

**S I E R R A  
E L E C T R O N I C S**



DARLINGTON  
POWER PACK  
STK-0080

STR-  
50103  
0724A



D1880  
9H2



STK463  
STEREO AMPLIFIER

MN2488  
860

**F U L L L I N E P R O D U C T C A T A L O G**

|   |  |
|---|--|
|    | <b>Flyback Transformers</b> .....43-45<br><i>Flybacks</i>      |
|    | <b>Fuses</b> .....61<br><i>Fusibles</i>                        |
|    | <b>Gears</b> .....46<br><i>Engranos</i>                        |
|    | <b>Headphones</b> .....58<br><i>Audifonos</i>                  |
|    | <b>High Voltage Block</b> .....45<br><i>Block Alto Voltage</i> |
|    | <b>Lamps &amp; LED's</b> .....62<br><i>Foco Leds</i>           |
|    | <b>Magnetrons</b> .....50<br><i>Magnetrones</i>                |
|    | <b>Microphones</b> .....59-60<br><i>Microfonos</i>             |
|  | <b>Motors</b> .....46<br><i>Motores</i>                        |
|   | <b>Multi Testers</b><br><i>Multimetros</i>                     |
|   | <b>Digital</b> .....55<br><i>Digital</i>                       |
|  | <b>Analog</b> .....56<br><i>Analogico</i>                      |
|  | <b>Optical CD Heads</b> .....47-48<br><i>Opticos</i>           |
|  | <b>Power Cords</b> .....61<br><i>Extensiones</i>               |
|  | <b>Remote Controls</b> .....57<br><i>Control Remoto</i>        |



**Adapters** .....61  
*Eliminadores*

**Audio And Video Accessories**  
*Accesorios Audio Y Video*



**Adapters** .....68  
*Adaptadores*



**Cables** .....70  
*Cables*



**Coaxial Connectors** .....69  
*Conectores Coaxiales*



**Jacks** .....68  
*Jacks*



**Plugs** .....67  
*Plugs*



**Switches** .....65-66  
*Switches*



**Video Splitters & Switches** .....70  
*Divisores Y Switches Para Video*



**Antennas** .....71  
*Antenas*



**AudioTape Heads** .....46  
*Cabezas De Audio*



**Belts**.....51-52  
*Bandas*



**Capacitors** .....41-42  
*Capacitores*



**Eproms** .....40  
*Eproms*



**Fans**.....62  
*Ventiladores*

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| <b>2N</b>   |            |           |
| 2N176       | MOTOROLA   | 104       |
| 2N1711      | MOTOROLA   | 128       |
| 2N2102      | MOTOROLA   | 128       |
| 2N2218      | MEV        | 128       |
| 2N2219      | MEV        | 128       |
| 2N2222A     | SAMSUNG    | 123A      |
| 2N2388      | ST         | 123A      |
| 2N2369      | MOTOROLA   | 123A      |
| 2N2405      | MOTOROLA   | 2347      |
| 2N2646      | MEV        | 6401      |
| 2N2647      | MEV        | 6409      |
| 2N2904      | MOTOROLA   | 129       |
| 2N2905      | MOTOROLA   | 129       |
| 2N2906      | MOTOROLA   | 129P      |
| 2N2907A     | MEV        | 129P      |
| 2N2907P     | KEC        | 129P      |
| 2N3019      | MOTOROLA   | 396       |
| 2N3053      | MOTOROLA   | 128       |
| 2N3054      | MOTOROLA   | 384       |
| 2N3055      | TOSHIBA    | 130       |
| 2N3415      | SAMSUNG    | 289A      |
| 2N3417      | SAMSUNG    | 192A      |
| 2N3439      | MOTOROLA   | 396       |
| 2N3440      | CDIL       | 396       |
| 2N3442      | MOTOROLA   | 87        |
| 2N3553      | MOTOROLA   |           |
| 2N3563      | ST         | 108       |
| 2N3567      | ST         | 123A      |
| 2N3568      | ST         | 128       |
| 2N3584      | MOTOROLA   | 175       |
| 2N3716      | MOTOROLA   | 284       |
| 2N3739      | MOTOROLA   | 286       |
| 2N3766      | EIC        | 384       |
| 2N3771      | TOSHIBA    | 181       |
| 2N3772      | TOSHIBA    | 181       |
| 2N3773      | TOSHIBA    | 284       |
| 2N3790      | ST         | 219       |
| 2N3866      | MEV        | 311       |
| 2N3904      | KEC        | 123AP     |
| 2N3906      | PHILIPS    | 159       |
| 2N4401      | FCH        | 123AP     |
| 2N4403      | FCH        | 159       |
| 2N4424      | THO        | 289A      |
| 2N4427      | ST         | 346       |
| 2N4923      | ST         | 184       |
| 2N5038      | MOTOROLA   | 327       |
| 2N5039      | MOTOROLA   | 327       |
| 2N5060      | PHILIPS    | 5400      |
| 2N5061      | PHILIPS    | 5401      |
| 2N5062      | PHILIPS    | 5402      |
| 2N5064      | PHILIPS    | 5404      |
| 2N5088      | NS         | 47        |
| 2N5089      | NS         | 47        |
| 2N5302      | MOTOROLA   | 181       |
| 2N5322      | MEV        | 323       |
| 2N5337      | MOTOROLA   | 2347      |
| 2N5400      | TOSHIBA    | 288       |
| 2N5401      | PHILIPS    | 288       |
| 2N5415      | FCH        | 397       |
| 2N5416      | PHILIPS    | 397       |
| 2N5457      | MOTOROLA   | 457       |
| 2N5484      | MOTOROLA   | 312       |
| 2N5551      | SAMSUNG    | 194       |
| 2N5680      | MEV        | 323       |
| 2N5686      | NS         | 29        |
| 2N5770      | NS         | 108       |
| 2N5771      | NS         | 217       |
| 2N5884      | MOTOROLA   | 180       |
| 2N5885      | MOTOROLA   | 181       |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2N5886      | MOTOROLA   | 29        |
| 2N6027      | MOTOROLA   | 6402      |
| 2N6039      | MOTOROLA   | 253       |
| 2N6040      | MOTOROLA   | 262       |
| 2N6045      | MOTOROLA   | 261       |
| 2N6055      | MOTOROLA   | 243       |
| 2N6057      | MOTOROLA   | 247       |
| 2N6059      | ST         | 247       |
| 2N6251      | MOTOROLA   | 386       |
| 2N6284      | MOTOROLA   | 251       |
| 2N6285      | MOTOROLA   | 250       |
| 2N6287      | MOTOROLA   | 252       |
| 2N6288      | MOTOROLA   | 152       |
| 2N6290      | MOTOROLA   | 152       |
| 2N6388      | ST         | 263       |
| 2N6420      | MOTOROLA   | 38        |
| 2N6487      | RCA        |           |
| 2N6488      | MOTOROLA   | 331       |
| 2N6490      | MOTOROLA   | 332       |
| 2N6491      | MOTOROLA   | 332       |
| 2N6520      | SAMSUNG    |           |
| 2N6547      | MOTOROLA   | 53        |
| 2N6554      | NS         | 50        |
| 2N6576      | MOTOROLA   | 249       |
| 2N6578      | MOTOROLA   | 2349      |
| 2N6649      | MOTOROLA   | 246       |
| 2N6675      | MOTOROLA   | 2319      |
| 2N6719      | NS         | 227       |
| 2N7000      | PHILIPS    | 491       |
| <b>2P</b>   |            |           |
| 2P4M        | NEC        | 5457      |
| <b>2SA</b>  |            |           |
| 2SA101      | MATSUSHITA |           |
| 2SA102      | MATSUSHITA |           |
| 2SA114      | FUJITSU    | 126A      |
| 2SA115      | FUJITSU    | 126A      |
| 2SA123      | SONY       | 126A      |
| 2SA124      | SONY       | 126A      |
| 2SA143      | SONY       | 126A      |
| 2SA143      | MITSUBISHI | 126A      |
| 2SA144      | MATSUSHITA | 126A      |
| 2SA200      | SANYO      |           |
| 2SA203      | SANYO      | 126A      |
| 2SA341      | MATSUSHITA | 160       |
| 2SA473      | TOSHIBA    | 153       |
| 2SA485      | TOSHIBA    | 323       |
| 2SA490      | TOSHIBA    | 153       |
| 2SA495      | TOSHIBA    | 290A      |
| 2SA496      | TOSHIBA    | 374       |
| 2SA497      | TOSHIBA    |           |
| 2SA509      | TOSHIBA    | 159       |
| 2SA539      | NEC        | 290A      |
| 2SA561      | TOSHIBA    | 159       |
| 2SA562      | TOSHIBA    | 290A      |
| 2SA564      | MATSUSHITA |           |
| 2SA608      | SANYO      | 290A      |
| 2SA614      | NEC        | 218       |
| 2SA628      | MITSUBISHI | 290A      |
| 2SA634      | NEC        | 187A      |
| 2SA636      | NEC        | 187       |
| 2SA641      | NEC        | 234       |
| 2SA642      | NEC        | 290A      |
| 2SA643      | NEC        | 193A      |
| 2SA659      | SANYO      | 290A      |
| 2SA670      | HITACHI    | 153       |
| 2SA671      | HITACHI    | 378       |
| 2SA673      | HITACHI    | 290A      |
| 2SA679      | TOSHIBA    | 281       |



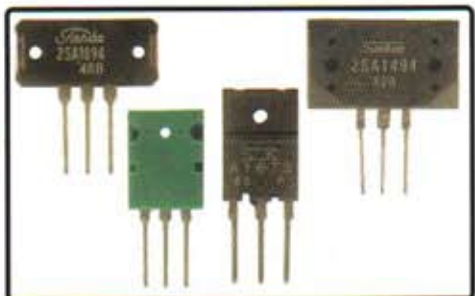
| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SA683      | MATSUSHITA | 294       |
| 2SA684      | MATSUSHITA | 294       |
| 2SA695      | MITSUBISHI | 159       |
| 2SA697      | MITSUBISHI | 290A      |
| 2SA699      | MATSUSHITA | 187A      |
| 2SA708      | NEC        | 129       |
| 2SA715      | HITACHI    |           |
| 2SA720      | MATSUSHITA | 290A      |
| 2SA726      | MITSUBISHI | 234       |
| 2SA733      | NEC        | 290A      |
| 2SA740      | TOSHIBA    | 398       |
| 2SA743      | HITACHI    | 374       |
| 2SA744      | SANKEN     | 219       |
| 2SA747      | SANKEN     | 285       |
| 2SA748      | MATSUSHITA | 153       |
| 2SA756      | HITACHI    | 88        |
| 2SA765      | SANKEN     | 197       |
| 2SA768      | SANKEN     | 197       |
| 2SA769      | SANKEN     | 292       |
| 2SA770      | SANKEN     | 197       |
| 2SA771      | SANKEN     | 332       |
| 2SA777      | MATSUSHITA | 298       |
| 2SA790      | ROHM       | 232       |
| 2SA794      | MATSUSHITA |           |
| 2SA798      | MITSUBISHI | 43        |
| 2SA807      | SANKEN     | 88        |
| 2SA812      | NEC        | 2409      |
| 2SA814      | TOSHIBA    | 292       |
| 2SA815      | TOSHIBA    | 292       |
| 2SA816      | TOSHIBA    | 398       |
| 2SA817      | TOSHIBA    | 290A      |
| 2SA825      | ROHM       | 14        |
| 2SA826      | ROHM       | 290A      |
| 2SA836      | HITACHI    | 234       |
| 2SA840      | SONY       |           |
| 2SA841      | TOSHIBA    | 234       |
| 2SA844      | HITACHI    | 234       |
| 2SA845      | HITACHI    | 288       |
| 2SA854      | ROHM       | 290A      |
| 2SA872      | HITACHI    | 91        |
| 2SA874      | ROHM       | 19        |
| 2SA881      | ROHM       |           |
| 2SA883      | NEC        |           |
| 2SA884      | SONY       |           |
| 2SA885      | MATSUSHITA |           |
| 2SA886      | MATSUSHITA |           |
| 2SA893      | HITACHI    | 91        |
| 2SA900      | MATSUSHITA |           |
| 2SA902      | MITSUBISHI |           |
| 2SA907      | SANKEN     | 180       |
| 2SA909      | SANKEN     | 68        |
| 2SA910      | FUJITSU    |           |
| 2SA913      | MATSUSHITA | 398       |
| 2SA914      | MATSUSHITA |           |
| 2SA915      | NEC        | 288       |
| 2SA916      | NEC        | 288       |
| 2SA921      | MATSUSHITA | 91        |
| 2SA922      | SONY       | 129       |
| 2SA928      | SONY       |           |
| 2SA931      | FUJITSU    |           |

Semiconductors

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SA933      | ROHM       | 290A      |
| 2SA934      | ROHM       | 294       |
| 2SA935      | ROHM       | 298       |
| 2SA937      | ROHM       | 17        |
| 2SA939      | FUJITSU    | 39        |
| 2SA940      | TOSHIBA    | 398       |
| 2SA949      | TOSHIBA    |           |
| 2SA950      | TOSHIBA    | 290A      |
| 2SA952      | NEC        | 290A      |
| 2SA954      | NEC        | 290A      |
| 2SA958      | SANKEN     | 398       |
| 2SA965      | TOSHIBA    |           |
| 2SA966      | TOSHIBA    | 294       |
| 2SA968      | TOSHIBA    |           |
| 2SA970      | TOSHIBA    |           |
| 2SA979      | MITSUBISHI | 41        |
| 2SA980      | SANKEN     | 281       |
| 2SA981      | SANKEN     | 281       |
| 2SA982      | SANKEN     | 281       |
| 2SA984      | SANYO      | 290A      |
| 2SA985      | NEC        | 398       |
| 2SA988      | NEC        | 91        |
| 2SA991      | NEC        |           |
| 2SA992      | NEC        | 91        |
| 2SA993      | HITACHI    | 159       |
| 2SA995      | MITSUBISHI | 45        |
| 2SA999      | MITSUBISHI | 290A      |
| 2SA1005     | NEC        |           |
| 2SA1006     | NEC        |           |
| 2SA1011     | SANYO      | 398       |
| 2SA1012     | TOSHIBA    | 378       |
| 2SA1013     | TOSHIBA    | 32        |
| 2SA1015     | TOSHIBA    | 290A      |
| 2SA1016     | SANYO      | 234       |
| 2SA1017     | SANYO      | 234       |
| 2SA1018     | MATSUSHITA | 288       |
| 2SA1020     | TOSHIBA    | 25        |
| 2SA1021     | TOSHIBA    | 374       |
| 2SA1023     | NEC        | 290A      |
| 2SA1024     | HITACHI    |           |
| 2SA1034     | MATSUSHITA | 2409      |
| 2SA1036     | ROHM       | 2407      |
| 2SA1037     | ROHM       | 2409      |
| 2SA1038     | ROHM       | 91        |
| 2SA1048     | TOSHIBA    | 2362      |
| 2SA1049     | TOSHIBA    | 91        |
| 2SA1062     | MATSUSHITA | 37        |
| 2SA1075     | FUJITSU    |           |
| 2SA1077     | FUJITSU    |           |
| 2SA1085     | HITACHI    | 129P      |
| 2SA1090     | TOSHIBA    | 159       |
| 2SA1091     | TOSHIBA    | 288       |
| 2SA1092     | MATSUSHITA | 234       |
| 2SA1094     | TOSHIBA    | 34        |
| 2SA1095     | TOSHIBA    | 34        |
| 2SA1102     | SANKEN     | 37        |
| 2SA1103     | SANKEN     | 37        |
| 2SA1104     | SANKEN     | 37        |
| 2SA1105     | SANKEN     | 37        |
| 2SA1106     | SANKEN     | 37        |
| 2SA1111     | MATSUSHITA | 398       |
| 2SA1112     | MATSUSHITA |           |
| 2SA1115     | SANYO      | 290A      |
| 2SA1116     | SANKEN     | 68        |
| 2SA1117     | SANKEN     | 68        |
| 2SA1120     | SANKEN     |           |
| 2SA1123     | MATSUSHITA | 32        |
| 2SA1124     | MATSUSHITA | 32        |
| 2SA1135     | SANKEN     | 391       |
| 2SA1142     | NEC        | 374       |
| 2SA1145     | TOSHIBA    | 32        |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SA1146     | TOSHIBA    | 37        |
| 2SA1154     | NEC        | 159       |
| 2SA1160     | TOSHIBA    | 25        |
| 2SA1162     | TOSHIBA    | 2409      |
| 2SA1169     | SANKEN     | 59        |
| 2SA1170     | SANKEN     | 59        |
| 2SA1175     | NEC        | 2362      |
| 2SA1179     | MATSUSHITA | 2407      |
| 2SA1184     | TOSHIBA    | 374       |
| 2SA1185     | MATSUSHITA | 37        |
| 2SA1186     | SANKEN     | 37        |
| 2SA1193     | HITACHI    | 2342      |
| 2SA1206     | NEC        | 217       |
| 2SA1207     | SANYO      | 32        |
| 2SA1208     | SANYO      |           |
| 2SA1209     | SANYO      |           |
| 2SA1210     | SANYO      |           |
| 2SA1213     | TOSHIBA    |           |
| 2SA1215     | SANKEN     | 34        |
| 2SA1216     | SANKEN     | 59        |
| 2SA1220     | NEC        | 374       |
| 2SA1221     | NEC        |           |
| 2SA1226     | NEC        | 2407      |
| 2SA1232     | NEC        | 37        |
| 2SA1241     | TOSHIBA    | 2527      |
| 2SA1242     | TOSHIBA    | 2523      |
| 2SA1244     | TOSHIBA    | 2525      |
| 2SA1245     | TOSHIBA    | 2403      |
| 2SA1249     | SANYO      | 374       |
| 2SA1254     | MATSUSHITA |           |
| 2SA1255     | TOSHIBA    | 2413      |
| 2SA1261     | NEC        |           |
| 2SA1262     | SANKEN     | 242       |
| 2SA1263N    | TOSHIBA    | 37        |
| 2SA1264N    | TOSHIBA    | 37        |
| 2SA1265N    | TOSHIBA    | 37        |
| 2SA1266     | KEC        | 290A      |
| 2SA1267     | KEC        | 2362      |
| 2SA1268     | KEC        |           |
| 2SA1270     | KEC        | 290A      |
| 2SA1271     | KEC        |           |
| 2SA1273     | KEC        |           |
| 2SA1276     | KEC        | 153       |
| 2SA1283     | SANYO      | 383       |
| 2SA1284     | SANYO      | 383       |
| 2SA1286     | SANYO      |           |
| 2SA1294     | SANKEN     |           |
| 2SA1295     | SANKEN     |           |
| 2SA1297     | TOSHIBA    |           |
| 2SA1300     | TOSHIBA    | 12        |
| 2SA1301     | TOSHIBA    | 2329      |
| 2SA1302     | TOSHIBA    | 2329      |
| 2SA1303     | SANKEN     |           |
| 2SA1306     | TOSHIBA    |           |
| 2SA1307     | TOSHIBA    |           |
| 2SA1309     | MATSUSHITA | 2362      |
| 2SA1317     | SANYO      | 2362      |
| 2SA1318     | SANYO      | 294       |
| 2SA1319     | SANYO      |           |
| 2SA1321     | TOSHIBA    | 288       |
| 2SA1328     | TOSHIBA    |           |
| 2SA1344     | SANYO      | 2415      |
| 2SA1345     | SANYO      | 2360      |
| 2SA1346     | SANYO      | 2358      |
| 2SA1348     | SANYO      | 2356      |
| 2SA1349     | TOSHIBA    |           |
| 2SA1352     | SANYO      | 2502      |
| 2SA1353     | SANYO      | 2502      |
| 2SA1355     | SANKEN     |           |
| 2SA1356     | TOSHIBA    |           |
| 2SA1357     | TOSHIBA    | 2514      |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SA1358     | TOSHIBA    |           |
| 2SA1360     | TOSHIBA    |           |
| 2SA1370     | SANYO      | 2366      |
| 2SA1371     | SANYO      | 2366      |
| 2SA1380     | SANYO      | 2502      |
| 2SA1383     | NEC        |           |
| 2SA1385     | NEC        |           |
| 2SA1386     | SANKEN     |           |
| 2SA1400     | NEC        |           |
| 2SA1408     | TOSHIBA    |           |
| 2SA1420     | SANYO      |           |
| 2SA1428     | TOSHIBA    |           |
| 2SA1431     | TOSHIBA    | 12        |
| 2SA1444     | NEC        |           |
| 2SA1451     | TOSHIBA    |           |
| 2SA1460     | NEC        |           |
| 2SA1469     | SANYO      |           |
| 2SA1470     | SANYO      | 2569      |
| 2SA1477     | SANYO      |           |
| 2SA1480     | SANYO      | 2502      |
| 2SA1488     | SANKEN     |           |
| 2SA1489     | SANKEN     |           |
| 2SA1490     | SANKEN     | 37        |
| 2SA1491     | SANKEN     | 37        |
| 2SA1492     | SANKEN     | 2329      |
| 2SA1493     | SANKEN     | 59        |
| 2SA1494     | SANKEN     | 59        |
| 2SA1503     | SANYO      |           |
| 2SA1507     | SANYO      | 2520      |
| 2SA1515     | ROHM       | 159       |
| 2SA1516     | TOSHIBA    | 2329      |
| 2SA1524     | SANYO      |           |
| 2SA1534     | MATSUSHITA |           |
| 2SA1535     | MATSUSHITA |           |
| 2SA1538     | SANYO      | 2509      |
| 2SA1541     | SANYO      |           |
| 2SA1553     | TOSHIBA    |           |
| 2SA1560     | ROHM       | 21        |
| 2SA1561     | ROHM       | 17        |
| 2SA1564     | SANYO      |           |
| 2SA1598     | SHINDENGEN |           |
| 2SA1601     | SHINDENGEN |           |
| 2SA1606     | SANYO      |           |
| 2SA1624     | SANYO      | 288       |
| 2SA1625     | NEC        |           |
| 2SA1626     | NEC        |           |
| 2SA1633     | ROHM       |           |
| 2SA1667     | SANKEN     | 2577      |
| 2SA1670     | SANKEN     |           |
| 2SA1671     | SANKEN     |           |
| 2SA1672     | SANKEN     | 2329      |
| 2SA1673     | SANKEN     | 2329      |
| 2SA1679     | SHINDENGEN |           |
| 2SA1684     | NEC        |           |
| 2SA1694     | SANKEN     | 37        |
| 2SA1695     | SANKEN     | 37        |
| 2SA1706     | SANYO      |           |
| 2SA1708     | SANYO      |           |
| 2SA1709     | SANYO      |           |
| 2SA1725     | SANKEN     |           |

