2SB1185	TR SI-P 50V 3A 25W	IS0220	2SC1398	TR SI-N 70V 2A 15W	T0220
2SB1186A	TR SI-P 120V 1.5A 20W	IS0220	2SC1410	GO TO: 2SD401A	
2SB1240	TR SI-P 40V 2A 1W		2SC1413A	TR SI-N 1200V 5A 50W	T03
2SB1243	TR SI-P 60V 3A 1W	S-PAK	2SC1417	TR SI-N 20V 0.03A	T092
2SB1254	TR P-DARL 160V 7A 70W	IS0218	2SC1444	GO TO: BD243C	
2SB1274	TR SI-P 60V 3A 30W	IS0220	2SC1473	GO TO: BF422	
2SB1283	GO TO: 2SB1020		2SC1475	TR SI-N 100V 1A 0.75W	T092
2SB1370	TR SI-P 60V 3A 30W	IS0220	2SC1506	GO TO: 2SC1507	
2SB1375	TR SI-P 60V 3A 25W	IS0220	2SC1507	TR SI-N 300V 0.2A 15W	T0220
2SB1560	TR P-DARL 160V 10A 100W	SOT93	2SC1509	TR SI-N 80V 0.5A 1W 120MHz	T092M
			2SC1514	TR SI-N 300V 0.1A 80MHz	T0220
			2SC1550	GO TO: BF459	
			2SC1567	GO TO: BD139	
			2SC1568	GO TO: BD139	
			2SC1573	TR SI-N 200V 0.1A 1W	T092M
			2SC1586	GO TO: MJ15024	
			2SC1624	TR SI-N 120V 1A 15W	T0220
			2SC1626	TR SI-N 80V 0.75A 15W	T0220
			2SC1627	TR SI-N 80V 0.4A 0.8W	T092
			2SC1674	TR SI-N 30V 0.02A	T092
			2SC1675	TR SI-N 50V 0.03A 0.25W	T092
			2SC1683	TR SI-N 200V 0.5A 30W	T0220
			2SC1684	GO TO: 2SC1685	
			2SC1685	TR SI-N 60V 0.1A	T092
			2SC1730	TR SI-N 30V 0.05A	T092
			2SC1735	GO TO: 2SC1627	
			2SC1740	TR SI-N 40V 100mA 0.3W	T092
			2SC1741	TR SI-N 40V 0.5A 0.4W	SPT
			2SC1775	TR SI-N 120V 0.05A 0.2W	T092
			2SC1815	TR SI-N 50V 0.15A 0.4W	T092
			2SC1826	TR SI-N 80V 4A 30W	T0220
			2SC1827	TR SI-N 100V 4A 30W	T0220
			2SC1841	TR SI-N 120V 0.05A 0.5W	T092
<b>2SC</b>					
2SC372	GO TO: 2SC1815				
2SC458	TR SI-N 30V 0.1A 230M	T092			
2SC495	GO TO: BD137				
2SC496	GO TO: BD137				
2SC515A	TR SI-N 300V 0.1A 6W				
2SC536	TR SI-N 40V 0.1A	T092			
2SC620	TR SI-N 50V 0.2A	T092			
2SC681A	TRANSISTOR	T03			
<b>Tip:</b> <i>2SC681A - Modification required for 73P &amp; 75P chassis types.</i>					
2SC732	TR SI-N 50V 0.15A 0.4W	T092			
2SC734	GO TO: 2SC1815				
2SC783Y	TR SI-N 200V 1.5A 20W	T066			
2SC789	GO TO: 2SD880				
2SC815	TR SI-N 60V 0.2A 0.25W	T092			
2SC828	TR SI-N 30V 0.05A 0.25W	T092			
2SC945	TR SI-N 50V 0.1A	T092			
2SC1000	GO TO: 2SC2240				
2SC1014	TR SI-N 50V 1.5A 7W	T0202			



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2SC1845	TR SI-N 120V 0.05A 0.5W	T092	2SC2509	GO TO: 2SC1969	
2SC1875	GO TO: BU208A		2SC2525	GO TO: 2SC3264	
2SC1904	TR 150/150V 0.05A	IS0276	2SC2542	GO TO: BUT56A	
2SC1940	GO TO: 2SC1941		2SC2545	GO TO: BC550	
2SC1941	TR SI-N 160V 50mA 0.8W	IS082	2SC2562	TR SI-N 60V 5A 25W	T0220
2SC1942	GO TO: BU208A		2SC2570	TR SI-N 25V 70mA	T092
2SC1959	TR SI-N 30V 0.5A 0.5W	T092	2SC2577	GO TO: 2SC3855	
2SC1969	TR SI-N 60V 6A 20W	T0220	2SC2579	GO TO: 2SC3855	
2SC1973	GO TO: 2SC1384		2SC2580	GO TO: 2SC3855	
2SC1983	GO TO: BD241C		2SC2581	GO TO: 2SC3855	
2SC1985	TR SI-N 80V 6A 40W	T0220	2SC2603	TR SI-N 50V 0.2A	SPT
2SC1986	GO TO: TIP41C		2SC2611	GO TO: BF459	
2SC2001	GO TO: BC337		2SC2625	TR SI-N 450V 10A 80W	SOT93
2SC2002	GO TO: BC639		2SC2631	GO TO: 2SC2632	
2SC2027	GO TO: 2SD820		2SC2632	TR SI-N 150V 50mA 1W	T092M
2SC2060	TR SI-N 40V 0.7A 0.75W	T092M	2SC2653	TR SI-N 350V 0.2A 15W	T0202
2SC2068	TR SI-N 300V 0.05A	T0202	2SC2654	GO TO: 2SD613	
2SC2071	GO TO: 2SC2371		2SC2655	TR SI-N 50V 2A 0.9W	T092M
2SC2073	TR SI-N 150V 1.5A 25W	T0220	2SC2665	GO TO: 2SC3855	
2SC2078	TR SI-N 80V 3A 10W	T0220	2SC2671	TR SI-N 15V 80mA 0.6W	T092
2SC2120	TR SI-N 30V 0.8A 0.6W	T092	2SC2673	GO TO: BC337	
2SC2166	TR SI-N 75V 4A 12.5W	T0220	2SC2682	TRANSISTOR	T0126
2SC2167	GO TO: 2SC2168		2SC2688	GO TO: BF459	
2SC2168	TR SI-N 200V 2A 30W	T0220	2SC2690	TR SI-N 120V 1.2A 20W	T0126
2SC2209	GO TO: BD137		2SC2703	GO TO: 2SD1207	
2SC2229	TR SI-N 200V 50mA 0.8W	T092M	2SC2704	GO TO: BF459	
2SC2230	TR SI-N 200V 0.1A 0.8W	T092M	2SC2705	TR SI-N 150V 50mA 0.8W	T092M
2SC2235	TR SI-N 120V 0.8A 0.9W	T092M	2SC2720	GO TO: 2N2222A	
2SC2236	TR SI-N 30V 1.5A 0.9W	T092M	2SC2749	TR SI-N 500V 10A 100W	SOT93
2SC2238	TR SI-N 160V 1.5A 25W	T0220	2SC2774	GO TO: 2SC3858	
2SC2240	TR SI-N 120V 50mA 0.3W	T092	2SC2790	GO TO: BU326A	
2SC2271	TR SI-N 300V 0.1A 0.9W	T092M	2SC2792	TR SI-N 850V 2A 80W	SOT93
2SC2274	GO TO: BC639		2SC2808	GO TO: BF422	
2SC2275	TR SI-N 120V 1.5A 25W	T0220	2SC2812	GO TO: BC847	
2SC2307	TR SI-N 500V 12A 100W	SOT93	2SC2834	GO TO: BUW12A	
2SC2308	GO TO: BC547		2SC2837	TR SI-N 150V 10A 100W	SOT93
2SC2310	GO TO: BC547		2SC2855	GO TO: 2SC2240	
2SC2311	GO TO: BD137		2SC2878	TR SI-N 20V 0.3A 0.4W	T092
2SC2316	GO TO: 2SC2491		2SC2900	TR SI-N 350V 4A 90W	SOT93
2SC2320	TR SI-N 50V 0.2A 0.3W	T092	2SC2909	GO TO: 2SC2910	
2SC2330	GO TO: 2SC2482		2SC2910	TR SI-N 160V 70mA 0.9W	T092M
2SC2331	TR SI-N 150V 2A 15W	T0220	2SC2921	GO TO: 2SC2922	
2SC2335	TR SI-N 500V 7A 40W	T0220	2SC2922	TR SI-N 180V 17A 200W 50MHz	JAP03
2SC2336	TR SI-N 250V 1.5A 25W	T0220	2SC2928	GO TO: BU208A	
2SC2344	TR SI-N 180V 1.5A 25W	T0220	2SC2939	GO TO: 2SC4058	
2SC2365	TR SI-N 600V 6A 50W	T03	2SC2958	TR SI-N 160V 0.5A 1W	IS082
2SC2371	GO TO: BF459		2SC2964	GO TO: BUX48	
2SC2373	GO TO: MJE13007		2SC2965	GO TO: BUX48	
2SC2412	TR SI-N 50V 0.1A	SOT23	2SC2979	GO TO: 2SC3150	
2SC2458	TR SI-N 50V 0.15A 0.2W	SPT	2SC2987A	TR SI-N 140V 12A 120W	SOT93
2SC2462	GO TO: BC847		2SC2999	TR SI-N 20V 30mA	SPT
2SC2481	TR SI-N 150V 1.5A 20W	T0126	2SC3025	GO TO: BU208A	
2SC2482	TR SI-N 300V 0.1A 0.9W	T092M	2SC3039	TR SI-N 500V 7A 52W	T0220
2SC2485	GO TO: 2SD718		2SC3040	GO TO: BU508A	
2SC2491	TR SI-N 100V 6A 40W	T0220	2SC3060	GO TO: BU208A	
2SC2500	GO TO: 2SD1207		2SC3150	TR SI-N 900V 3A 50W	T0220
2SC2502	GO TO: BUT56A		2SC3153	GO TO: BUW11	



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<b>2SC</b>					
2SC3169	TR SI-N 500V 2A 25W	IS0220	2SC3576	GO TO: 2SC4204	
2SC3175	GO TO: BU406		2SC3605	TR SI-N 20V 0.08A	T092M
2SC3178	TR SI-N 1200V 2A 60W	T0220	2SC3616	TR SI-N 25V 0.7A	T092
2SC3180	TR SI-N 80V 6A 60W	SOT93	2SC3619	GO TO: 2SC4544	
2SC3181	TR SI-N 120V 8A 80W	SOT93	2SC3668	GO TO: 2SD1207	
2SC3182	TR SI-N 140V 10A 100W	SOT93	2SC3679	TR SI-N 900/800V 5A 100W	SOT93
2SC3198	TR SI-N 60V 0.15A 0.4W	T092	2SC3688	TR SI-N 1500V 10A 150W	SOT93
2SC3199	TR SI-N 60V 0.15A 0.2W	SPT	2SC3743	GO TO: BUT11AF	
2SC3202	TR SI-N 35V 0.5A 0.5W	T092	2SC3752	TR SI-N 1100/800V 3A 30W	IS0220
2SC3203	TRANSISTOR	T092	2SC3795	TR SI-N 900V 5A 40W	IS0220
2SC3205	GO TO: 2SD1207		2SC3795B	TRANSISTOR PHILIPS	IS0220
2SC3206	GO TO: BF422		2SC3807	TR SI-N 30V 2A 15W	IS0126
2SC3225	TR SI-N 40V 2A 0.9W	T092M	2SC3832	GO TO: 2SC3039	
2SC3227	GO TO: 2SD667		2SC3833	GO TO: BUV48A	
2SC3228	TR SI-N 160V 1A 0.9W	T092M	2SC3852	TR SI-N 80V 3A 25W	IS0220
2SC3229	TR SI-N 300V 0.05A	T0202	2SC3854	GO TO: 2SC3855	
2SC3242	GO TO: 2SD1207		2SC3855	TR SI-N 200V 10A 100W	SOT93
2SC3245	GO TO: 2SC2632		2SC3856	TRANSISTOR	
2SC3263	TR SI-N 230V 15A 130W	SOT93	2SC3858	TR SI-N 200V 17A 200W	JAP03
2SC3264	TRANSISTOR	JAP03	2SC3866	TR SI-N 900V 3A 40W	IS0220
2SC3279	TR SI-N 10V 2A 0.75W	T092	2SC3883	TR SI-N+DI 1500V 6A 50W	SOT93
2SC3280	GO TO: 2SC3281		2SC3884A	GO TO: BU508AF	
2SC3281	TR SI-N 200V 15A 150W	JAP02	2SC3885A	GO TO: BU508AF	
2SC3284	TR SI-N 150V 14A 125W	SOT93	2SC3886	TR 'A' SI-N 1500V 8A 50W	ISOJ04
2SC3298	GO TO: 2SC4159		2SC3892A	TR SI-N+D 1500V 7A 50W	ISOJ04
2SC3299	TR SI-N 60V 5A 20W	IS0220	2SC3893A	TR SI-N+DI 1500V 8A 50W	ISOJ04
2SC3306	TR SI-N 500V 10A 100W	SOT93	2SC3894	GO TO: BU508AF	
2SC3311	GO TO: 2SC1685		2SC3895	TR SI-N 1500/800V 8A 70W	IS0218
2SC3318	GO TO: BUW12A		2SC3896	GO TO: BU508AF	
2SC3329	GO TO: 2SC2240		2SC3897	TR SI-N 1500V 10A 70W	IS0218
2SC3330	GO TO: BC546		2SC3907	GO TO: 2SC5242	
2SC3331	GO TO: BC546		2SC3909	GO TO: BUW11	
2SC3337	GO TO: 2SC2570		2SC3944	TR SI-N 150V 1A 40W	IS0220
2SC3371	GO TO: BUX48		2SC3953	TR SI-N 120V 0.2A 8W	IS0126
2SC3383	GO TO: BC546		2SC3954	TR SI-N 120V 0.3A 8W	IS0126
2SC3412	TR SI-N 1200V 8A 50W	T03	2SC3955	TR SI-N 200V 0.1A 7W	IS0126
2SC3417	TR SI-N 300V 0.1A 5W	T0126	2SC3973A	TR SI-N 900V 7A 45W	IS0220
2SC3419	TR SI-N 40V 0.8A 5W	IS0126	2SC3973B	TR - PHILIPS ORIGINAL TV USE	IS0220
2SC3420	TR SI-N 50V 5A 10W	IS0126	2SC3997	GO TO: 2SC3998	
2SC3421	TRANSISTOR	IS0126	2SC3998	TR SI-N 1500V 25A 250W	JAP02
2SC3423	TR SI-N 150V 50mA 5W	IS0126	2SC4004	GO TO: 2SC4231	
2SC3446	GO TO: BUT11A		2SC4020	GO TO: BUT11A	
2SC3450	GO TO: BUW12A		2SC4058	TR SI-N 600/450V 10A 100W	SOT93
2SC3451	GO TO: BUW48C		2SC4106	TR SI-N 500/400V 7A 50W	T0220
2SC3460	TR SI-N 1100V 6A 100W	SOT93	2SC4122	GO TO: 2SC4123	
2SC3461	TR SI-N 1100/800V 8A 120W	SOT93	2SC4123	TR SI-N+DI 1500V 7A 60W	IS0218
2SC3502	TR SI-N 200V 0.1A 1.2W	T0126	2SC4137	TR SI-N 25V 0.1A	IS0126
2SC3506	TR SI-N 1000V 3A 70W	IS0218	2SC4157	GO TO: BUW12A	
2SC3507	TR SI-N 1000V 5A 80W	IS0218	2SC4159	TR SI-N 180V 1.5A 15W	IS0220
2SC3549	GO TO: BUT11A		2SC4169	GO TO: 2SD1929	
2SC3552	TR SI-N 1100V 12A 150W	SOT93	2SC4204	TR SI-N 30V 0.7A 0.6W	T092
2SC3553	GO TO: BC337		2SC4231	TR SI-N 1200/800V 2A 30W	IS0220
2SC3559	GO TO: 2SC3752		2SC4234	GO TO: 2SC5027	
2SC3570	GO TO: BUT11AF		2SC4235	TR SI-N 1200/800V 3A 80W	SOT93
			2SC4236	TR SI-N 1200/800V 6A 100W	SOT93
			2SC4237	TR SI-N 1200/800V 10A 150W	SOT93
			2SC4242	TR SI-N 450/400V 7A 40W	T0220



# SEMI CONDUCTORS

2SC4288A	TR SI-N 1400/600V 12A 200W	JAP02		
2SC4290A	GO TO: 2SC3998			
2SC4293	GO TO: 2SC4123			
2SC4300	TR SI-N 900V 5A 75W	IS0218		
2SC4312	GO TO: BUW11			
2SC4313	GO TO: BUW12A			
2SC4381	TR SI-N 150V 2A 25W	IS0220		
2SC4386	TR SI-N 160/120V 8A 75W	IS0218		
2SC4419	GO TO: BUW11			
2SC4429	TRANSISTOR	IS0218		
2SC4517	GO TO: 2SC4517A			
2SC4517A	TR SI-N 1000V 3A 30W	IS0220		
2SC4542	TR SI-N 1500V 10A 50W	ISOJ04		
2SC4544	TR SI-N 300V 0.1A 8W	IS0218		
2SC4582	TRANSISTOR	IS0218		
2SC4622	GO TO: BUT56A			
2SC4706	GO TO: BUW48A			
2SC4742	TR SI-N+DI 1500V 6A 50W	SOT93		
2SC4743	GO TO: BU508A			
2SC4747	TR SI-N 1500V 10A 50W	IS0218		
2SC4762	TR SI-N+DI 1500/600V 50W	IS0218		
2SC4769	TR SI-N+DI 1500V 7A 60W	IS0218		
2SC4770	TR SI-N 1500/800V 7A 60W	IS0218		
2SC4793	TRANSISTOR	IS0220		
2SC4833	GO TO: 2SC4834			
2SC4834	TR SI-N 500/400V 8A 45W	IS0220		
2SC4908	TR SI-N 900V 3A 35W	IS0220		
2SC4923	GO TO: BU2508AF			
2SC4924	GO TO: BU2520AF			
2SC4927	TR SI-N+DI 1500V 8A 50W	IS0218		
2SC5003	GO TO: 2SC3893A			
2SC5027	TR SI-N 1100V 3A 50W	IS082		
2SC5047	TRANSISTOR	JAP02		
2SC5048	TR SI-N 1500V 12A 50W	IS0218		
2SC5088	GO TO: BU2508AF			
2SC5129	TRANSISTOR	ISOJ04		
2SC5148	TRANSISTOR	ISOJ04		
2SC5149	TR SI-N+DI 1500V 8A 50W	ISOJ04		
2SC5150	TR SI-N 1700V 10A 50W	ISOJ04		
2SC5171	TR SI-N 180V 2A 20W	IS0220		
2SC5196	GO TO: 2SC5198			
2SC5198	TR SI-N 140V 10A 100W	SOT93		
2SC5207	TR SI-N 1500V 10A 50W	IS0218		
2SC5242	TR SI-N 230V 15A 130W	SOT93		
2SC5251	GO TO: BU2525AF			
2SC5287	GO TO: BU508AF			
2SC5297	GO TO: BU2508AF			
2SC5299	TR SI-N 1500V 10A 70W	IS0218		
2SC5386	TR SI-N+D 1500V 7A 50W	IS0218		
<b>2SD</b>				
2SD288	TR SI-N 80V 3A 20W	T0220		
2SD313	TR SI-N 60V 3A 30W	T0220		
2SD330	GO TO: BD241C			
2SD348	GO TO: 2SD1403			
2SD350A	TR SI-N 1500V 5A 22W	T03		
2SD353	GO TO: 2SC681A			
2SD362	GO TO: 2SD613			
2SD365	GO TO: 2SD1266			
2SD380	TR SI-N 1500/700V 5A 50W	T03		
2SD381	TR SI-N 130V 1.5A 20W	T0220		
2SD388A	GO TO: 2SD427			
2SD400	TR SI-N 25V 1A 0.9W	T092M		
2SD401A	TR SI-N 200V 2A 20W	T0220		
2SD402A	GO TO: 2SC2073			
2SD415	TR SI-N 120/100V 0.8A 10W	T0126		
2SD416	GO TO: 2SD380			
2SD424	TR SI-N 160V 15A 150W	T03		
2SD427	TR SI-N 120V 8A 80W	T03		
2SD438	TR SI-N 100V 0.7A 0.9W	T092		
2SD439	GO TO: BD139			
2SD468	TR SI-N 25V 1A 0.9W	T092M		
2SD478	GO TO: 2SC2168			
2SD525	GO TO: TIP41C			
2SD526	TR SI-N 80V 4A 30W	T0220		
2SD600	TR SI-N 100V 1A 8W	T0126		
2SD612	TR SI-N 25V 2A 10W	T0126		
2SD613	TR SI-N 100V 6A 40W	T0220		
2SD621L	GO TO: S3786L			
2SD633	GO TO: BD651			
2SD636	TR SI-N 30V 0.1A 0.4W	S-PAK		
2SD637	TR SI-N 60V 0.1A 0.4W	S-PAK		
2SD638	GO TO: BC327			
2SD655	TR SI-N 30V 0.7A 0.5W	T092		
2SD662	GO TO: BF422			
2SD666	TR SI-N 120V 0.05A	T092M		
2SD667	TR SI-N 120V 1A	T092M		
2SD669	TR SI-N 160V 1.5A 1W	T0126		
2SD686	GO TO: TIP122			
2SD688	TR N-DARL 100V 1.5A 8W	T039		
2SD716	TR SI-N 100V 6A 60W	SOT93		
2SD718	TR SI-N 120V 8A 80W	SOT93		
2SD725	TR SI-N 1500V 6A 50W			
2SD734	TR SI-N 25V 0.7A 0.6W	T092		
2SD768	GO TO: BD651			
2SD774	GO TO: BC639			
2SD794	TR SI-N 70V 3A 10W	T0126		
2SD799	TR N-DARL+D 400V 6A 30W	T0220		
2SD807	GO TO: 2SD380			
2SD811	TR SI-N 900/400V 6A 50W	T03		
2SD820	TR SI-N 1500V 5A 50W	T03		
2SD821	GO TO: BU208A			
2SD837	TR N-DARL 60V 4A 40W	T0220		
2SD838K	TR SI-N 2500/900V 3A 50W	T03		
2SD841	GO TO: BUT11A			
2SD845	GO TO: 2SC2922			
2SD863	TR SI-N 50V 1A 0.9W	T092M		
2SD868	TR SI-N+DI 1500/600V 2.5A 50W	T03		
2SD869	GO TO: 2SD871			
2SD870	GO TO: 2SD871			
2SD871	TR SI-N+DI 1500/600V 6A 50W	T03		
2SD880	TR SI-N 60V 3A 30W	T0220		
2SD882	TR SI-N 30V 3A 10W	T0126		
2SD898	TR SI-N 1500V 3.5A 50W	T03		



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# SEMI CONDUCTORS

ordercode	description	package			
<b>2SD</b>					
2SD904	GO TO: BU508D				
2SD905	GO TO: BU508A				
2SD951	TR SI-N 1500V 3A 65W	T03			
2SD965	GO TO: 2SD1145				
2SD973	GO TO: BC639				
2SD975	TR SI-N 150V 2A	IS0276			
2SD986	TR N-DARL 150/80V 1.5A 10W	T0126			
2SD995	GO TO: S3786L				
2SD1047	TR SI-N 160V 12A 100W	SOT93			
2SD1051	TR SI-N 50V 1.5A 1W	S-PAK			
2SD1063	GO TO: 2SD1065				
2SD1065	TR SI-N 60V 15A 90W	SOT93			
2SD1071	GO TO: 2SD799				
2SD1133	GO TO: BD243C				
2SD1135	GO TO: BD243C				
2SD1136	GO TO: 2SD1138				
2SD1138	TR SI-N 200V 2A 30W	T0220			
2SD1140	TR N-DARL 30V 1.5A 0.9W	T092M			
2SD1145	TR SI-N 60V 5A 0.9W	T092M			
2SD1163A	GO TO: BU406				
2SD1164	GO TO: 2SD986				
2SD1173	TR N-DARL+DI 1500V 5A 70W	T03			
2SD1185	TR SI-N 1200/800V 5A 50W				
2SD1186	GO TO: 2SD1185				
2SD1207	TR SI-N 60V 2A 1W	T092M			
2SD1211	GO TO: 2SC2235				
2SD1246	GO TO: 2SC3225				
2SD1266	TR SI-N 60V 3A 35W	IS0220			
2SD1273	TR SI-N 80V 3A 40W	IS0220			
2SD1275	GO TO: 2SD1276				
2SD1276	TR N-DARL+DI 60V 4A 40W	IS0220			
2SD1279	GO TO: 2SC3412				
2SD1292	TR SI-N 120V 1A 0.9W	T092M			
2SD1294	GO TO: TIP142				
2SD1302	TR SI-N 25V 0.5A 0.6W	T092			
2SD1330	TR SI-N 25V 0.5A 0.6W	S-PAK			
2SD1347	GO TO: 2SD1145				
2SD1365	GO TO: BUT11A				
2SD1376K	GO TO: 2SD986				
2SD1384	GO TO: 2SD1207				
2SD1395	GO TO: BD645				
2SD1396	GO TO: 2SD1397				
2SD1397	TR SI-N+DI 1500V 3.5A 50W	SOT93			
2SD1398	TR SI-N+DI 1500V 5A 50W	SOT93			
2SD1402	TR SI-N 1500V 5A 120W	SOT93			
2SD1403	TR SI-N 1500V 6A 120W	SOT93			
2SD1406	TR SI-N 60V 3A 25W	IS0220			
2SD1414	GO TO: 2SD1589				
2SD1415	TR N-DARL+DI 100V 7A 30W	IS0220			
2SD1425	TR SI-N+DI 1500/600V 2.5A 80W	JAP04			
2SD1426	TR SI-N+DI 1500/600V 3.5A 80W	JAP04			
2SD1427	GO TO: 2SD1428				
2SD1428	TR SI-N+DI 1500/600V 6A 80W	JAP04			
2SD1431	GO TO: BU2508AX				
2SD1432	GO TO: BU2508AX				
2SD1433	GO TO: BU2508AX				
2SD1439	GO TO: 2SD1441				
2SD1441	TR SI-N+DI 1500V 4A 80W	SOT93			
<b>Tip:</b> <i>For use in Panasonic TV's use 2SD1441RL</i>					
2SD1441RL	TR ORIGINAL REPLACEMENT	SOT93			
2SD1444	GO TO: BD243C				
2SD1447	GO TO: 2SD1207				
2SD1453	TR SI-N 1500V 3A 50W	SOT93			
2SD1455	GO TO: BU508A				
2SD1458	TR SI-N 20V 0.7A 1W	S-PAK			
2SD1496	GO TO: BU508A				
2SD1497	TR SI-N 1500V 6A 50W	SOT93			
2SD1541	TR N-DARL+DI 1500V 3A 50W	SOT93			
2SD1541RL	GO TO: 2SD1441RL				
2SD1543	GO TO: S2000N				
2SD1544	GO TO: S2000N				
2SD1545	GO TO: S2000N				
2SD1546	GO TO: S2000N				
2SD1547	GO TO: S2000N				
2SD1548	TR SI-N 1400V 10A 50W	ISOJ04			
2SD1553	GO TO: S2055N				
2SD1554	GO TO: S2055N				
2SD1555	GO TO: S2055N				
2SD1555	GO TO: S2055N				
2SD1565	TR N-DARL+DI 100V 5A 30W	T0220			
2SD1577	TR SI-N 1500V 5A 80W	IS0218			
2SD1589	TR N-DARL+DI 100V 5A 20W	IS0220			
2SD1609	TR SI-N 160V 0.1A	T0126			
2SD1632	TR N-DARL+DI 1500V 4A 80W	IS0218			
<b>Tip:</b> <i>For use in Panasonic TV's use 2SD1632RL</i>					
2SD1632RL	TR PANASONIC ORIGINAL	IS0218			
2SD1640	TR N-DARL+DI 120V 2A	IS0126			
2SD1649	TR SI-N+DI 1500/800V 2.5A 50W	IS0218			
2SD1650	TR SI-N+DI 1500/800V 3.5A 50W	IS0218			
2SD1651	TR SI-N+DI 1500/800V 5A 60W	IS0218			
2SD1669	TR SI-N 60V 12A 30W	IS0220			
2SD1677	TR SI-N 1500V 5A 100W	SOT93			
2SD1680	TR SI-N 330/200V 7A 70W	IS0218			
2SD1710	TR SI-N 1500/800V 5A 100W	IS0218			
2SD1711	TR SI-N 1500/800V 5A 100W	IS0218			
2SD1729	GO TO: BU508D				
2SD1730	GO TO: BU508D				
2SD1732	GO TO: BU2508D				
2SD1739	TR SI-N 1500/700V 6A 100W	IS0218			
2SD1761	TR SI-N 80V 3A 35W	IS0220			
2SD1762	TR SI-N 60V 3A 25W	IS0220			
2SD1763A	TR SI-N 120V 1.5A 20W	IS0220			
2SD1846	GO TO: S2055N				
2SD1847	GO TO: BU508DF				
2SD1850	GO TO: BU508AF				
2SD1863	TR SI-N 120V 1A 1W	S-PAK			
2SD1877	TR SI-N+DI 1500/800V 4A 50W	IS0218			
2SD1878	TR SI-N+DI 1500V 5A 60W	IS0218			
2SD1879	GO TO: BU508DF				
2SD1880	TR SI-N+DI 1500V 8A 70W	IS0218			