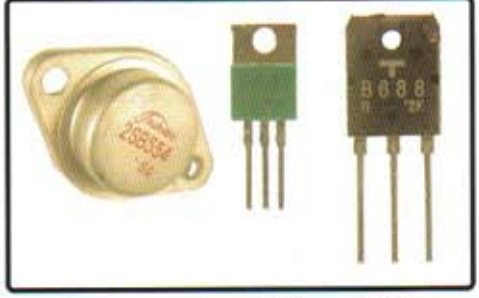
Semiconductores

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SA1762     | MATSUSHITA |           |
| 2SA1803     | TOSHIBA    |           |
| 2SA1804     | TOSHIBA    |           |
| 2SA1837     | TOSHIBA    |           |
| 2SA1860     | SANKEN     |           |
| 2SA1907     | SANKEN     | 2535      |
| 2SA1930     | TOSHIBA    |           |
| 2SA1932     | TOSHIBA    |           |
| 2SA1940     | TOSHIBA    |           |
| 2SA1941     | TOSHIBA    |           |
| 2SA1943     | TOSHIBA    |           |
| 2SA1962     | TOSHIBA    |           |
| 2SA1987     | TOSHIBA    |           |
| <b>2SB</b>  |            |           |
| 2SB77       | HITACHI    | 102A      |
| 2SB143      | SONY       | 104       |
| 2SB175      | MATSUSHITA | 102A      |
| 2SB176      | MATSUSHITA | 102A      |
| 2SB178      | MATSUSHITA | 102A      |
| 2SB185      | SANYO      | 102A      |
| 2SB186      | SANYO      | 102A      |
| 2SB187      | SANYO      | 102A      |
| 2SB324      | MATSUSHITA | 158       |
| 2SB337      | HITACHI    | 121       |
| 2SB341      | HITACHI    | 127       |
| 2SB405      | SANYO      | 158       |
| 2SB407      | SANYO      | 121       |
| 2SB415      | TOSHIBA    | 158       |
| 2SB434      | TOSHIBA    | 153       |
| 2SB435      | TOSHIBA    | 153       |
| 2SB449      | MATSUSHITA | 121       |
| 2SB468      | HITACHI    | 127       |
| 2SB473      | MATSUSHITA | 131       |
| 2SB475      | MATSUSHITA | 102A      |
| 2SB476      | MATSUSHITA | 176       |
| 2SB481      | MATSUSHITA | 131       |
| 2SB492      | SANYO      | 176       |
| 2SB507      | SANYO      | 153       |
| 2SB509      | SANYO      | 153       |
| 2SB511      | SANYO      | 153       |
| 2SB512      | MATSUSHITA | 153       |
| 2SB514      | SANYO      | 153       |
| 2SB527      | MITSUBISHI | 292       |
| 2SB529      | MITSUBISHI | 153       |
| 2SB536      | NEC        | 292       |
| 2SB537      | NEC        | 292       |
| 2SB539      | NEC        | 285       |
| 2SB541      | NEC        | 88        |
| 2SB544      | SANYO      | 294       |
| 2SB546      | NEC        | 398       |
| 2SB548      | NEC        | 374       |
| 2SB551      | HITACHI    | 218       |
| 2SB553      | TOSHIBA    | 55        |
| 2SB554      | TOSHIBA    | 285       |
| 2SB555      | TOSHIBA    | 281       |
| 2SB556      | TOSHIBA    | 281       |
| 2SB557      | TOSHIBA    | 281       |
| 2SB559      | SANYO      | 185       |
| 2SB560      | SANYO      | 383       |
| 2SB561      | HITACHI    | 159       |
| 2SB562      | HITACHI    | 294       |
| 2SB564      | NEC        | 294       |
| 2SB566      | HITACHI    | 292       |
| 2SB568      | HITACHI    | 398       |
| 2SB595      | TOSHIBA    | 55        |
| 2SB596      | TOSHIBA    | 242       |
| 2SB598      | SANYO      | 159       |
| 2SB600      | NEC        | 88        |
| 2SB601      | NEC        | 262       |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SB605      | NEC        | 294       |
| 2SB618      | NEC        | 381       |
| 2SB621      | MATSUSHITA | 294       |
| 2SB631      | SANYO      | 374       |
| 2SB632      | SANYO      | 185       |
| 2SB633      | SANYO      | 378       |
| 2SB639      | HITACHI    | 248       |
| 2SB641      | MATSUSHITA | 19        |
| 2SB642      | MATSUSHITA | 19        |
| 2SB643      | MATSUSHITA | 19        |
| 2SB644      | MATSUSHITA | 19        |
| 2SB645      | TOSHIBA    |           |
| 2SB647      | HITACHI    | 383       |
| 2SB649      | HITACHI    | 374       |
| 2SB653      | HITACHI    | 88        |
| 2SB654      | HITACHI    | 88        |
| 2SB655      | HITACHI    | 285       |
| 2SB656      | HITACHI    | 285       |
| 2SB673      | TOSHIBA    | 262       |
| 2SB676      | TOSHIBA    | 262       |
| 2SB681      | TOSHIBA    | 285       |
| 2SB682      | MITSUBISHI | 292       |
| 2SB686      | TOSHIBA    | 37        |
| 2SB688      | TOSHIBA    | 37        |
| 2SB698      | SANYO      | 159       |
| 2SB703      | NEC        | 292       |
| 2SB705      | NEC        | 93        |
| 2SB709      | MATSUSHITA | 2409      |
| 2SB716      | HITACHI    | 91        |
| 2SB722      | HITACHI    | 285       |
| 2SB727      | HITACHI    | 2344      |
| 2SB731      | NEC        | 374       |
| 2SB733      | NEC        | 294       |
| 2SB734      | NEC        | 383       |
| 2SB738      | HITACHI    | 12        |
| 2SB739      | HITACHI    | 12        |
| 2SB740      | HITACHI    | 383       |
| 2SB743      | NEC        | 185       |
| 2SB744      | NEC        | 185       |
| 2SB749      | HITACHI    | 93        |
| 2SB751      | MATSUSHITA | 262       |
| 2SB753      | TOSHIBA    | 378       |
| 2SB754      | TOSHIBA    | 37        |
| 2SB755      | TOSHIBA    | 34        |
| 2SB761      | MATSUSHITA | 55        |
| 2SB764      | SANYO      | 383       |
| 2SB772      | NEC        | 185       |
| 2SB774      | MATSUSHITA | 290A      |
| 2SB775      | SANYO      | 37        |
| 2SB776      | SANYO      | 37        |
| 2SB788      | MATSUSHITA | 91        |
| 2SB791      | HITACHI    | 2344      |
| 2SB793      | MATSUSHITA | 21        |
| 2SB794      | NEC        | 254       |
| 2SB795      | NEC        | 254       |
| 2SB808      | SANYO      |           |
| 2SB810      | NEC        | 294       |
| 2SB811      | NEC        | 294       |
| 2SB815      | SANYO      | 2407      |
| 2SB816      | SANYO      | 37        |
| 2SB817      | SANYO      | 37        |
| 2SB819      | MATSUSHITA | 21        |
| 2SB822      | ROHM       |           |
| 2SB824      | SANYO      | 378       |
| 2SB825      | SANYO      | 378       |
| 2SB826      | SANYO      | 378       |
| 2SB827      | SANYO      | 2314      |
| 2SB828      | SANYO      | 2314      |
| 2SB829      | SANYO      | 2314      |
| 2SB834      | TOSHIBA    |           |
| 2SB856      | HITACHI    | 55        |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SB857      | HITACHI    | 55        |
| 2SB858      | HITACHI    | 55        |
| 2SB861      | HITACHI    | 398       |
| 2SB862      | FUJI       |           |
| 2SB863      | TOSHIBA    | 37        |
| 2SB865      | SANYO      |           |
| 2SB869      | MATSUSHITA | 55        |
| 2SB872      | MATSUSHITA | 262       |
| 2SB873      | MATSUSHITA |           |
| 2SB880      | SANYO      | 264       |
| 2SB881      | SANYO      | 264       |
| 2SB882      | SANYO      | 264       |
| 2SB883      | SANYO      | 2542      |
| 2SB892      | SANYO      | 2364      |
| 2SB893      | SANYO      | 12        |
| 2SB897      | NEC        |           |
| 2SB908      | TOSHIBA    | 2352      |
| 2SB909      | ROHM       | 21        |
| 2SB911      | ROHM       | 21        |
| 2SB926      | SANYO      | 12        |
| 2SB927      | SANYO      |           |
| 2SB936      | MATSUSHITA |           |
| 2SB940      | MATSUSHITA |           |
| 2SB941      | MATSUSHITA |           |
| 2SB942      | MATSUSHITA | 55        |
| 2SB945      | MATSUSHITA | 55        |
| 2SB946      | MATSUSHITA |           |
| 2SB948      | MATSUSHITA |           |
| 2SB949      | MATSUSHITA |           |
| 2SB950      | MATSUSHITA |           |
| 2SB951      | MATSUSHITA |           |
| 2SB956      | MATSUSHITA | 2429      |
| 2SB965      | NEC        | 37        |
| 2SB966      | NEC        | 37        |
| 2SB975      | NEC        |           |
| 2SB976      | MATSUSHITA | 12        |
| 2SB994      | NEC        | 32        |
| 2SB985      | SANYO      |           |
| 2SB986      | SANYO      | 2514      |
| 2SB988      | KEC        | 153       |
| 2SB1008     | ROHM       | 254       |
| 2SB1009     | ROHM       |           |
| 2SB1013     | SANYO      |           |
| 2SB1014     | SANYO      |           |
| 2SB1015     | TOSHIBA    |           |
| 2SB1016     | TOSHIBA    |           |
| 2SB1017     | TOSHIBA    |           |
| 2SB1020     | TOSHIBA    |           |
| 2SB1023     | TOSHIBA    |           |
| 2SB1024     | TOSHIBA    | 2548      |
| 2SB1050     | MATSUSHITA | 12        |
| 2SB1064     | ROHM       | 378       |
| 2SB1066     | ROHM       |           |
| 2SB1085     | ROHM       | 398       |
| 2SB1096     | NEC        |           |
| 2SB1098     | NEC        |           |
| 2SB1099     | NEC        |           |
| 2SB1100     | NEC        |           |
| 2SB1109     | HITACHI    | 374       |
| 2SB1117     | NEC        |           |

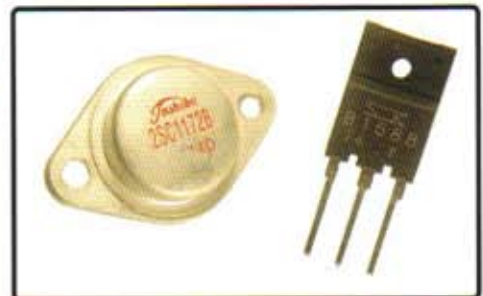
Semiconductores

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SB1120     | SANYO      |           |
| 2SB1123     | SANYO      |           |
| 2SB1127     | SANYO      | 2512      |
| 2SB1132     | ROHM       |           |
| 2SB1133     | SANYO      |           |
| 2SB1134     | SANYO      |           |
| 2SB1135     | SANYO      |           |
| 2SB1136     | SANYO      | 2567      |
| 2SB1143     | SANYO      | 2518      |
| 2SB1151     | NEC        |           |
| 2SB1155     | MATSUSHITA |           |
| 2SB1162     | MATSUSHITA | 2329      |
| 2SB1163     | MATSUSHITA | 2329      |
| 2SB1166     | SANYO      | 2514      |
| 2SB1168     | SANYO      | 2516      |
| 2SB1181     | ROHM       |           |
| 2SB1182     | ROHM       |           |
| 2SB1184     | ROHM       |           |
| 2SB1185     | ROHM       |           |
| 2SB1186     | ROHM       |           |
| 2SB1187     | ROHM       |           |
| 2SB1188     | ROHM       |           |
| 2SB1202     | SANYO      | 2525      |
| 2SB1203     | SANYO      | 2525      |
| 2SB1205     | SANYO      |           |
| 2SB1212     | ROHM       |           |
| 2SB1217     | NEC        | 185       |
| 2SB1223     | SANYO      | 2552      |
| 2SB1236     | ROHM       |           |
| 2SB1237     | ROHM       | 21        |
| 2SB1238     | ROHM       | 19        |
| 2SB1240     | ROHM       | 21        |
| 2SB1241     | ROHM       |           |
| 2SB1243     | ROHM       |           |
| 2SB1255     | MATSUSHITA |           |
| 2SB1258     | SANKEN     |           |
| 2SB1266     | SANYO      |           |
| 2SB1273     | SANYO      | 2569      |
| 2SB1274     | SANYO      |           |
| 2SB1277     | ROHM       | 21        |
| 2SB1287     | ROHM       |           |
| 2SB1299     | MATSUSHITA |           |
| 2SB1306     | ROHM       |           |
| 2SB1317     | MATSUSHITA | 2329      |
| 2SB1318     | NEC        |           |
| 2SB1326     | ROHM       |           |
| 2SB1328     | ROHM       |           |
| 2SB1329     | ROHM       |           |
| 2SB1333     | ROHM       |           |
| 2SB1342     | ROHM       |           |
| 2SB1344     | ROHM       |           |
| 2SB1347     | MATSUSHITA | 2329      |
| 2SB1357     | ROHM       |           |
| 2SB1366     | KEC        |           |
| 2SB1370     | ROHM       |           |
| 2SB1373     | MATSUSHITA |           |
| 2SB1374     | ROHM       |           |
| 2SB1375     | TOSHIBA    |           |
| 2SB1383     | SANKEN     | 2542      |
| 2SB1393     | MATSUSHITA |           |
| 2SB1416     | MATSUSHITA |           |
| 2SB1417     | MATSUSHITA |           |
| 2SB1423     | ROHM       |           |
| 2SB1425     | ROHM       |           |
| 2SB1428     | ROHM       |           |
| 2SB1429     | TOSHIBA    | 2329      |
| 2SB1434     | MATSUSHITA |           |
| 2SB1443     | ROHM       |           |
| 2SB1470     | MATSUSHITA |           |
| 2SB1476     | SANKEN     | 2542      |
| 2SB1492     | MATSUSHITA |           |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SB1493     | MATSUSHITA |           |
| 2SB1531     | MATSUSHITA |           |
| 2SB1548     | ROHM       |           |
| 2SB1557     | TOSHIBA    |           |
| 2SB1558     | TOSHIBA    |           |
| 2SB1559     | SANKEN     |           |
| 2SB1560     | SANKEN     |           |
| 2SB1565     | ROHM       |           |
| 2SB1566     | ROHM       |           |
| 2SB1570     | SANKEN     |           |
| 2SB1586     | SANKEN     | 2560      |
| 2SB1587     | SANKEN     | 2560      |
| 2SB1588     | SANKEN     | 2560      |
| 2SB1594     | TOSHIBA    |           |
| 2SB1616     | ROHM       |           |
| 2SB1620     | SANKEN     |           |
| 2SB1624     | SANKEN     |           |
| 2SB1625     | SANKEN     |           |
| 2SB1626     | SANKEN     |           |
| <b>2SC</b>  |            |           |
| 2SC113      | HITACHI    | 128       |
| 2SC114      | HITACHI    | 128       |
| 2SC124      | NEC        | 128       |
| 2SC168      | OKI        |           |
| 2SC372      | TOSHIBA    | 85        |
| 2SC380      | TOSHIBA    | 85        |
| 2SC381      | TOSHIBA    | 107       |
| 2SC382      | TOSHIBA    | 229       |
| 2SC388      | TOSHIBA    | 107       |
| 2SC394      | TOSHIBA    | 85        |
| 2SC454      | HITACHI    | 85        |
| 2SC458      | HITACHI    | 85        |
| 2SC459      | HITACHI    | 85        |
| 2SC460      | HITACHI    | 85        |
| 2SC461      | HITACHI    | 85        |
| 2SC468      | HITACHI    | 123A      |
| 2SC495      | TOSHIBA    | 295       |
| 2SC496      | TOSHIBA    | 295       |
| 2SC509      | TOSHIBA    | 289A      |
| 2SC515      | TOSHIBA    |           |
| 2SC521      | TOSHIBA    | 87        |
| 2SC535      | HITACHI    | 107       |
| 2SC536      | SANYO      | 85        |
| 2SC545      | SANYO      | 107       |
| 2SC603      | NEC        |           |
| 2SC634      | SONY       | 85        |
| 2SC642      | TOSHIBA    | 164       |
| 2SC643      | TOSHIBA    | 389       |
| 2SC647      | MATSUSHITA | 328       |
| 2SC680      | HITACHI    |           |
| 2SC681      | HITACHI    | 283       |
| 2SC693      | SANYO      | 199       |
| 2SC696      | MATSUSHITA | 128       |
| 2SC710      | MITSUBISHI | 85        |
| 2SC711      | MITSUBISHI | 85        |
| 2SC717      | HITACHI    | 107       |
| 2SC732      | TOSHIBA    | 199       |
| 2SC734      | TOSHIBA    | 289A      |
| 2SC735      | TOSHIBA    | 289A      |
| 2SC756      | SONY       |           |
| 2SC761      | MATSUSHITA | 161       |
| 2SC780      | TOSHIBA    | 194       |
| 2SC782      | TOSHIBA    |           |
| 2SC783      | TOSHIBA    |           |
| 2SC785      | TOSHIBA    | 229       |
| 2SC787      | TOSHIBA    | 161       |
| 2SC789      | TOSHIBA    | 152       |
| 2SC792      | TOSHIBA    | 94        |
| 2SC793      | TOSHIBA    | 130       |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC806      | SONY       | 283       |
| 2SC807      | SONY       | 385       |
| 2SC815      | NEC        | 289A      |
| 2SC828      | SAMSUNG    | 85        |
| 2SC829      | SAMSUNG    | 85        |
| 2SC838      | SAMSUNG    | 289A      |
| 2SC840      | MATSUSHITA | 175       |
| 2SC846      | NEC        |           |
| 2SC867      | SONY       | 277       |
| 2SC869      | SAMSUNG    | 194       |
| 2SC897      | HITACHI    | 280       |
| 2SC900      | NEC        | 199       |
| 2SC901      | MATSUSHITA | 163A      |
| 2SC930      | SANYO      | 107       |
| 2SC935      | HITACHI    | 162       |
| 2SC937      | HITACHI    | 389       |
| 2SC940      | NEC        | 283       |
| 2SC941      | TOSHIBA    | 289A      |
| 2SC945      | NEC        | 85        |
| 2SC982      | TOSHIBA    | 172A      |
| 2SC984      | HITACHI    | 128       |
| 2SC1000     | TOSHIBA    | 199       |
| 2SC1004     | TOSHIBA    | 164       |
| 2SC1008     | NEC        | 128P      |
| 2SC1012     | MATSUSHITA | 154       |
| 2SC1014     | MITSUBISHI | 300       |
| 2SC1025     | SANYO      | 175       |
| 2SC1027     | SANYO      | 163A      |
| 2SC1030     | HITACHI    | 87        |
| 2SC1034     | SONY       | 35        |
| 2SC1047     | MATSUSHITA | 107       |
| 2SC1050     | SANYO      | 94        |
| 2SC1051     | SANYO      | 280       |
| 2SC1059     | HITACHI    | 124       |
| 2SC1060     | HITACHI    | 152       |
| 2SC1061     | HITACHI    | 152       |
| 2SC1070     | NEC        | 161       |
| 2SC1080     | TOSHIBA    | 280       |
| 2SC1093     | NEC        | 165       |
| 2SC1096     | NEC        | 186A      |
| 2SC1098     | NEC        | 186       |
| 2SC1106     | NEC        | 94        |
| 2SC1113     | SANKEN     | 384       |
| 2SC1114     | SANKEN     | 94        |
| 2SC1115     | SANKEN     | 280       |
| 2SC1116     | SANKEN     | 284       |
| 2SC1124     | SONY       | 190       |
| 2SC1126     | SONY       | 229       |
| 2SC1127     | SONY       | 171       |
| 2SC1160     | NEC        | 175       |
| 2SC1161     | NEC        | 175       |
| 2SC1162     | HITACHI    |           |
| 2SC1168     | TOSHIBA    | 124       |
| 2SC1170     | TOSHIBA    | 389       |
| 2SC1171     | TOSHIBA    | 164       |
| 2SC1172B    | TOSHIBA    | 238       |
| 2SC1173     | TOSHIBA    | 152       |
| 2SC1185     | NEC        | 162       |
| 2SC1195     | TOSHIBA    | 94        |
| 2SC1209     | MITSUBISHI | 85        |

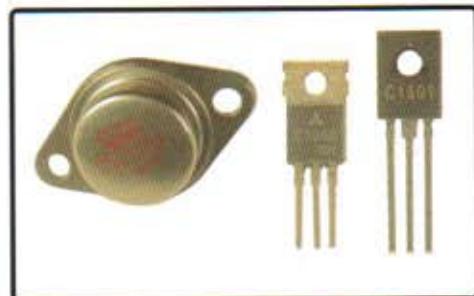
Semiconductores

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC1212     | HITACHI    | 373       |
| 2SC1213     | HITACHI    | 289A      |
| 2SC1222     | NEC        | 199       |
| 2SC1226     | MATSUSHITA | 186A      |
| 2SC1228     | FUJITSU    |           |
| 2SC1237     | TOSHIBA    | 235       |
| 2SC1295     | SANYO      | 389       |
| 2SC1306     | NEC        | 235       |
| 2SC1308     | SANYO      | 238       |
| 2SC1316     | SONY       | 277       |
| 2SC1317     | MATSUSHITA | 289A      |
| 2SC1318     | MATSUSHITA | 289A      |
| 2SC1325     | NEC        | 238       |
| 2SC1327     | MATSUSHITA | 199       |
| 2SC1335     | HITACHI    | 199       |
| 2SC1342     | HITACHI    | 107       |
| 2SC1344     | HITACHI    | 199       |
| 2SC1345     | HITACHI    | 199       |
| 2SC1358     | NEC        | 165       |
| 2SC1359     | MATSUSHITA | 85        |
| 2SC1360     | MATSUSHITA | 85        |
| 2SC1362     | SONY       | 289A      |
| 2SC1364     | SONY       | 85        |
| 2SC1383     | MATSUSHITA | 293       |
| 2SC1384     | MATSUSHITA | 293       |
| 2SC1392     | NEC        |           |
| 2SC1393     | NEC        | 229       |
| 2SC1394     | NEC        | 229       |
| 2SC1398     | MATSUSHITA | 152       |
| 2SC1400     | NEC        | 90        |
| 2SC1402     | SANKEN     | 280       |
| 2SC1413     | HITACHI    | 165       |
| 2SC1417     | HITACHI    | 107       |
| 2SC1437     | SANKEN     |           |
| 2SC1438     | FUJITSU    | 194       |
| 2SC1441     | SANKEN     | 386       |
| 2SC1444     | SANKEN     | 196       |
| 2SC1445     | SANKEN     | 196       |
| 2SC1446     | MATSUSHITA | 376       |
| 2SC1447     | TOSHIBA    | 376       |
| 2SC1448     | TOSHIBA    | 375       |
| 2SC1449     | NEC        | 184       |
| 2SC1454     | SANKEN     | 94        |
| 2SC1470     | SHINDENGEN |           |
| 2SC1473     | MATSUSHITA | 399       |
| 2SC1474     | SONY       |           |
| 2SC1475     | SONY       | 315       |
| 2SC1501     | MATSUSHITA | 157       |
| 2SC1505     | NEC        | 198       |
| 2SC1507     | NEC        | 198       |
| 2SC1509     | MATSUSHITA | 297       |
| 2SC1514     | HITACHI    | 376       |
| 2SC1515     | HITACHI    | 287       |
| 2SC1520     | NEC        | 198       |
| 2SC1539     | ROHM       |           |
| 2SC1566     | MATSUSHITA |           |
| 2SC1567     | MATSUSHITA |           |
| 2SC1568     | MATSUSHITA |           |
| 2SC1569     | TOSHIBA    | 376       |
| 2SC1570     | SANYO      | 199       |
| 2SC1571     | SANYO      | 199       |
| 2SC1573     | MATSUSHITA | 399       |
| 2SC1578     | SANKEN     | 386       |
| 2SC1583     | MITSUBISHI | 42        |
| 2SC1586     | SANKEN     | 388       |
| 2SC1617     | TOSHIBA    | 283       |
| 2SC1619     | SANKEN     | 87        |
| 2SC1623     | NEC        | 2408      |
| 2SC1624     | TOSHIBA    | 291       |
| 2SC1627     | TOSHIBA    | 289A      |
| 2SC1629     | SANKEN     | 86        |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC1652     | ROHM       | 18        |
| 2SC1664     | SANKEN     | 57        |
| 2SC1667     | MATSUSHITA | 130       |
| 2SC1669     | TOSHIBA    | 375       |
| 2SC1670     | SONY       |           |
| 2SC1674     | NEC        | 107       |
| 2SC1675     | NEC        | 85        |
| 2SC1678     | TOSHIBA    | 235       |
| 2SC1683     | MATSUSHITA | 375       |
| 2SC1684     | MATSUSHITA | 289A      |
| 2SC1685     | MATSUSHITA | 85        |
| 2SC1688     | MATSUSHITA |           |
| 2SC1708     | MITSUBISHI | 90        |
| 2SC1723     | HITACHI    |           |
| 2SC1730     | NEC        | 107       |
| 2SC1740     | ROHM       | 85        |
| 2SC1741     | ROHM       | 85        |
| 2SC1755     | SANYO      | 376       |
| 2SC1756     | SANYO      | 376       |
| 2SC1760     | SONY       | 306       |
| 2SC1768     | SANKEN     | 86        |
| 2SC1769     | KEC        |           |
| 2SC1774     | KEC        | 123AP     |
| 2SC1775     | HITACHI    | 90        |
| 2SC1775     | SONY       | 80        |
| 2SC1810     | SONY       | 80        |
| 2SC1815     | TOSHIBA    | 85        |
| 2SC1819     | MATSUSHITA | 376       |
| 2SC1826     | SANKEN     | 196       |
| 2SC1827     | SANKEN     | 291       |
| 2SC1828     | SANKEN     | 369       |
| 2SC1829     | SANKEN     | 86        |
| 2SC1831     | SANKEN     |           |
| 2SC1832     | SANKEN     |           |
| 2SC1840     | NEC        | 199       |
| 2SC1841     | NEC        | 90        |
| 2SC1842     | NEC        | 199       |
| 2SC1843     | NEC        | 199       |
| 2SC1844     | NEC        | 199       |
| 2SC1845     | NEC        | 90        |
| 2SC1846     | MATSUSHITA |           |
| 2SC1847     | MATSUSHITA |           |
| 2SC1855     | HITACHI    | 229       |
| 2SC1856     | HITACHI    | 229       |
| 2SC1864     | NEC        | 384       |
| 2SC1865     | NEC        | 379       |
| 2SC1868     | NEC        | 385       |
| 2SC1871     | NEC        | 385       |
| 2SC1875     | NEC        | 389       |
| 2SC1881     | HITACHI    | 261       |
| 2SC1890     | HITACHI    | 90        |
| 2SC1893     | TOSHIBA    | 389       |
| 2SC1894     | TOSHIBA    | 238       |
| 2SC1905     | MATSUSHITA | 198       |
| 2SC1906     | HITACHI    | 107       |
| 2SC1907     | HITACHI    | 107       |
| 2SC1913     | MATSUSHITA | 375       |
| 2SC1914     | MITSUBISHI | 90        |
| 2SC1921     | HITACHI    | 399       |
| 2SC1922     | HITACHI    |           |
| 2SC1923     | TOSHIBA    | 107       |
| 2SC1940     | NEC        | 399       |
| 2SC1941     | NEC        | 399       |
| 2SC1942     | HITACHI    |           |
| 2SC1957     | NEC        | 295       |
| 2SC1959     | TOSHIBA    | 85        |
| 2SC1963     | SONY       | 83        |
| 2SC1968     | MITSUBISHI |           |
| 2SC1969     | MITSUBISHI | 236       |
| 2SC1970     | MITSUBISHI |           |
| 2SC1971     | MITSUBISHI | 342       |
| 2SC1975     | MATSUSHITA | 235       |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC1983     | SANKEN     | 56        |
| 2SC1985     | SANKEN     | 196       |
| 2SC1986     | SANKEN     | 331       |
| 2SC2001     | NEC        | 85        |
| 2SC2002     | NEC        | 85        |
| 2SC2021     | ROHM       | 16        |
| 2SC2023     | SANKEN     | 2313      |
| 2SC2025     | NEC        |           |
| 2SC2026     | NEC        | 23        |
| 2SC2029     | FUJITSU    | 235       |
| 2SC2053     | MITSUBISHI |           |
| 2SC2057     | SANYO      | 229       |
| 2SC2058     | ROHM       | 85        |
| 2SC2060     | ROHM       | 293       |
| 2SC2061     | ROHM       | 297       |
| 2SC2062     | ROHM       | 46        |
| 2SC2063     | ROHM       | 16        |
| 2SC2067     | FUJITSU    | 315       |
| 2SC2068     | TOSHIBA    | 376       |
| 2SC2071     | FUJITSU    | 157       |
| 2SC2073     | TOSHIBA    | 375       |
| 2SC2075     | TOSHIBA    |           |
| 2SC2078     | SANYO      | 235       |
| 2SC2120     | TOSHIBA    | 289A      |
| 2SC2166     | MITSUBISHI | 236       |
| 2SC2167     | SANKEN     | 375       |
| 2SC2168     | SANKEN     | 375       |
| 2SC2194     | TOSHIBA    | 49        |
| 2SC2206     | MATSUSHITA | 15        |
| 2SC2210     | SANYO      | 85        |
| 2SC2223     | NEC        |           |
| 2SC2228     | SANYO      | 399       |
| 2SC2229     | TOSHIBA    | 399       |
| 2SC2230     | TOSHIBA    | 399       |
| 2SC2231O    | TOSHIBA    | 198       |
| 2SC2233     | TOSHIBA    | 51        |
| 2SC2235     | TOSHIBA    |           |
| 2SC2236     | TOSHIBA    | 382       |
| 2SC2238     | TOSHIBA    |           |
| 2SC2240     | TOSHIBA    |           |
| 2SC2243     | FUJI       | 52        |
| 2SC2245     | FUJI       | 53        |
| 2SC2258     | MATSUSHITA | 2501      |
| 2SC2260     | SANKEN     | 87        |
| 2SC2267     | HITACHI    | 396       |
| 2SC2270     | TOSHIBA    |           |
| 2SC2271     | SANYO      | 399       |
| 2SC2274     | SANYO      | 289A      |
| 2SC2275     | NEC        | 375       |
| 2SC2278     | HITACHI    | 171       |
| 2SC2291     | MITSUBISHI | 44        |
| 2SC2298     | HITACHI    | 253       |
| 2SC2307     | SANKEN     | 2308      |
| 2SC2308     | HITACHI    | 289A      |
| 2SC2309     | HITACHI    | 199       |
| 2SC2310     | HITACHI    | 85        |
| 2SC2312     | MITSUBISHI | 236       |
| 2SC2314     | SANYO      | 295       |
| 2SC2315     | SANKEN     |           |
| 2SC2316     | SANKEN     |           |