# SEMI CONDUCTORS

2SD1883	GO TO: BU508AF	
2SD1884	GO TO: BU508AF	
2SD1886	GO TO: 2SD1887	
2SD1887	TR SI-N 1500/800V 10A 70W	IS0218
2SD1911	GO TO: 2SD1651	
2SD1912	TR SI-N 60V 3A 30W	T0220
2SD1929	TR N-DARL+D 60V 2A 1.2W	T092M
2SD1933	TR N-DARL+DI 80V 4A 30W	IS0220
2SD1941	GO TO: 2SD1739	
2SD1944	TR SI-N 80V 3A 30W	IS0220
2SD1985	GO TO: 2SC3852	
2SD2006	TR SI-N 800V 0.7A 1.2W	IS082
2SD2012	TR SI-N 60V 3A 25W	IS0220
2SD2057	GO TO: BU508DF	
2SD2058	TR SI-N 60V 3A 25W	IS0220
2SD2092	GO TO: BD241C	
2SD2125	TR SI-N+DI 1500V 5A 50W	ISOJ04
2SD2132	TR SI-N 25V 0.5A	T092
2SD2166	TR SI-N 50V 5A	IS0276
2SD2243	GO TO: 2SD1145	
2SD2253	TR SI-N+DI 1700V 6A 50W	SOT93
2SD2331	TR N-DARL+DI 1500V 3A	ISOJ04
2SD2333	GO TO: BU508DF	
2SD2390	TR N-DARL 160V 10A 100W	SOT93
2SD2395	TR SI-N 50V 3A 25W	IS0220
2SD2399	TR N-DARL+DI 80V 4A 30W	IS0220
2SD2498	GO TO: BU508AF	
2SD2499	TR SI-N+DI 1500V 6A 50W	IS0218
2SD2500	GO TO: 2SD2253	
2SD2539	GO TO: BU2508DF	
2SD2553	GO TO: 2SD2253	
2SD5072	GO TO: BU2508DF	

## 2SJ 2SK 3SK

2SJ50	GO TO: BUZ905	
2SK30A	FET NPN 50V 6.5mA	T092
2SK117	FET NPN 50V 5mA	T092
2SK118	FET NPN 50V 0.3mA 0.1W	SPT
2SK135	GO TO: BUZ900	
2SK246	FET NPN 50V 1.2mA	T092
2SK369	FET NPN	T092
2SK386	FET NPN	JAP02
2SK793	GO TO: 2SK794	
2SK794	FET NPN 900V 5A 150W	SOT93
2SK872	FET NPN 900V 6A 150W	IS0218
2SK903	FET NPN 800V 3A 40W	IS0220
2SK1117	FET NPN 600V 6A 100W	T0220
2SK1118	FET NPN 600V 6A 45W	IS0220
2SK1217	FET NPN 900V 8A 100W	IS0218
2SK1356	GO TO: 2SK1460	
2SK1357	FET NPN 900V 5A 125W	SOT93
2SK1358	FET NPN 900V 9A 150W	SOT93
2SK1420	FET NPN 60V 25A 30W	IS0220
2SK1460	FET NPN 900V 3.5A 40W	IS0220
2SK1507	FET NPN 600V 9A 50W	IS0220
2SK1602	GO TO: 2SK1460	
2SK1603	GO TO: 2SK1460	

2SK1611	GO TO: 2SK903	
2SK1833	GO TO: BUK444-500B	
2SK1953	GO TO: 2SK2141	
2SK2038	FET NPN 800V 5A 125W	SOT93
2SK2039	FET NPN 900V 5A 150W	SOT93
2SK2043	FET NPN 600V 2A 2W	IS0220
2SK2056	GO TO: 2SK2605	
2SK2129	GO TO: 2SK1460	
2SK2134	GO TO: IRF640	
2SK2141	FET NPN 600V 6A 35W	IS0220
2SK2161	FET NPN 200V 9A 25W	IS0220
2SK2333	FET NPN 700V 6A 50W	IS0220
2SK2352	GO TO: 2SK1118	
2SK2545	FET	IS0220
2SK2605	FET NPN 800V 4A 40W	IS0220
2SK2632	GO TO: 2SK1460	
2SK2645	FET	T0220
2SK2848	TRANSISTOR	
3SK74	FET NPN 20V 25mA 0.2W	SOT103

## CMOS 4000 series

4001	NOR GATES 4x2 INPUT	14PIN
4011	NAND GATES 2x4 INPUT	14PIN
4013	2xD FLIP FLOP	14PIN
4016	4xANALOG SWITCH	14PIN
4020	BINARY COUNTER 14 BIT	16PIN
4027	UAL JK FLIP-FLOP	16PIN
4029	4-BIT UP/DOWN	16PIN
4033	DECADE/7 SEG RIPPLE BLNK	16PIN
4041	4x INVERTER/BUFFER	14PIN
4051	8-CHNL ANALOG MULTIPLEXER	16PIN
4053	3x2CHNL ANALOG M/PLEXER	16PIN
4066	4 X ANALOG SWITCH	14PIN
4078	NOR GATES 1x8 INPUT	14PIN
4093	NAND GATES 4x2 INPUT	14PIN
4510	BCD UP/DOWN	16PIN
4520	2x BINARY COUNTERS	16PIN
4528	2xMonostable MULTIVIBRATOR	16PIN

## 5P

5P4M	THYRISTOR	T0220
5P6M	THYRISTOR	

## 78L series - Voltage regulator

78L05	V-REG POSITIVE +5V	T092
78L06	V-REG POSITIVE +6V	T092
78L08	V-REG POSITIVE +8V	T092
78L09	V-REG POSITIVE +9V	T092
78L12	V-REG POSITIVE +12V	T092
78L15	V-REG POSITIVE +15V	T092
79L05	V-REG NEGATIVE -5V	T092
79L06	V-REG NEGATIVE -6V	T092
79L08	V-REG NEGATIVE -8V	T092
79L09	V-REG NEGATIVE -9V	T092
79L12	V-REG NEGATIVE -12V	T092
79L15	V-REG NEGATIVE -15V	T092





# SEMI CONDUCTORS

ordercode	description	package
<b>8</b>		
80011A	INTEGRATED CIRCUIT	
872901115	TR 2SC2485	
872901632	TR 2SC4927	
874901401	IC STRS6708N	
874992063	IC STRS5941	
875207846	IC CXA2043Q	
875919563	IC PQ09RE11	
875969099	IC TA8268HS	

## A

AD149	TR GE-P 50V 3.5A 27W (2SB337)	T066
AD161	TR GE-N 32V 1A 6W	T066
AGH003	GO TO: STK080	
AH1202	IC	

## AN

AN214Q	IC AF AMPLIFIER 18V4.5W	SIL09
AN239Q	IC TV-VIDEO + TON-ZF + DEM	DIP28
AN240P	IC TV TON-ZF Ucc=12v	DIP14
AN262	IC VCR PLAY/REC AMPLIFIER	DIP16
AN521	IC TV SYNCHRON.SIGNAL.DET	SIP9
AN3313	IC TAPE HEAD AMPLIFIER	DIP14
AN3821K	IC VTR CAPSTAN DRIVER 1.5A	MDIP24
AN3822K	GO TO: AN3821K	
AN5033	IC TV TUNER-CONTROL	DIP20
AN5034	IC TV TUNER-CONTROL	DIP20
AN5071	IC TV TUNER SWITCH+31V-REG	SIP9
AN5135NK	IC VIDEO+FM IF-AMP	SDIP28
AN5138NK	IC CTV/VID IF-AMP	MDIP28

**Tip:** AN5138NK - For use in Panasonic TV's use original

AN5151N	IC TV IF-AMP+AFC POS.	DIP28
AN5192K-B	INTEGRATED CIRCUIT	
AN5195K	IC TV AKAI VERTICAL	DIP64
AN5250	IC TV SOUND IF+DAT+2W AMP	DIP16G
AN5256	IC TV SOUND IF+DET+2W AMP	DIP164
AN5265	IC TV DC VOLUME CONTROL	SIL9
AN5352N	IC CHAR+PATTERN INTERFACE	DIP22
AN5410	IC CTV DEFLECT.SIGNAL PRC	DIP24
AN5431N	IC VIDEO DEFLECTION CIRCUIT	DIP16
AN5512	IC TV VERTICAL OUTPUT	SIL9
AN5515	IC VERT DEFL.OUTPUT	SIL7
AN5521	IC TV VERT DEFL.OUTPUT	SIL7
AN5534	IC VERTICAL PROC./DEFLECT.	SIP12
AN5601K-A	IC TV PAL CHROMA PROC.	MDIP42

**Tip:** AN5601K - For use in Panasonic TV's use original

AN5607NK	INTEGRATED CIRCUIT	
AN5612	IC CTV PAL/SECAM CHROMA	DIP18
AN5615	IC TV/VIDEO SIGNAL PROCES	SIP12
AN5625	IC PAL CHROMA SIGN.PROC	DIP22
AN5635	IC	DIP24
AN5836	IC DC VOL+TONE CONTROL	SIP12
AN5900	IC PWM REGULATOR 15kHz	SIP9

AN6356N	IC VCR SERVO CYL INTERFACE	DIP18
AN6360	IC VTR COLOUR ACC CIRCUIT	DIP18
AN6362	IC VTR COLOUR-AFC	DIP18
AN6371	IC VTR COLOUR APC (PAL)	DIP16
AN6551	IC DUAL OP-AMP NF-EQUAL	SIP9
AN6554	IC QUADRUPLE OPERATE AMP	DIP14
AN6610	IC SPEED CONTROL	T0126
AN6677	IC SERVO	DILP24
AN6914	IC KOP	DIP8
AN7062N	IC PRE AMP	DIP18
AN7112E	IC 1.0W AUDIO POWER AMP	SIP9
AN7125	IC - PHILIPS ORIGINAL	
AN7133N	IC POWER AMP 2X5.8W	SQL23
AN7134N	IC POWER AMP 2X7.5W (NR)	SQL23
AN7135	IC POWER AMP 2*7W	SIP12
AN7147N	IC 2x5.8W AUDIO POWE AMP	SIL12
AN7148	IC DUAL 2.1W AUDIO PWR AMP	SIL12
AN7149N	IC DUAL CHANNEL AUDIO AMP	SIL12
AN7158N	IC 7.5W DUAL POWER AMP	SIP12
AN7161N	IC 18W BTL AUDIO POWER	SILP12
AN7164	IC 2xNF-E 30V 5A 30W	SIL12
AN7168	IC 5.7W AUDIO POWER AMP	SILP12
AN7173K	IC POWER AMP 2x9W/4ohm 6A	SQL16
AN7174K	IC PWR AMP 2x12.5W 4ohm 6A	SQL16
AN7224	IC FM/AM IF AMP AFC/AGC	DIP18
AN7410N	IC STEREO DECODER	DIP16

## BA

BA159	DIODE SI-D 1000V 1A/35Ap	D041
BA328	IC 2xNF-V ra Ucc=8V	SIP8
BA527	IC POWER AMP	SIP9
BA536	IC POWER AMP	SILP12
BA1320	IC STEREO MPX DEMOD	DIP16
BA3416BL	IC DUAL PRE AMP	SQP18
BA3812L	IC 5 FREQ GRAPHIC EQUALIZER SQP18	
BA5115	IC VTR AUDIO REC/PLAY SYST	DIP18
BA5406	IC 5W 12V DUAL POWER AMP	SIL12
BA5412	IC 1.5W 9V DUAL POWER AMP	SIP12
BA5413	IC 5.4W DUAL POWER AMP	SIP12
BA5417	INTEGRATED CIRCUIT	SILP15
BA6191	IC	SIL12
BA6208	IC MOTOR LC DRIVER	SIP9
BA6209	IC MOTOR DR 4 MODE 18V 1.6A	SIL10
BA6209N	IC MOTOR DR 4 MODE 18V 1.6A	SIP10
BA6218	IC MOTOR DR 4 MODE 18V 0.7A	SIP9
BA6219B	IC MOTOR DR 4 MODE 22V 2.2A	SIL10
BA6229	IC MOTOR DR 4 MODE 24V 1.2A	SIL10
BA6238A	IC MOTOR DR 2xREV 20V 1.6A	SIL10
BA6247	IC MOTOR DR 2xREV NO COOL	SIP10
BA6248	IC 30INP BI-DIR MOTOR DRIVER	SIL10
BA6296FP	IC CD ROM DRIVER SMD	SOP28B
BA6411	IC MOTOR DR 2-PHASE 20V 1.2A	SIL12
BA6418N	IC DRIVER MOTOR REVERSIBLE	SIP9
BA6430S	IC DRIVER MOTOR	DILP24
BA6432S	IC 3 PHASE MOTOR DRIVER	DILP24
BA6435S	IC 3 PHASE MOTOR DRIVER	DILP24
BA6439P	IC MOTOR DRIVER	DILP24



# SEMI CONDUCTORS

BA6887	INTEGRATED CIRCUIT	SIL10	BD178	GO TO: BD180	
BA7604N	IC VIDEO SIGNAL SWITCHER	SIP10	BD179	TR SI-N 80V 3A 30W	T0126
BA7751LS	IC AUDIO SIGNAL PRCEESOR	SQP24	BD180	TR SI-P 80V 3A 30W	T0126
BA7755	IC VCR AUDIO HEAD SWITCH	SIP5	BD202	TR SI-P 60/45V 8A 60W	T0220
BA7795LS	IC VCR AUDIO PROCESSOR	SQL24	BD203	GO TO: BD537	
BA15218	IC OP AMP 2x36V	DIP8	BD204	GO TO: BD538	
BAV21	DIODE SI-D 200V 0.2A 0.5Ap	D035	BD233	GO TO: BD237	
<b>BC</b>			BD234	GO TO: BD238	
BC107	TR SI-N 50V 0.2A 0.3W	T018	BD235	GO TO: BD237	
BC108	GO TO: BC107		BD236	GO TO: BD238	
BC149	GO TO: BC550		BD237	TR SI-N 100V 2A 25W	T0126
BC237	GO TO: BC547		BD238	TR SI-P 100V 2A 25W	T0126
BC239	GO TO: BC550		BD239C	TR SI-P 100V 2A 30W	T0220
BC327	TR SI-P 50V 0.8A 625mW	T092	BD240C	GO TO: BD242C	
BC328	TR SI-P 30V 0.8A 625mW	T092	BD241C	TR SI-N 100V 3A 40W	T0220
BC337	TR SI-N 50V 0.8A 625mW	T092	BD242C	TR SI-P 100V 3A 40W	T0220
BC338	TR SI-N 50V 0.8A 625mW	T092	BD243C	TR SI-N 100V 6A 65W	T0220
BC368	TR SI-N 20V 1A 0.8W	T092	BD244	TR SI-P 100V 6A 65W	T0220
BC369	TR SI-P 20V 1A 0.8W	T092	BD244C	GO TO: BD244	
BC546	TR SI-N 80V 0.1A 0.5W	T092	BD249C	GO TO: TIP35C	
BC547	TR SI-N 50V 0.2A 0.5W	T092	BD291	GO TO: BD537	
BC548	GO TO: BC547		BD434	TR SI-P 22V 4A 36W	T0126
BC549	GO TO: BC550		BD435	TR SI-N 32V 4A 36W	T0126
BC550	TR SI-N 50V 0.2A 0.5W	T092	BD436	TR SI-P 32V 4A 36W	T0126
BC556	TR SI-P 80V 0.2A 0.5W	T092	BD437	TR SI-N 45V 4A 36W	T0126
BC557	GO TO: BC556		BD441	TR SI-N 80V 4A 36W	T0126
BC559	TR SI-P 30C 0.2A 0.5W	T092	BD442	TR SI-P 80V 4A 36W	T0126
BC560	TR SI-P 50V 0.2A 0.5W	T092	BD535	GO TO: BD537	
BC635	TR SI-N 45V 1A 0.8W	T092	BD536	GO TO: BD538	
BC636	TR SI-P 100V 1A 0.8W	T092	BD537	TR SI-N 80V 8A 50W	T0220
BC637	GO TO: BC639		BD538	TR SI-P 80V 8A 50W	T0220
BC638	GO TO: BC640		BD610	GO TO: BD912	
BC639	TR SI-N 80V 1A 0.8W	T092	BD643	TR N-DARL+DI 60V 8A 62.5W	T0220
BC640	TR SI-P 80V 1A 0.8W	T092	BD644	GO TO: BD652	
BC817	TR SI-N 50V 0.5A 0.25W	SOT23	BD645	TR N-DARL+DI 80V 8A 62.5W	T0220
BC847	TR SI-N 50V 0.1A 0.25W	SOT23	BD646	GO TO: BD652	
BC847C	TR SI-N 50V 0.1A 0.25W	SOT23	BD647	GO TO: BD649	
BC848	GO TO: BC848B		BD649	GO TO: BD651	
BC848B	TR SI-N 30V 0.1A 0.25W	SOT23	BD650	GO TO: BD652	
BC848C	GO TO: BC847C		BD651	TR N-DARL+DI 140V 8A 62.5W	T0220
BC857	TR SI-P 45V 0.1A 0.2W	SOT23	BD652	TR P-DARL+DI 140V 8A 62.5W	T0220
BC857C	TR SI-P 45V 0.1A 0.25W	SOT23	BD675	GO TO: BD679	
BC858	GO TO: BC857		BD676	GO TO: BD682	
BC858C	GO TO: BC857C		BD677	GO TO: BD681	
BC869	TR SI-P 1A 1W	SOT89	BD678	GO TO: BD682	
<b>BD</b>			BD679	TR N-DARL+DI 80V 4A 40W	T0126
BD135	GO TO: BD139		BD681	TR N-DARL+DI 100V 4A 40W	T0126
BD136	GO TO: BD140		BD682	TR P-DARL+DI 100V 4A 40W	T0126
BD137	TR SI-N 60V 1.5A 12.5W	T0126	BD908	GO TO: BD912	
BD138	TR SI-P 60V 1.5A 12.5W	T0126	BD912	TR SI-P 100V 15A 90W	T0220
BD139	TR SI-N 100V 1.5A 12.5W	T0126	BD941	TR SI-N 140V 3A 30W	T0220
BD140	TR SI-P 100V 1.5A 12.5W	T0126	BDV65C	TR N-DARL+DI 120V 20A 125W	SOT93
BD175	GO TO: BD179		BDW93C	TR N-DARL 100V 12A 80W	T0220
BD176	GO TO: BD180		BDW94C	TR P-DARL 100V 12A 80W	T0220
BD177	GO TO: BD179		BDX54C	TR P-DARL 100V 6A 60W	T0220



# SEMI CONDUCTORS

<i>ordercode</i>	<i>description</i>	<i>package</i>			
<b>BF</b>					
BF199	TR SI-N 40V 25mA 0.3W	T092	BU807	TR N-DARL+DI 330V 8A 60W	T0220
BF245	TR N-FET 30V 0.1A 0.3W	T092	BU808DF	TR N-DL+D 1500/700V 5A 50W	ISO218
BF258	TR SI-N 250V 0.1A 0.8W	T039	BU903	TR SI-N 1350/550V 6A 125W	SOT93
BF324	TR SI-P 30V 25mA 0.25W	T092	BU1508DX	TR SI-N+DI 1500V 8A 35W	ISO220
BF337	TR SI-N 250V 0.1A 0.8W	T039	BU2508AF	TR SI-N 1500V 8A 45W	ISO218
BF338	TR SI-N 300V 0.1A 0.8W	T039	BU2508AX	TR SI-N 1500V 8A 45W	ISOJ04
BF420	GO TO: BF422		BU2508D	TR SI-N+DI 1500V 8A 125W	SOT93
BF421	TR SI-P 300V 0.1A 0.83W	T092	BU2508DF	TR SI-N+DI 1500V 8A 45W	ISO218
BF422	TR SI-N 300V 0.1A 0.83W	T092	BU2508DX	TR SI-N+DI 1500V 8A 45W	ISOJ04
BF423	GO TO: BF421		BU2520AF	TR SI-N 1500V 10A 45W	ISO218
BF458	GO TO: BF459		BU2520AX	TR SI-N 1500V 10A 45W	ISOJ04
BF459	TR SI-N 300V 0.1A 10W	T0126	BU2520DF	TR SI-N+DI 1500V 10A 45W	ISO218
BF469	GO TO: BF471		BU2522AF	GO TO: BU2525AF	
BF470	GO TO: BF472		BU2525A	TR SI-N 1500V 12A 45W	SOT93
BF471	TR SI-N 300V 0.1A 2W	T0126	BU2525AF	TR SI-N 1500V 12A 45W	ISO218
BF472	TR SI-P 300V 300mA 2W	T0126	BU2527AF	TR SI-N 1500V 12A 45W	ISO218
BF485	TR SI-N 350V 0.05A 0.83W	T092	BUH315D	GO TO: S2055N	
BF487	GO TO: BF485		BUH515	GO TO: BU2508AF	
BF819	TR SI-N 250V .01A 1.2W	T0202	BUH515A	GO TO: S2000N	
BF869	GO TO: BF871		BUH515D	GO TO: S2055N	
BF871	TR SI-N 300V 0.1A 1.8W	T0202	BUH517	TR SI-N 1700V 8A 60W	ISO218
<b>BR BS BT</b>			BUH713	GO TO: BU2525AF	
BRY55	THYRISTOR 30...800V 0.8A	T092	BUH715	GO TO: BU2527AF	
BSS38	TR SI-N 120V 0.1A 0.2W	T092	BUH1015	TR SI-N 1500V 14A 160W	SOT93
BSS66	GO TO: BF421		BUK444-500B	FET NPN 500V 1.9A 25W	ISO220
BSX20	TR SI-N 40V 0.5A 0.36W	T018	BUK444-800B	FET NPN 800V 1.2A 30W	ISO220
BT136-800	GO TO: BT137-800		BUK446-800	FET NPN 800V 2A 30W	ISO220
BT137-600	TRIAC 8A 600V	T0220	BUK455-500B	GO TO: IRF830	
BT137-800	TRIAC 8A 800V	T0220	BUK455-600B	GO TO: BUZ90A	
BT138-800	TRIAC 12A 800V	T0220	BUK456-60A	GO TO: IRFZ48N	
BT139-800	TRIAC 16A 800V	T0220	BUK456-800B	FET NPN 800V 4A 125W	T0220
BT151F-500R	THYRISTOR 500V 12A	ISO220	BUT11A	TR SI-N 1000V 5A 100W	T0220
BTA10-700C	GO TO: BT138-800		BUT11AF	TR SI-N 1500V 5A 20W	ISO220
BTA16-600	TRIAC 16A 600V - INSULATED	T0220	BUT11AX	TRANSISTOR	ISO220
BTB16-400	GO TO: SC151D		BUT11F	GO TO: BUT11AF	
<b>BU</b>			BUT12A	TR SI-N 1000V 8A 125W	T0220
BU126	GO TO: BU326A		BUT12AF	TR SI-N 1000V 8A 23W	ISO220
BU205	GO TO: BU208A		BUT18AF	TR SI-N 1000V 6A 33W	ISO220
BU208A	TR SI-N 1500V 5A 130W	T03	BUT56A	TR SI-N 1000/450V 8A 100W	T0220
BU208D	TR SI-N+DI 1500V 8A 150W	T03	BUV48A	TR SI-N 1000V 15A 150W	SOT93
BU326A	TR SI-N 900V 6A 75W	T03	BUV48B	GO TO: BUV48C	
BU406	TR SI-N 400V 7A 65W	T0220	BUV48C	TR SI-N 1200/700V 15A 150W	SOT93
BU408	TR SI-N 400V 7A 65W	T0220	BUV70	TR SI-N 1300/550V 10A 140W	SOT93
BU505	TR SI-N 1500V 2.5A 75W	T0220	BUW11	TR SI-N 1000V 5A 100W	SOT93
BU508A	TR SI-N 1500V 8A 125W	SOT93	BUW12A	TR SI-N 1000V 8A 125W	SOT93
BU508AF	TR SI-N 1500V 8A 34W	ISO218	BUW13A	TR SI-N 1000V 15A 175W	SOT93
BU508D	TR SI-N+DI 1500V 8A 125W	SOT93	BUW13AF	TR SI-N 1000V 15A 175W	ISO220
BU508DF	TR SI-N+DI 1500V 8A 34W	ISO218	BUW84	TR SI-N 800V 2A 50W	T0126
BU526A	TR SI-N 900/460V 8A 86W	T03	BUX48	TR SI-N 1000V 15A 175W	T03
BU5299	GO TO: BU2520AF		BUX84	GO TO: BUX85	
BU626	TR SI-N 1000V 10A 100W	T03	BUX85	TR SI-N 1000V 2A 40W	T0220
BU806	TR N-DARL+DI 400V 8A 60W	T0220	BUZ11A	FET NPN 50V 27A 90W	T0220
			BUZ32	GO TO: IRF640	
			BUZ41A	GO TO: IRF830	
			BUZ71A	FET NPN 50V 18A 80W	T0220
			BUZ80A	FET NPN 800V 3A 75W	T0220
			BUZ90A	FET NPN 600V 4A 75W	T0220



# SEMI CONDUCTORS

BUZ90AF	FET NPN 600V 4.3A 75W	IS0220
BUZ91A	FET NPN 600V 8A 150W	T0220
BUZ900	FET 160V 8A 125W	T03
BUZ905	FET PNP 160V 8A 125W	T03

## BY

BY184	DIODE 1500/1800V	R4*15
BY206	DIODE RECTIFIER 350V	R4*15
BY227	DIODE 800V 1.6A	D014
BY228	DIODE DAMPER 1500V 3A	D041
BY229-600	GO TO: BY229-800	
BY229-800	DIODE 800V 7A/60Ap	D0220
BY249-600	DIODE 600V 6.5A/60Ap	D0220
BY298	DIODE 400V 2A/70Ap	D015
BY299	DIODE 800V 2A/70Ap	D015
BY329-1200	DIODE 1200V 8A/80Ap	D0220
BY359-1500	DIODE 1500V 6.5A/60Ap	D0220
BY406	GO TO: BYX55/600	
BY407	GO TO: BYX55/600	
BY550-200	DIODE 200V 5A	D026
BYD14	GO TO: BYW96E	
BYD33D	DIODE SI-D 200V 1.3A	SOD81
BYV95C/600	DIODE 600V 1.5A/35Ap	SOD57
BYV96E	DIODE 1000V 1.5A F/SWITCHING	SOD57
BYW55	GO TO: BYW96E	
BYW56	DIODE	SOD57
BYW95C	DIODE 600V 3A/70Ap	SOD64
BYW96E	DIODE 1000V 3A F/ SWITCHING	SOD64
BYX55/600	DIODE 600V 2A/40Ap	D0201

## C

C122D	THYRISTOR 400V 5A	T0220
C122M	THYRISTOR 600V 5A	T0220
CD8403CS	GO TO: TA8403K	
CNX62A	OPTO COUPLER	DIP6
CNX82	OPTO COUPLER 13010025	DIP6
CNX83A	OPTO COUPLER	DIP6
CX20106A	IC RC PREAMPLIFIER	SIP8
CXA1081M	IC CD-RF+ERROR AMP+APC	S030
CXA1082BQ	IC CD-SERVO	QFP48
CXA1213BS	IC Y-CHROMA SYNC PROC	MDIP48
CXA1213S	GO TO: CXA1213BS	
CXA1291P	INTEGRATED CIRCUIT	
CXA2043Q	GO TO: 875207846	

## DTA

DTA114EA	GO TO: DTA114ES	
DTA114ES	TR SI-P 50V 0.1A 10K/10K	SPT
DTA124EA	TR SI-P 50V 0.1A 22K/22K	SPT
DTA143ES	TR SI-P 50V 0.1A 4.7K/4.7K	SPT
DTA144EA	TR SI-P 50V 0.1A 47K/47K	SPT
DTC114EA	TR SI-N 50V 0.1A 10K/10K	SPT
DTC124ES	TR SI-N 50V 0.1A 22K/22K	SPT
DTC144ES	TR SI-N 50V 0.1A 47K/47K	SPT