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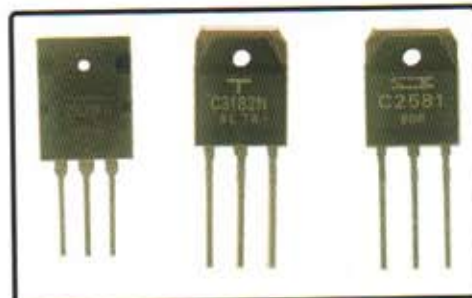
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| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC2317     | SANKEN     |           |
| 2SC2320     | mitsubishi | 85        |
| 2SC2328     | TOSHIBA    |           |
| 2SC2330     | NEC        | 399       |
| 2SC2331     | NEC        |           |
| 2SC2333     | NEC        | 379       |
| 2SC2334     | NEC        | 54        |
| 2SC2335     | NEC        | 379       |
| 2SC2336     | NEC        |           |
| 2SC2340     | NEC        |           |
| 2SC2344     | SANYO      | 375       |
| 2SC2347     | TOSHIBA    | 107       |
| 2SC2348     | TOSHIBA    | 69        |
| 2SC2352     | NEC        | 69        |
| 2SC2353     | NEC        | 64        |
| 2SC2362     | SANYO      | 26        |
| 2SC2363     | SANYO      | 194       |
| 2SC2365     | SANKEN     |           |
| 2SC2369     | NEC        | 64        |
| 2SC2371     | NEC        | 157       |
| 2SC2373     | NEC        |           |
| 2SC2375     | SANYO      | 399       |
| 2SC2377     | MATSUSHITA | 15        |
| 2SC2383     | TOSHIBA    | 31        |
| 2SC2389     | ROHM       | 90        |
| 2SC2410     | ROHM       | 319       |
| 2SC2412     | ROHM       | 2408      |
| 2SC2439     | FUJI       |           |
| 2SC2440     | FUJI       | 379       |
| 2SC2458     | TOSHIBA    | 85        |
| 2SC2459     | TOSHIBA    | 26        |
| 2SC2481     | TOSHIBA    | 373       |
| 2SC2482     | TOSHIBA    | 399       |
| 2SC2483     | TOSHIBA    |           |
| 2SC2485     | MATSUSHITA | 36        |
| 2SC2491     | SANKEN     |           |
| 2SC2497     | MATSUSHITA |           |
| 2SC2498     | TOSHIBA    | 23        |
| 2SC2499     | TOSHIBA    | 10        |
| 2SC2500     | TOSHIBA    | 2363      |
| 2SC2501     | SHINDENGEN | 51        |
| 2SC2502     | SHINDENGEN | 379       |
| 2SC2512     | HITACHI    | 229       |
| 2SC2516     | NEC        | 54        |
| 2SC2517     | NEC        |           |
| 2SC2525     | FUJITSU    |           |
| 2SC2527     | FUJITSU    |           |
| 2SC2542     | FUJI       | 379       |
| 2SC2551     | TOSHIBA    | 399       |
| 2SC2552     | TOSHIBA    | 51        |
| 2SC2553     | TOSHIBA    | 379       |
| 2SC2555     | TOSHIBA    | 2308      |
| 2SC2562     | TOSHIBA    | 377       |
| 2SC2564     | TOSHIBA    | 33        |
| 2SC2565     | TOSHIBA    | 33        |
| 2SC2570     | NEC        | 10        |
| 2SC2572     | NEC        |           |
| 2SC2577     | SANKEN     | 36        |
| 2SC2578     | SANKEN     | 36        |
| 2SC2579     | SANKEN     | 36        |
| 2SC2580     | SANKEN     | 36        |
| 2SC2581     | SANKEN     | 36        |
| 2SC2590     | MATSUSHITA |           |
| 2SC2591     | MATSUSHITA | 375       |
| 2SC2592     | MATSUSHITA | 375       |
| 2SC2603     | mitsubishi | 289A      |
| 2SC2610     | HITACHI    | 399       |
| 2SC2611     | HITACHI    | 157       |
| 2SC2616     | HITACHI    | 53        |
| 2SC2621     | SANYO      | 157       |
| 2SC2625     | FUJI       | 2308      |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC2626     | FUJI       |           |
| 2SC2630     | mitsubishi | 477       |
| 2SC2631     | MATSUSHITA | 399       |
| 2SC2632     | MATSUSHITA | 399       |
| 2SC2633     | MATSUSHITA | 376       |
| 2SC2634     | MATSUSHITA | 199       |
| 2SC2636     | MATSUSHITA | 15        |
| 2SC2653     | MATSUSHITA | 157       |
| 2SC2655     | TOSHIBA    | 2363      |
| 2SC2660     | MATSUSHITA | 375       |
| 2SC2665     | SANKEN     | 390       |
| 2SC2668     | TOSHIBA    | 229       |
| 2SC2669     | TOSHIBA    |           |
| 2SC2673     | ROHM       | 20        |
| 2SC2681     | NEC        | 36        |
| 2SC2682     | NEC        | 373       |
| 2SC2688     | NEC        | 157       |
| 2SC2690     | NEC        | 373       |
| 2SC2703     | TOSHIBA    | 382       |
| 2SC2705     | TOSHIBA    | 31        |
| 2SC2706     | TOSHIBA    | 36        |
| 2SC2710     | TOSHIBA    |           |
| 2SC2712     | TOSHIBA    | 2408      |
| 2SC2749     | NEC        | 2308      |
| 2SC2751     | NEC        | 2311      |
| 2SC2752     | NEC        | 2327      |
| 2SC2789     | FUJI       | 2308      |
| 2SC2771     | mitsubishi |           |
| 2SC2773     | SANKEN     | 58        |
| 2SC2774     | SANKEN     | 58        |
| 2SC2784     | NEC        | 26        |
| 2SC2785     | NEC        | 2361      |
| 2SC2786     | NEC        | 107       |
| 2SC2794     | TOSHIBA    |           |
| 2SC2809     | SANKEN     |           |
| 2SC2810     | SANKEN     | 379       |
| 2SC2812     | SANYO      | 2408      |
| 2SC2831     | MATSUSHITA | 2325      |
| 2SC2837     | SANKEN     | 36        |
| 2SC2838     | SANKEN     | 33        |
| 2SC2839     | SANYO      | 2361      |
| 2SC2878     | TOSHIBA    | 85        |
| 2SC2898     | HITACHI    | 379       |
| 2SC2908     | NEC        |           |
| 2SC2909     | SANYO      | 31        |
| 2SC2910     | SANYO      |           |
| 2SC2911     | SANYO      |           |
| 2SC2912     | SANYO      |           |
| 2SC2914     | TOSHIBA    | 53        |
| 2SC2921     | SANKEN     | 33        |
| 2SC2922     | SANKEN     | 58        |
| 2SC2923     | MATSUSHITA |           |
| 2SC2926     | ROHM       | 107       |
| 2SC2929     | FUJI       | 51        |
| 2SC2958     | NEC        |           |
| 2SC2979     | HITACHI    | 2325      |
| 2SC2999     | SANYO      | 107       |
| 2SC3000     | SANYO      | 85        |
| 2SC3012     | NEC        | 36        |
| 2SC3026     | HITACHI    |           |
| 2SC3030     | FUJI       |           |
| 2SC3038     | SANYO      | 51        |
| 2SC3039     | SANYO      | 379       |
| 2SC3040     | SANYO      | 2308      |
| 2SC3042     | SANYO      | 2308      |
| 2SC3047     | FUJI       |           |
| 2SC3051     | TOSHIBA    | 2327      |
| 2SC3053     | mitsubishi | 2406      |
| 2SC3063     | MATSUSHITA | 157       |
| 2SC3068     | SANYO      |           |
| 2SC3074     | TOSHIBA    | 2524      |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC3083     | SANYO      | 2309      |
| 2SC3086     | SANYO      | 2325      |
| 2SC3087     | SANYO      |           |
| 2SC3089     | SANYO      | 2348      |
| 2SC3090     | SANYO      | 2348      |
| 2SC3091     | SANYO      | 386       |
| 2SC3112     | TOSHIBA    |           |
| 2SC3116     | SANYO      | 373       |
| 2SC3117     | SANYO      | 373       |
| 2SC3136     | TOSHIBA    | 23        |
| 2SC3144     | SANYO      | 2545      |
| 2SC3148     | TOSHIBA    | 2325      |
| 2SC3149     | SANYO      | 2325      |
| 2SC3150     | SANYO      | 2325      |
| 2SC3152     | SANYO      | 2309      |
| 2SC3153     | SANYO      | 2309      |
| 2SC3156     | SANYO      |           |
| 2SC3157     | NEC        |           |
| 2SC3158     | NEC        |           |
| 2SC3163     | SHINDENGEN |           |
| 2SC3164     | SHINDENGEN |           |
| 2SC3169     | MATSUSHITA | 2337      |
| 2SC3170     | MATSUSHITA |           |
| 2SC3171     | MATSUSHITA | 2308      |
| 2SC3173     | SANYO      | 379       |
| 2SC3179     | SANKEN     | 377       |
| 2SC3180N    | TOSHIBA    | 36        |
| 2SC3181N    | TOSHIBA    | 36        |
| 2SC3182N    | TOSHIBA    | 36        |
| 2SC3183     | SANYO      | 2325      |
| 2SC3184     | SANYO      | 2325      |
| 2SC3192     | KEC        | 107       |
| 2SC3198     | KEC        | 85        |
| 2SC3199     | KEC        | 85        |
| 2SC3200     | KEC        |           |
| 2SC3202     | KEC        | 85        |
| 2SC3203     | KEC        |           |
| 2SC3205     | KEC        |           |
| 2SC3207     | KEC        | 399       |
| 2SC3208     | KEC        | 376       |
| 2SC3209     | NEC        |           |
| 2SC3210     | MATSUSHITA | 2308      |
| 2SC3212     | MATSUSHITA | 2348      |
| 2SC3228     | KEC        | 31        |
| 2SC3229     | KEC        | 2501      |
| 2SC3231     | KEC        | 51        |
| 2SC3244     | mitsubishi | 382       |
| 2SC3246     | mitsubishi |           |
| 2SC3257     | TOSHIBA    | 379       |
| 2SC3258     | TOSHIBA    | 377       |
| 2SC3259     | SHINDENGEN | 2325      |
| 2SC3260     | SHINDENGEN | 2309      |
| 2SC3262     | SHINDENGEN |           |
| 2SC3263     | SANKEN     | 2539      |
| 2SC3266     | TOSHIBA    | 11        |
| 2SC3271     | ROHM       | 2501      |
| 2SC3277     | SANYO      | 2308      |
| 2SC3279     | TOSHIBA    | 11        |
| 2SC3280     | TOSHIBA    | 2328      |
| 2SC3281     | TOSHIBA    | 2328      |

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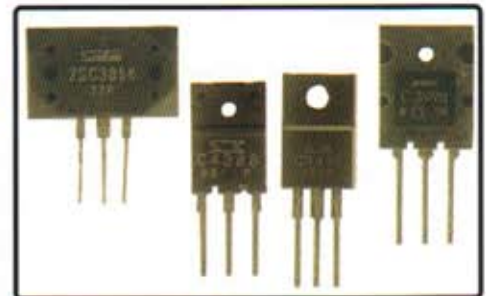
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| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC3284     | SANKEN     |           |
| 2SC3293     | SANYO      | 2332      |
| 2SC3296     | TOSHIBA    |           |
| 2SC3298     | TOSHIBA    |           |
| 2SC3299     | TOSHIBA    |           |
| 2SC3300     | SANKEN     |           |
| 2SC3303     | TOSHIBA    |           |
| 2SC3306     | TOSHIBA    | 2308      |
| 2SC3307     | TOSHIBA    |           |
| 2SC3309     | TOSHIBA    | 2337      |
| 2SC3310     | TOSHIBA    | 2337      |
| 2SC3311     | MATSUSHITA | 2361      |
| 2SC3312     | MATSUSHITA | 2361      |
| 2SC3317     | FUJI       |           |
| 2SC3318     | FUJI       |           |
| 2SC3320     | FUJI       |           |
| 2SC3327     | TOSHIBA    |           |
| 2SC3328     | TOSHIBA    |           |
| 2SC3330     | SANYO      | 2361      |
| 2SC3331     | SANYO      | 293       |
| 2SC3332     | SANYO      |           |
| 2SC3334     | TOSHIBA    | 399       |
| 2SC3335     | TOSHIBA    | 2327      |
| 2SC3336     | HITACHI    |           |
| 2SC3355     | NEC        |           |
| 2SC3358     | NEC        |           |
| 2SC3377     | ROHM       |           |
| 2SC3381     | TOSHIBA    |           |
| 2SC3387     | HITACHI    |           |
| 2SC3391     | HITACHI    |           |
| 2SC3399     | SANYO      | 2359      |
| 2SC3400     | SANYO      | 2357      |
| 2SC3402     | SANYO      | 2355      |
| 2SC3409     | SANKEN     | 2309      |
| 2SC3412     | HITACHI    |           |
| 2SC3416     | SANYO      | 2501      |
| 2SC3417     | SANYO      | 2501      |
| 2SC3419     | TOSHIBA    |           |
| 2SC3420     | TOSHIBA    | 2513      |
| 2SC3422     | TOSHIBA    | 2515      |
| 2SC3423     | TOSHIBA    |           |
| 2SC3446     | SANYO      | 2339      |
| 2SC3449     | SANYO      | 2348      |
| 2SC3450     | SANYO      | 2348      |
| 2SC3451     | SANYO      | 2596      |
| 2SC3456     | SANYO      |           |
| 2SC3457     | SANYO      |           |
| 2SC3459     | SANYO      | 2348      |
| 2SC3460     | SANYO      | 2348      |
| 2SC3461     | SANYO      | 2348      |
| 2SC3467     | SANYO      | 399       |
| 2SC3468     | SANYO      |           |
| 2SC3481     | SANYO      |           |
| 2SC3482     | SANYO      |           |
| 2SC3486     | SANYO      |           |
| 2SC3502     | SANYO      | 2501      |
| 2SC3503     | SANYO      | 2501      |
| 2SC3504     | SANYO      |           |
| 2SC3519     | SANKEN     |           |
| 2SC3552     | SANYO      | 2348      |
| 2SC3553     | HITACHI    | 2361      |
| 2SC3559     | TOSHIBA    | 2339      |
| 2SC3568     | NEC        |           |
| 2SC3591     | SANYO      | 2579      |
| 2SC3597     | SANYO      | 2511      |
| 2SC3611     | MATSUSHITA | 2506      |
| 2SC3616     | NEC        | 2503      |
| 2SC3619     | TOSHIBA    | 2501      |
| 2SC3620     | TOSHIBA    | 2501      |
| 2SC3621     | TOSHIBA    |           |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC3622     | NEC        |           |
| 2SC3623     | NEC        |           |
| 2SC3626     | TOSHIBA    |           |
| 2SC3631     | NEC        |           |
| 2SC3642     | SANYO      | 2324      |
| 2SC3643     | SANYO      | 2324      |
| 2SC3653     | SANYO      | 2359      |
| 2SC3666     | TOSHIBA    | 22        |
| 2SC3668     | TOSHIBA    |           |
| 2SC3675     | SANYO      |           |
| 2SC3678     | SANKEN     | 2309      |
| 2SC3679     | SANKEN     | 2309      |
| 2SC3680     | SANKEN     | 2324      |
| 2SC3685     | SANYO      | 2324      |
| 2SC3686     | SANYO      | 2324      |
| 2SC3688     | SANYO      | 2354      |
| 2SC3691     | NEC        |           |
| 2SC3692     | NEC        |           |
| 2SC3693     | NEC        |           |
| 2SC3694     | NEC        |           |
| 2SC3729     | HITACHI    | 2324      |
| 2SC3733     | NEC        |           |
| 2SC3743     | MATSUSHITA | 2339      |
| 2SC3752     | SANYO      |           |
| 2SC3779     | SANYO      |           |
| 2SC3780     | SANYO      | 2561      |
| 2SC3782     | SANYO      | 2507      |
| 2SC3785     | SANYO      | 2338      |
| 2SC3788     | SANYO      | 2501      |
| 2SC3789     | SANYO      | 2501      |
| 2SC3795     | MATSUSHITA | 2337      |
| 2SC3807     | SANYO      | 2504      |
| 2SC3811     | MATSUSHITA |           |
| 2SC3831     | SANKEN     | 2309      |
| 2SC3832     | SANKEN     | 2581      |
| 2SC3833     | SANKEN     |           |
| 2SC3834     | SANKEN     | 2579      |
| 2SC3851     | SANKEN     |           |
| 2SC3852     | SANKEN     |           |
| 2SC3853     | SANKEN     |           |
| 2SC3854     | SANKEN     | 36        |
| 2SC3855     | SANKEN     | 36        |
| 2SC3856     | SANKEN     | 2328      |
| 2SC3857     | SANKEN     | 58        |
| 2SC3858     | SANKEN     | 58        |
| 2SC3860     | SANYO      |           |
| 2SC3866     | FUJI       | 2339      |
| 2SC3870     | MATSUSHITA | 2337      |
| 2SC3881     | KEC        |           |
| 2SC3883     | HITACHI    | 2302      |
| 2SC3884     | TOSHIBA    |           |
| 2SC3885     | TOSHIBA    |           |
| 2SC3886     | TOSHIBA    |           |
| 2SC3890     | SANKEN     |           |
| 2SC3892     | TOSHIBA    | 2353      |
| 2SC3893     | TOSHIBA    | 2353      |
| 2SC3894     | SANYO      |           |
| 2SC3895     | SANYO      |           |
| 2SC3896     | SANYO      |           |
| 2SC3897     | SANYO      |           |
| 2SC3899     | SANYO      |           |
| 2SC3902     | SANYO      | 2519      |
| 2SC3907     | TOSHIBA    | 2328      |
| 2SC3939     | MATSUSHITA |           |
| 2SC3940     | MATSUSHITA |           |
| 2SC3943     | MATSUSHITA | 2574      |
| 2SC3944     | MATSUSHITA |           |
| 2SC3953     | SANYO      | 2508      |
| 2SC3955     | SANYO      | 2521      |
| 2SC3964     | TOSHIBA    |           |
| 2SC3973     | MATSUSHITA | 2337      |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC3987     | SANYO      | 2336      |
| 2SC3995     | MATSUSHITA | 2365      |
| 2SC3996     | MATSUSHITA | 2533      |
| 2SC3997     | MATSUSHITA | 2533      |
| 2SC3998     | MATSUSHITA | 2533      |
| 2SC4001     | NEC        |           |
| 2SC4024     | SANKEN     | 2582      |
| 2SC4026     | MATSUSHITA | 2337      |
| 2SC4029     | TOSHIBA    |           |
| 2SC4038     | ROHM       | 16        |
| 2SC4040     | ROHM       | 20        |
| 2SC4048     | SANYO      |           |
| 2SC4054     | SHINDENGEN | 2337      |
| 2SC4055     | SHINDENGEN |           |
| 2SC4056     | SHINDENGEN |           |
| 2SC4059     | SHINDENGEN |           |
| 2SC4064     | SANKEN     | 2582      |
| 2SC4073     | SANKEN     |           |
| 2SC4075     | SANYO      |           |
| 2SC4106     | SANYO      | 379       |
| 2SC4107     | SANYO      | 379       |
| 2SC4108     | SANYO      |           |
| 2SC4115     | ROHM       | 11        |
| 2SC4123     | SANYO      |           |
| 2SC4124     | SANYO      |           |
| 2SC4130     | SANKEN     |           |
| 2SC4137     | ROHM       | 2504      |
| 2SC4138     | SANKEN     |           |
| 2SC4142     | HITACHI    |           |
| 2SC4158     | MATSUSHITA |           |
| 2SC4159     | SANYO      | 54        |
| 2SC4160     | SANYO      | 2337      |
| 2SC4161     | SANYO      | 2337      |
| 2SC4204     | SANYO      | 2503      |
| 2SC4217     | SANYO      |           |
| 2SC4219     | SANYO      | 2580      |
| 2SC4226     | NEC        |           |
| 2SC4235     | SHINDENGEN |           |
| 2SC4236     | SHINDENGEN |           |
| 2SC4237     | SHINDENGEN |           |
| 2SC4242     | FUJI       | 2312      |
| 2SC4256     | SANYO      | 2588      |
| 2SC4257     | SANYO      | 2588      |
| 2SC4271     | SANYO      | 2510      |
| 2SC4273     | FUJI       | 2312      |
| 2SC4274     | FUJI       | 379       |
| 2SC4278     | ROHM       |           |
| 2SC4288A    | TOSHIBA    | 2365      |
| 2SC4297     | SANKEN     |           |
| 2SC4300     | SANKEN     |           |
| 2SC4301     | SANKEN     |           |
| 2SC4304     | SANKEN     | 2339      |
| 2SC4305     | NEC        |           |
| 2SC4382     | SANKEN     | 2582      |
| 2SC4385     | SANKEN     |           |
| 2SC4386     | SANKEN     |           |
| 2SC4387     | SANKEN     | 2328      |
| 2SC4388     | SANKEN     | 2328      |
| 2SC4408     | TOSHIBA    |           |
| 2SC4418     | SANKEN     | 2337      |

Semiconductors

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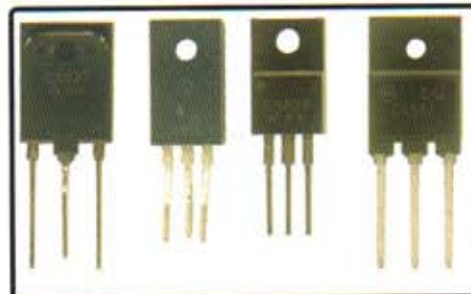
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# SEMICONDUCTORS

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC4419     | FUJI       |           |
| 2SC4421     | MATSUSHITA |           |
| 2SC4423     | SANYO      |           |
| 2SC4424     | SANYO      | 2538      |
| 2SC4429     | SANYO      | 2597      |
| 2SC4430     | SANYO      | 2597      |
| 2SC4431     | NEC        |           |
| 2SC4440     | SANYO      | 2337      |
| 2SC4466     | SANKEN     |           |
| 2SC4467     | SANKEN     | 36        |
| 2SC4468     | SANKEN     | 2308      |
| 2SC4474     | SANYO      |           |
| 2SC4488     | SANYO      |           |
| 2SC4507     | FUJITSU    |           |
| 2SC4508     | FUJITSU    |           |
| 2SC4511     | SANKEN     |           |
| 2SC4517     | SANKEN     | 2339      |
| 2SC4531     | TOSHIBA    | 2353      |
| 2SC4533     | MATSUSHITA | 2339      |
| 2SC4542     | TOSHIBA    |           |
| 2SC4544     | TOSHIBA    |           |
| 2SC4547     | SANYO      |           |
| 2SC4553     | NEC        |           |
| 2SC4558     | SANKEN     |           |
| 2SC4570     | NEC        |           |
| 2SC4581     | SHINDENGEN | 2348      |
| 2SC4582     | SHINDENGEN |           |
| 2SC4589     | HITACHI    |           |
| 2SC4634     | SANYO      | 2592      |
| 2SC4636     | SANYO      | 2592      |
| 2SC4662     | SANKEN     | 2337      |
| 2SC4663     | SHINDENGEN | 2582      |
| 2SC4664     | SHINDENGEN | 2337      |
| 2SC4688     | TOSHIBA    |           |
| 2SC4689     | TOSHIBA    |           |
| 2SC4706     | SANKEN     | 2598      |
| 2SC4722     | ROHM       |           |
| 2SC4732     | SANYO      |           |
| 2SC4742     | HITACHI    |           |
| 2SC4744     | HITACHI    | 2331      |
| 2SC4747     | HITACHI    |           |
| 2SC4762     | TOSHIBA    | 2353      |
| 2SC4763     | TOSHIBA    |           |
| 2SC4769     | SANYO      |           |
| 2SC4770     | SANYO      |           |
| 2SC4793     | TOSHIBA    |           |
| 2SC4820     | SANKEN     | 2325      |
| 2SC4833     | SHINDENGEN | 2582      |
| 2SC4834     | SHINDENGEN | 2582      |
| 2SC4837     | SANYO      |           |
| 2SC4883     | HITACHI    | 2576      |
| 2SC4886     | SANKEN     |           |
| 2SC4890     | SANYO      |           |
| 2SC4891     | SANYO      |           |
| 2SC4908     | SANKEN     |           |
| 2SC4916     | TOSHIBA    |           |
| 2SC4923     | SANYO      |           |
| 2SC4924     | SANYO      |           |
| 2SC4927     | HITACHI    |           |
| 2SC4953     | MATSUSHITA |           |
| 2SC4977     | FUJITSU    |           |
| 2SC5002     | SANKEN     |           |
| 2SC5020     | MATSUSHITA |           |
| 2SC5021     | MATSUSHITA |           |
| 2SC5027     | TOSHIBA    |           |
| 2SC5030     | TOSHIBA    |           |
| 2SC5039     | TOSHIBA    |           |
| 2SC5047     | SANYO      |           |
| 2SC5048     | TOSHIBA    |           |
| 2SC5071     | SANKEN     |           |
| 2SC5072     | ROHM       |           |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SC5099     | SANKEN     | 2534      |
| 2SC5100     | SANKEN     |           |
| 2SC5129     | TOSHIBA    |           |
| 2SC5130     | SANKEN     |           |
| 2SC5144     | TOSHIBA    |           |
| 2SC5147     | ROHM       |           |
| 2SC5148     | TOSHIBA    | 2300      |
| 2SC5149     | TOSHIBA    |           |
| 2SC5150     | TOSHIBA    |           |
| 2SC5171     | TOSHIBA    |           |
| 2SC5174     | TOSHIBA    |           |
| 2SC5197     | TOSHIBA    |           |
| 2SC5198     | TOSHIBA    |           |
| 2SC5200     | TOSHIBA    |           |
| 2SC5201     | TOSHIBA    |           |
| 2SC5207     | HITACHI    |           |
| 2SC5242     | TOSHIBA    |           |
| 2SC5244     | MATSUSHITA |           |
| 2SC5249     | SANKEN     |           |
| 2SC5250     | HITACHI    |           |
| 2SC5251     | HITACHI    |           |
| 2SC5271     | SANKEN     |           |
| 2SC5296     | SANYO      |           |
| 2SC5301     | SANYO      |           |
| 2SC5333     | SANKEN     | 2313      |
| 2SC5339     | TOSHIBA    |           |
| 2SC5359     | TOSHIBA    |           |
| 2SC5386     | TOSHIBA    |           |
| 2SC5404     | TOSHIBA    |           |
| 2SC5411     | TOSHIBA    |           |
| 2SC5422     | TOSHIBA    |           |
| 2SC5426     | HITACHI    |           |
| 2SC5609     | SANYO      |           |
| 2SC8050     | SAMSUNG    |           |
| 2SC8550     | SAMSUNG    |           |
| 2SC9012     | KEC        | 159       |
| 2SC9013     | KEC        | 85        |
| 2SC9014     | KEC        | 85        |
| 2SC9015     | KEC        | 159       |
| 2SC9018     | KEC        |           |
| <b>2SD</b>  |            |           |
| 2SD24       | SANYO      | 124       |
| 2SD73       | NEC        | 87        |
| 2SD91       | SANKEN     | 152       |
| 2SD93       | SANKEN     |           |
| 2SD113      | TOSHIBA    | 181       |
| 2SD128      | SONY       | 103A      |
| 2SD130      | TOSHIBA    | 175       |
| 2SD180      | NEC        | 87        |
| 2SD198      | MATSUSHITA | 94        |
| 2SD199      | MATSUSHITA | 164       |
| 2SD200      | MATSUSHITA | 389       |
| 2SD201      | SANKEN     | 87        |
| 2SD213      | SANKEN     | 280       |
| 2SD227      | NEC        | 85        |
| 2SD234      | TOSHIBA    | 152       |
| 2SD235      | TOSHIBA    | 152       |
| 2SD257      | SANKEN     | 196       |
| 2SD261      | NEC        | 192A      |
| 2SD287      | NEC        | 284       |
| 2SD288      | NEC        | 196       |
| 2SD291      | SONY       | 175       |
| 2SD292      | SONY       | 175       |
| 2SD299      | MATSUSHITA | 389       |
| 2SD313      | SANYO      | 152       |
| 2SD315      | SANYO      | 152       |
| 2SD317      | MATSUSHITA | 152       |
| 2SD318      | MATSUSHITA | 152       |
| 2SD320      | SANYO      | 162       |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD325      | SANYO      | 152       |
| 2SD330      | SANYO      | 152       |
| 2SD341      | HITACHI    | 130       |
| 2SD350      | MATSUSHITA | 165       |
| 2SD352      | MATSUSHITA | 103A      |
| 2SD357      | MITSUBISHI | 291       |
| 2SD358      | MITSUBISHI | 291       |
| 2SD362      | NEC        | 54        |
| 2SD380      | MATSUSHITA | 165       |
| 2SD381      | NEC        | 291       |
| 2SD382      | NEC        | 291       |
| 2SD383      | HITACHI    | 283       |
| 2SD386      | SANYO      | 375       |
| 2SD386A     | SANYO      | 375       |
| 2SD387      | SANYO      | 375       |
| 2SD388      | NEC        | 87        |
| 2SD389      | MATSUSHITA | 152       |
| 2SD390      | MATSUSHITA | 152       |
| 2SD400      | SANYO      | 382       |
| 2SD401      | NEC        | 375       |
| 2SD414      | NEC        | 373       |
| 2SD415      | NEC        | 373       |
| 2SD424      | TOSHIBA    | 284       |
| 2SD425      | TOSHIBA    | 280       |
| 2SD426      | TOSHIBA    | 280       |
| 2SD427      | TOSHIBA    | 280       |
| 2SD435      | OLD        |           |
| 2SD438      | SANYO      | 382       |
| 2SD439      | SANYO      | 373       |
| 2SD467      | HITACHI    | 85        |
| 2SD468      | HITACHI    | 293       |
| 2SD470      | MATSUSHITA | 321       |
| 2SD471      | NEC        | 293       |
| 2SD473      | HITACHI    | 249       |
| 2SD476      | HITACHI    | 196       |
| 2SD478      | HITACHI    | 375       |
| 2SD517      | MATSUSHITA | 389       |
| 2SD524      | TOSHIBA    | 249       |
| 2SD525      | TOSHIBA    | 54        |
| 2SD526      | TOSHIBA    | 241       |
| 2SD545      | SANYO      | 293       |
| 2SD549      | TOSHIBA    |           |
| 2SD553      | TOSHIBA    | 54        |
| 2SD554      | NEC        |           |
| 2SD555      | NEC        | 87        |
| 2SD556      | SANKEN     | 284       |
| 2SD560      | NEC        | 2326      |
| 2SD571      | NEC        | 293       |
| 2SD588      | NEC        | 380       |
| 2SD592      | MATSUSHITA | 293       |
| 2SD596      | NEC        | 2406      |
| 2SD600      | SANYO      | 373       |
| 2SD601      | MATSUSHITA | 2408      |
| 2SD612      | SANYO      | 184       |
| 2SD613      | SANYO      |           |
| 2SD617      | SANKEN     |           |
| 2SD621      | SANYO      | 62        |
| 2SD629      | HITACHI    | 247       |
| 2SD632      | MATSUSHITA | 94        |
| 2SD633      | TOSHIBA    | 261       |

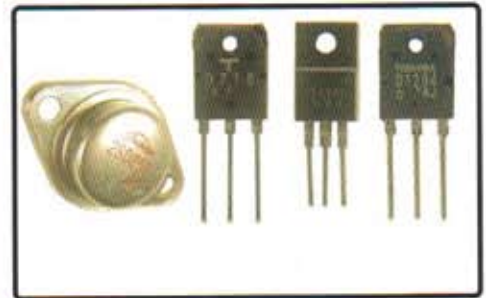
Semiconductores

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD634      | TOSHIBA    | 261       |
| 2SD635      | TOSHIBA    | 261       |
| 2SD636      | MATSUSHITA | 16        |
| 2SD637      | MATSUSHITA |           |
| 2SD638      | MATSUSHITA | 18        |
| 2SD639      | MATSUSHITA | 18        |
| 2SD641      | TOSHIBA    | 386       |
| 2SD647      | TOSHIBA    |           |
| 2SD655      | HITACHI    | 11        |
| 2SD657      | TOSHIBA    | 162       |
| 2SD662      | MATSUSHITA | 287       |
| 2SD665      | TOSHIBA    |           |
| 2SD667      | HITACHI    | 382       |
| 2SD668      | HITACHI    | 373       |
| 2SD669      | HITACHI    | 373       |
| 2SD675      | HITACHI    | 284       |
| 2SD676      | HITACHI    | 284       |
| 2SD686      | TOSHIBA    |           |
| 2SD716      | TOSHIBA    | 36        |
| 2SD717      | TOSHIBA    | 390       |
| 2SD718      | TOSHIBA    | 36        |
| 2SD725      | HITACHI    | 165       |
| 2SD726      | HITACHI    | 291       |
| 2SD731      | MATSUSHITA |           |
| 2SD732      | SANYO      | 87        |
| 2SD733      | SANYO      | 280       |
| 2SD734      | SANYO      | 85        |
| 2SD735      | HITACHI    | 92        |
| 2SD738      | HITACHI    | 92        |
| 2SD743      | NEC        | 291       |
| 2SD745      | NEC        | 92        |
| 2SD748      | HITACHI    | 87        |
| 2SD756      | HITACHI    | 90        |
| 2SD761      | SANYO      |           |
| 2SD763      | HITACHI    | 382       |
| 2SD766      | MATSUSHITA | 369       |
| 2SD772      | MATSUSHITA | 51        |
| 2SD773      | NEC        | 293       |
| 2SD774      | NEC        | 382       |
| 2SD776      | TOSHIBA    | 86        |
| 2SD777      | TOSHIBA    |           |
| 2SD786      | ROHM       | 85        |
| 2SD787      | HITACHI    | 11        |
| 2SD788      | HITACHI    | 11        |
| 2SD789      | HITACHI    | 315       |
| 2SD794      | NEC        | 184       |
| 2SD797      | TOSHIBA    |           |
| 2SD798      | TOSHIBA    |           |
| 2SD799      | TOSHIBA    |           |
| 2SD809      | NEC        | 373       |
| 2SD811      | TOSHIBA    |           |
| 2SD814      | MATSUSHITA | 2410      |
| 2SD819      | TOSHIBA    | 389       |
| 2SD820      | TOSHIBA    | 165       |
| 2SD822      | TOSHIBA    | 165       |
| 2SD823      | SANYO      | 379       |
| 2SD824      | HITACHI    | 92        |
| 2SD826      | SANYO      | 2513      |
| 2SD834      | FUJI       |           |
| 2SD836      | MATSUSHITA | 261       |
| 2SD837      | MATSUSHITA | 261       |
| 2SD838      | SANYO      | 62        |
| 2SD843      | TOSHIBA    | 377       |
| 2SD844      | TOSHIBA    | 36        |
| 2SD845      | TOSHIBA    | 33        |
| 2SD850      | MATSUSHITA | 389       |
| 2SD856      | MATSUSHITA | 54        |
| 2SD857      | MATSUSHITA | 54        |
| 2SD859      | MATSUSHITA | 198       |
| 2SD861      | MATSUSHITA |           |
| 2SD863      | SANYO      | 382       |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD866      | MATSUSHITA | 54        |
| 2SD869      | TOSHIBA    | 89        |
| 2SD870      | TOSHIBA    | 89        |
| 2SD871      | TOSHIBA    | 89        |
| 2SD873      | TOSHIBA    | 388       |
| 2SD874      | MATSUSHITA | 2428      |
| 2SD876      | MATSUSHITA |           |
| 2SD879      | SANYO      | 11        |
| 2SD880      | TOSHIBA    | 152       |
| 2SD882      | NEC        |           |
| 2SD884      | MATSUSHITA | 379       |
| 2SD892      | MATSUSHITA | 46        |
| 2SD893      | MATSUSHITA |           |
| 2SD894      | SANYO      |           |
| 2SD895      | SANYO      | 36        |
| 2SD897      | HITACHI    | 89        |
| 2SD898      | HITACHI    | 89        |
| 2SD900      | HITACHI    | 89        |
| 2SD917      | MATSUSHITA | 2308      |
| 2SD920      | FUJI       | 2307      |
| 2SD921      | FUJI       | 2307      |
| 2SD946      | MATSUSHITA | 253       |
| 2SD947      | ROHM       |           |
| 2SD950      | MATSUSHITA | 89        |
| 2SD951      | MATSUSHITA | 89        |
| 2SD957      | HITACHI    | 89        |
| 2SD958      | MATSUSHITA | 90        |
| 2SD959      | MATSUSHITA | 54        |
| 2SD965      | MATSUSHITA | 11        |
| 2SD968      | MATSUSHITA | 2430      |
| 2SD970      | HITACHI    | 2343      |
| 2SD972      | SANKEN     | 2334      |
| 2SD973      | MATSUSHITA | 20        |
| 2SD979      | SANYO      |           |
| 2SD985      | NEC        |           |
| 2SD986      | NEC        | 2544      |
| 2SD992      | NEC        |           |
| 2SD998      | NEC        |           |
| 2SD1005     | NEC        |           |
| 2SD1012     | SANYO      |           |
| 2SD1020     | NEC        |           |
| 2SD1021     | NEC        |           |
| 2SD1024     | SHINDENGEN |           |
| 2SD1030     | MATSUSHITA |           |
| 2SD1044     | MATSUSHITA | 270       |
| 2SD1046     | SANYO      | 36        |
| 2SD1047     | SANYO      | 36        |
| 2SD1048     | SANYO      | 2406      |
| 2SD1051     | SANYO      |           |
| 2SD1052     | TOSHIBA    | 56        |
| 2SD1055     | ROHM       |           |
| 2SD1060     | SANYO      | 377       |
| 2SD1061     | SANYO      | 377       |
| 2SD1062     | SANYO      | 377       |
| 2SD1063     | SANYO      | 2304      |
| 2SD1064     | SANYO      | 2304      |
| 2SD1065     | SANYO      | 2304      |
| 2SD1071     | FUJI       |           |
| 2SD1073     | FUJI       |           |
| 2SD1088     | TOSHIBA    |           |
| 2SD1090     | TOSHIBA    | 2307      |
| 2SD1092     | TOSHIBA    | 2330      |
| 2SD1111     | SANYO      |           |
| 2SD1133     | HITACHI    | 291       |
| 2SD1135     | HITACHI    | 291       |
| 2SD1136     | HITACHI    | 51        |
| 2SD1138     | HITACHI    | 375       |
| 2SD1140     | TOSHIBA    |           |
| 2SD1142     | NEC        | 389       |
| 2SD1145     | SANYO      |           |
| 2SD1148     | TOSHIBA    | 36        |



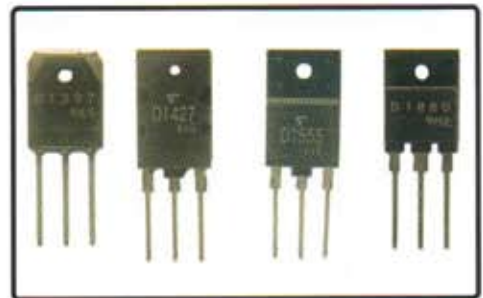
| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD1153     | SANYO      |           |
| 2SD1159     | SANYO      |           |
| 2SD1160     | TOSHIBA    |           |
| 2SD1163     | HITACHI    | 379       |
| 2SD1168     | MATSUSHITA | 165       |
| 2SD1169     | MATSUSHITA |           |
| 2SD1170     | SANKEN     |           |
| 2SD1171     | MATSUSHITA | 89        |
| 2SD1173     | MATSUSHITA | 89        |
| 2SD1175     | MATSUSHITA | 89        |
| 2SD1187     | TOSHIBA    | 36        |
| 2SD1189     | ROHM       |           |
| 2SD1190     | SANYO      | 263       |
| 2SD1191     | SANYO      | 263       |
| 2SD1192     | SANYO      | 263       |
| 2SD1193     | SANYO      | 2541      |
| 2SD1194     | SANYO      | 261       |
| 2SD1195     | SANYO      | 261       |
| 2SD1196     | SANYO      | 263       |
| 2SD1197     | SANYO      | 2541      |
| 2SD1198     | MATSUSHITA |           |
| 2SD1206     | MATSUSHITA |           |
| 2SD1207     | SANYO      | 2363      |
| 2SD1212     | SANYO      |           |
| 2SD1213     | SANYO      |           |
| 2SD1220     | TOSHIBA    | 2528      |
| 2SD1223     | TOSHIBA    | 2351      |
| 2SD1225     | ROHM       | 20        |
| 2SD1226     | ROHM       | 18        |
| 2SD1227     | ROHM       | 2551      |
| 2SD1230     | SANYO      | 2541      |
| 2SD1235     | SANYO      | 54        |
| 2SD1236     | SANYO      | 54        |
| 2SD1237     | SANYO      | 54        |
| 2SD1244     | MATSUSHITA | 11        |
| 2SD1246     | SANYO      | 11        |
| 2SD1247     | SANYO      |           |
| 2SD1250     | MATSUSHITA |           |
| 2SD1259     | MATSUSHITA |           |
| 2SD1263     | MATSUSHITA |           |
| 2SD1264     | MATSUSHITA |           |
| 2SD1265     | MATSUSHITA |           |
| 2SD1266     | MATSUSHITA |           |
| 2SD1267     | MATSUSHITA |           |
| 2SD1271     | MATSUSHITA |           |
| 2SD1273     | MATSUSHITA |           |
| 2SD1274     | MATSUSHITA |           |
| 2SD1275     | MATSUSHITA |           |
| 2SD1276     | MATSUSHITA |           |
| 2SD1277     | MATSUSHITA |           |
| 2SD1279     | TOSHIBA    |           |
| 2SD1288     | NEC        | 36        |
| 2SD1289     | NEC        | 36        |
| 2SD1290     | TOSHIBA    | 2302      |
| 2SD1293     | ROHM       | 22        |
| 2SD1294     | TOSHIBA    | 2335      |
| 2SD1302     | MATSUSHITA | 11        |
| 2SD1308     | NEC        | 2326      |
| 2SD1309     | NEC        | 2326      |
| 2SD1312     | NEC        | 24        |

Semiconductores

# SEMICONDUCTORS

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD1317     | MATSUSHITA |           |
| 2SD1320     | MATSUSHITA | 2340      |
| 2SD1321     | MATSUSHITA | 2340      |
| 2SD1325     | MATSUSHITA | 2336      |
| 2SD1326     | MATSUSHITA | 2336      |
| 2SD1327     | MATSUSHITA | 2336      |
| 2SD1330     | MATSUSHITA | 13        |
| 2SD1341     | SANYO      | 165       |
| 2SD1347     | SANYO      |           |
| 2SD1348     | SANYO      | 2513      |
| 2SD1349     | SHINDENGEN | 2550      |
| 2SD1376     | HITACHI    | 2544      |
| 2SD1380     | ROHM       | 184       |
| 2SD1384     | ROHM       |           |
| 2SD1388     | SANYO      |           |
| 2SD1390     | MATSUSHITA | 2303      |
| 2SD1392     | NEC        |           |
| 2SD1395     | SANYO      | 2334      |
| 2SD1396     | SANYO      | 2302      |
| 2SD1397     | SANYO      | 2302      |
| 2SD1398     | SANYO      | 2302      |
| 2SD1399     | SANYO      | 2302      |
| 2SD1402     | SANYO      |           |
| 2SD1403     | SANYO      |           |
| 2SD1406     | TOSHIBA    |           |
| 2SD1407     | TOSHIBA    | 331       |
| 2SD1408     | TOSHIBA    |           |
| 2SD1409     | TOSHIBA    | 2540      |
| 2SD1411     | TOSHIBA    |           |
| 2SD1412     | TOSHIBA    |           |
| 2SD1414     | TOSHIBA    |           |
| 2SD1415     | TOSHIBA    |           |
| 2SD1423     | MATSUSHITA | 2361      |
| 2SD1425     | TOSHIBA    |           |
| 2SD1426     | TOSHIBA    |           |
| 2SD1427     | TOSHIBA    |           |
| 2SD1428     | TOSHIBA    |           |
| 2SD1429     | TOSHIBA    |           |
| 2SD1430     | TOSHIBA    |           |
| 2SD1431     | TOSHIBA    |           |
| 2SD1432     | TOSHIBA    |           |
| 2SD1433     | TOSHIBA    |           |
| 2SD1438     | TOSHIBA    |           |
| 2SD1439     | MATSUSHITA | 2302      |
| 2SD1441     | MATSUSHITA | 2302      |
| 2SD1444     | MATSUSHITA | 377       |
| 2SD1445     | MATSUSHITA |           |
| 2SD1450     | MATSUSHITA | 2361      |
| 2SD1453     | HITACHI    | 2302      |
| 2SD1454     | HITACHI    |           |
| 2SD1455     | HITACHI    | 2302      |
| 2SD1457     | MATSUSHITA |           |
| 2SD1458     | MATSUSHITA | 2505      |
| 2SD1468     | ROHM       | 11        |
| 2SD1469     | ROHM       | 20        |
| 2SD1478     | MATSUSHITA | 2404      |
| 2SD1485     | MATSUSHITA | 36        |
| 2SD1497     | HITACHI    |           |
| 2SD1499     | MATSUSHITA |           |
| 2SD1505     | ROHM       | 377       |
| 2SD1506     | ROHM       | 184       |
| 2SD1513     | NEC        | 11        |
| 2SD1518     | TOSHIBA    |           |
| 2SD1523     | HITACHI    |           |
| 2SD1535     | MATSUSHITA |           |
| 2SD1541     | MATSUSHITA | 2302      |
| 2SD1545     | TOSHIBA    |           |
| 2SD1546     | TOSHIBA    |           |
| 2SD1554     | TOSHIBA    | 2331      |
| 2SD1555     | TOSHIBA    | 2331      |
| 2SD1556     | TOSHIBA    | 2331      |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD1565     | NEC        |           |
| 2SD1577     | MATSUSHITA |           |
| 2SD1581     | NEC        |           |
| 2SD1582     | NEC        |           |
| 2SD1585     | NEC        |           |
| 2SD1589     | NEC        |           |
| 2SD1590     | NEC        |           |
| 2SD1609     | HITACHI    | 373       |
| 2SD1616     | NEC        | 382       |
| 2SD1632     | MATSUSHITA | 2302      |
| 2SD1640     | MATSUSHITA |           |
| 2SD1641     | MATSUSHITA | 2330      |
| 2SD1649     | SANYO      | 2331      |
| 2SD1650     | SANYO      | 2331      |
| 2SD1651     | SANYO      | 2331      |
| 2SD1652     | SANYO      | 2331      |
| 2SD1664     | ROHM       |           |
| 2SD1666     | SANYO      |           |
| 2SD1669     | SANYO      | 2566      |
| 2SD1682     | SANYO      | 2517      |
| 2SD1684     | SANYO      |           |
| 2SD1689     | HITACHI    |           |
| 2SD1706     | MATSUSHITA |           |
| 2SD1708     | TOSHIBA    |           |
| 2SD1709     | SANYO      | 2302      |
| 2SD1710     | SANYO      |           |
| 2SD1711     | SANYO      | 2331      |
| 2SD1713     | MATSUSHITA |           |
| 2SD1714     | MATSUSHITA |           |
| 2SD1717     | MATSUSHITA | 2328      |
| 2SD1718     | MATSUSHITA | 2328      |
| 2SD1729     | MATSUSHITA | 2302      |
| 2SD1732     | MATSUSHITA | 2318      |
| 2SD1739     | MATSUSHITA |           |
| 2SD1741     | MATSUSHITA | 2530      |
| 2SD1749     | MATSUSHITA | 2351      |
| 2SD1758     | ROHM       |           |
| 2SD1760     | ROHM       |           |
| 2SD1761     | ROHM       |           |
| 2SD1762     | ROHM       |           |
| 2SD1763     | ROHM       |           |
| 2SD1764     | ROHM       |           |
| 2SD1765     | ROHM       |           |
| 2SD1769     | SANKEN     | 2343      |
| 2SD1776     | SANKEN     |           |
| 2SD1778     | ROHM       | 152       |
| 2SD1783     | ROHM       | 2334      |
| 2SD1789     | SHINDENGEN | 2553      |
| 2SD1795     | SHINDENGEN | 2550      |
| 2SD1796     | SANKEN     | 2336      |
| 2SD1802     | SANYO      |           |
| 2SD1812     | ROHM       |           |
| 2SD1815     | SANYO      | 2526      |
| 2SD1825     | SANYO      | 2551      |
| 2SD1827     | SANYO      |           |
| 2SD1830     | SANYO      | 2547      |
| 2SD1833     | ROHM       |           |
| 2SD1835     | SANYO      |           |
| 2SD1843     | NEC        |           |
| 2SD1846     | MATSUSHITA | 2331      |
| 2SD1847     | MATSUSHITA |           |
| 2SD1849     | MATSUSHITA |           |
| 2SD1850     | MATSUSHITA |           |
| 2SD1853     | SANYO      |           |
| 2SD1856     | ROHM       | 2336      |
| 2SD1857     | ROHM       |           |
| 2SD1858     | ROHM       | 20        |
| 2SD1859     | ROHM       | 18        |
| 2SD1876     | SANYO      | 2331      |
| 2SD1877     | SANYO      | 2331      |
| 2SD1878     | SANYO      | 2331      |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
|-------------|------------|-----------|

|         |            |      |
|---------|------------|------|
| 2SD1879 | SANYO      | 2331 |
| 2SD1880 | SANYO      | 2353 |
| 2SD1881 | SANYO      | 2353 |
| 2SD1885 | SANYO      |      |
| 2SD1886 | SANYO      |      |
| 2SD1887 | SANYO      |      |
| 2SD1893 | MATSUSHITA |      |
| 2SD1895 | MATSUSHITA |      |
| 2SD1897 | ROHM       |      |
| 2SD1910 | HITACHI    | 2302 |
| 2SD1911 | HITACHI    | 2302 |
| 2SD1913 | SANYO      |      |
| 2SD1915 | MATSUSHITA |      |
| 2SD1933 | ROHM       |      |
| 2SD1941 | HITACHI    |      |
| 2SD1944 | ROHM       |      |
| 2SD1947 | TOSHIBA    |      |
| 2SD1959 | HITACHI    |      |
| 2SD1975 | MATSUSHITA | 2328 |
| 2SD1985 | MATSUSHITA |      |
| 2SD1990 | MATSUSHITA | 377  |
| 2SD1991 | MATSUSHITA |      |
| 2SD1992 | MATSUSHITA |      |
| 2SD1994 | MATSUSHITA |      |
| 2SD1996 | MATSUSHITA |      |
| 2SD2004 | ROHM       |      |
| 2SD2005 | ROHM       | 24   |
| 2SD2006 | ROHM       | 24   |
| 2SD2007 | ROHM       |      |
| 2SD2008 | ROHM       | 24   |
| 2SD2011 | ROHM       |      |
| 2SD2012 | TOSHIBA    |      |
| 2SD2018 | MATSUSHITA |      |
| 2SD2023 | ROHM       | 152  |
| 2SD2025 | ROHM       |      |
| 2SD2053 | MATSUSHITA | 36   |
| 2SD2058 | SAMSUNG    |      |
| 2SD2060 | KEC        |      |
| 2SD2061 | ROHM       |      |
| 2SD2065 | MATSUSHITA |      |
| 2SD2083 | SANKEN     | 2541 |
| 2SD2089 | TOSHIBA    | 2331 |
| 2SD2092 | TOSHIBA    |      |
| 2SD2095 | TOSHIBA    | 2331 |
| 2SD2096 | ROHM       |      |
| 2SD2125 | TOSHIBA    | 2331 |
| 2SD2136 | MATSUSHITA |      |
| 2SD2137 | MATSUSHITA |      |
| 2SD2144 | ROHM       |      |
| 2SD2148 | HITACHI    |      |
| 2SD2151 | MATSUSHITA |      |
| 2SD2155 | TOSHIBA    | 2328 |
| 2SD2202 | SANYO      | 2570 |
| 2SD2222 | MATSUSHITA |      |
| 2SD2225 | MATSUSHITA |      |
| 2SD2227 | ROHM       |      |
| 2SD2231 | SANKEN     | 2541 |
| 2SD2251 | SANYO      | 2353 |
| 2SD2253 | TOSHIBA    |      |
| 2SD2255 | MATSUSHITA |      |

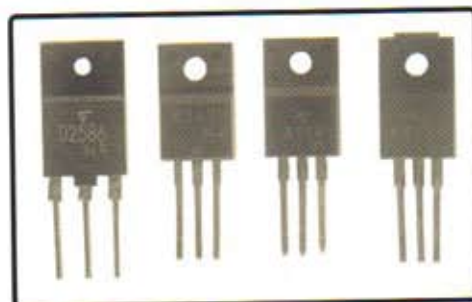
Semiconductores

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SD2259     | MATSUSHITA | 2505      |
| 2SD2293     | HITACHI    |           |
| 2SD2328     | MATSUSHITA |           |
| 2SD2331     | MATSUSHITA | 2331      |
| 2SD2333     | MATSUSHITA | 2331      |
| 2SD2334     | MATSUSHITA |           |
| 2SD2335     | MATSUSHITA |           |
| 2SD2340     | MATSUSHITA |           |
| 2SD2348     | TOSHIBA    | 2353      |
| 2SD2349     | TOSHIBA    | 2353      |
| 2SD2374     | MATSUSHITA | 2570      |
| 2SD2375     | MATSUSHITA |           |
| 2SD2386     | TOSHIBA    |           |
| 2SD2387     | TOSHIBA    |           |
| 2SD2389     | SANKEN     |           |
| 2SD2390     | SANKEN     |           |
| 2SD2394     | ROHM       |           |
| 2SD2395     | ROHM       |           |
| 2SD2396     | ROHM       |           |
| 2SD2400     | ROHM       |           |
| 2SD2401     | SANKEN     |           |
| 2SD2437     | SANKEN     | 2559      |
| 2SD2438     | SANKEN     | 2559      |
| 2SD2439     | SANKEN     | 2559      |
| 2SD2449     | TOSHIBA    |           |
| 2SD2478     | ROHM       |           |
| 2SD2488     | SANKEN     |           |
| 2SD2493     | SANKEN     |           |
| 2SD2494     | SANKEN     |           |
| 2SD2495     | SANKEN     |           |
| 2SD2498     | TOSHIBA    |           |
| 2SD2499     | TOSHIBA    |           |
| 2SD2525     | TOSHIBA    |           |
| 2SD2539     | TOSHIBA    | 2353      |
| 2SD2558     | SANKEN     |           |
| 2SD2560     | SANKEN     |           |
| 2SD2578     | SANYO      |           |
| 2SD2580     | SANYO      |           |
| 2SD2586     | TOSHIBA    |           |
| 2SD2599     | TOSHIBA    |           |
| 2SD5071     | SAMSUNG    | 2331      |
| 2SD5072     | SAMSUNG    |           |
| 2SD5075     | SAMSUNG    |           |
| <b>2SJ</b>  |            |           |
| 2SJ49       | HITACHI    |           |
| 2SJ103      | TOSHIBA    | 326       |
| 2SJ105      | TOSHIBA    | 326       |
| 2SJ108      | TOSHIBA    |           |
| 2SJ109      | TOSHIBA    |           |
| 2SJ143      | NEC        |           |
| 2SJ176      | HITACHI    |           |
| 2SJ177      | HITACHI    |           |
| 2SJ306      | SANYO      |           |
| 2SJ449      | NEC        |           |
| <b>2SK</b>  |            |           |
| 2SK30       | HITACHI    | 459       |
| 2SK33       | mitsubishi | 451       |
| 2SK34       | mitsubishi |           |
| 2SK43       | SONY       | 458       |
| 2SK45       | NEC        | 456       |
| 2SK68       | NEC        | 458       |
| 2SK104      | NEC        | 312       |
| 2SK105      | NEC        | 459       |
| 2SK107      | SONY       | 459       |
| 2SK107      | SONY       | 458       |
| 2SK117      | TOSHIBA    | 458       |
| 2SK118      | TOSHIBA    | 458       |
| 2SK125      | SONY       |           |

| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SK135      | HITACHI    |           |
| 2SK136      | MATSUSHITA |           |
| 2SK161      | TOSHIBA    | 451       |
| 2SK163      | NEC        |           |
| 2SK168      | HITACHI    | 312       |
| 2SK184      | TOSHIBA    |           |
| 2SK192      | TOSHIBA    | 459       |
| 2SK193      | NEC        |           |
| 2SK212      | SANYO      |           |
| 2SK246      | TOSHIBA    |           |
| 2SK295      | HITACHI    | 66        |
| 2SK301      | MATSUSHITA | 459       |
| 2SK304      | SANYO      | 312       |
| 2SK308      | HITACHI    |           |
| 2SK315      | SANYO      |           |
| 2SK319      | HITACHI    | 67        |
| 2SK320      | HITACHI    | 2398      |
| 2SK332      | SANYO      |           |
| 2SK346      | HITACHI    |           |
| 2SK365      | TOSHIBA    |           |
| 2SK369      | TOSHIBA    |           |
| 2SK381      | MITSUBISHI |           |
| 2SK385      | TOSHIBA    |           |
| 2SK386      | TOSHIBA    |           |
| 2SK387      | TOSHIBA    | 2376      |
| 2SK389      | TOSHIBA    |           |
| 2SK399      | HITACHI    |           |
| 2SK415      | HITACHI    | 2378      |
| 2SK427      | SANYO      |           |
| 2SK435      | HITACHI    |           |
| 2SK439      | HITACHI    |           |
| 2SK525      | TOSHIBA    |           |
| 2SK526      | TOSHIBA    |           |
| 2SK531      | TOSHIBA    |           |
| 2SK532      | TOSHIBA    |           |
| 2SK534      | HITACHI    | 2378      |
| 2SK538      | TOSHIBA    | 2378      |
| 2SK544      | SANYO      |           |
| 2SK553      | HITACHI    | 2398      |
| 2SK555      | HITACHI    | 2385      |
| 2SK557      | HITACHI    | 2394      |
| 2SK641      | HITACHI    | 2394      |
| 2SK643      | TOSHIBA    | 2394      |
| 2SK644      | TOSHIBA    | 2394      |
| 2SK669      | SANYO      | 490       |
| 2SK673      | TOSHIBA    |           |
| 2SK688      | SANYO      |           |
| 2SK724      | FUJI       | 2394      |
| 2SK725      | FUJI       |           |
| 2SK727      | FUJI       | 2377      |
| 2SK733      | MITSUBISHI |           |
| 2SK735      | NEC        | 2394      |
| 2SK758      | MATSUSHITA |           |
| 2SK769      | MATSUSHITA |           |
| 2SK787      | NEC        | 2377      |
| 2SK790      | TOSHIBA    |           |
| 2SK791      | TOSHIBA    |           |
| 2SK792      | TOSHIBA    |           |
| 2SK793      | TOSHIBA    | 2377      |
| 2SK794      | TOSHIBA    | 2377      |
| 2SK796      | MATSUSHITA |           |
| 2SK817      | NEC        |           |
| 2SK854      | NEC        | 2398      |
| 2SK874      | NEC        | 2394      |
| 2SK875      | NEC        | 2394      |
| 2SK903      | FUJI       |           |
| 2SK904      | FUJI       | 2387      |
| 2SK947      | FUJI       |           |
| 2SK949      | FUJI       |           |
| 2SK955      | FUJI       | 2377      |
| 2SK956      | FUJI       | 2377      |



| PART NUMBER | BRAND NAME | ECG / NTE |
|-------------|------------|-----------|
| 2SK962      | FUJI       |           |
| 2SK1011     | FUJI       |           |
| 2SK1030     | MATSUSHITA |           |
| 2SK1050     | SANYO      |           |
| 2SK1058     | HITACHI    |           |
| 2SK1094     | HITACHI    |           |
| 2SK1102     | FUJI       |           |
| 2SK1112     | TOSHIBA    | 2980      |
| 2SK1117     | TOSHIBA    | 2379      |
| 2SK1118     | TOSHIBA    | 2947      |
| 2SK1120     | TOSHIBA    |           |
| 2SK1181     | SANKEN     |           |
| 2SK1190     | SANKEN     |           |
| 2SK1191     | SANKEN     |           |
| 2SK1201     | HITACHI    |           |
| 2SK1250     | SHINDENGEN |           |
| 2SK1257     | MATSUSHITA |           |
| 2SK1288     | NEC        | 2987      |
| 2SK1307     | HITACHI    |           |
| 2SK1341     | HITACHI    |           |
| 2SK1350     | TOSHIBA    | 2944      |
| 2SK1356     | TOSHIBA    |           |
| 2SK1357     | TOSHIBA    |           |
| 2SK1358     | TOSHIBA    | 2377      |
| 2SK1378     | TOSHIBA    |           |
| 2SK1419     | SANYO      |           |
| 2SK1420     | SANYO      |           |
| 2SK1445     | SANYO      |           |
| 2SK1446     | SANYO      |           |
| 2SK1447     | SANYO      |           |
| 2SK1461     | SANYO      |           |
| 2SK1463     | SANYO      |           |
| 2SK1487     | TOSHIBA    |           |
| 2SK1488     | TOSHIBA    |           |
| 2SK1507     | FUJI       |           |
| 2SK1537     | SHINDENGEN | 2377      |
| 2SK1542     | TOSHIBA    | 2986      |
| 2SK1574     | TOSHIBA    |           |
| 2SK1595     | NEC        |           |
| 2SK1611     | MATSUSHITA |           |
| 2SK1642     | TOSHIBA    |           |
| 2SK1691     | SANYO      |           |
| 2SK1692     | TOSHIBA    |           |
| 2SK1693     | SHINDENGEN |           |
| 2SK1695     | SHINDENGEN |           |
| 2SK1758     | NEC        |           |
| 2SK1794     | NEC        |           |
| 2SK1916     | FUJI       |           |
| 2SK1917     | FUJI       |           |
| 2SK1924     | SANYO      | 2379      |
| 2SK1940     | FUJI       |           |
| 2SK1953     | NEC        |           |
| 2SK1957     | HITACHI    |           |
| 2SK2023     | FUJI       |           |
| 2SK2038     | TOSHIBA    |           |
| 2SK2039     | TOSHIBA    |           |
| 2SK2043     | SANYO      |           |
| 2SK2056     | TOSHIBA    |           |
| 2SK2137     | NEC        |           |
| 2SK2139     | NEC        |           |

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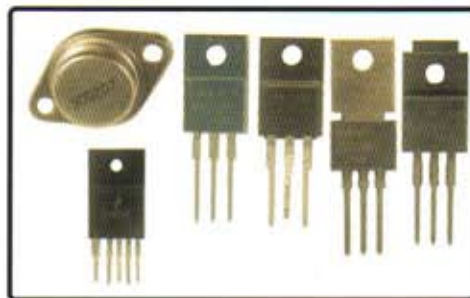
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| PART NUMBER      | BRAND NAME | ECG / NTE |
|------------------|------------|-----------|
| 2SK2141          | NEC        |           |
| 2SK2161          | SANYO      |           |
| 2SK2194          | SHINDENGEN |           |
| 2SK2208          | SANKEN     |           |
| 2SK2223          | FUJI       |           |
| 2SK2236          | TOSHIBA    |           |
| 2SK2237          | TOSHIBA    |           |
| 2SK2255          | FUJI       |           |
| 2SK2324          | MATSUSHITA |           |
| 2SK2333          | SHINDENGEN |           |
| 2SK2358          | NEC        |           |
| 2SK2423          | SANYO      |           |
| 2SK2434          | SANYO      |           |
| 2SK2485          | NEC        |           |
| 2SK2545          | TOSHIBA    |           |
| 2SK2564          | SHINDENGEN | 399       |
| 2SK2645          | FUJI       |           |
| 2SK2699          | TOSHIBA    |           |
| 2SK2723          | NEC        |           |
| 2SK2937          | HITACHI    |           |
| <b>3DD - 3SK</b> |            |           |
| 3DD200           | CH         |           |
| 3DD207           | CH         |           |
| 3S0680RF         | TOSHIBA    |           |
| 3S4M             | NEC        | 5424      |
| 3SK122           | NEC        |           |
| 3SK39            | MATSUSHITA | 222       |
| 3SK45            | HITACHI    |           |
| <b>4N</b>        |            |           |
| 4N25             | MOTOROLA   | 3040      |
| 4N26             | MOTOROLA   | 3040      |
| 4N28             | MOTOROLA   | 3040      |
| 4N30             | MOTOROLA   | 3084      |
| 4N35             | MOTOROLA   | 3041      |
| 4N36             | MOTOROLA   | 3041      |
| <b>6N</b>        |            |           |
| 6N137            | MOTOROLA   | 3087      |
| <b>78L</b>       |            |           |
| 78L05            | KEC        | 977       |
| 78L12            | KEC        | 950       |
| 78L15            | KEC        | 951       |


| PART NUMBER   | BRAND NAME | ECG / NTE |
|---|------------|-----------|
|  |            |           |
| <h2>GENERAL PURPOSE DIODES</h2>   |            |           |



|        |  |       |
|--------|--|-------|
| 1N4001 |  | 116   |
| 1N4003 |  | 116   |
| 1N4004 |  | 116   |
| 1N4007 |  | 125   |
| 1N4148 |  | 519   |
| 1N4735 |  | 137A  |
| 1N4746 |  | 5077A |
| 1N5233 |  | 5012A |
| 1N5243 |  | 5022A |
| 1N5398 |  | 5808  |
| 1N5408 |  | 5809  |
| 1N5818 |  | 585   |
| 1S1588 |  | 519   |


## VOLTAGE REGULATORS

**P N P**

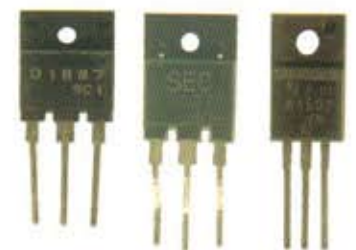
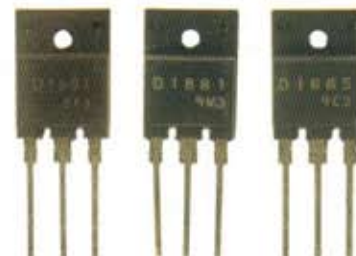
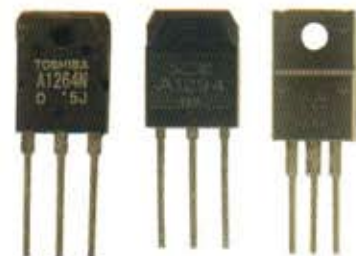


|      |  |  |
|------|--|--|
| 7805 |  |  |
| 7806 |  |  |
| 7808 |  |  |
| 7809 |  |  |
| 7810 |  |  |
| 7812 |  |  |
| 7815 |  |  |
| 7818 |  |  |
| 7824 |  |  |

**N P N**



|      |  |  |
|------|--|--|
| 7905 |  |  |
| 7906 |  |  |
| 7907 |  |  |
| 7908 |  |  |
| 7909 |  |  |
| 7910 |  |  |
| 7912 |  |  |
| 7915 |  |  |
| 7918 |  |  |
| 7924 |  |  |



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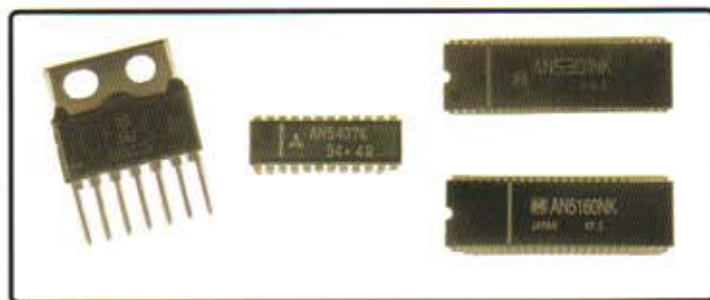
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| PART NUMBER          | ECG / NTE | PART NUMBER | ECG / NTE |
|----------------------|-----------|-------------|-----------|
| <b>162</b>           |           | AN3131K     |           |
| 16219796             |           | AN3310      | 1806      |
|                      |           | AN3313      |           |
|                      |           | AN3320      | 1808      |
|                      |           | AN3331      |           |
| <b>24C02 - 24C08</b> |           | AN3338      |           |
|                      |           | AN3386      |           |
| 24C02AB1             |           | AN3389      |           |
| 24C02CB1             |           | AN3792      |           |
| 24C02CB6             |           | AN3813K     |           |
| 24C02P               |           | AN3814      |           |
| 24C04                |           | AN3815K     |           |
| 24C08                |           | AN3821K     | 1809      |
|                      |           | AN3828NK    | 7127      |
| <b>93C</b>           |           | AN3970      |           |
|                      |           | AN3990      |           |
| 93C46-10PC           |           | AN4558      | 778A      |
| 93C46N               |           | AN5010      | 1402      |
|                      |           | AN5011      |           |
|                      |           | AN5015      |           |
|                      |           | AN5020      | 1682      |
| <b>A23 - AD162</b>   |           | AN5031      |           |
| A23-780-7            |           | AN5036      |           |
| AC187                | 103A      | AN5051      |           |
| AC188                | 158       | AN5051      |           |
| AD149                | 104       | AN5070      | 1688      |
| AD161                | 155       | AN5071      |           |
| AD162                | 131       | AN5111      | 1440      |
|                      |           | AN5120N     |           |
| <b>AN</b>            |           | AN5132      | 1551      |
|                      |           | AN5135NK    | 1810      |
| AN115                | 1226      | AN5136K     | 1861      |
| AN203                | 1054      | AN5138NK    |           |
| AN206B               | 1057      | AN5150N     |           |
| AN210                | 1055      | AN5151N     |           |
| AN211B               | 1056      | AN5156K     | 7121      |
| AN214Q               | 1058      | AN5160NK    | 7060      |
| AN217P               | 1060      | AN5163K     |           |
| AN220                | 1061      | AN5165K     |           |
| AN222                | 1004      | AN5179      |           |
| AN236                | 1123      | AN5210      |           |
| AN238                | 749       | AN5250      | 1404      |
| AN239                | 1161      | AN5255      | 1663      |
| AN240P               | 712       | AN5256      | 1663      |
| AN241                | 1162      | AN5262      | 1783      |
| AN245                | 1164      | AN5265      | 1789      |
| AN247                | 1173      | AN5301NK    | 7003      |
| AN252                |           | AN5302K     | 7111      |
| AN253P               | 1072      | AN5303K     |           |
| AN259                | 1487      | AN5304K     |           |
| AN262                | 1263      | AN5307K     |           |
| AN278                | 1448      | AN5310      | 1410      |
| AN288                | 1069      | AN5311      | 1410      |
| AN295                | 1587      | AN5312      |           |
| AN303                | 1265      | AN5313NK    |           |
| AN304P               | 1400      | AN5315      | 1726      |
| AN313                | 1444      | AN5316      |           |
| AN315                | 1240      | AN5318A     | 1747      |
| AN331                | 1168      | AN5320      | 1415      |
| AN355                |           | AN5330      | 1437      |
| AN360                | 1223      | AN5332N     |           |
| AN362L               | 1248      | AN5352N     | 1835      |
| AN377                | 788       | AN5410      | 1417      |
| AN610                | 1442      | AN5411      | 1299      |
| AN612                | 1249      | AN5416      | 1683      |
| AN614                |           | AN5421      |           |
| AN640                | 1270      | AN5431N     |           |
| AN829                |           | AN5435      | 1295      |
| AN1393               | 943M      | AN5436N     | 1727      |
| AN2141               |           | AN5437K     |           |
| AN3110               |           | AN5440      | 1403      |
| AN5130               |           | AN5510      | 1406      |



| PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE |
|-------------|-----------|-------------|-----------|
| AN5512      | 1674      | AN6354      |           |
| AN5515      | 1684      | AN6356      | 1811      |
| AN5520      | 1485      | AN6357      |           |
| AN5521      | 1782      | AN6359      | 1812      |
| AN5530      |           | AN6360      | 1702      |
| AN5532      |           | AN6361      | 1703      |
| AN5534      |           | AN6363      |           |
| AN5551      |           | AN6366NK    | 1813      |
| AN5601K     |           | AN6387      | 1630      |
| AN5606K     |           | AN6510      |           |
| AN5607NK    |           | AN6512N     |           |
| AN5612      |           | AN6540      |           |
| AN5613      | 7112      | AN6550      |           |
| AN5615      |           | AN6551      | 1529      |
| AN5622      |           | AN6552      | 778A      |
| AN5625N     |           | AN6554NS    |           |
| AN5630      |           | AN6557      |           |
| AN5700      | 1615      | AN6558      | 778A      |
| AN5710      | 1620      | AN6561L     | 928S      |
| AN5712      | 1618      | AN6562      | 928M      |
| AN5720      | 1607      | AN6564      | 987       |
| AN5722      | 1610      | AN6571      |           |
| AN5730      | 1234      | AN6605      |           |
| AN5732      | 1234      | AN6610      | 7089      |
| AN5733      |           | AN6612      |           |
| AN5750      |           | AN6614      |           |
| AN5752      | 1629      | AN6621      |           |
| AN5753      | 1629      | AN6633      |           |
| AN5760      |           | AN6636      |           |
| AN5763      |           | AN6650      |           |
| AN5790N     |           | AN6651      |           |
| AN5791      |           | AN6652      |           |
| AN5835      |           | AN6671      |           |
| AN5836      | 1780      | AN6677      | 1613      |
| AN5862K     |           | AN6811      | 1421      |
| AN5862S     |           | AN6873      | 1715      |
| AN5900      | 7044      | AN6875      | 1503      |
| AN6130N     |           | AN6876      | 1502      |
| AN6161      |           | AN6878      | 1500      |
| AN6209      | 1710      | AN6880      |           |
| AN6210      |           | AN6884      | 1561      |
| AN6247      |           | AN6912      | 834       |
| AN6250      |           | AN6914      | 943M      |
| AN6256      |           | AN7024      |           |
| AN6262      |           | AN7025K     |           |
| AN6263      |           | AN7060      |           |
| AN6270      |           | AN7062      | 1865      |
| AN6300      | 1412      | AN7072      |           |
| AN6321      | 1622      | AN7105      |           |
| AN6327      |           | AN7106      |           |
| AN6328      | 1713      | AN7108      |           |
| AN6332      | 1422      | AN7110      | 1704      |
| AN6340      | 1428      | AN7111      |           |
| AN6341N     | 1425      | AN7112      | 1465      |
| AN6342N     | 1427      | AN7114      |           |
| AN6343      | 1700      | AN7115      | 1381      |
| AN6344      | 1428      | AN7116      |           |
| AN6345      | 1568      | AN7117      |           |
| AN6346N     |           | AN7118      |           |
| AN6350      | 1701      | AN7120      | 1463      |

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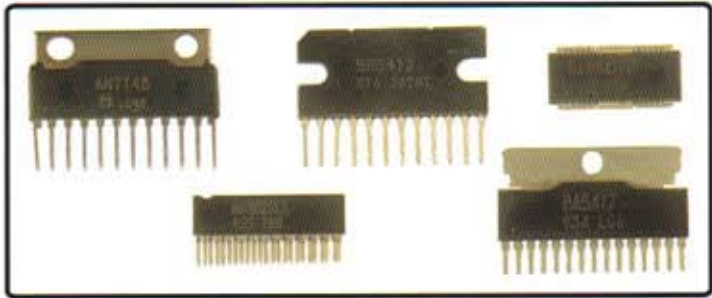
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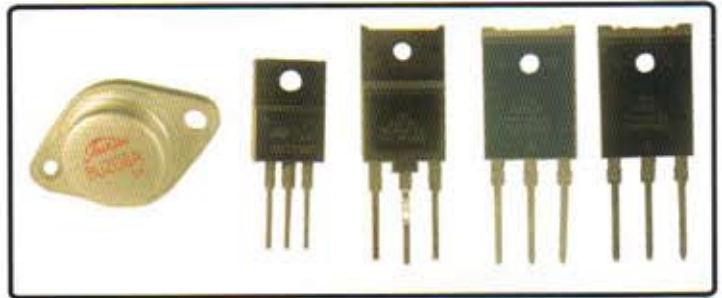
| PART NUMBER | ECG / NTE |
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| AN7134      |           |
| AN7135      |           |
| AN7140      | 1365      |
| AN7141      |           |
| AN7142      |           |
| AN7143      |           |
| AN7145      | 1383      |
| AN7146      | 1367      |
| AN7147N     | 7061      |
| AN7148      |           |
| AN7149      | 7061      |
| AN7150      |           |
| AN7154      | 1369      |
| AN7156      | 1371      |
| AN7158      | 1373      |
| AN7160      |           |
| AN7161N     | 7011      |
| AN7161NFP   |           |
| AN7163      |           |
| AN7164      |           |
| AN7166      | 1373      |
| AN7168      | 1395      |
| AN7169      | 1395      |
| AN7170      |           |
| AN7171K     | 7113      |
| AN7172      |           |
| AN7173K     | 7059      |
| AN7174K     |           |
| AN7176K     |           |
| AN7177      |           |
| AN7178      |           |
| AN7183      |           |
| AN7188      |           |
| AN7190K     |           |
| AN7191N     |           |
| AN7196      |           |
| AN7205      |           |
| AN7213      |           |
| AN7218      | 1563      |
| AN7220A     |           |
| AN7222N     |           |
| AN7223      |           |
| AN7224      |           |
| AN7227      |           |
| AN7236      |           |
| AN7254      |           |
| AN7273      | 1889      |
| AN7310      | 1435      |
| AN7311      | 1435      |
| AN7312      |           |
| AN7315      |           |
| AN7316      |           |
| AN7317      |           |
| AN7320      |           |
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| AN7333K     |           |
| AN7337      |           |
| AN7338K     |           |
| AN7345K     |           |
| AN7370K     |           |
| AN7410N     | 1560      |
| AN7411      |           |
| AN7417      |           |
| AN7420      | 1657      |
| AN7421      |           |
| AN7463      |           |
| AN7465K     |           |

| PART NUMBER | ECG / NTE |
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| AN7470      |           |
| AN7671      |           |
| AN7805CT    | 960       |
| AN7806C     | 962       |
| AN7808      | 964       |
| AN7809CV    | 1910      |
| AN7810C     | 1932      |
| AN7812C     | 966       |
| AN7815C     | 968       |
| AN7818C     | 958       |
| AN7824P     | 972       |
| AN7905      | 961       |
| AN7906      | 963       |
| AN7907      |           |
| AN7908      | 965       |
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| AN7918      | 959       |
| AN7924      | 971       |
| AN8005      |           |
| AN8053N     |           |
| AN8072N     |           |
| AN8083S     |           |
| AN8275      |           |
| AN8377N     |           |
| AN8387S     |           |
| <b>AY</b>   |           |
| AY3-8112    |           |
| AY3-8500    |           |
| <b>BA</b>   |           |
| BA159       | 558       |
| BA301       | 1135      |
| BA308       |           |
| BA311       | 1085      |
| BA312       | 1433      |
| BA313       | 1210      |
| BA314       |           |
| BA318       | 1241      |
| BA328       | 1659      |
| BA333       |           |
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| BA338       |           |
| BA343       |           |
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| BA521       | 1166      |
| BA526       | 1612      |
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| BA532       | 1375      |
| BA536       | 1619      |
| BA546       | 1627      |
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| BA612       |           |
| BA614       |           |
| BA618       |           |
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| BA663       |           |
| BA684A      |           |
| BA714       |           |

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| BA715       | 1529      |
| BA718       | 1529      |
| BA728       | 928M      |
| BA852       |           |
| BA855A      |           |
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| BA1313      |           |
| BA1320      | 1248      |
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| BA1356      |           |
| BA1404F     |           |
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| BA1604      |           |
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| BA3310      |           |
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| BA3404L     |           |
| BA3406AL    |           |
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| BA3410      |           |
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| BA3908A     |           |
| BA3910B     |           |
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| PART NUMBER | ECG / NTE |
|-------------|-----------|
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| BA3933      |           |
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| BA3936      |           |
| BA3938      |           |
| BA3940A     |           |
| BA3950A     |           |
| BA3960      |           |
| BA4110      |           |
| BA4204      |           |
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| BA4220      | 1557      |
| BA4232      |           |
| BA4234L     |           |
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| BA4422AN    |           |
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| BA5102A     | 1558      |
| BA5115      |           |
| BA5204F     |           |
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| BA6209N     |           |

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| PART NUMBER | ECG / NTE |
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| BA6218      |           |
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| BA6222      |           |
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| BA6235      |           |
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| BA7755      |           |
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| BA7790      |           |
| BA7795      |           |
| BA8205      |           |