## HA

HA1125	IC TV TON-ZF	DIP14
HA1199	IC AM TUNER	DIP16
HA1350S	GO TO: HA1397	
HA1366W	IC NF-E 18V 4.5A 5.5W	SILP10
HA1388	IC NF-E 18V 4A 18W	SIL12
HA1392	IC POWER AMP 2x6.8W/4E 20V	SIL12
HA1394	IC POWER AMP 6-7W DUAL	SIL12
HA1397	IC 20W AUDIO POWER AMP	SIL12
HA1398	IC 5.8W POWER AMP DUAL	SIL12
HA11211	IC FM/AM TUNER 16/20p	DIP16/20
HA11225	IC FM IF AMPLIFIER	DIP16
HA11226	IC 2XDOLBY	DIP16/20
HA11235	IC CTV HA-/VA SYNCHR + OSC	DIP16/20
HA11401	IC TV VIDEO	DIP16
HA11414	IC TV SYNCHR	DIP16
HA11715	IC 3 PH BI-DIR MOTOR DRIVER	QIP12A
HA11752	IC AUDIO AMPLIFIER	DIP16
HA12002	IC POWER AMP PROTECTOR	DIP14
HA12016	IC FM MPX DEMODULATOR	DIP16
HA13001	IC 2xNF-E 18V 4.5A 2x5.5W	SQL12
HA13117	IC POWER AMP 1x14W/4E 18V	SQL15
HA13118	IC POWER AMP 1x18W/4E 18V	SQL15
HA13119	IC POWER AMP 2x5.5W/4E 18V	SQL15
HA13150A	IC 4 CHANNEL AUDIO AMP	ZIP23
HA13151	IC P/AMP 4x14W/4E 18V 3A	SQL23
HA13152	IC P/AMP 4x14W/4E 18V 3A	SQL23
HA13153A	IC AMPLIFIER	
HA13155	IC P/AMP 4*33W/4E 18V	SQL23
HA13157	GO TO: HA13158	
HA13158	IC	SQL23
HA13403	IC MOTOR DRIVER 3-PHASE	SQL23
HA17431P	IC AP V-REG 2.5-40V 0.15A	DIP8
HIS0169C	GO TO: KIT-TVSMPS-1	

## I

IRF350	FET NPN 400V 13A 150W	T03
IRF530N	FET NPN 100V 16A 90W	T0220
IRF540	FET NPN 100V 28A 150W 0.077	T0220
IRF542	GO TO: IRF540	
IRF620	GO TO: IRF630	
IRF630	FET NPN 200V 9A 75W	T0220
IRF640	FET NPN 200V 18A 125W	T0220
IRF740	FET NPN 400V 10A 125W	T0220
IRF820	GO TO: IRF822	
IRF822	FET NPN 500V 3A 75W	T0220
IRF830	FET NPN 500V 4.5A 100W	T0220
IRF840	FET NPN 500V 4.5A 40W	T0220
IRF9540	FET PNP 100V 19.0A 150W	T0220
IRF9630	FET NPN 200V 6.5A 75W 0R8	T0220
IRFZ14 / IRFZ22	GO TO: IRFZ44	
IRFZ24 / IRFZ30	GO TO: IRFZ44	
IRFZ34 / IRFZ40	GO TO: IRFZ44	
IRFZ42	GO TO: IRFZ44	
IIRFZ44	FET NPN 60V 46A 250W	T0220
IRFZ48N	FET NPN 60V 46A 250W	T0220



# SEMI CONDUCTORS

**ordercode**      **description**      **package**

## J

JRC4556D	IC DUAL HI CURRENT 18V	DIP8
JRC4558C	IC OP AMP 2x44V 3MHz	DIP8
JRC4558S	IC OP AMP DUAL	SIP9
JU0004	THICK FILM - SANYO	
JU0047	GO TO: JU0114	
JU0114	THICK FILM - SANYO	
JU0168	THICK FILM - SANYO	

## K

KA1222	IC 2xNF-V ra Ucc=2.5...6V	SIP8
KA2101	GO TO: LA1365	
KA2102A	IC TV TON-ZF	DIP14
KA2209	IC 2xNF-E 15V 1A 2x0.65W	DIP8
KA2213	IC EQUALISER/POWER AMP	DIP14
KA2914A	IC TV VIDEO TON-ZF	DIP24
KA7552	IC PWM V-CONTROL 30V	DIP8
KA7630	INTEGRATED CIRCUIT	SIL10
KA8310	IC MOTOR CNTRLR DRIVER	SQP20
KA8321Q	IC SERVO CNTRLR FOR VCR	QFP60
KA9256	IC DUAL HIGH POWER	SIL10

**Tip:** *KIA series are mainly substituted with TA series IC's - check with us.*

KBP156	BRIDGE RECTIFIER 1.5A 600V	
KBPC3504	BRIDGE RECTIFIER - 35 AMP	
KBPC610	BRIDGE RECTIFIER 6A 1000V	
KIT-TVSMP5-1	SAMSUNG POWER SUPPLY KIT	

## LA

LA1140	IC FM-IF SYSTEM	SIP16
LA1201	IC AM/FM-ZF AGC AM DEM	DIP14
LA1230	GO TO: LA1231	
LA1231	IC FM-IF AMP	DIP16
LA1245	IC AM TUNER	DIP20
LA1260	IC AM/FM TUNER+FM-IF AMP	DIP16
LA1265	IC AM/FM TUNER+FM-IF AMP	MDIP22
LA1365	IC TV TON-ZF DEM	DIP14
LA3350	GO TO: LA3361	
LA3361	IC FM-MPX STEREO DECODER	DIP16
LA3370	IC FM-MPX STEREO DECODER	SIP16
LA3600	IC PRE-AMP 1CH+GR EQU.5 BA	DIP16
LA4031P	IC NF-E 18V 1.5A 2W	DIP8A
LA4032P	GO TO: LA4031P	
LA4125	IC POWER AMP 2x2.4W	DILP20
LA4138	IC POWER AMP 1x2.7W	DIP14G
LA4140	IC POWER AMP 0.5W	SIP9
LA4261	IC POWER AMP 2x3.5W	SIL10
LA4265	IC POWER AMP 1x3.5W	SIL10
LA4270	IC POWER AMP 2x6W	SILP10
LA4282	IC POWER AMP 2x10W	SILP12
LA4400	GO TO: LA4445	
LA4440	IC POWER AMP 2x6W	SILP14
LA4445	IC POWER AMP 2x5.5W	SILP12
LA4450	IC POWER AMP 2x19W	SILP14
LA4451	IC POWER AMP	SILP14
LA4461	IC POWER AMP 1x12W	SILP10

LA4470	IC POWER AMP 1x20W	SILP14
LA4471	IC POWER AMP 1x20W	SILP14
LA4490N	GO TO: LA4495	
LA4495	IC POWER AMP 1x20W	SQLP14
LA4500	IC POWER AMP 1x20W	SQLP14
LA4505	IC POWER AMP 2x8.5W	DILP20
LA4507	IC POWER AMP 2x4.5W	SILP14
LA4508	IC POWER AMP 2x8.5W	SILP14
LA4597	IC POWER AMP 2x4.6W	SIL13
LA4598	IC POWER AMP 2x2.9W	SQLP14
LA4700	IC POWER AMP 2x12W	SILP18
LA4705	IC POWER AMP 2x25W	SILP18
LA5512N	IC MOTOR SPEED CONTROL	SIL4
LA5613	IC	SIL10
LA6324	IC QUAD SERIES	DIP14
LA6358	IC DUAL OP AMP	SIP9
LA6358N	GO TO: LM358N	
LA6458D	IC OP AMP 158+/-18V	DIP8
LA6510	IC DUAL OP AMP DR. 18V 1A	SIL10
LA6515	IC DUAL OP AMP DR. 18V 1A	SIP10
LA6520	IC TRIPLE OPAMP DR. 18V 0.5A	DIP12K
LA7016	IC ELECTR. SWITCH FOR VTR	SIP08
LA7045	IC AMP SWITCH	DIP20
LA7096	IC	MDIP30
LA7210	IC VTR TUNING DETECT CTR	SIP10
LA7286	INTEGRATED CIRCUIT	DIP24
LA7295	IC AUDIO RECORD/P-BACK AMP	SQP30
LA7297	IC AUDIO RECORD/P-BACK AMP	SQP30
LA7323	IC VCR LUM SIGNAL PROC	MDIP30
LA7520	IC CLR TV VTR SIGNAL PROC	SDIP30
LA7550	IC VIDEO AMPL. SOUND AMPL	SDIP24
LA7680	IC CTV SIGNAL PROC NTSC/PAL	MDIP48
LA7685J	IC	MDIP64
LA7800	IC CTV SYNCHRO+DEFL	DIP16
LA7804	GO TO: LA7910	
LA7830	IC V-OUTPUT CONTROL	SIL07
LA7832	IC VERT DEFL OUTPUT CCT	SIL07
LA7833	IC VERT DEFL OUTPUT CCT	SIP07
LA7835	IC VERT DEFL OUTPUT DRVR	SIL13
LA7837	IC VERT DEFLECTION OUTPUT	SIP13
LA7838	IC VERT DEFL OUTPUT CCT	SIP13
LA7841	INTEGRATED CIRCUIT	SIP07
LA7850	IC DEFLECTION CIRCUIT	DIP20
LA7851	IC DEFLECTION CIRCUIT	DIP20
LA7860	GO TO: LA7680	
LA7910	IC TV TUNER BAND SELECTOR	SIP09
LA7913	IC TV TUNER CONTROL	DIP16

## LB LC

LB1214	IC 7x TRANS ARRAY	DIP16
LB1416	IC LED DRIVER 5LEDS	DIP14G
LB1640	IC DIG MTR SPEED CONTR	SIL10
LB1641	IC BIDIRECTIONAL MTR DRIVE	SIP10
LB1648	IC DUAL BIDIREC MTR DRIVE	DIP12K
LC7535	INTEGRATED CIRCUIT	DIP22
LC7818	IC ANALOG FUNCTION SW	MDIP30



# SEMI CONDUCTORS

## LM

LM308N	IC 1xOPAMP 3-18V 1MHz	DIP8
LM317T	VOLT REG 1.2-37V 1.5A	T0220
LM318N	IC SINGLE BIPOLAR OPAMP	DIP8
LM324	IC OPAMP 4x30V 1MHz	DIP14
LM337T	VOLT REG 1.2-37V 1.5A	T0220
LM338K	VOLT REG 1.2-32V 5A	T03
LM339N	IC V-COMP 4x36V 1.3us	DIP14
LM340T-12	GO TO: MC7812	
LM340T-15	GO TO: MC7815	
LM340T-5	GO TO: MC7805	
LM358N	IC OPAMP 2x32V 1MHz 0.3V	DIP8
LM380-8P	IC AUDIO AMP 18V	DIP8
LM386N	IC AUDIO AMP 1x0.33W 6V	DIP8
LM387N	IC LOW NOISE DUAL PREAMP	DIP8
LM393A	IC V-COMP 2x 36V 1.3us	DIP8
LM393N	GO TO: LM393A	
LM393P	GO TO: LM393A	
LM431C	GO TO: HA17431P	
LM555CN	IC RC TIMER 1x16V 500KHz	DIP8
LM567	IC TONE/FREQ DECODER	DIP8
LM733CN	IC VIDEO AMP 10V 120MHZ	DIP14
LM833	IC 2xAUDIO OPAMP 36V	DIP8
LM1011N	GO TO: NE645B	
LM1203N	IC RGB VIDEO AMP 12V 70MHz	DIP28
LM1207N	IC TRIPLE VIDEO AMP	DIP28
LM1875T	IC 1X25W 25V 0.02% AUDIO AMP SQL5	
LM2005	GO TO: TDA2005	
LM2902N	IC OPAMP 4x30V 1MHz EXT TEM	DIP14
LM2904N	IC OPAMP 2x32V 1MHz EXT TEM	DIP8
LM7001	IC AM/FM PLL REC SYSTEM	DIP16

## M

M34300-012SP	IC CPU 4B 128B RAM 1K ROM	MDIP42
M50431-101SP	IC MICROPROCESSOR	MDIP42
M50436-560SP	IC MICROPROCESSOR	MDIP52
M5143P	IC TV TON ZF	DIP14
M5183P	IC TV VIDEO ZF+AGC	DIP14
M5193	IC CTV NTSC RGB SIGNAL	DIP22
M5194	IC CTV PAL CHROMA	DIP22
M5218L	IC DUAL AF AMP	SIP8
M5236L	GO TO: M5237L	
M5237L	IC AP V-REG 1.2-33V	T092M
M51308SP	IC PAL VIDEO CHROMA	MDIP32
M51310AP	IC VIDEO CHROMA	MDIP48
M51358P	IC CTV AFT	DIP16
M51365SP	IC PLL-SPLIT VIF/SIF	MDIP30
M51366SP	IC PLL-SPLIT VIF/SIF	MDIP30
M51387P	IC RGB VIDEO AMP 50MHz	DIP30
M51390ASP	INTEGRATED CIRCUIT	
M51393AP	IC CTV PAL CHROMA	DIP30
M51782ASP	IC SHARP VIDEO MOTOR	
M51977P	IC SMPS CIRCUIT	DIP16
M51995P	INTEGRATED CIRCUIT	DIP16
M52340SP	INTEGRATED CIRCUIT	MDIP52
M52440ASP	IC CAPSTAN MOTOR SHARP	
M52770ASP	IC	

M54514P	IC TR ARRAY	DIP16
M54543L	IC BI-DIR MOTOR+BRAKE 12V	SIL9
M54544L	IC BI-DIR MOTOR+BRAKE 12V	SIL9
M54548L	IC BI-DIR MOTOR+BRAKE 16V	SIP12
M54644BL	IC BI-DIR MOT DR 16V 2A	SIP9
M56730ASP	IC MOTOR DRIVER	SDIP32
M58653P	IC 50x14 BIT	DIP14
M58653SP	GO TO: M58653P	
M58655P	IC EPROM 64x16 20us	DIP14
M58658P	IC EPROM	DIP14

## MA MB

MA27W-A	DIODE 0.1A 36V 3mA	D034
MA162	DIODE SI 75V 0.1A	D034
MA165	GO TO: 1N4148	
MA185	DIODE SI 250V 0.2A	D034
MA1050	IC SMPS CONTROL	ISQP7
MA2120	GO TO: 1Z12V	
MA2200B	DIODE REF 20V 16PPM 1W	D041
MA4300	DIODE 30V 24PPM 5%	D034
MAH1202	GO TO: AH1202	
MB2D	GO TO: RC3D	
MB3732	IC POWER AMPLIFIER	SIP7
MB88301A	IC DAC 1x13 BIT + 3x6 BIT	DIP16
MB88303M	IC AKAI VIDEO CHARACTER	DIP22
MC1327	IC CTV RGB MATRIX	DIP14
MC1350P	INTEGRATED CIRCUIT	
MC1358P	GO TO: LA1365	
MC1458	IC OPAMP 2x36V 1MHz 0.8V	DIP8
MC1488P	IC 4xRS232 DRIVER	DIP14
MC3423	IC POWER SUPPLY	DIP8
MC4558C	GO TO: JRC4558C	
MC4558S	GO TO: JRC4558S	
MC44603P	IC SMPS I+V M 250KHz	
MC44604P	INTEGRATED CIRCUIT	

## MC series - Voltage regulator

MC7805	V-REG POSITIVE 5V	T0220
MC7806	V-REG POSITIVE 6V	T0220
MC7808	V-REG POSITIVE 8V	T0220
MC7809	V-REG POSITIVE 9V	T0220
MC7812	V-REG POSITIVE 12V	T0220

**Tip:** *If 12V positive regulator with 4 legs use PQ12RF11*

MC7815	V-REG POSITIVE 15V	T0220
MC7818	V-REG POSITIVE 18V	T0220
MC7824	V-REG POSITIVE 24V	T0220
MC7905	V-REG NEGATIVE 5V	T0220
MC7906	V-REG NEGATIVE 6V	T0220
MC7908	V-REG NEGATIVE 8V	T0220
MC7909	V-REG NEGATIVE 9V	T0220
MC7912	V-REG NEGATIVE 12V	T0220
MC7915	V-REG NEGATIVE 15V	T0220
MC7918	V-REG NEGATIVE 18V	T0220

**Tip:** *If regulators start with MC78T or MC79T, you can use above series*



THERE ARE NO GUARANTEES THAT THESE UNIVERSAL TYPE SEMI-CONDUCTORS WILL WORK IN EVERY UNIT. SOME MAY NEED ORIGINAL REPLACEMENT.