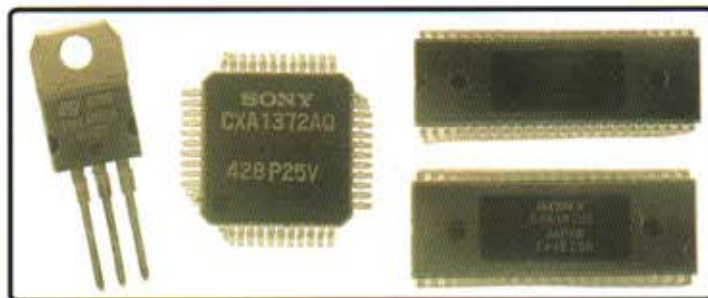
| PART NUMBER     | ECG / NTE |
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| BA8420          |           |
| BA8510          |           |
| BA9700          |           |
| BA10324A        | 987       |
| BA10339         | 834       |
| BA10358         | 928M      |
| BA10393         |           |
| BA12003         | 2013      |
| BA12004         | 2014      |
| <b>BC</b>       |           |
| BC140           | 128       |
| BC212           | 159       |
| BC237           | 123AP     |
| BC238B          | 123AP     |
| BC307A          | 159       |
| BC327           | 159       |
| BC328           | 159       |
| BC337           | 123AP     |
| BC338           | 123AP     |
| BC369           | 294       |
| BC458           |           |
| BC517           | 48        |
| BC546           | 123AP     |
| BC547           | 123AP     |
| BC548           | 123AP     |
| BC549           | 123AP     |
| BC557A          | 159       |
| BC558           | 159       |
| BC559           | 159       |
| BC638           | 383       |
| BC639           | 382       |
| BC640           | 383       |
| <b>BD - BDY</b> |           |
| BD135           | 373       |
| BD136           | 374       |
| BD137           | 373       |
| BD138           | 374       |
| BD139           | 373       |
| BD140           | 374       |
| BD226           | 184       |
| BD227           | 185       |
| BD228           | 184       |
| BD233           | 184       |
| BD234           | 185       |
| BD235           | 184       |
| BD236           | 185       |
| BD243           | 377       |
| BD244C          | 378       |
| BD331           | 2345      |
| BD334           | 2346      |
| BD336           | 2346      |
| BD433           | 184       |
| BD435           | 184       |
| BD436           | 185       |
| BD647           | 263       |
| BD648           | 264       |
| BD675           | 253       |
| BD676           | 254       |
| BD677           | 253       |
| BD678           | 254       |
| BD679           | 253       |
| BD680           | 254       |
| BD681           | 253       |
| BD708           | 332       |
| BD907           | 331       |
| BD908           | 332       |
| BD911           | 331       |

| PART NUMBER    | ECG / NTE |
|----------------|-----------|
| BDW93          | 2343      |
| BDX33          | 263       |
| BDX34          | 264       |
| BDX53C         | 2343      |
| BDX54          | 264       |
| BDX65          | 247       |
| BDY90P         | 328       |
| <b>BF - BT</b> |           |
| BF198          | 229       |
| BF199          | 229       |
| BF255          | 229       |
| BF324          | 395       |
| BF422          | 399       |
| BF423          | 397       |
| BF457          | 373       |
| BF458          | 157       |
| BF459          | 157       |
| BF494          | 229       |
| BF495          | 229       |
| BF587          |           |
| BF858A         | 171       |
| BF859A         | 171       |
| BF889          |           |
| BF959          |           |
| BF961          |           |
| BFQ232         | 2633      |
| BFR90          | 65        |
| BFR90A         |           |
| BFR91          |           |
| BFR96          |           |
| BIV48          |           |
| BRX47          | 5404      |
| BSX20          | 123A      |
| BT136-500      | 5645      |
| BT136-600      | 5645      |
| BT137-500      | 5645      |
| BT137-800      | 5610      |
| BT138-500      | 56008     |
| BT139-500      | 56017     |
| BT151          |           |
| BT151-500R     | 5466      |
| BTA12-400      | 56020     |
| BTA12-600      |           |
| <b>BU</b>      |           |
| BU105A         | 165       |
| BU205          | 389       |
| BU208          | 165       |
| BU208A         | 165       |
| BU208D         |           |
| BU406          | 379       |
| BU407          | 379       |
| BU407D         |           |
| BU408          | 379       |
| BU426          | 2310      |
| BU505          | 2303      |
| BU508          | 2300      |

| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| BU508A           | 2300      |
| BU508AF          | 2300      |
| BU508D           | 2318      |
| BU508DF          |           |
| BU806            | 2315      |
| BU807            | 2315      |
| BU908            | 2300      |
| BU921P           | 2316      |
| BU2506DF         | 2331      |
| BU2506DX         | 2331      |
| BU2508           |           |
| BU2508A          | 2354      |
| BU2508AF         |           |
| BU2508AX         | 2354      |
| BU2508DF         | 2353      |
| BU2508DX         | 2353      |
| BU2520           |           |
| BU2520AF         |           |
| BU2520DF         | 2353      |
| BU2522           |           |
| BU2522AX         |           |
| BU2525AF         |           |
| BU2527           |           |
| BU2527AX         |           |
| BU2611           |           |
| BU2713S          |           |
| <b>BUH - BUZ</b> |           |
| BUH417           |           |
| BUH417D          |           |
| BUH515           |           |
| BUH515D          | 2353      |
| BUH517           |           |
| BUH517D          |           |
| BUH715           |           |
| BUK444-500B      |           |
| BUK444-800B      |           |
| BUK454           |           |
| BUK455-600B      |           |
| BUK456-600       |           |
| BUK456-800B      | 2387      |
| BUL146           |           |
| BUT11            | 2333      |
| BUT11A           | 2333      |
| BUT11AF          | 2337      |
| BUT11AX          |           |
| BUT12A           | 2333      |
| BUT12AF          |           |
| BUV46A           | 2333      |
| BUV47            | 2311      |
| BUV48A           | 2311      |
| BUV48C           |           |
| BUW11            | 2310      |
| BUW11A           | 2310      |
| BUW12            | 2310      |
| BUW12A           | 2310      |
| BUW13            |           |
| BUW13A           |           |
| BUW84            |           |

| PART NUMBER     | ECG / NTE |
|-----------------|-----------|
| BUX41           | 386       |
| BUX47           | 2311      |
| BUX48           | 2319      |
| BUX80           | 386       |
| BUX83           | 283       |
| BUX84           | 2313      |
| BUX85           | 2313      |
| BUX86           | 2327      |
| BUX87           | 2327      |
| BUX96           |           |
| BUY69           | 283       |
| BUY89A          | 283       |
| BUY71A          | 62        |
| BUZ10           | 2389      |
| BUZ11           | 2389      |
| BUZ21           | 2396      |
| BUZ42           | 2398      |
| BUZ71           | 66        |
| BUZ80           | 2387      |
| BUZ90           | 2387      |
| BUZ91AF1        |           |
| BUZ102          |           |
| BUZ103          |           |
| <b>BY - BYV</b> |           |
| BY133           | 506       |
| BYV29           | 598       |
| <b>CA - CAT</b> |           |
| CA339           | 834       |
| CA1190GQ        | 1231      |
| CA1310E         | 801       |
| CA1398E         | 738       |
| CA3029          | 908       |
| CA3046          | 912       |
| CA3059          | 914       |
| CA3065E         | 712       |
| CA3068          | 730       |
| CA3075E         | 723       |
| CA3080          | 902       |
| CA3082          | 2023      |
| CA3086          | 912       |
| CA3089E         |           |
| CA3096          |           |
| CA3127E         |           |
| CA3130S         |           |
| CA3140E         |           |
| CA3146E         |           |
| CA3151          |           |
| CA3160E         |           |
| CA3161E         | 2032      |
| CA3162E         | 2054      |
| CA3189E         | 7016      |
| CA3217E         | 844       |
| CA3240          |           |
| CA3280          |           |
| CAT59C11        |           |
| <b>CD</b>       |           |
| CD1031          | 1245      |
| CD4001          | 4001B     |
| CD4011          | 4011B     |
| CD4013BE        | 4013B     |
| CD4016          | 4016      |
| CD4017BCN       | 4017B     |
| CD4047          | 4047B     |
| CD4052BCN       | 4052B     |
| CD4053BE        | 4053B     |

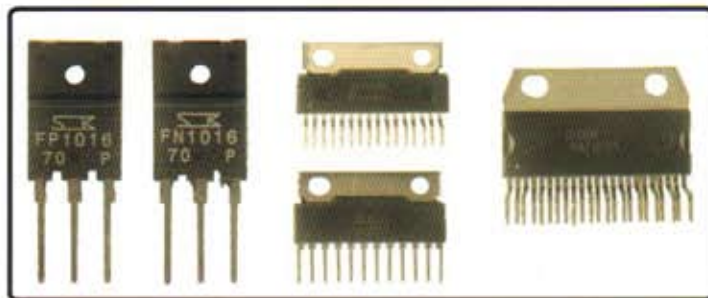
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| CD4066BE         | 4066B     |
| CD4069AN         | 4069      |
| CD4093           | 4093B     |
| CD4556BE         | 4556B     |
| CD22100          |           |
| CD22101          |           |
| <b>CNX - CTU</b> |           |
| CNX82A           |           |
| CNY17            | 3041      |
| CNY17-2          | 3043      |
| CR02AM           | 5401      |
| CR3AM            | 5457      |
| CR6CM            |           |
| CS3842           |           |
| CTB24            | 6085      |
| CTB34            | 6090      |
| CTU22            | 6244      |
| <b>CX</b>        |           |
| CX0461           |           |
| CX065            | 1300      |
| CX095E           | 1308      |
| CX100D           | 1605      |
| CX103            |           |
| CX104            |           |
| CX131A           | 1601      |
| CX134            | 1598      |
| CX135            | 1596      |
| CX136A           | 1594      |
| CX137A           | 1592      |
| CX139A           | 1588      |
| CX157            | 1312      |
| CX158            | 1313      |
| CX168            |           |
| CX172            | 1304      |
| CX177            | 1306      |
| CX186            |           |
| CX193            |           |
| CX194            |           |
| CX195            |           |
| CX196            |           |
| CX520            |           |
| CX522            |           |
| CX550            |           |
| CX555A           | 1411      |
| CX726            |           |
| CX763            |           |
| CX804            |           |
| CX843A           | 1418      |
| CX848            | 1665      |
| CX877            |           |
| CX885A           |           |
| CX10026          |           |
| CX10040          |           |
| CX20007          |           |
| CX20012          |           |
| CX20013          |           |
| CX20014          |           |
| CX20028          |           |
| CX20045          |           |
| CX20061          |           |
| CX20082          |           |
| CX20104          |           |
| CX20106A         |           |
| CX20108          |           |
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| CX20111          |           |
| CX20112          | 1860      |



| PART NUMBER | ECG / NTE |
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| CX20115     |           |
| CX20125     |           |
| CX20126     |           |
| CX20129     |           |
| CX20145     |           |
| CX20152     |           |
| CX20155     |           |
| CX20159     |           |
| CX20191     |           |
| CX20192     |           |
| <b>CXA</b>  |           |
| CXA1011P    | 1859      |
| CXA1011Q    |           |
| CXA1012     |           |
| CXA1013S    |           |
| CXA1019S    |           |
| CXA1024     |           |
| CXA1033     |           |
| CXA1034P    |           |
| CXA1044BP   |           |
| CXA1081M    |           |
| CXA1081S    |           |
| CXA1082     |           |
| CXA1082BQ   |           |
| CXA1082BS   |           |
| CXA1083     |           |
| CXA1100     |           |
| CXA1101     |           |
| CXA1102P    |           |
| CXA1110     |           |
| CXA1110BS   |           |
| CXA1111     |           |
| CXA1115     |           |
| CXA1124AS   |           |
| CXA1163     |           |
| CXA1182     |           |
| CXA1191     |           |
| CXA1198     |           |
| CXA1213     |           |
| CXA1219P    |           |
| CXA1238     |           |
| CXA1238M    |           |
| CXA1238S    |           |
| CXA1264AS   |           |
| CXA1268P    |           |
| CXA1279AS   |           |
| CXA1291     |           |
| CXA1331S    |           |
| CXA1350S    |           |
| CXA1352AS   |           |
| CXA1355L    |           |
| CXA1372AQ   |           |
| CXA1372AS   |           |
| CXA1421M    |           |
| CXA1446S    |           |
| CXA1465AS   |           |
| CXA1477AS   |           |
| CXA1534S    |           |

| PART NUMBER      | ECG / NTE |
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| CXA1545AS        |           |
| CXA1594          |           |
| CXA1619BM        |           |
| CXA1665          |           |
| CXA1734S         |           |
| CXA1774AS        |           |
| CXA1774S         |           |
| CXA1782          |           |
| CXA1865AS        |           |
| CXA1865S         |           |
| CXA1870S         |           |
| CXA2025          |           |
| CXA2025AS        |           |
| CXA2054S         |           |
| CXA2061S         |           |
| CXA2095S         |           |
| CXA2104S         |           |
| CXA8005          |           |
| <b>CXD - CXP</b> |           |
| CXD1067          |           |
| CXD1130Q         |           |
| CXD1167          |           |
| CXD2500AQ        |           |
| CXD2515AQ        |           |
| CXD2517          |           |
| CXD2518          |           |
| CXK5816          |           |
| CXK5864          |           |
| CXP1011Q         |           |
| CXP5014          |           |
| CXP5024          |           |
| CXP5034          |           |
| CXP5058          |           |
| CXP5084          |           |
| CXP5096          |           |
| CXP50112         |           |
| CXP50116         |           |
| CXP80116         |           |
| <b>D - DBL</b>   |           |
| D44H11           | 377       |
| D45H11           | 378       |
| DA101            |           |
| DAT1018          |           |
| DAT1521          |           |
| DBL324           |           |
| DBL494           |           |
| DBL1009          |           |
| DBL1010          |           |
| DBL1011          |           |
| DBL1014          |           |
| DBL1016          |           |
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| DBL1019          |           |
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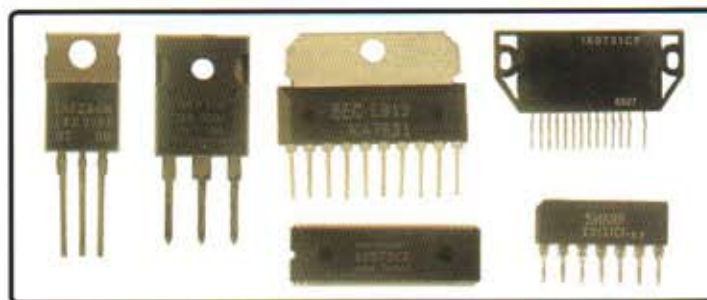
| PART NUMBER | ECG / NTE | PART NUMBER    | ECG / NTE |
|-------------|-----------|----------------|-----------|
| DBL1027     |           | <b>GL - GS</b> |           |
| DBL1032D    |           | GL324          |           |
| DBL1034     |           | GL494          |           |
| DBL1045     |           | GL1151         | 7062      |
| DBL1046     |           | GL1237         |           |
| DBL1052     |           | GL3101         |           |
| DBL2002     |           | GL3120         | 1728      |
| DBL2003     |           | GL3201         | 712       |
| DBL2004C    |           | GL3301         | 1650      |
| DBL2009     |           | GL3320         | 1845      |
| DBL2028     |           | GL3401         | 1471      |
| DBL2052     |           | GL3711         |           |
| DBL5001     |           | GL5501         |           |
| DBL5002     |           | GL5529         |           |
| DBL5004     |           | GL7445         | 1716      |
|             |           | GL7488         |           |
|             |           | GL7680         |           |
|             |           | GS8038-06A     |           |
|             |           | GS8908         |           |
|             |           | <b>H - HA</b>  |           |
|             |           | H22AI          | 3102      |
|             |           | HA1124         | 712       |
|             |           | HA1125         | 712       |
|             | 1277      | HA1126         | 1004      |
|             | 9402      | HA1137         | 788       |
|             |           | HA1140         | 1186      |
|             | 116       | HA1144         | 1213      |
|             |           | HA1151         | 1237      |
|             | 116       | HA1156         | 801       |
|             |           | HA1166         |           |
|             |           | HA1167         |           |
|             |           | HA1196         | 1484      |
|             |           | HA1197         | 1214      |
|             | 2356      | HA1199         | 1290      |
|             |           | HA1202         | 1041      |
|             | 2368      | HA1308         | 1030      |
|             | 2360      | HA1311         | 1032      |
|             | 2355      | HA1314         | 1035      |
|             | 2357      | HA1319         | 1043      |
|             | 2367      | HA1322         | 1037      |
|             | 2359      | HA1325         | 1238      |
|             |           | HA1338         | 1030      |
|             |           | HA1339         | 1169      |
|             |           | HA1342         | 1239      |
|             | 1550      | HA1350         |           |
|             |           | HA1361         |           |
|             |           | HA1366         | 1260      |
|             |           | HA1366W        | 1260      |
|             |           | HA1366WR       | 1261      |
|             |           | HA1367         |           |
|             |           | HA1368         | 1283      |
|             |           | HA1368R        | 1284      |
|             |           | HA1370         |           |
|             |           | HA1372         |           |
|             |           | HA1374         | 1397      |
|             |           | HA1377         | 1398      |
|             | 5405      | HA1377A        | 1398      |
|             |           | HA1384         |           |
|             | 588       | HA1385         |           |
|             | 580       | HA1388         | 1399      |
|             |           | HA1389         | 1392      |
|             |           | HA1389R        | 1393      |
|             |           | HA1392         | 1606      |
|             |           | HA1394         |           |
|             |           | HA1397         | 7040      |
|             |           | HA1398         | 1395      |
|             |           | HA1406         | 1660      |
|             |           | HA1457         | 1666      |



| PART NUMBER | ECG / NTE | PART NUMBER     | ECG / NTE |
|-------------|-----------|-----------------|-----------|
| HA1604      |           | HA12088ANT      |           |
| HA11112     | 1189      | HA12095         |           |
| HA11123     | 1527      | HA12134A        |           |
| HA11211     | 1486      | HA12135A        |           |
| HA11215     | 1469      | HA12402         | 1624      |
| HA11221     | 1492      | HA12412         | 1559      |
| HA11223     | 1482      | HA12413         | 1557      |
| HA11225     | 1488      | HA13001         |           |
| HA11226     | 2000      | HA13002         |           |
| HA11227     | 1565      | HA13006         |           |
| HA11229     | 1575      | HA13007         |           |
| HA11235     | 1550      | HA13008         |           |
| HA11238     | 1669      | HA13102         | 1398      |
| HA11244     | 1544      | HA13108         | 1395      |
| HA11251     | 1490      | HA13117         |           |
| HA11401     | 1401      | HA13118         |           |
| HA11412     | 1473      | HA13119         |           |
| HA11414     | 1403      | HA13128         |           |
| HA11423     | 1471      | HA13130         |           |
| HA11431     | 1589      | HA13135         |           |
| HA11436     | 1650      | HA13139         |           |
| HA11440A    | 1725      | HA13150A        |           |
| HA11446     | 1650      | HA13151         |           |
| HA11480     | 1650      | HA13152         |           |
| HA11510NT   | 7007      | HA13153A        |           |
| HA11511     |           | HA13154A        |           |
| HA11511CNT  |           | HA13155         |           |
| HA11511NT   |           | HA13156         |           |
| HA11513     |           | HA13157         |           |
| HA11539ANT  |           | HA13158A        |           |
| HA11541NT   |           | HA13159         |           |
| HA11545A    |           | HA13402         |           |
| HA11580     | 1196      | HA13403         | 1893      |
| HA11704     |           | HA13408         |           |
| HA11705     |           | HA17324         | 987       |
| HA11713     |           | HA13430         |           |
| HA11727     |           | HA13431         |           |
| HA11741     |           | HA17339         | 834       |
| HA11745     |           | HA17358         | 928M      |
| HA11747     | 1706      | HA17393         | 943M      |
| HA11749     | 1686      | HA17431         |           |
| HA11785     |           | HA17458         | 778A      |
| HA11786     |           | HA17741         |           |
| HA118019NT  |           | HA17903         |           |
| HA118041    |           |                 |           |
| HA11810     |           | <b>HCF - HM</b> |           |
| HA11847NT   |           | HD38700         |           |
| HA12002     | 1635      | HD49747         |           |
| HA12003     | 1226      | HD49748         |           |
| HA12006     |           | HD49723         |           |
| HA12010     |           | HD49741NT       |           |
| HA12016     |           | HD64180         |           |
| HA12026     | 1248      | HD38986A        |           |
| HA12038NT   |           | HD38986E        |           |
| HA12044     |           | HIS0169A        |           |
| HA12045     | 1833      | HIS0169B        |           |
| HA12046     |           | HIS0169C        |           |
| HA12047MS   |           | HM6116          | 2128      |
| HA12058     |           | HM9102A         |           |
| HA12058NT   |           |                 |           |

| PART NUMBER        | ECG / NTE |
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| <b>ICL - IMSA</b>  |           |
| ICL7106            | 2051      |
| ICL7107            | 2050      |
| ICPF10             | 15005     |
| ICPF15             | 15006     |
| ICPF25             | 15008     |
| ICPF38             | 15009     |
| ICPF50             |           |
| ICPN10             | 15020     |
| ICPN15             | 15021     |
| ICPN20             | 15022     |
| ICPN25             | 15023     |
| ICPN38             |           |
| ICPN5              | 15019     |
| ICPN50             |           |
| ICPN75             |           |
| IMSA100-G30S       |           |
| <b>IR - IRFZ</b>   |           |
| IR2403             | 2079      |
| IR2E01             |           |
| <b>IRF</b>         |           |
| IRF130             |           |
| IRF222             |           |
| IRF250             |           |
| IRF350             |           |
| IRF440             |           |
| IRF450             |           |
| IRF452             |           |
| IRF510             | 2382      |
| IRF513             | 2382      |
| IRF520             |           |
| IRF522             |           |
| IRF530N            | 66        |
| IRF531             | 66        |
| IRF532             | 66        |
| IRF540             | 2396      |
| IRF541             | 2396      |
| IRF610             | 67        |
| IRF620             |           |
| IRF630             |           |
| IRF640             | 2374      |
| IRF710             |           |
| IRF720             |           |
| IRF724             |           |
| IRF730             |           |
| IRF740A            | 2397      |
| IRF740F            | 2945      |
| IRF741             | 2397      |
| IRF820A            |           |
| IRF822             | 2380      |
| IRF830A            | 2398      |
| IRF830F            |           |
| IRF831             | 2398      |
| IRF840             | 2385      |
| IRF841             | 2385      |
| IRF9530            | 2383      |
| IRF9540            | 2371      |
| IRF9610            |           |
| IRF9620            | 2372      |
| IRF9630            |           |
| IRF9640            | 2373      |
| <b>IRFB - IRFD</b> |           |
| IRFBE20            | 2387      |
| IRFD110            |           |

| PART NUMBER         | ECG / NTE |
|---------------------|-----------|
| <b>IRFP - IRFPG</b> |           |
| IRFP054             | 2920      |
| IRFP150             | 2375      |
| IRFP240             |           |
| IRFP250             | 2376      |
| IRFP350             | 2922      |
| IRFP440             | 2923      |
| IRFP448             |           |
| IRFP450             | 2394      |
| IRFP460             |           |
| IRFPG50             |           |
| <b>IRFZ</b>         |           |
| IRFZ20              |           |
| IRFZ22              |           |
| IRFZ24N             |           |
| IRFZ30              | 2389      |
| IRFZ34              | 2389      |
| IRFZ40              | 2395      |
| IRFZ42              | 2395      |
| IRFZ44              | 2395      |
| IRFZ44N             | 2395      |
| IRFZ46              | 2395      |
| IRFZ48              |           |
| <b>IX</b>           |           |
| IX0037C             | 615A      |
| IX0042CE            |           |
| IX0043              |           |
| IX0054              | 1140      |
| IX0092              |           |
| IX0113CE            |           |
| IX0137              | 1751      |
| IX0147              |           |
| IX0212CE            | 1671      |
| IX0213              | 1616      |
| IX0238CE            | 1676      |
| IX0260C             | 1658      |
| IX0275              | 1672      |
| IX0412CE            |           |
| IX0438CE            |           |
| IX0439              |           |
| IX0468              |           |
| IX0600CE            | 1790      |
| IX0640              |           |
| IX0689C             |           |
| IX0712              |           |
| IX0731CF            |           |
| IX0735              |           |
| IX0739              |           |
| IX0758CE            |           |
| IX0800CE            |           |
| IX0943CEA           |           |
| IX0950              |           |
| IX0991CED           |           |
| IX1030              |           |
| IX1077              | 7058      |
| IX1082CE            |           |
| IX1132              |           |
| IX1190              | 7010      |
| IX1709              |           |
| IX1712CE            | 7010      |
| IX2163CE            |           |
| IX2573              |           |
| IX2933CE            |           |



| PART NUMBER | ECG / NTE |
|-------------|-----------|
| <b>JRC</b>  |           |
| JRC2073     |           |
| <b>KA</b>   |           |
| KA386       |           |
| KA567       | 832       |
| KA1222      |           |
| KA1241      |           |
| KA2101      | 712       |
| KA2102A     | 1246      |
| KA2103L     |           |
| KA2107      |           |
| KA2130A     |           |
| KA2131      | 1674      |
| KA2133A     | 1661      |
| KA2134      | 1727      |
| KA2135      | 7045      |
| KA2138      |           |
| KA2151      |           |
| KA2153      | 1547      |
| KA2154      |           |
| KA2155      | 1845      |
| KA2163      |           |
| KA2181      |           |
| KA2185      |           |
| KA2201N     | 1294      |
| KA2202      |           |
| KA2206B     | 1667      |
| KA2209      |           |
| KA2210      |           |
| KA2211      |           |
| KA2212      | 1465      |
| KA2213      |           |
| KA2214      | 7055      |
| KA2220      | 1466      |
| KA2221      | 1170      |
| KA2223      |           |
| KA2224      | 1634      |
| KA2229      |           |
| KA2243      | 1557      |
| KA2244      | 1525      |
| KA2245      |           |
| KA2247      |           |
| KA2248      |           |
| KA2249      |           |
| KA2250      |           |
| KA2261      | 1248      |
| KA2262      |           |
| KA2263      | 1657      |
| KA2264      |           |
| KA2265      |           |
| KA2281      |           |
| KA2284      | 1561      |
| KA2285      |           |
| KA2292      |           |
| KA2294      |           |
| KA2297      |           |
| KA2310      |           |

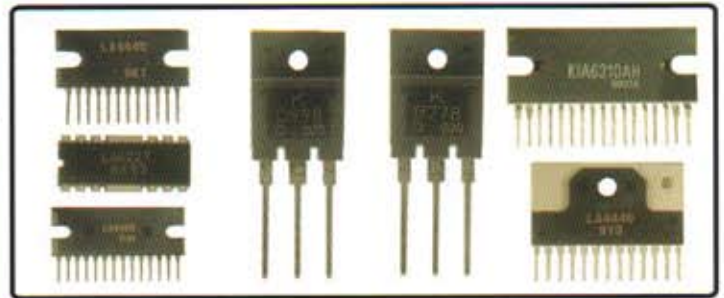
| PART NUMBER | ECG / NTE |
|-------------|-----------|
| KA2402      |           |
| KA2404      |           |
| KA2410      | 1648      |
| KA2411      | 1649      |
| KA2418B     |           |
| KA2605      |           |
| KA2657      |           |
| KA2911      | 1545      |
| KA2912      | 1522      |
| KA2913      |           |
| KA2914      | 1572      |
| KA2915      |           |
| KA2916      | 1413      |
| KA2919      | 1728      |
| KA2921      | 1496      |
| KA2922      |           |
| KA2944      |           |
| KA3213      |           |
| KA3525A     | 1721      |
| KA3842B     | 7096      |
| KA3843B     | 7097      |
| KA3844BB    | 7098      |
| KA7226      |           |
| KA7500B     | 1729      |
| KA7630      |           |
| KA7631      |           |
| KA8113      |           |
| KA8301      | 1716      |
| KA8304      |           |
| KA8306      |           |
| KA8309      |           |
| KA8310      |           |
| KA9201      |           |
| KA9220B     |           |
| KA9256      |           |
| KA9257      |           |
| KA9258      |           |
| KA9270      |           |
| KA22062     |           |
| KA22063     |           |
| KA22065     |           |
| KA22066     |           |
| KA22130     |           |
| KA22134     |           |
| KA22135     |           |
| KA22211     |           |
| KA22233     |           |
| KA22234     |           |
| KA22235     |           |
| KA22241     |           |
| KA22242     |           |
| KA22261     |           |
| KA22424     |           |
| KA22427     |           |
| KA22471     |           |
| KA22495     |           |

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| <b>KC</b>   |           |
| KC581C      | 1258      |
| KC582C      | 1251      |
| KC583C      | 1257      |
| <b>KIA</b>  |           |
| KIA324P     | 987       |
| KIA358      |           |
| KIA494P     | 1729      |
| KIA555P     | 955M      |
| KIA4147     |           |
| KIA4558P    | 778A      |
| KIA6040P    | 1842      |
| KIA6043S    | 1657      |
| KIA6058AS   | 1843      |
| KIA6205     |           |
| KIA6205H    |           |
| KIA6210AH   | 7041      |
| KIA6213S    | 1465      |
| KIA6216     |           |
| KIA6220AH   |           |
| KIA6221AH   |           |
| KIA6225S    |           |
| KIA6227     |           |
| KIA6232     |           |
| KIA6259     |           |
| KIA6264     |           |
| KIA6268P    | 1651      |
| KIA6269P    |           |
| KIA6278     |           |
| KIA6278P    |           |
| KIA6280H    | 1898      |
| KIA6281H    | 1899      |
| KIA6282K    |           |
| KIA6283K    |           |
| KIA6289N    |           |
| KIA6299H    | 1830      |
| KIA6924S    |           |
| KIA7137P    | 1466      |
| KIA7207AP   |           |
| KIA7208     |           |
| KIA7217AP   | 1370      |
| KIA7227P    | 1394      |
| KIA7232     |           |
| KIA7233     |           |
| KIA7269     |           |
| KIA7273     |           |
| KIA7280P    | 1898      |
| KIA7282     |           |
| KIA7283     |           |
| KIA7299     |           |
| KIA7310P    | 1192      |
| KIA7313AP   | 1465      |
| KIA7325P    | 1730      |
| KIA7343AP   | 1657      |
| KIA7358AP   | 1843      |
| KIA7417     |           |
| KIA7630     | 1576      |
| KIA7640AP   | 1842      |
| KIA7641     |           |
| KIA7658P    | 1571      |
| KIA7666     |           |
| KIA7705P    |           |
| KIA7738     |           |
| KIA7769     |           |
| KIA7812     | 966       |
| KIA7905     |           |
| KIA8122     |           |
| KIA8125     |           |

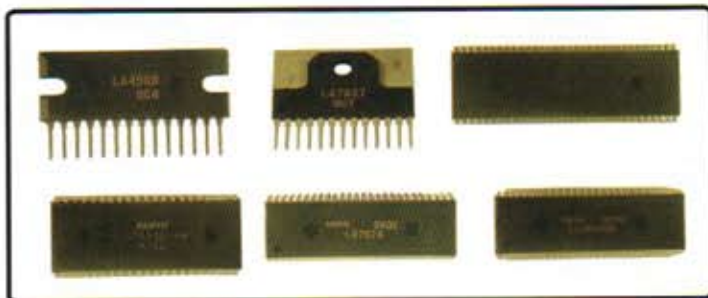
| PART NUMBER     | ECG / NTE |
|-----------------|-----------|
| KIA8210         | 7041      |
| <b>KS - KTD</b> |           |
| KS5803          |           |
| KS5805B         | 1692      |
| KS51900         |           |
| KT3170          |           |
| KT8778          |           |
| KTD998          |           |
| <b>L</b>        |           |
| L78LR05         |           |
| L78MR05         | 7124      |
| L78MR06         |           |
| L78N05          |           |
| L200C           | 1942      |
| L272M           | 1854M     |
| L293D           | 1749      |
| L296            | 1681      |
| L298            | 7071      |
| L387A           |           |
| L497B           |           |
| L602C           |           |
| L702            |           |
| L702N           |           |
| L2722           |           |
| L4901           |           |
| L4960           | 7107      |
| L4962           |           |
| L4963           |           |
| L4972           |           |
| L5431           |           |
| L5531           |           |
| L5630           | 615A      |
| L5631           | 615A      |
| L6020           |           |
| L6202           |           |
| L6203           |           |
| L6210           |           |
| L6220           |           |
| L7812           | 966       |
| L7824           | 972       |
| <b>LA</b>       |           |
| LA1111          | 1002      |
| LA1130          | 1533      |
| LA1135          |           |
| LA1137N         |           |
| LA1140          | 1604      |
| LA1145          |           |
| LA1150          | 1541      |
| LA1170          |           |
| LA1180          |           |
| LA1185          |           |
| LA1186N         |           |
| LA1201          | 1003      |
| LA1205          |           |
| LA1207          |           |
| LA1210          |           |
| LA1222          | 1227      |
| LA1230          | 788       |
| LA1231N         | 1441      |
| LA1235          |           |
| LA1240          | 1214      |
| LA1245          | 1608      |
| LA1260          |           |
| LA1261          |           |
| LA1265          |           |



| PART NUMBER | ECG / NTE |
|-------------|-----------|
| LA1266      |           |
| LA1267      |           |
| LA1270      |           |
| LA1357N     | 1483      |
| LA1362      |           |
| LA1363      | 712       |
| LA1365      | 712       |
| LA1368      | 738       |
| LA1369      | 1178      |
| LA1373      | 1094      |
| LA1383      | 712       |
| LA1385      | 1245      |
| LA1460      | 1445      |
| LA1461      | 1445      |
| LA1805      |           |
| LA1810      |           |
| LA1815      |           |
| LA1816      |           |
| LA1835      |           |
| LA1836      |           |
| LA1837      |           |
| LA1851N     |           |
| LA1875      |           |
| LA2000      |           |
| LA2010      |           |
| LA2110      |           |
| LA2200      |           |
| LA2400      |           |
| LA2500      |           |
| LA2780N     |           |
| LA2785      |           |
| LA2805      |           |
| LA3110      |           |
| LA3115      | 1453      |
| LA3160      | 1170      |
| LA3161      | 1170      |
| LA3201      | 1179      |
| LA3210      | 1466      |
| LA3220      | 1634      |
| LA3225T     |           |
| LA3226T     |           |
| LA3240      |           |
| LA3241      |           |
| LA3245      |           |
| LA3246      |           |
| LA3301      | 1006      |
| LA3330      |           |
| LA3350      | 1217      |
| LA3361      | 1248      |
| LA3365      |           |
| LA3370      | 1461      |
| LA3373      |           |
| LA3375      |           |
| LA3376      |           |
| LA3390      |           |
| LA3400      |           |
| LA3401      |           |
| LA3410      |           |
| LA3430      |           |
| LA3433      |           |

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| LA3600      |           |
| LA3605      |           |
| LA3607      |           |
| LA4031      |           |
| LA4032      |           |
| LA4050      |           |
| LA4051      | 1150      |
| LA4100      | 1180      |
| LA4101      | 1180      |
| LA4102      | 1228      |
| LA4108      |           |
| LA4110      | 1472      |
| LA4112      | 1463      |
| LA4125      | 1382      |
| LA4126      | 1382      |
| LA4127      |           |
| LA4135      |           |
| LA4137      |           |
| LA4138      |           |
| LA4140      | 1465      |
| LA4142      | 1465      |
| LA4145      |           |
| LA4146      |           |
| LA4147      |           |
| LA4160      |           |
| LA4162      |           |
| LA4165      |           |
| LA4170      | 1477      |
| LA4175      | 1481      |
| LA4177      |           |
| LA4178      |           |
| LA4180      |           |
| LA4182      | 1667      |
| LA4183      | 1667      |
| LA4185      | 1637      |
| LA4190      | 1667      |
| LA4192      | 1667      |
| LA4195      |           |
| LA4200      |           |
| LA4220      | 1384      |
| LA4227      |           |
| LA4230      | 1386      |
| LA4250      | 1386      |
| LA4260      | 1685      |
| LA4261      | 1685      |
| LA4265      |           |
| LA4270      | 1798      |
| LA4275      |           |
| LA4280      |           |
| LA4282      |           |
| LA4285      |           |
| LA4400      | 1193      |
| LA4420      | 1211      |
| LA4422      | 1388      |
| LA4425      |           |
| LA4430      | 1211      |
| LA4440      | 1377      |
| LA4445      | 1707      |
| LA4446      |           |
| LA4450      |           |

Semiconductores



| PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE |
|-------------|-----------|-------------|-----------|
| LA4451      |           | LA5685N     |           |
| LA4460N     | 1390      | LA6324      | 987       |
| LA4461N     | 1391      | LA6339      | 834       |
| LA4465      |           | LA6358N     | 928M      |
| LA4466      |           | LA6358S     | 928S      |
| LA4468      |           | LA6393D     | 943M      |
| LA4470      |           | LA6458D     | 778A      |
| LA4471      |           | LA6458S     | 1529      |
| LA4475      |           | LA6462D     |           |
| LA4476      |           | LA6510      |           |
| LA4480      |           | LA6515      |           |
| LA4485      |           | LA6517      |           |
| LA4490      |           | LA6520      |           |
| LA4495      |           | LA6523      |           |
| LA4496      |           | LA6524      |           |
| LA4497      |           | LA6525      |           |
| LA4498      |           | LA6530      |           |
| LA4500      |           | LA6531      |           |
| LA4505      | 1675      | LA6532      |           |
| LA4507      |           | LA6533      |           |
| LA4508      |           | LA7000S     |           |
| LA4510      |           | LA7003      |           |
| LA4520      |           | LA7005S     |           |
| LA4525      |           | LA7016      | 1781      |
| LA4533M     |           | LA7025      |           |
| LA4538M     |           | LA7031      |           |
| LA4550      |           | LA7032      |           |
| LA4555      |           | LA7046      |           |
| LA4557      |           | LA7051      |           |
| LA4558      |           | LA7060      |           |
| LA4570      |           | LA7061      |           |
| LA4571M     |           | LA7071      |           |
| LA4575      |           | LA7090      |           |
| LA4580      |           | LA7091      |           |
| LA4581M     |           | LA7096      |           |
| LA4583M     |           | LA7110      |           |
| LA4597      |           | LA7113      |           |
| LA4598      |           | LA7116      |           |
| LA4600      |           | LA7124      |           |
| LA4620      |           | LA7151      |           |
| LA4630N     |           | LA7184      |           |
| LA4700      |           | LA7205      |           |
| LA4705N     |           | LA7210      |           |
| LA4708      |           | LA7213      |           |
| LA4725      |           | LA7220      | 1799      |
| LA4743BL    |           | LA7221      |           |
| LA4805      |           | LA7222      | 7066      |
| LA5005      |           | LA7227      |           |
| LA5112      | 1479      | LA7237      |           |
| LA5511B     |           | LA7270      |           |
| LA5512      |           | LA7282      |           |
| LA5521D     |           | LA7285      |           |
| LA5522      |           | LA7286      |           |
| LA5523      |           | LA7295      |           |
| LA5525      |           | LA7297      |           |
| LA5527      |           | LA7300      |           |
| LA5530      |           | LA7309      |           |
| LA5531      |           | LA7312A     |           |
| LA5601      |           | LA7316      |           |
| LA5602      |           | LA7317      |           |
| LA5603      |           | LA7320      |           |
| LA5611      |           | LA7323M     |           |
| LA5613      |           | LA7326      |           |
| LA5617      |           | LA7330      |           |
| LA5618      |           | LA7374      |           |
| LA5655      |           | LA7375      |           |
| LA5665      |           | LA7376      |           |
| LA5666      |           | LA7383      |           |
| LA5667      |           | LA7384      |           |
| LA5668      |           | LA7386      |           |
| LA5674      |           | LA7391      |           |

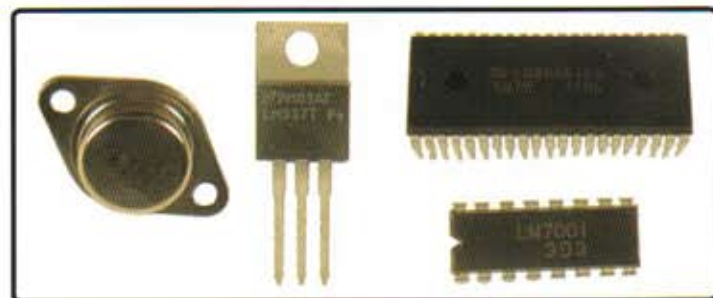
| PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE |
|-------------|-----------|-------------|-----------|
| LA7422      |           | LA7833      | 1773      |
| LA7507      | 1542      | LA7835      | 1855      |
| LA7510      | 7067      | LA7836      | 7085      |
| LA7520      | 1728      | LA7837      | 7104      |
| LA7521      |           | LA7838      | 7039      |
| LA7522      |           | LA7840      |           |
| LA7530N     | 1827      | LA7841      |           |
| LA7531      |           | LA7845N     |           |
| LA7533      |           | LA7846N     |           |
| LA7535      |           | LA7850      | 7086      |
| LA7545      |           | LA7851      | 7062      |
| LA7550      |           | LA7852      | 7063      |
| LA7555      |           | LA7853      |           |
| LA7575      |           | LA7855      |           |
| LA7577N     | 7130      | LA7856      |           |
| LA7578N     | 7129      | LA7910      | 1658      |
| LA7580      |           | LA7911      |           |
| LA7601      | 1673      | LA7912      |           |
| LA7610      |           | LA7913      | 1837      |
| LA7612      |           | LA7915      | 1836      |
| LA7615      |           | LA7916      | 7004      |
| LA7620      | 1845      | LA7920      | 1708      |
| LA7621      | 1771      | LA7925      |           |
| LA7625      | 1856      | LA7926      |           |
| LA7626      | 1838      | LA7930      |           |
| LA7629      | 7008      | LA7935      |           |
| LA7650K     | 1863      | LA7940      | 1409C     |
| LA7650P     |           | LA7945N     |           |
| LA7651N     |           | LA7950      |           |
| LA7651P     |           | LA7952      |           |
| LA7652P     |           | LA7953      |           |
| LA7655N     | 1863      | LA7955      |           |
| LA7670      | 7054      | LA7956      |           |
| LA7671      |           | LA7990      |           |
| LA7672      |           | LA9010      |           |
| LA7673      |           | LA9100      |           |
| LA7674      |           | LA9200N     |           |
| LA7676      |           | LA9210      |           |
| LA7680      |           | LA9241ML    |           |
| LA7685      |           | LA76070N    |           |
| LA7687      |           | LA76170     |           |
| LA7690      |           |             |           |
| LA7696      |           |             |           |
| LA7710      |           |             |           |
| LA7765      |           |             |           |
| LA7770      |           |             |           |
| LA7800      | 1538      |             |           |
| LA7801      |           |             |           |
| LA7802      | 1539      |             |           |
| LA7806      | 1540      |             |           |
| LA7808      |           |             |           |
| LA7810      |           |             |           |
| LA7811      | 1772      |             |           |
| LA7820      | 7084      |             |           |
| LA7822      |           |             |           |
| LA7823      | 1647      |             |           |
| LA7824      | 7123      |             |           |
| LA7830      | 1773      |             |           |
| LA7831      | 1797      |             |           |
| LA7832      |           |             |           |
|             |           | LAG         |           |
|             |           | LAG650      |           |
|             |           | LAG665      |           |
|             |           | LAG673      |           |
|             |           | LB          |           |
|             |           | LB1214      |           |
|             |           | LB1215      |           |
|             |           | LB1216      |           |
|             |           | LB1233      | 2013      |
|             |           | LB1261      | 2081      |
|             |           | LB1267      |           |
|             |           | LB1268      |           |
|             |           | LB1275      | 2076      |
|             |           | LB1291      | 2022      |
|             |           | LB1331      | 1556      |

# SEMICONDUCTORS

Semiconductors

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| LB1403      | 1561      |
| LB1405      | 1515      |
| LB1407      |           |
| LB1409      | 1513      |
| LB1412      |           |
| LB1413N     |           |
| LB1415      | 1514      |
| LB1416      | 1512      |
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| LB1641      | 7087      |
| LB1642      |           |
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| LB1645N     | 1716      |
| LB1646      |           |
| LB1648      |           |
| LB1649      | 1774      |
| LB1688      |           |
| LB1689      |           |
| LB1710      |           |
| LB3500      |           |
| <b>LC</b>   |           |
| LC4966      |           |
| LC6520      |           |
| LC6522      |           |
| LC6523H     |           |
| LC6527      |           |
| LC6528C     |           |
| LC6538D     |           |
| LC6554      |           |
| LC6568      |           |
| LC7191      |           |
| LC7215      |           |
| LC7218      |           |
| LC7220      |           |
| LC7258      |           |
| LC7265      |           |
| LC7267      |           |
| LC7363      |           |
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| LC7461      |           |
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| LC864616A-5B75 |           |
| LC864616A-5E43 |           |
| LC864616A-5H13 |           |
| LC866432       |           |
| <b>LD - LG</b> |           |
| LD3130         |           |
| LD3141         |           |
| LF351N         | 857M      |
| LF353N         | 858M      |
| LF355N         | 937M      |
| LF356N         | 937M      |
| LF398          |           |
| LG8838-04      |           |
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| LM307N         | 976       |
| LM308N         | 938M      |
| LM311          | 922       |
| LM317T         | 956       |
| LM318N         | 918M      |
| LM319D         | 919D      |
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| LM384N         | 862       |
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| LM387N         | 824       |
| LM388N         | 828       |
| LM390N         | 825       |
| LM393          | 943SM     |
| LM555          | 955M      |
| LM556          | 978       |
| LM567C         | 832       |
| LM711CN        | 911D      |
| LM723CN        | 923D      |
| LM741C         | 941       |
| LM748CH        | 1171      |
| LM748CN        | 975       |
| LM1011         | 2003      |
| LM1111CN       |           |
| LM1131CN       |           |
| LM1201N        |           |
| LM1203AN       |           |
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| LM1203N        | 7081      |
| LM1310N        | 801       |
| LM1391N        | 815       |



| PART NUMBER   | ECG / NTE |
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| LM1689        |           |
| LM1800        | 743       |
| LM1818        | 123A      |
| LM1819        | 1670      |
| LM1868        |           |
| LM1875T       |           |
| LM1876        |           |
| LM1877N       | 990       |
| LM1880        | 852       |
| LM1881N       |           |
| LM1889        | 846       |
| LM1894N       |           |
| LM2005        |           |
| LM2405T       |           |
| LM2406T       |           |
| LM2416        |           |
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| LM2901N       | 834       |
| LM2902N       | 987       |
| LM2903N       |           |
| LM2904N       | 928M      |
| LM2907N       | 995       |
| LM2917        | 995       |
| LM3065        | 712       |
| LM3080N       | 996       |
| LM3089        | 788       |
| LM3900N       | 992       |
| LM3911        |           |
| LM3914N       | 1508      |
| LM3915N       | 1509      |
| LM431ACZ      | 999       |
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| LM6413E       |           |
| LM6416        |           |
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| LM7805        | 960       |
| LM7808        | 964       |
| LM7812        | 966       |
| LM8560        | 2062      |
| LT1241        |           |
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| M27C1000-15F1 |           |
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| M5109         |           |
| M5185P        | 1411      |
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| M5193P        | 1297      |
| M5194P        |           |
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| M50721         |           |
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| M50725         |           |

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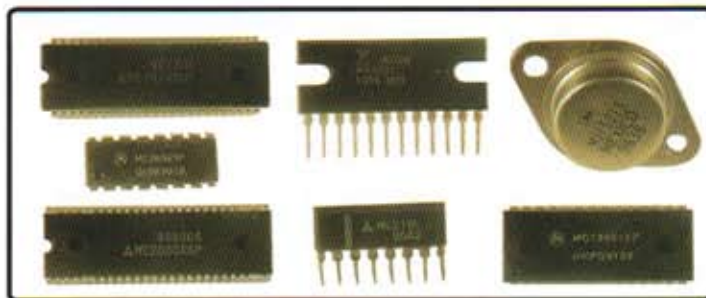
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| PART NUMBER | ECG / NTE |
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| M50940      |           |
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| M51173P     | 1488      |
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| M51414BSP   |           |
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| M51475      |           |
| M51496P     |           |
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| M51513L     | 1256      |
| M51514AL    | 1366      |
| M51515      | 1291      |
| M51516      | 1361      |
| M51517      | 1364      |
| M51518      | 1362      |
| M51521AL    | 1659      |
| M51522L     |           |
| M51543P     |           |
| M51544AL    | 1517      |
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| PART NUMBER | ECG / NTE |
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| M52030SP    |           |
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| M52055P     | 7110      |
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| M53206      | 7406      |
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| M54477L     | 7069      |
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| M54516P     | 2084      |
| M54517P     | 2079      |
| M54519P     | 2079      |
| M54521P     | 2078      |
| M54522P     | 2019      |
| M54523      | 2013      |
| M54527P     | 2077      |
| M54531P     | 2074      |
| M54532P     |           |
| M54534P     | 2072      |
| M54537      |           |
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| M54543      | 1628      |
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| M54548      | 1891      |
| M54549L     | 1892      |
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| M54649      | 7091      |
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| M54939SP    |           |
| M56730ASP   |           |
| M56732L     |           |
| M56746SP    |           |
| M56748FP    |           |
| M58485      | 1738      |
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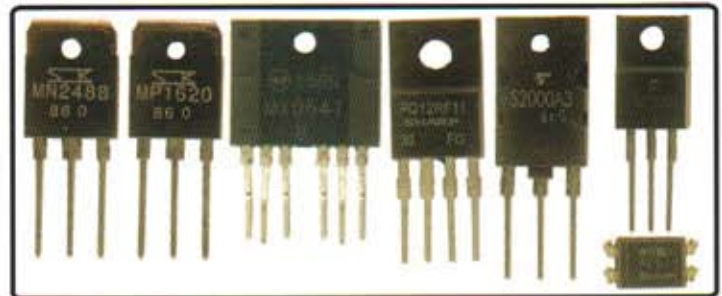


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| <b>MB - MBS</b> |           |
| MB3106          | 1659      |
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| MB3614          | 987       |
| MB3705          | 1407      |
| MB3712          | 1423      |
| MB3713          | 1424      |
| MB3715A         |           |
| MB3722          | 1368      |
| MB3730A         |           |
| MB3731          |           |
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| MB3756          | 1271      |
| MB3759          | 1729      |
| MB3761          |           |
| MB3763          |           |
| MB3771          |           |
| MB3773          |           |
| MB8118          |           |
| MB8719          |           |
| MB8763          |           |
| MB8841          |           |
| MB8845          |           |
| MB8851          |           |
| MB88301         |           |
| MB88303         |           |
| MB88307         |           |
| MBS4991         | 6403      |
| <b>MC</b>       |           |
| MC1309          | 1226      |
| MC1310P         | 801       |
| MC1330P         | 747       |
| MC1352          | 749       |
| MC1357P         | 708       |
| MC1358          | 712       |
| MC1374P         |           |
| MC1377P         | 879       |
| MC1391P         | 815       |
| MC1394P         | 836       |
| MC1408          |           |
| MC1413P         | 2013      |
| MC1455P         | 955M      |
| MC1458          | 778A      |
| MC1488D1        | 75188     |
| MC1489          | 75189     |
| MC1496          | 973       |
| MC1723          |           |
| MC2833          |           |
| MC3357          | 853       |
| MC3361          |           |
| MC3362          |           |
| MC3423          |           |
| MC3486          |           |
| MC3488          |           |
| MC3842          |           |
| MC6529          |           |

| PART NUMBER      | ECG / NTE |
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| MC7812           | 966       |
| MC10105          |           |
| MC11489P         |           |
| MC13001          |           |
| MC13007          |           |
| MC14013          |           |
| MC34012          |           |
| MC34050          |           |
| MC34063          |           |
| MC34065          | 1765      |
| MC34118          |           |
| MC34119          |           |
| MC145026B1       |           |
| MC145028B1       |           |
| MC145436         |           |
| <b>MDA - MFR</b> |           |
| MDA2061          |           |
| MDA2062          |           |
| MFR515           |           |
| <b>MJ</b>        |           |
| MJ802            | 181       |
| MJ900            | 244       |
| MJ1000           | 243       |
| MJ2501           | 246       |
| MJ2955           | 219       |
| MJ3000           | 245       |
| MJ4030           | 250       |
| MJ4032           | 250       |
| MJ4502           | 180       |
| MJ10001          | 98        |
| MJ10011          |           |
| MJ11014          |           |
| MJ11015          |           |
| MJ11016          |           |
| MJ11028          | 2349      |
| MJ12005          | 238       |
| MJ15001          | 60        |
| MJ15002          | 61        |
| MJ15003          | 60        |
| MJ15004          | 61        |
| MJ15012          | 68        |
| MJ15015          | 388       |
| MJ15016          | 68        |
| MJ15022          | 388       |
| MJ15023          | 68        |
| MJ15024          | 388       |
| MJ15025          | 68        |
| <b>MJE</b>       |           |
| MJE171           | 185       |
| MJE340           | 157       |
| MJE350           | 39        |
| MJE371           | 185       |
| MJE520           | 184       |
| MJE800           | 253       |

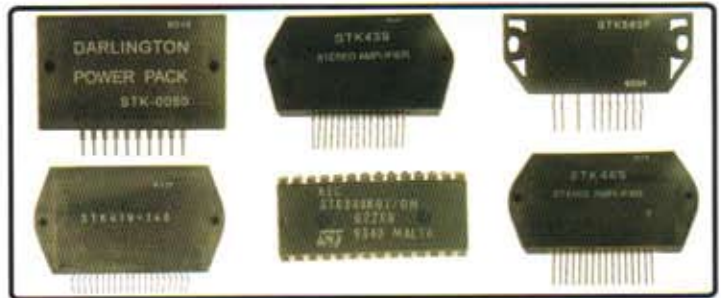
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| MJE1100          | 257       |
| MJE2955T         | 332       |
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| MJE9400          | 184       |
| MJE9450          | 185       |
| MJE12007         | 2303      |
| MJE13004         | 51        |
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| MJE13007         | 2312      |
| MJE13009         | 379       |
| <b>MJF - MM</b>  |           |
| MJF16206         |           |
| MK3801N04        |           |
| ML120            |           |
| MM5402           |           |
| MM5837           | 2041      |
| MM54021U         |           |
| <b>MN</b>        |           |
| MN12C201         |           |
| MN12C25          |           |
| MN12C261         |           |
| MN1217           |           |
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| MN1400           |           |
| MN1402           |           |
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| MN1411           |           |
| MN1413           |           |
| MN1414           |           |
| MN1551           |           |
| MN1551KDC        |           |
| MN2488           |           |
| MN3007           | 1641      |
| MN3101           | 1639      |
| MN8049           | 1849      |
| MN6163AS         |           |
| MN6163AS         | 1814      |
| MN6631           |           |
| MN6632           |           |
| MN8303           | 36        |
| MN14142          |           |
| MN14823          |           |
| MN14841          |           |
| MN15151          |           |
| MN15151Q14R      |           |
| MN15151SAMA3     |           |
| MN15212          |           |
| MN15245FEK       |           |
| MN15247Q10       |           |
| MN15266          |           |
| MN15287          |           |
| MN57512          |           |
| MN158413         |           |
| MN1872013        |           |
| MN1873237        |           |
| <b>MOC - MPQ</b> |           |
| MOC3010          | 3047      |
| MOC3011          | 3047      |
| MOC3020          | 3048      |
| MOC3021          | 3048      |
| MOC3022          | 3048      |
| MOC3030          | 3049      |

| PART NUMBER       | ECG / NTE |
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| MOC3033           |           |
| MP1620            |           |
| MPQ2907           | 2322      |
| MPQ3904           | 2321      |
| MPQ3906           | 2322      |
| <b>MPS - MPSU</b> |           |
| MPS6534           | 159       |
| MPS6562           | 159       |
| MPSA05            | 287       |
| MPSA06            | 287       |
| MPSA12            | 48        |
| MPSA13            | 46        |
| MPSA18            | 47        |
| MPSA42            | 287       |
| MPSA43            | 287       |
| MPSA44            |           |
| MPSA55            | 288       |
| MPSA56            | 159       |
| MPSA92            | 288       |
| MPSA93            | 288       |
| MPSU04            | 190       |
| MPSU10            | 191       |
| MPSU31            | 322       |
| MPSU51            | 189       |
| MPSU60            | 240       |
| <b>MRF - MX</b>   |           |
| MRF515            | 486       |
| MSL915RS          |           |
| MTH8N45           | 2393      |
| MTH40N06          |           |
| MTP50N06          |           |
| MTP6N60           | 2379      |
| MTP8N50           | 2385      |
| MTP2955           |           |
| MTP3055E          |           |
| MUR410            | 576       |
| MX0541            |           |
| MX0841            |           |
| MX0842            |           |
| <b>N</b>          |           |
| N1111             |           |
| N4111             | 2356      |
| N4213             |           |
| N4215             |           |
| <b>NE</b>         |           |
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| NE542             | 824       |
| NE544             |           |
| NE545             |           |
| NE555             | 955M      |
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| NE566             |           |
| NE567             | 832       |
| NE572             |           |
| NE645B            | 2004      |
| NE646             | 2004      |
| NE652             |           |
| NE654             |           |
| NE657             |           |
| NE5532P           | 778A      |
| NE5534            | 894M      |



| PART NUMBER     | ECG / NTE |
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| NE5560          | 1672      |
| <b>NJM</b>      |           |
| NJM353          |           |
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| NJM2073         |           |
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| NJM2360         |           |
| NJM2606         |           |
| NJM3404D        |           |
| NJM4558         | 778A      |
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| NJM4559         | 778A      |
| NJM4560         |           |
| NJM4565         |           |
| NJM4580         |           |
| NJM5532         |           |
| <b>NMC - OP</b> |           |
| NMC93C56        |           |
| NMC9346         |           |
| OEC0015         |           |
| OEC9008         |           |
| OEC9010         |           |
| OEC9012         |           |
| OP07            |           |
| <b>P - PU</b>   |           |
| P6N25           |           |
| P6NA60          |           |
| PA0016          |           |
| PA0021          |           |
| PA0036          |           |
| PA3005          | 1399      |
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| PAL002A         |           |
| PBL3717         |           |
| PC111           |           |
| PC113           |           |
| PC713           | 3041      |
| PC714           | 3041      |
| PC814           |           |
| PC816           | 3098      |
| PC817           | 3098      |
| PC829           |           |
| PC900           |           |
| PCF8581         |           |
| PCF8582         |           |
| PD7003          |           |
| PLL01A          |           |
| PLL02           | 1167      |
| PQ12RF11        | 7128      |