# SEMI CONDUCTORS

*ordercode                    description                    package*

## MD MJ

MDA2062                    I.C. Goldstar/Kambrook Only                    DIP14  
MDA2062-T                    I.C. TEAC TV only 14" and 20"                    DIP14

**Tip:** *MDA2062-T - If TV set is 28 inches order original by model number*

MJ802	TR SI-N 90V 30A 200W	T03
MJ2500	GO TO: MJ2501	
MJ2501	TR P-DARL 80V 10A 150W	T03
MJ2955	TR SI-P 100V 15A 150W 4MHz	T03
MJ4502	TR SI-P 100V 30A 200W	T03
MJ15002	GO TO: MJ15004	
MJ15003	TR SI-N 140V 20A 250W 3MHz	T03
MJ15004	TR SI-P 140V 20A 250W 3MHz	T03
MJ15022	TR SI-N 350/200V 16A 250W	T03
MJ15024	TR SI-N 250V 16A 250W	T03
MJ15025	TR SI-P 400V 16A 250W 4MHz	T03
MJE295	GO TO: MJE2955T	
MJE305	GO TO: MJE3055T	
MJE2801	GO TO: MJE3055T	
MJE2901	GO TO: MJE2955T	
MJE2955	GO TO: MJE2955T	
MJE2955T	TR SI-P 70V 10A 90W	T0220
MJE3055	GO TO: MJE3055T	
MJE3055T	TR SI-N 70V 10A 90W	T0220
MJE13005	TR SI-N 300V 8A 75W	T0220
MJE13006	GO TO: MJE13007	
MJE13007	TR SI-N 400V 8A 80W	T0220
MJE15030	TR SI-N 150V 8A 50W	T0220
MJE15031	TR SI-P 150V 8A 50W	T0220

## MN MP MT

MN1220	IC EPROM 64* 10 10us	DIP16
MN1228	IC EPROM 256x16 10us	DIP18
MN15245KWC	IC MICROPROCESSOR+ROM	MDIP42
MN2488	IC SONY	
MP1620	IC SONY	
MTW8N60E	TRANSISTOR	

## NE NJM

NE545B	IC DOLBY	DIP16
NE555C	GO TO: LM555CN	
NE558C	IC RC TIMER 4x16V	DIP16
NE645B	IC DOLBY	DIP16
NE646N	IC DOLBY	DIP16
NE5532P	IC OPAMP 2x44V (NE5532N)	DIP8
NE5534N	IC OPAMP 1x44V 10MHz	DIP8
NJM2352D	IC SWITCHING REGULATOR	DIP8
NJM4556D	GO TO: JRC4556D	
NJM4558C	GO TO: JRC4558C	
NJM4558D	GO TO: JRC4558C	
NJM4558S	GO TO: JRC4558S	
NJM7815A	GO TO: MC7815	

## O

OA90	DIODE GE 20V 8mA/45mAp	D07
OA91	GO TO: OA95	
OA95	DIODE GE 115V 50mA/0.15Ap	D07
OM8361	IC TEAC	MDIP52

## PB series - Bridge Rectifiers

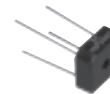
PB154M	BRIDGE RECT - 1.5 AMP 400V
PB157M	BRIDGE RECT - 1.5 AMP 600V



PBL407	BRIDGE RECT - 4 AMP 600V
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PBPC1004	BRIDGE RECT - 10 AMP 400V
PBPC1007	BRIDGE RECT - 10 AMP 1000V
PBPC304	BRIDGE RECT - 3 AMP 400V
PBPC307	BRIDGE RECT - 3 AMP 1000V
PBPC604	BRIDGE RECT - 6A 400V
PBPC804	BRIDGE RECT - 8 AMP 400V
PBPC807	BRIDGE RECT - 8 AMP 1000V



PBU1004	BRIDGE RECT - 10 AMP 400V
PBU1007	BRIDGE RECT - 10 AMP 1000V
PBU404	BRIDGE RECT - 4 AMP 400V
PBU407	BRIDGE RECT - 4 AMP 1000V
PBU604	BRIDGE RECT - 6 AMP 400V
PBU607	BRIDGE RECT - 6 AMP 400V
PBU804	BRIDGE RECT - 8 AMP 400V
PBU807	BRIDGE RECT - 8 AMP 1000V



## PC

PC111S	OPTO COUPLER	
PC113	OPTO COUPLER	
PC123	OPTO COUPLER	
PC816	OPTO COUPLER	
PC817	OPTO COUPLER	
PCA84C440P-401	GO TO: PCA84C640P/030	
PCA84C640P/030	IC CPU 8B 10MHz 6KROM	MDIP42
PCA84C640P-019	GO TO: PCA84C640P/030	
PCA84C641P/068	IC CPU 8B 10MHz 6KROM	MDIP42
PCA84C841P/259S1	GO TO: 13310035333	
PCF8570P	IC SRAM 256x8 CMOS 12C	DIP8
PQ12RF11	V-REG 12V - 4 LEGS	
PS2561	PHOTO COUPLER	DIP4

## R

R2K	PROTECTION DIODE 170V	
R2KN	DIODE PROTECTION 140V 1A	D0201



# SEMI CONDUCTORS

R2KY PROTECTION DIODE 130V 1A D0201  
 R2M GO TO: RH-EX0152CEZZ  
 RC3D DIODE SANYO  
 RFP50N06 GO TO: IRFZ44

## RH - Sharp Original series

RH1B or RH1C GO TO: RH-DX0072TAZZ  
 RH-DX0072TAZZ DIODE - SHARP ORIGINAL D0201  
 RH-DX0123CEZZ GO TO: RH-DX0072TAZZ  
 RH-EX0152CEZZ DIODE PROTECTION 160V D0201  
 RH-IX0134GEZZ IC SHARP  
 RH-IX0206CEZZ IC SHARP  
 RH-IX0308CEZZ IC SHARP

**Tip:** *RH-IX0308CEZZ - buy as a kit partcode: IX0308-KIT*

RH-IX0322GEZZ IC SHARP  
 RH-IX0689CEZZ GO TO: RH-IX0731CEZZ  
 RH-IX0731CEZZ IC SHARP  
 RH-IX1082CEZZ IC SHARP  
 RH-IX1703CEN1 IC SHARP  
 RS3FS DIODE TV DAMPER 1500V 2A  
 RU-2 DIODE 600V 1A D035

## S

S1WBA60S BRIDGE RECTIFIER 7.6mm 600V  
 S2000A TRANSISTOR  
 S2000A3 GO TO: BU2508AX  
 S2000AF GO TO: S2000N  
 S2000N TR SI-N 1500V 8A 50W 0.7us ISOJ04  
 S2055 GO TO: BU508D  
 S2055AF GO TO: BU508AF  
 S2055N TR SI-N+D 1500V 8A 50W 0.3us ISOJ04  
 S2530A TR SI-N TV-SN 1000V 10A 100W T03  
 S3786 "TRANSISTOR 20"" AND UNDER" T03  
 S3786L TR 22 INCH AND OVER SANYO T03

**Tip:** *S3786 & S3786L - diodes sold separately Part number: RC3D*

S431C GO TO: HA17431P  
 S5295 GO TO: BA159

## SA

SAA1293-02 IC  
 SAA1293-03 IC TV REMOTE CNTRL REC V DIP40

**Tip:** *SAA1293-03 - also replace MDA2062-T if it doesn't fix the problem*

SAA5231 IC TXT VIDEO PROCESSOR DIP28  
 SAB3035 IC TUNING FREQ SYNTH DIP28

## SC SE SG SI

SC141D TRIAC 6A 400V (B40006R4) T0220  
 SC151D TRIAC 15A 400V T0220  
 SE115N TRANSISTOR T0220  
 SE140 TRANSISTOR T0220  
 SG3842 GO TO: UC3842N  
 SG608 GO TO: SG613  
 SG613 THYRISTOR SONY T066  
 SI3120C VOLT REG 12V 1.5A 18W ISQL05

SI3122V VOLT REG 12V 2A 50W SOT93  
 SI6900 IC SHARP

## SM SR SS ST

SMR40200C GO TO: KIT-TVSMPS-1  
 SR2M GO TO: R2KY  
 SS7698P GO TO: TA7698AP  
 ST24C02AB1 GO TO: 13310242131  
 ST6356 IC TEAC TV MDIP40  
 STA321A TR SI-P 60V 3A 3W SIP8  
 STA341M TR SI P/N ARRAY 30V 1A SIP8  
 STA451C TR N-ARRAY 2x60V 3A SIP10  
 STH12N60FI TRANSISTOR

## STK

STK0025 GO TO: STK0050  
 STK0029N IC POWER AMP SIP10  
 STK0030 GO TO: STK0050  
 STK0039 GO TO: STK0040  
 STK0040 GO TO: STK0050  
 STK0050 IC POWER AMP SIP10  
 STK0055,0059 GO TO: STK0080  
 STK0060 GO TO: STK0080  
 STK0080 IC POWER AMP 1x80W 65V SIP10  
 STK0177 GO TO: STK0080  
 STK075 GO TO: STK0080  
 STK075G IC POWER AMP 15W 28V SIP10  
 STK077 GO TO: STK0080  
 STK077G IC POWER AMP 20W 32V SIP10  
 STK078 GO TO: STK0080  
 STK080 IC POWER AMP 30W 27V SIP10  
 STK350-030 IC - SONY  
 STK350-230 IC SONY  
 STK402-040 INTEGRATED CIRCUIT

**Tip:** *STK402-040 - Original also available see: VHISTK40270N1*

STK402-070 GO TO: VHISTK40270N1  
 STK402-071N GO TO: VHISTK40271-1  
 STK405-070A IC POWER AMPLIFIER  
 STK407-040 GO TO: VHISTK40704-1  
 STK411-220E IC  
 STK411-230E IC  
 STK411-240E IC  
 STK433 IC POWER AMP 2x5W 23V SIP15  
 STK435 IC POWER AMP 2x7W 27V SIP15  
 STK437 IC POWER AMP 2x12W 35V SIP15  
 STK439 IC POWER AMP 2x15W 39V SIP15  
 STK441 IC POWER AMP 2x20W 44V SIP15  
 STK443 IC POWER AMP 2x25W 49V SIP15  
 STK457 IC POWER AMP 2x25W 26V SIP16  
 STK459 GO TO: STK463  
 STK460 GO TO: STK461  
 STK461 IC POWER AMP 2x20W 23V SIP16  
 STK463 IC POWER AMP 2x20W 26V SIP16  
 STK465 IC POWER AMP 2x30W 28V SIP16  
 STK730-060 GO TO: STK730-080  
 STK730-080 IC SWITCHING REG 110W SIP11



RING (03) 9376 1333 AND CHOOSE OPTION 2  
 FOR BACKORDER QUERIES OR RETURN AND CANCELLATION REQUESTS.



# SEMI CONDUCTORS

ordercode	description	package
<b>STK</b>		
STK1070	IC POWER AMP 70W 43V	SIP10
STK2030	IC POWER AMP	SIP16
STK2240	GO TO: STK2250	
STK2250	IC POWER AMP 2x50W 37V	SIP16
STK3044	IC POWER AMP	SIP15
STK3082-2	IC PRE AMP 65V	SIP15
STK4032-2	IC POWER AMP 40W 32V	SIP15
STK4042-2	IC POWER AMP 80W 45V	SIP15
STK4042-XI	GO TO: STK4042-2	
STK4121-2	IC POWER AMP 2x15W 20V	SIP18
STK4122-2	IC POWER AMP 2x15W 20V	SIP18
STK4131	GO TO: STK4131-2	
STK4131-2	IC POWER AMP 2x20W 23V	SIP18
STK4132-2	IC POWER AMP 2x20W 23V	SIP18
STK4141	GO TO: STK4141-2	
STK4141-2	IC POWER AMP 2x25W 26V	SIP18
STK4142-2	IC POWER AMP 2x25W 26V	SIP18
STK4151-2	IC POWER AMP 2x30W 27V	SIP18
STK4152-2	IC POWER AMP 2x30W 27V	SIP18
STK4161-2	IC POWER AMP 2x35W 30V	SIP18
STK4162-2	IC POWER AMP 2x35W 30V	SIP18
STK4171-2	IC POWER AMP 2x40W 32V	SIP18
STK4171-5	GO TO: STK4172-2	
STK4172-2	IC POWER AMP 2x40W 32V	SIP18
STK4182-2	IC POWER AMP 2x45W 33V	SIP18
STK4191-2	IC POWER AMP 2x50W 35V	SIP18
STK4191-5	IC POWER AMP 2x50W 35V	SIP18
STK4192-2	IC POWER AMP 2x50W 35V	SIP18
STK4278	IC	
<b>Tip:</b> <i>STK4278 - Use original when required for Sony &amp; Panasonic</i>		
STK4301	IC POWER AMP 2x22W 31V	SIP18
STK4352	IC POWER AMP 2x7W 27V	SIP15
STK4392	IC POWER AMP 2x15W 39V	SIP15
STK4803	IC POWER AMP 2x20W 24V	SIP16
STK4813	GO TO: STK4803	
STK5325	IC VCR REGULATOR 12+ 14V	SIP10
STK5331	IC VCR REGULATOR	SIP8
STK5337	IC 3 OUT VCR REG 12.3/6.1/5	SIP8
STK5338	IC 3 OUT VCR REGULATOR	SIP8
STK5339A	IC 3 OUT VCR REGULATOR	SIP8
STK5339B	IC 3 OUT VCR REGULATOR	SIP8
STK5340	IC VCR REGULATOR	SIP8
STK5372H	IC 3 OUT VCR EG 12.1/12/5	SIP8
STK5391	IC VCR REGULATOR	SIP9
STK5392	IC VCR REGULATOR	SIP9
STK5474	IC 3 OUT VCR REGULATOR	SIP10
STK5476	IC 3 OUT VCR REGULATOR	SIP12
STK5481	IC 4 OUT VCR REGULATOR	SIP12
STK5490	IC 4 OUT VCR REGULATOR	SIP12
STK6922	IC DC MOTOR DRIVER	SIP16
STK6962	IC DC MOTOR DRIVER	SIP7
STK7308	GO TO: STK7309	
STK7309	IC SWITCHING REG 80W	SIP13

STK7310	IC SWITCHING REG 100W	SIP13
STK7348	IC SWITCHING REG 80W	SIP9
STK40204	GO TO: VHISTK40270N1	
STK73410-2	IC SWITCHING REG 100W	SIP9

**Tip:** *STK7348 - Use original when required for Teac go to: VSTK7348*

STK73605	IC SWITCHING REG 40W	SIP8
STK73908	IC SWITCHING REG 210W	SIP11

## STR

STR371	VOLT-REG 115V 3.5A 25W	T03
STR450	GO TO: STR450A	
STR450A	VOLT-REG 115V 5A 25W	T03
STR451	VOLT-REG 103V 5A 25W	JAP01
STR455	VOLT-REG 110V 5A 25W	T03
STR456	VOLT-REG 112V 5A 25W	T03
STR1096	INTEGRATED CIRCUIT	JAP05
STR3015X	INTEGRATED CIRCUIT	JAP05
STR3105	IC HYBRID	JAP05
STR4090	GO TO: STR4090A	
STR4090A	INTEGRATED CIRCUIT	JAP05
STR4090L & S	GO TO: STR4090A	
STR5015	INTEGRATED CIRCUIT	JAP05
STR5412	VOLT-REG 112V 5A 40W	JAP05
STR6020	VOLT-REG 111V 4A 40W	JAP05
STR9012	VOLT-REG 12V 4A 75W	JAP05
STR10006	IC SMPS CONTROL	JAP01
STR11006	VOLT-REG 7.15V 0.8A 27W	JAP01
STR30125	VOLT-REG 125V 3.5A 27W	JAP01
STR40090	IC SWITCHING REG	JAP01
STR40115	IC SWITCHING REG	JAP01
STR41090	VOLT-REG 115V 6A 27W	JAP01
STR44115	INTEGRATED CIRCUIT	JAP05
STR50103A	VOLT-REG 130.4V 6A 27W	JAP01
STR50113-M-KIT	IC PANASONIC ORIGINAL	JAP01
STR50115A	IC	JAP01
STR50115B	VOLTAGE REGULATOR	JAP01
STR50213	VOLT-REG 113.3V 0.8A 27W	JAP01
STR51213	VOLTAGE REGULATOR	JAP01
STR54041	VOLT-REG 114.5V 6A 27W	JAP01
STR58041	VOLTAGE REGULATOR	JAP01
STR59041	VOLTAGE REGULATOR	JAP01
STR80145A	IC VOLT-DOUBLER 500V 5A	JAP01
STR81145A	IC VOLT-DOUBLER 500V 10A	JAP01
STR83145	INTEGRATED CIRCUIT	JAP01
STR90120	VOLTAGE REGULATOR	JAP01
STRD1706	INTEGRATED CIRCUIT	ISQL5
STRD1806	IC PANASONIC	ISQL5
STRD1806EA	IC PANASONIC	ISQL5
STRD1816	IC PANASONIC	ISQL5
STRD4412	INTEGRATED CIRCUIT	ISQL5
STRD5441	INTEGRATED CIRCUIT	ISQL5
STRD5541	IC SWITCHING REGULATOR	ISQL5
STRD6008X	INTEGRATED CIRCUIT	ISQL5
STRD6108	IC VOLTAGE REGULATOR	ISQL5
STRF6523	INTEGRATED CIRCUIT	ISQL5
STRF6524	INTEGRATED CIRCUIT	



# SEMI CONDUCTORS

STRF6653	INTEGRATED CIRCUIT	
STRF6654	IC	
STRF6656	IC	
STRG6153T	INTEGRATED CIRCUIT	
STRM6523	INTEGRATED CIRCUIT	ISQL07
STRM6559	VOLTAGE REGULATOR	ISQL09
STRM6821A	GO TO: VHISTRM6821-1	
STRS5717	VOLTAGE REGULATOR	ISQL09
STRS5741	INTEGRATED CIRCUIT	ISQL09
STRS5941	INTEGRATED CIRCUIT	ISQL09
STRS6307	INTEGRATED CIRCUIT	ISQL09
STRS6308	IC	ISQL09
STRS6309	VOLTAGE REGULATOR	ISQL09
STRS6707	IC SWITCHING REGULATOR	ISQL09
STRS6708	IC SWITCH REG (=STRS6708A)	ISQL09
STRS6708A	GO TO: STRS6708	
STRS6709	IC SWITCHING REGULATOR	ISQL09
STRS6709A	IC SWITCHING REGULATOR	ISQL09

**Tip:** *STRS series do not work in Sony equipment. Order originals*

STV9379A	IC V-DEFL BOOSTER 90V	SQL7
STV9379FA	IC (PHILIPS VERSION)	

## TA

TA7066P	IC PRE AMPLIFIER	SIP7
TA7161P	IC PAL CHROMA	DIP16
TA7179P	INTEGRATED CIRCUIT	DIP14
TA7205AP	INTEGRATED CIRCUIT	SIL10
TA7207P	INTEGRATED CIRCUIT	SIL10
TA7210P	INTEGRATED CIRCUIT	SIL12
TA7227P	INTEGRATED CIRCUIT	SIL12
TA7232P	IC POWER AMP 2x2.2W 12V	SIL12
TA7237P	IC POWER AMP 17W	SIL12
TA7240AP	IC POWER AMP 2x5.8W 18V	SIL12
TA7256P	IC DUALPOWER OPAMP 18V	SIL10
TA7267P	IC CV CCV STOP SHORT BRAKE	SIL7
TA7270	IC POWER AMP 2x5.8W 18V	SQL12
TA7273P	INTEGRATED CIRCUIT	SQL12
TA7280P	IC POWER AMP 2x5.8W 18V	SQL12
TA7282AP	IC POWER AMP 2x4.6W 15V	SIL12
TA7288	IC MOTOR CONTROL 9-25V	SIL10
TA7291S	IC MOTOR CONTROLLER	SIL9
TA7292P	IC POWER AMP 2x5.8W 18V	SIL12
TA7299P	IC POWER AMP 2x5.8W 18V	SQL12
TA7313P	INTEGRATED CIRCUIT	SIL9
TA7317P	IC LOUDSPEAKER PROTECTOR	SIL9
TA7343P	IC FM MPX DECODER	SIP9
TA7347P	IC AUDIO VIDEO SWITCH	SIP7
TA7348P	IC AUDIO VIDEO SWITCH	SIP9
TA7358AP	INTEGRATED CIRCUIT	SIP9
TA7378P	IC FM/TV RF-AMPLIFIER MIX	SIL9
TA7607AP	IC PIF + AFT REVERSE AGC	DIP16
TA7611AP	IC PIF + AFT FORWARD AGC	DIP16
TA7630P	IC TV TONE CONTROL	DIP16
TA7640AP	IC AM IF TUNER	DIP16
TA7668AP	IC DUAL PRE AMP + ALC	DIP16
TA7680AP	IC TV/VIDEO TONE AMP	DIP24

TA7698AP	IC CHROMA PAL	DIP42
TA7699	IC CHROMA PAL	DIP42
TA7769P	IC POWER AMP 2x11W 9V	DIP16
TA7784P	IC 2 CHANNEL AMP	DIP16
TA8200AH	IC POWER AMP 2x13W 37V	SQL12
TA8205AH	IC POWER AMP 2x15W 18V	SQL17
TA8210AH	IC POWER AMP 2x19W 18V	SQL17
TA8211AH	IC POWER AMP 2x6W 30V	SQL12
TA8211AL	GO TO: TA8211AH	
TA8215H	IC POWER AMP 2x15W 18V	SQL17
TA8216H	IC POWER AMP 2x13W 24V	SQL12
TA8221AH	IC POWER AMP 2x19W 18V	SIP17
TA8221AL	GO TO: TA8221AH	
TA8227P	IC POWER AMP 2x2.5W 12V	DIP12K
TA8229K	IC POWER AMP 2x2.5W 15V	SIP15
TA8238K	IC POWER AMP	SQL15
TA8251AH	IC POWER AMP	SQLP25
TA8256H	IC POWER AMP	DIP12K
TA8403K	IC CHIP CTV	SIP7
TA8410K	IC DUAL POWER AMP 9V 0.6A	SIL10
TA8424F	IC DC MOTOR DRIVER	S020
TA8427K	IC CTV	SIP7
TA8445K	IC CTV VERT DEFLECT SYSTEM	SIP12
TA8628N	IC 2 INPUT A/V SWITCH 2CH	SDIP24
TA8659AN	IC PAL DECODER	MDIP64
TA8690AN	IC PAL INTERFACE CIRCUIT	MDIP54
TA8691N	IC 1 CHIP CTV PAL SYSTEM	MDIP48
TA8701N	IC REV RF AUDIO GAIN CTRL	MDIP24
TA8718N	IC CHROMA PAL CONTROL	MDIP30
TA8759BN	INTEGRATED CIRCUIT	MDIP64
TA75458P	INTEGRATED CIRCUIT	DIP8
TA75902P	INTEGRATED CIRCUIT	DIP14
TA76431S	GO TO: HA17431P	
TAA550	GO TO: UPC574J	

## TB

TB1238AN	GO TO: 13310123814	
TBA120	IC FM/IF + DEMOD LC FILTER	DIP14
TBA120S	IC FM/IF + DEMOD NF-V	DIP14
TBA540	IC REFERENCE OSCILLATOR	DIP16
TBA800	IC POWER AMP 1x5W 30V	QIP12B
TBA810S	IC POWER AMP 1x7W 20V	QIP12A
TBA820-8P	IC POWER AMP 1x2W 16V	DIP8

## TC

TC9121P	IC RECORDER CONTROLLER	DIP24
TC9153AP	IC ELECT VOLUME CONTROL	DIP16
TC89101	IC EPROM 128x8	DIP8
TCA750	IC 3xTUNER STABILIZER +AFC	DIP16

## TD TDA

TD6301AP	IC LED/LCD FREQ DISPL DRIVER	DIP28
TD6360N	IC MULTI SYSTEM SERVO	MDIP42
TD62308AP	IC DIGITAL	DIP16
TDA1013A	IC 4W AUDIO AMP	SIL9
TDA1013B	IC POWER AMP 1x10W 40V	SIL9
TDA1015	IC PRE + POWER AMP 18V	SIL9



ALWAYS PROVIDE A MAKE, MODEL NUMBER, BOARD REFERENCE AND A BRIEF DESCRIPTION OF THE PART WHEN PLACING YOUR ORDERS

# SEMI CONDUCTORS

ordercode	description	package
<b>TDA</b>		
TDA1020	IC 12W AUDIO POWER AMP	SIL9
TDA1082	IC EAST WEST CORRECT	DIP16
TDA1170N	IC VERT DEFL	QIP12B
TDA1170N-TFK	GO TO: TDA1175	
TDA1170S	IC VERT DEFLECTION	QIP12B
TDA1175	IC VERT DEFLECTION	QIP12B
TDA1180P	IC TV HORIZ SYNCHR+OSC	DIP16
TDA1515A	GO TO: TDA1515AQ	
TDA1515AQ	IC POWER AMP 2x12W 18V	SQL13
TDA1516BQ	IC POWER AMP 2x12W 18V	SQL13
TDA1516Q	GO TO: TDA1516BQ	
TDA1517	IC POWER AMP 2x6W 18V	SIL9
TDA1518Q	IC POWER AMP 2x12W 18V	SQL13
TDA1519	IC POWER AMP 2x6W 18V	SIL9
TDA1519A	IC POWER AMP 2x11W 18V	SIL9
TDA1520A	IC POWER AMP 22W 33V	SILP9
TDA1520B	GO TO: TDA1520A	
TDA1521	IC POWER AMP 2x12W 21V	SILP9
TDA1521A	IC POWER AMP 2x6W 21V	SILP9
TDA1524A	IC STEREO TONE/VOL CONTR	DIP18
TDA1552Q	IC POWER AMP 2x22W 18V	SQL13
TDA1554Q	IC POWER AMP 2x22W	SQL17
TDA1557Q	IC POWER AMP 2x22W 18V	SQL13
TDA1558Q	IC POWER AMP 2x22W	SQL17
TDA1670	GO TO: TDA1675A	
TDA1670A	GO TO: TDA1675A	
TDA1675A	IC TV VERT DEFL +OSC	SQL15
TDA16846P	GO TO: 13TDA16846P	
TDA1771	IC VERTICAL DELFECTION IC	SIL10
TDA1870A	GO TO: TDA1675A	
TDA1872A	GO TO: TDA1675A	
TDA1904	IC 4W AUDIO AMPLIFIER	DIP16
TDA1905	IC 6W AUDIO AMP + MUTING	DIP16
TDA2002	INTEGRATED CIRCUIT	SQL5
TDA2003	IC AUDIO AMPL VERTICAL 10W	SQL5
TDA2004	IC STEREO AMPL 2x10W	SQL11
TDA2005	IC POWER AMP 1x20W 28V	SQL11
TDA2006	IC 12W AUDIO AMPLIFER	SQL5
TDA2007	IC POWER AMP 2x6W	SIL9
TDA2009A	IC 2x11W STEREO AMP	SQL11
TDA2030A	GO TO: TDA2030V	
TDA2030V	IC 18W 18V AUDIO AMP VERT	SQL5
TDA2040	IC AUDIO AMP 22W 4A 20V	SQL5
TDA2050V	IC AUDIO AMPLIFIER 25W	SQL5
TDA2052	IC POWER AMP 1x65W	SQL7
TDA2540	IC IF AMPL/DEMODO	DIP16
TDA2540Q	GO TO: TDA2540	
TDA2541	IC IF AMP/DEMODO	DIP16
TDA2541Q	GO TO: TDA2541	
TDA2560	IC TV PAL VIDEO+CHROMA	DIP16
TDA2560Q	GO TO: TDA2560	
TDA2577	IC TV HOR/VERT SYNC	DIP18
TDA2577A	IC TV HOR/VERT SYNC	DIP18
TDA2579	GO TO: TDA2579A	

TDA2579A	IC TV SYNC CIRCUIT 625 LINES	DIP18
TDA2579B	IC TV HA/VA COMB	DIP18
TDA2581Q	IC SMPS CONTROL TV	QIP16
TDA2590	IC	DIP16
TDA2593	IC	DIP16
TDA2595	IC HORIZ COMB	DIP18
TDA2611A	IC POWER AMP 1x10W 35V	SIL9
TDA2615	INTEGRATED CIRCUIT	SIL9
TDA2653A	IC VERT DEFLECTION CIRCUIT	SQL13
TDA2760	INTEGRATED CIRCUIT	DIP24
TDA2790	IC TV FM DEM	DIP16
TDA2822M-8P	IC 1W LOW VOLT AMP	DIP8
TDA3504	IC VIDEO CONTROL COMB	DIP20
TDA3505	IC VIDEO CONTROL COMB	DIP28
TDA3561A	IC TV PAL DECODER	DIP28
TDA3562A-TFK	IC TV PAL DECODER	DIP28
TDA3565	IC TV PAL DECODER	DIP18
TDA3566A	IC TV PAL DECODER	DIP28
TDA3590A	IC TV SECAM/PAL TRANSCODER	DIP24
TDA3650	IC CTV VA-O VA-E	SQL13
TDA3651	GO TO: TDA3653B	
TDA3651A	IC VERT DEFL+GUARD	SILP9
TDA3651AQ	IC VERT DEFL+GUARD	SQLP9
TDA3652	GO TO: TDA3652AQ	
TDA3652AQ	GO TO: TDA3654Q	
TDA3653B	IC VERT DEFL + GUARD 10-40V	SIL9

**Tip:** *When used in Teac TV's check Electrolytics in power supply*

TDA3654	IC VERT DEFL + GUARD	SIL9
TDA3654Q	IC VERT DEFL + GUARD	SQL9

**Tip:** *If used in Samsung TV, replace heatsink partcode: KIT-TVHSINK-1*

TDA3800	IC STEREO/DUAL SOUND PROC	DIP28
TDA3800GS	IC STEREO/DUAL SOUND PROC	DIP28
TDA3803A	IC STEREO/DUAL SOUND PROC	DIP28
TDA4500	IC SIGNAL COMB B/W TV	DIP28
TDA4501	IC SIGNAL COMB COLOUR TV	DIP28
TDA4505E	IC TV SIGNAL/SOUND PROC	DIP28
TDA4510	IC TV PAL DECODER	DIP16
TDA4565	IC CHROMA VIDEO CTI	DIP18
TDA4580	IC VTR CONTROL COMB	DIP28

**Tip:** *TDA4580 if Philips 2BS chassis use TDA4580/V7*

TDA4580/V7	IC VTR CONTROL COMB	DIP28
TDA4600	GO TO: TDA4601	
TDA4600-2	IC SMPS CONTROL	SIL9
TDA4601	IC SMPS CNTRL 350W	SIL9
TDA4601D	IC SMPS CNTRL 350W	DIP18
TDA4605	GO TO: TDA4605-3	
TDA4605-2	GO TO: TDA4605-3	
TDA4605-3	IC SMPS COTROL 200kHz	DIP8
TDA4610	IC EAST WEST CORRECTION	SIL9
TDA4650	IC CTV PAL/SECAM	DIP28
TDA4661	IC VCR CMOS DELAY LINE	DIP16
TDA4665	GO TO: TDA4661	
TDA4800	IC VERTICAL DEFL CIRCUIT	SQL13

**Tip:** *TDA4850 if Philips 2BS order original from Philips*



# SEMI CONDUCTORS

TDA4858	IC ECON AUTOSYNC DEFL	MDIP32
TDA4860	IC V-DEFL AMPLIFIER	SIL9
TDA4866	IC V-DEFL AMPLIFIER	SIP9
TDA4950	IC E/W PARABOLIC SQ CRT	DIP8
TDA6101Q	IC VIDEO AMP 8MHz	SIL9
TDA6103Q	IC VIDEO AMP	SQL9
TDA6107Q	INTEGRATED CIRCUIT	SQL9
TDA6108JF	IC	
TDA6111Q	IC VIDEO OUTPUT AMP 16MHz	
TDA7052	IC POWER AMP 1x1W 18V	DIP8
TDA7052A	IC	DIP8
TDA7056	IC POWER AMP 1x5W	SIL9
TDA7057Q	IC POWER AMP 2x3W 18V	SQL13
TDA7073A	IC DUAL POWER DRIVER	DIP16
TDA7240	IC 20W BRIDGE AMPLIFIER	SQL7
TDA7262	IC POWER AMP 2x20W	SQL11
TDA7294	IC POWER AMP 2x100W	SQL15
TDA7295	IC POWER AMP 2x80W 40V	SQL15
TDA7375	IC POWER AMP 4 BRIDGE	SQL15
TDA7384A	IC POWER AMP 4x25W	SQL25
TDA8133	VOLT REG 5.1+8V DISABLE	SIL9
TDA8138	IC	SQL7
TDA8139	VOLT REG 5.1+12V 1A	SIL9
TDA8140	IC DEFL POWER TRANS DR	DIP16
TDA8145	IC E/W CORRECTION	DIP8
TDA8170	GO TO: TDA8171	
TDA8171	IC V-DEFL AMP 40V 2.5A INTRE	SQL7
TDA8172	IC V-DEFL AMPLIFIER 35V 2.5A	SQL7
TDA8213	IC VIDEO IF+DC VOL CONTROL	DIP20
TDA8214B	IC - TEAC TV (CHECK CAP'S IN P/SUPPLY)	
TDA8217	IC PAL DECODER/VIDEO PROC	DIP20
TDA8305A	IC CTV SMALL SIGN COMB	DIP28
TDA8350Q	IC DC COUPLED VERT DEFL	SQP13
TDA8351	IC VERT DEFL AMPLIFIER	SIP9
TDA8354Q	INTEGRATED CIRCUIT	SQLP13
TDA8356	IC VERT DEFL AMPLIFIER	SIP9
TDA8361	IC - PHILIPS (TDA8361AN3)	MDIP52
TDA8361EN5	IC TV SUBSYSTEM & SYSTEM	MDIP52
TDA8361N3	GO TO: TDA8361N5	
TDA8361N5	IC ONE CHIP PAL/NTSC TV	MDIP52
TDA8362	IC 1-CHIP MULTISTANDARD CTV	MDIP52

**Tip:** *TDA8362 if used in Sharp use original or Philips use TDA8362EN2*

TDA8362EN2	IC	MDIP52
TDA8370/V3	IC TV/VIDEO SYNC	DIP28
TDA8375	INTEGRATED CIRCUIT	MDIP56
TDA8376	IC ONE CHIP MULTISTD 12C-BU	MDIP52
TDA8380	IC PWM CONTROL	DIP16
TDA8380A	INTEGRATED CIRCUIT	DIP16
TDA8415	GO TO: TDA8417	
TDA8416	IC TV SYSTEM SUPPORT	DIP20
TDA8417	IC TV&VCR SOUND PROC	DIP20
TDA8425	IC SOUND PROC SPATIAL	DIP20
TDA8442	IC CTV DEC BUS INTERFACE	DIP16
TDA8560Q	IC POWER AMP 2x40W 18V	SQL13
TDA8561Q	IC POWER AMP 2x24W	SQL17
TDA8562Q	IC POWER AMP 4x12W	SQL17
TDA8568Q	IC POWER AMP 4x16W 14.4V	SQL23

TDA8844	IC (TDA8844/N2 S1)	
TDA9102C	IC H/V DEFL PR FOR MONITOR	DIP20
TDA9103	IC H/V DEFL PR FOR MONITOR	MDIP42
TDA9302H	IC VERTICAL DEFL AMP	SQL7

## TEA

TEA1014	IC CTV SCART INTERFACE	DIP14
TEA1039	IC PWM CONTROL	SIL9
TEA2014	IC VIDEO SIGNAL SWITCH	DIP8
TEA2025	IC STEREO AMP 1W	DIP16
TEA2025B	GO TO: TEA2025	
TEA2028	IC DEFLECT + SMPS PROC	DIP28
TEA2031A	IC E/W PARABOLIC SQUARE	DIP8
TEA2164	IC SMPS CONTROL	DIP16
TEA2165	IC SMPS CONTROL	DIP16
TEA2260	IC	DIP16
TEA2261	IC SMPS CONTROL	DIP16
TEA5101A	GO TO: TEA5101B	
TEA5101B	IC TV RGB AMPLIFIER	SQL15
TEA5114A	IC 2xRGB SWITCH	DIP16
TEA5170	IC SMPS CONTROL TV	DIP8
TEA5570	IC AM CAR RADIO RECEVIER	DIP16

## TIP

TIP101	GO TO: TIP102	
TIP102	TR N-DARL 100V 8A 80W	T0220
TIP105/TIP106	GO TO: TIP107	
TIP107	TR P-DARL 100V 15A 80W	T0220
TIP110/TIP111	GO TO: TIP112	
TIP112	TR N-DARL 100V 2A 50W	T0220
TIP120/TIP121	GO TO: TIP122	
TIP122	TR N-DARL 100V 5A 65W	T0220
TIP125	GO TO: TIP127	
TIP127	TR P-DARL 100V 5A 65W	T0220
TIP135/TIP136	GO TO: TIP137	
TIP137	TR P-DARL 100V 8A 70W	T0220
TIP140/TIP141	GO TO: TIP142	
TIP142	TR N-DARL 100V 10A 125W	T0220
TIP145/TIP146	GO TO: TIP147	
TIP147	TR P-DAQRL+DI 100V 10A 125W	T0220
TIP29A,B & C	GO TO: BD239C	
TIP30A,B & C	GO TO: BD242C	
TIP31A,B & C	GO TO: BD241C	
TIP32A, B & C	GO TO: BD242C	
TIP34C	TR SI-P 100V 10A 80W	SOT93
TIP35C	TR SI-N 100V 25A 125W	SOT93
TIP36C	TR SI-P 100V 25A 125W	SOT93
TIP41C	TR SI-N 100V 6A 65W	T0220
TIP42C	TR SI-P 140V 6A 65W	T0220
TIP54C	TR SI-N 500V 3A 100W	SOT93
TIP2955	TR SI-P 100V 15A 90W	SOT93
TIP3055	TR SI-N 100V 15A 90W	SOT93



WE ARE ALWAYS EXPANDING OUR STOCK RANGE, SO ENQUIRE WITH OUR SALES DEPARTMENT ON PARTS NOT CURRENTLY LISTED.

# SEMI CONDUCTORS

<i>ordercode</i>	<i>description</i>	<i>package</i>
<b>TL TM TO</b>		
TL072	IC DUAL LOW NOISE OPAMP	DIP8
TL074	IC QUAD LOW NOISE OPAMP	DIP14
TL081CN	IC 1x OPAMP 5-18V	DIP8
TL082	IC DUAL STANDARD OPAMP	DIP8
TL431CP	GO TO: HA17431P	
TL494CN	IC PWM CONTROL IC	DIP16
TLP621	OPTO COUPLER	
TLP632	OPTO COUPLER	
TLP721	OPTO COUPLER	
TLS1233	INTEGRATED CIRCUIT	DIP20
TMP47C434N3537	IC CPU	MDIP42
TMP47C634N	IC CPU	MDIP42
TOP202YAI	TR OFF-LINE PWM 30-60W	T0220
TOP225YAI	TR OFF-LINE PWM	

## U

U2829B-TFK	IC 2x FM IF SOUND DEMOD	DIP16
UC3842AN	IC PWM I-CONTROL 5V	DIP8
UC3842N	IC PWM I-CONTROL 5V	DIP8
UC3843	IC PWM I-CONTROL 5V	DIP8
UC3844	IC PWM I-CONTROL 5V	DIP8
ULN2003	IC 7xN-DR 50V 0.5A	DIP16
ULN2803A	IC 8xN-DR 50V 0.5A	DIP18

## UPC

UPC574J	IC REF DIODE 33V FOR TUNER	T092
UPC1018C	IC AM TUNER AM/FM IF AMP	DIP16
UPC1188H	IC 20W POWER AMPLIFIER	SILP10
UPC1212C	IC 1W POWER AMP	DIP8
UPC1213C	IC 2.4W POWER AMP	DIP8
UPC1222C	IC AM TUNER AM/FM	DIP16
UPC1225H	IC 30-50W POWER AMP DRIVER	SIL12
UPC1228H	IC DUAL PRE AMP	SIP8
UPC1237H	IC POWER AMPLIFIER	SIP8
UPC1238	IC 10W POWER AMPLIFIER	17/5Pin
UPC1278H	IC NF-E 20V 2x2.5W	SIL12
UPC1288V	INTEGRATED CIRCUIT	SQL14
UPC1313HA	IC DUAL CHANNEL PREAMP	SIP9
UPC1316	IC DUAL 1.2W POWER AMP	SQL14
UPC1318	IC POWER AMP 2x23W	SQL14
UPC1362C	IC TV SENSOR	DIP20
UPC1377C	IC HORIZ/VERT DEFLECTION	DIP22
UPC1378H	IC TV	SIP7
UPC1394C	IC SWITCHING REGULATOR	DIP14
UPC1403CA	IC CTV	MDIP48
UPC1406HA	IC DUAL ATTENUATOR	SIP9
UPC1420CA	IC COLOR DEMODULATOR	MDIP48
UPC1470	IC MOTOR SPEED REGULATOR	14/4Pin
UPC1488H	IC VERTICAL DEFLECTION	SIL9
UPC1490HA	IC INFRARED TRANSM REC	SIL8
UPC1498H	IC CTV VA-E	SIL8
UPC1525C	INTEGRATED CIRCUIT	DIP22
UPC2581V	INTEGRATED CIRCUIT	
UPD1937C	IC IR REMOTE RECEIVER	DIP16

UPD1986C	IC IR TRANSMITTER	DIP16
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## V

VHICAT93C46-1	IC	
VHISTK40204-1	GO TO: VHISTK40270N1	
VHISTK40270N1	IC	
VHISTK40271-1	IC	
VHISTK40704-1	IC	
VHISTRM6821-1	IC	
VSTK7348	IC	