| PART NUMBER    | ECG / NTE |
|----------------|-----------|
| PQ12RF21       |           |
| PQ30RV11       |           |
| PS2501         |           |
| PS2506         |           |
| PU4124         |           |
| <b>R - RSN</b> |           |
| R2KY           | 570       |
| R1004          |           |
| RC4136         | 997       |
| RC4558         | 778A      |
| RC4560         |           |
| RC4565         |           |
| RN1201         | 2367      |
| RN1202         | 2355      |
| RN1203         | 2357      |
| RN1204         | 2359      |
| RN1207         |           |
| RN2201         | 2368      |
| RN2202         | 2356      |
| RSN3305-P      |           |
| RSN3502B       |           |
| <b>S - SAS</b> |           |
| S-80W          |           |
| S1236          | 291       |
| S1350          | 159       |
| S1375          | 49        |
| S1854          |           |
| S2000          |           |
| S2000A3        |           |
| S2000AF        |           |
| S2055AF        | 2353      |
| S2055N         |           |
| S6344G         | 5424      |
| S6565G         |           |
| S6612F         | 5424      |
| S6785F         |           |
| S6785G         |           |
| S8050          |           |
| S8550          |           |
| S9013          |           |
| S9014          |           |
| S9015          |           |
| S9018          |           |
| SAA1006        |           |
| SAA1042        |           |
| SAA1124        | 1574      |
| SAA1130        |           |
| SAA1351        |           |
| SAB3013        |           |
| SAB3037        | 1786      |
| SAB3209        |           |
| SAF1039P       | 1760      |
| SAS560         |           |
| SAS570         |           |
| SAS570S        |           |
| SAS580         |           |



| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| <b>SBX</b>       |           |
| SBX1476          |           |
| SBX1535          |           |
| SBX1637A         |           |
| <b>SCM - SDH</b> |           |
| SCM238           |           |
| SD3621           |           |
| SDA3202-3        | 7108      |
| SDA3412          |           |
| SDH209           |           |
| SDH209B          |           |
| <b>SE</b>        |           |
| SE110N           |           |
| SE115N           |           |
| SE120N           |           |
| SE125N           |           |
| SE130N           |           |
| SE135N           |           |
| SE140N           |           |
| <b>SF - SI</b>   |           |
| SF3G41           | 5465      |
| SF3J41           | 5466      |
| SG264A           | 276       |
| SG613A           | 276       |
| SG3524           | 1720      |
| SG3525A          | 1721      |
| SG3526           | 1722      |
| SG3540           |           |
| SGSIF444         |           |
| SGSP479          | 2393      |
| SH1030G1         |           |
| SH1050G          |           |
| SH1125-J         |           |
| SH1725GD         |           |
| SH18751          |           |
| SH18752          |           |
| SI3052V          | 1934X     |
| SI3120           |           |
| SI3122P          |           |
| SI3132V          |           |
| SI3152           |           |
| SI3152P          | 1938      |
| SI3152V          |           |
| SI7301           |           |
| <b>SK</b>        |           |
| SK3050           | 222       |
| SK3090           | 109       |
| SK3150C          | 5084A     |
| SK3875           | 1291      |
| SK18751          |           |
| SK18752          |           |
| SKT6942          |           |
| <b>SL - SP</b>   |           |
| SL490            | 1755      |
| SL507            |           |
| SLA7020          |           |
| SLA9030          |           |
| SLA9030M         |           |
| SMR40000         |           |
| SMR40100         |           |

| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| SMR40200         |           |
| SN16880          |           |
| SN29764          |           |
| SN29772          |           |
| SN75154          |           |
| SN75172          | 2631      |
| SN75174          |           |
| SN75189          | 75189     |
| SN76007N         | 812       |
| SN76477          |           |
| SN76515          |           |
| SN76620N         |           |
| SN76650N         | 749       |
| SN76666          | 712       |
| SN76670N         |           |
| SN76730N         |           |
| SN76750          |           |
| SN76873          | 1555      |
| SP600            | 1396      |
| <b>SSP - STD</b> |           |
| SSP6N60A         | 2379      |
| SSP6N60F1        | 2947      |
| SSS6N60A         | 2947      |
| ST6344KBI        |           |
| ST6497           |           |
| STA301A          |           |
| STA302           |           |
| STA341M          |           |
| STA401           |           |
| STA401A          |           |
| STA402           |           |
| STA403A          |           |
| STA404           |           |
| STA433           |           |
| STA434A          |           |
| STA435           |           |
| STA451           |           |
| STA455           |           |
| STA471A          |           |
| STA901           |           |
| STA901M          |           |
| STD580           |           |
| <b>STK</b>       |           |
| STK0025          | 1320      |
| STK0029          | 1320      |
| STK0039          | 1282      |
| STK0040          | 1333      |
| STK0040-II       |           |
| STK0049          | 1321      |
| STK0050          | 1281      |
| STK0050-II       |           |
| STK0060          | 1346      |
| STK0060A         | 1322      |
| STK0080-II       | 1335      |
| STK0100          |           |
| STK0100-II       |           |
| STK0105          | 1342      |
| STK011           | 1024      |
| STK014           | 1252      |
| STK015           | 1027      |
| STK025           | 1090      |
| STK032           | 1090      |
| STK040           | 1324      |
| STK043           | 1325      |
| STK050           | 1336      |
| STK056           | 1028      |
| STK078           | 1326      |

| PART NUMBER | ECG / NTE |
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| STK080      | 1327      |
| STK082      | 1327      |
| STK084      | 1328      |
| STK084G     |           |
| STK086      | 1337      |
| STK086G     |           |
| STK0292     |           |
| STK0401     |           |
| STK190-020  |           |
| STK190-110  |           |
| STK350-030  |           |
| STK350-230  |           |
| STK390-910  |           |
| STK391-020  |           |
| STK392-010  |           |
| STK392-020  |           |
| STK392-040  |           |
| STK392-110  |           |
| STK396-010  |           |
| STK400-020  |           |
| STK401      |           |
| STK401-020  |           |
| STK401-040  |           |
| STK401-041  |           |
| STK401-061  |           |
| STK401-090  |           |
| STK401-120  |           |
| STK401-130  |           |
| STK401-140  |           |
| STK405-050  |           |
| STK405-070  |           |
| STK405-090  |           |
| STK405-110  |           |
| STK405-120A |           |
| STK407-050  |           |
| STK407-240  |           |
| STK411-220E |           |
| STK411-230K |           |
| STK417-100  |           |
| STK417-130  |           |
| STK419-110  |           |
| STK419-120  |           |
| STK419-130  |           |
| STK419-140  |           |
| STK419-150  |           |
| STK420      |           |
| STK430      | 1343      |
| STK433      | 1218      |
| STK435      | 1218      |
| STK436      |           |
| STK437      | 1219      |
| STK439      | 1219      |
| STK441      | 1329      |
| STK443      |           |
| STK457      | 1330      |
| STK459      | 1330      |
| STK460      | 1347      |
| STK461      | 1331      |
| STK463      | 1331      |
| STK465      | 1345      |

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| STK482      |           |
| STK488-010  |           |
| STK488-020  |           |
| STK561F     | 1732      |
| STK563A     | 1732      |
| STK563F     | 1732      |
| STK583F     | 1732      |
| STK730-010  | 7125      |
| STK730-020  | 7126      |
| STK730-030  |           |
| STK730-080  |           |
| STK730-090  |           |
| STK730-120  |           |
| STK730-130  | 7125      |
| STK730-150  |           |
| STK740-020  |           |
| STK750-010  |           |
| STK791      |           |
| STK1039     |           |
| STK1049     |           |
| STK1050A    | 1358      |
| STK1050-II  |           |
| STK1060     | 1360      |
| STK1060-II  |           |
| STK1070     |           |
| STK1070-II  |           |
| STK1080-II  |           |
| STK2025     | 1356      |
| STK2028     |           |
| STK2028-II  |           |
| STK2029     | 1356      |
| STK2030     |           |
| STK2038     |           |
| STK2038-II  |           |
| STK2038-IV  |           |
| STK2048-II  |           |
| STK2068-II  |           |
| STK2125     |           |
| STK2129     |           |
| STK2139     |           |
| STK2230     | 1875      |
| STK2240     |           |
| STK2250     |           |
| STK2260     |           |
| STK3041     |           |
| STK3042     | 1338      |
| STK3042-II  |           |
| STK3042-III | 1878      |
| STK3044     |           |
| STK3062     |           |
| STK3062-II  |           |
| STK3082A    | 1339      |
| STK3082-II  |           |
| STK3082-III |           |
| STK3102-II  |           |
| STK3102-III |           |
| STK3122-III |           |
| STK3152-III |           |
| STK4024-II  | 1815      |
| STK4026     |           |

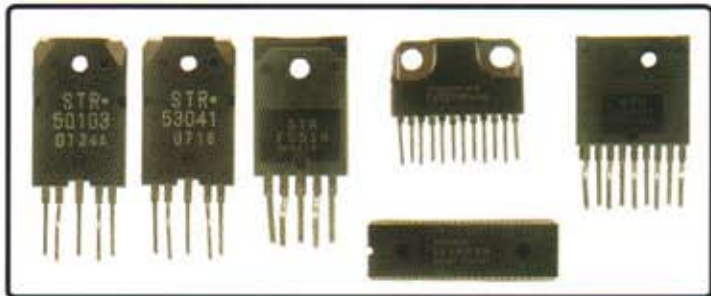
| PART NUMBER             | ECG / NTE |
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| STK4026-II              |           |
| STK4030-II              |           |
| STK4036-II              | 7030      |
| STK4036-X               |           |
| STK4038-II              |           |
| STK4038-XI              |           |
| STK4040-II              |           |
| STK4040-V               |           |
| STK4040-X               |           |
| STK4040-XI              |           |
| STK4042-II              |           |
| STK4042-XI              |           |
| STK4044-II              | 7031      |
| STK4044-V               | 1882      |
| STK4044-X               |           |
| STK4044-XI              |           |
| STK4046-XI              | 7032      |
| STK4048-II              |           |
| STK4048-V               |           |
| STK4048-XI              |           |
| STK4050-II              |           |
| STK4060                 |           |
| STK4101-II              | 1816      |
| STK4102-II              |           |
| STK4111-II              | 1874      |
| STK4112-II              |           |
| STK4121-II              | 1874      |
| STK4121-V               |           |
| STK4122-II              |           |
| STK4131-II              | 1817      |
| STK4131-V               |           |
| STK4132-II              |           |
| STK4132-V               |           |
| STK4133-II              |           |
| STK4137-II              |           |
| STK4140-II              |           |
| STK4141                 |           |
| STK4141-II              | 1818      |
| STK4141-V               |           |
| STK4142-II              | 1818      |
| STK4144-II              |           |
| STK4151-II              | 1315      |
| STK4151-V               |           |
| STK4152-II              | 1819      |
| STK4161-II              | 1315      |
| STK4161-V               |           |
| STK4162-II              |           |
| STK4164-II              |           |
| STK4171-II              | 1316      |
| STK4171-V               | 1317      |
| STK4171-VSA             | 1317      |
| STK4172-II              |           |
| STK4174-II              |           |
| STK4181-II              | 1316      |
| STK4181-V               | 1317      |
| STK4182-II              | 1871      |
| STK4184-II              |           |
| STK4187-II              |           |
| STK4191-II *16 PINS*    | 1316      |
| STK4191-II*GS *22 PINS* |           |
| STK4191-V               | 1317      |
| STK4191-X               |           |
| STK4192-II              | 1871      |
| STK4197-II              |           |
| STK4201-II              |           |
| STK4201-III             |           |
| STK4201-V               |           |
| STK4211-II              |           |
| STK4211-V               |           |
| STK4216-X               |           |
| STK4221-II              |           |

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| STK4221-V   |           |
| STK4225-II  |           |
| STK4231-II  | 7029      |
| STK4231-V   |           |
| STK4234-II  |           |
| STK4235-II  |           |
| STK4241-II  |           |
| STK4272     |           |
| STK4273     | 1879      |
| STK4274     |           |
| STK4275     |           |
| STK4277     |           |
| STK4278     |           |
| STK4278L    |           |
| STK4301     | 1877      |
| STK4311     | 1877      |
| STK4332     |           |
| STK4352     |           |
| STK4362     | 1218      |
| STK4372     |           |
| STK4392     |           |
| STK4412     | 1344      |
| STK4432     |           |
| STK4793     |           |
| STK4803     |           |
| STK4813     |           |
| STK4833     | 1820      |
| STK4843     | 1820      |
| STK4853     |           |
| STK4863     |           |
| STK4913     |           |
| STK5314     |           |
| STK5322     | 1318      |
| STK5323     |           |
| STK5324     |           |
| STK5325     |           |
| STK5326     |           |
| STK5331     |           |
| STK5332     | 1880      |
| STK5333     | 7036      |
| STK5335     |           |
| STK5338     |           |
| STK5340     |           |
| STK5342     | 7035      |
| STK5343     |           |
| STK5346     | 7024      |
| STK5352     | 7026      |
| STK5362     |           |
| STK5364A    | 7037      |
| STK5371     |           |
| STK5372     | 1883      |
| STK5383     |           |
| STK5392     |           |
| STK5395     |           |
| STK5421     |           |
| STK5422     |           |
| STK5431ST   | 1733      |
| STK5436     | 1876      |
| STK5441     | 1734      |
| STK5441A    |           |
| STK5443     |           |
| STK5446     |           |
| STK5451     | 1735      |
| STK5461     | 7027      |
| STK5462     |           |
| STK5464     | 7023      |
| STK5466     | 1821      |
| STK5468     | 7028      |
| STK5471     | 1822      |
| STK5472     |           |
| STK5474     | 7074      |



| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| STK5476          | 7022      |
| STK5477          | 7034      |
| STK5478S         |           |
| STK5479          | 1884      |
| STK5481          | 1823      |
| STK5482          | 1872      |
| STK5483          |           |
| STK5486          | 7038      |
| STK5490          | 1823      |
| STK5631C         |           |
| STK5632          |           |
| STK5633          |           |
| STK6324          |           |
| STK6722          | 1885      |
| STK6922          |           |
| STK6932          |           |
| STK6942          | 1824      |
| STK6962          | 1748      |
| STK6972          | 1825      |
| STK6981          | 1736      |
| STK6982B         | 1736      |
| STK6982-II       |           |
| STK7216          |           |
| STK7217          |           |
| STK7231          |           |
| STK7251          |           |
| STK7253          |           |
| STK7271          |           |
| STK7308          | 1870      |
| STK7309          | 1870      |
| STK7310          | 7075      |
| STK7348          | 7025      |
| STK7358          | 7033      |
| STK7359          |           |
| STK7404A         | 7021      |
| STK7406          | 7021      |
| STK7408          | 7021      |
| STK7563F         |           |
| STK8040          |           |
| STK8050          |           |
| STK8250          |           |
| STK51422A        |           |
| STK51427         |           |
| STK73012         |           |
| STK73408         |           |
| STK73408-II      |           |
| STK73410         |           |
| STK73410-II      |           |
| STK73903         |           |
| STK73907         |           |
| STK73907T        |           |
| STK73908         |           |
| STK73909         |           |
| <b>STM - STP</b> |           |
| STM202           |           |
| STP6N60F1        | 2947      |
| STP6NA60         | 2947      |

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| <b>STR</b>  |           |
| STR370      |           |
| STR371      |           |
| STR380      | 1548      |
| STR381      | 1546      |
| STR382      | 1553      |
| STR383      | 1719      |
| STR384      |           |
| STR385      | 1553      |
| STR440      | 1645      |
| STR442      |           |
| STR450      |           |
| STR451      |           |
| STR456      |           |
| STR457      |           |
| STR459      |           |
| STR460      |           |
| STR470      | 1644      |
| STR734      |           |
| STR1096     |           |
| STR1229     |           |
| STR2012     | 1867      |
| STR2013     | 1868      |
| STR2102     |           |
| STR2105     |           |
| STR2124     |           |
| STR3015     | 1740      |
| STR3035     | 1743      |
| STR3105     |           |
| STR3110     |           |
| STR3113     |           |
| STR3115     | 1740      |
| STR3118     |           |
| STR3120     |           |
| STR3122     |           |
| STR3123     |           |
| STR3125     | 1741      |
| STR3126     |           |
| STR3127     |           |
| STR3130     | 1742      |
| STR3135     | 1743      |
| STR3213     |           |
| STR3214     |           |
| STR3215     |           |
| STR3220     |           |
| STR3225     |           |
| STR3230     |           |
| STR3234     |           |
| STR3335     |           |
| STR4090     |           |
| STR4090A    |           |
| STR4142     |           |
| STR4211     |           |
| STR5015     |           |
| STR5100     | 1886      |
| STR5214     |           |
| STR5312     |           |
| STR5314     |           |
| STR5315     |           |



| PART NUMBER | ECG / NTE |
|-------------|-----------|
| STR5395     |           |
| STR5412     |           |
| STR6020     |           |
| STR8124     |           |
| STR9005     |           |
| STR9012     |           |
| STR10006    | 7092      |
| STR11006    | 7092      |
| STR12006    | 7095      |
| STR13006    | 7093      |
| STR15006    | 7095      |
| STR17006    |           |
| STR20012    |           |
| STR20015    |           |
| STR30110    | 7077      |
| STR30112    |           |
| STR30113    |           |
| STR30115    | 1896      |
| STR30118    |           |
| STR30120    | 1839      |
| STR30123    | 1776      |
| STR30125    | 1897      |
| STR30130    | 1777      |
| STR30134    | 1778      |
| STR30135    | 1778      |
| STR41090    |           |
| STR44111    |           |
| STR45111    |           |
| STR50041    | 1894      |
| STR50092    |           |
| STR50095    |           |
| STR50103    |           |
| STR50103A   |           |
| STR50112    |           |
| STR50113    |           |
| STR50115    |           |
| STR50130    |           |
| STR50213    |           |
| STR50215    |           |
| STR50330    |           |
| STR51041    | 1895      |
| STR51330    |           |
| STR52041    |           |
| STR52100    |           |
| STR53041    | 1840      |
| STR53043    | 1841      |
| STR54041    | 1796      |
| STR55041    |           |
| STR57041    |           |
| STR58041    | 7078      |
| STR58041A   | 7078      |
| STR59041    | 7079      |
| STR60001    |           |
| STR80145    |           |
| STR81145    |           |
| STR81159    |           |
| STR83159    |           |
| STR90120    |           |
| <b>STRD</b> |           |
| STRD1005    |           |
| STRD1206    |           |
| STRD1406    |           |
| STRD1706    |           |
| STRD1806    |           |
| STRD1816    |           |
| STRD3010    |           |
| STRD3030    |           |
| STRD3035    |           |
| STRD4512    |           |

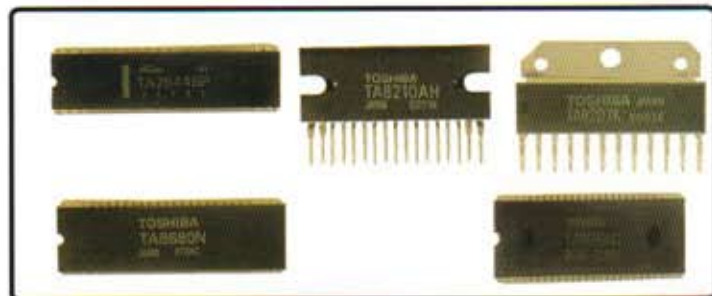
| PART NUMBER | ECG / NTE |
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| STRD5441    |           |
| STRD5541    |           |
| STRD6004    |           |
| STRD6601    |           |
| STRD6602    |           |
| STRD6801    |           |
| <b>STRF</b> |           |
| STRF6514    |           |
| STRF6515    |           |
| STRF6516    |           |
| STRF6524    |           |
| STRF6624    |           |
| STRF6626    |           |
| STRF6628    |           |
| STRF6654    |           |
| <b>STRM</b> |           |
| STRM6511    |           |
| STRM6515    |           |
| STRM6515A   |           |
| STRM6516A   |           |
| STRM6542A   |           |
| STRM6543    |           |
| STRM6545    |           |
| STRM6549    |           |
| STRM6559    |           |
| STRM6811    |           |
| <b>STRS</b> |           |
| STRS5041G   |           |
| STRS5041T   |           |
| STRS5141G   |           |
| STRS5241G   |           |
| STRS5703    |           |
| STRS5707    |           |
| STRS5708    |           |
| STRS5717    |           |
| STRS5741    |           |
| STRS5941    |           |
| STRS6301    | 7073      |
| STRS6301A   | 7046      |
| STRS6302    |           |
| STRS6307    |           |
| STRS6308    |           |
| STRS6309    |           |
| STRS6421    |           |
| STRS6501    |           |
| STRS6511    |           |
| STRS6702    |           |
| STRS6703    |           |
| STRS6704    |           |
| STRS6706    |           |
| STRS6707    |           |
| STRS6708    |           |
| STRS6709    |           |
| STRS6717    |           |
| STRS6718    |           |
| <b>STRZ</b> |           |
| STRZ2151    |           |
| STRZ2152    |           |
| STRZ2751    |           |
| STRZ2753C   |           |
| STRZ3201    |           |
| STRZ4117    |           |
| STRZ4151    |           |

| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| STRZ4201         |           |
| STRZ4214         |           |
| <b>STV</b>       |           |
| STV9379          |           |
| STVHD90          | 2395      |
| <b>SVI - SZM</b> |           |
| SVI3100          |           |
| SVI3101          |           |
| SVI3102          |           |
| SVI3105          |           |
| SVI3205          |           |
| SVI3206D         |           |
| SZM238EC         |           |
| <b>T</b>         |           |
| T900BI           | 1624      |
| T2508            | 1751      |
| T2800            | 5633      |
| <b>TA - TAA</b>  |           |
| TA860            |           |
| TA1201AN         |           |
| TA1202AN         |           |
| TA1223AN         |           |
| TA1233N          |           |
| TA1242N          |           |
| TA1252           |           |
| TA1268N          |           |
| TA1282N          |           |
| TA2003P          |           |
| TA2008AN         |           |
| TA2019           |           |
| TA2030           |           |
| TA2040           |           |
| TA2058F          |           |
| TA2065F          |           |
| TA2067           |           |
| TA2068N          |           |
| TA2092N          |           |
| TA7027AP         |           |
| TA7060           |           |
| TA7061           | 1100      |
| TA7066P          | 1468      |
| TA7092AP         | 1023      |
| TA7092P          | 1107      |
| TA7120P          | 1087      |
| TA7133           |           |
| TA7137P          | 1466      |
| TA7140P          | 1468      |
| TA7150P          | 1130      |
| TA7154P          |           |
| TA7156P          | 801       |
| TA7157P          | 1206      |
| TA7176AP         | 1236      |

| PART NUMBER | ECG / NTE |
|-------------|-----------|
| TA7178      |           |
| TA7193AP    |           |
| TA7200      | 1153      |
| TA7203      | 1154      |
| TA7204P     | 1153      |
| TA7205AP    | 1155      |
| TA7207P     | 1476      |
| TA7208P     | 1476      |
| TA7210      |           |
| TA7214P     | 1273      |
| TA7217AP    | 1370      |
| TA7220      |           |
| TA7222AP    | 1278      |
| TA7223P     |           |
| TA7225P     |           |
| TA7227P     | 1394      |
| TA7229P     | 1372      |
| TA7230P     | 1387      |
| TA7232P     |           |
| TA7233      |           |
| TA7237      |           |
| TA7238      |           |
| TA7240      |           |
| TA7241      |           |
| TA7242      |           |
| TA7243      |           |
| TA7245BP    |           |
| TA7250BP    |           |
| TA7251      |           |
| TA7252AP    |           |
| TA7256      |           |
| TA7262P     |           |
| TA7263      |           |
| TA7264P     |           |
| TA7265AP    |           |
| TA7267BP    | 7064      |
| TA7269      |           |
| TA7270P     | 1830      |
| TA7271P     | 1831      |
| TA7272      |           |
| TA7273      |           |
| TA7274P     | 1832      |
| TA7279P     |           |
| TA7280P     | 1898      |
| TA7281P     | 1899      |
| TA7282AP    |           |
| TA7283AP    |           |
| TA7284      |           |
| TA7288P     | 1834      |
| TA7291      |           |
| TA7291P     |           |
| TA7291S     | 7043      |
| TA7291SA    |           |
| TA7292      |           |
| TA7293      |           |
| TA7294P     |           |
| TA7299P     | 1830      |
| TA7302P     | 1474      |
| TA7303P     | 1525      |
| TA7310      | 1192      |

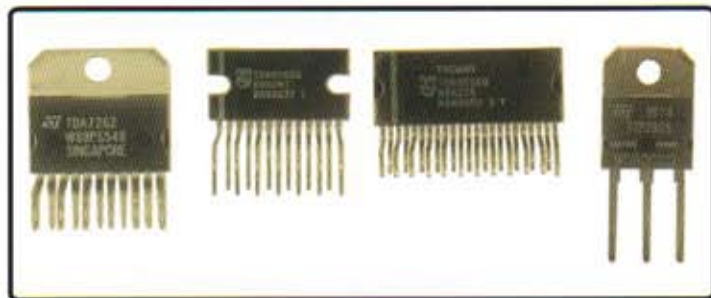
| PART NUMBER | ECG / NTE |
|-------------|-----------|
| TA7313P     | 1465      |
| TA7315BP    |           |
| TA7317      | 1498      |
| TA7318      |           |
| TA7320P     |           |
| TA7323      |           |
| TA7324P     |           |
| TA7325P     | 1730      |
| TA7328      |           |
| TA7330      |           |
| TA7331P     |           |
| TA7335P     |           |
| TA7336P     |           |
| TA7337P     |           |
| TA7341P     |           |
| TA7342P     |           |
| TA7343AP    | 1657      |
| TA7347P     | 1873      |
| TA7348BP    | 1826      |
| TA7349      |           |
| TA7358AP    | 1843      |
| TA7361P     | 1787      |
| TA7362      |           |
| TA7364P     |           |
| TA7365P     |           |
| TA7368      |           |
| TA7370P     |           |
| TA7376P     |           |
| TA7378P     |           |
| TA7401AP    |           |
| TA7405P     | 5465      |
| TA7411      |           |
| TA7417      |           |
| TA7502      |           |
| TA7555P     | 955M      |
| TA7558P     |           |
| TA7604P     |           |
| TA7606P     |           |
| TA7607AP    | 1545      |
| TA7608CP    | 1532      |
| TA7609P     | 1496      |
| TA7611AP    | 1413      |
| TA7613P     | 1624      |
| TA7614AP    | 1654      |
| TA7616      |           |
| TA7621P     |           |
| TA7628HP    |           |
| TA7629P     |           |
| TA7630P     | 1576      |
| TA7634AP    |           |
| TA7640AP    | 1842      |
| TA7641      |           |
| TA7644BP    |           |
| TA7644CP    |           |
| TA7644P     | 1547      |
| TA7654      |           |
| TA7657P     |           |
| TA7658P     | 1571      |
| TA7660P     | 1775      |
| TA7664P     | 1573      |
| TA7665      |           |
| TA7666P     |           |
| TA7668BP    | 1651      |
| TA7670P     | 1671      |
| TA7671P     | 1236      |
| TA7673P     | 1611      |
| TA7678CP    |           |
| TA7680AP    | 1572      |
| TA7681AP    | 1570      |
| TA7687AP    |           |
| TA7688P     |           |

| PART NUMBER | ECG / NTE |
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| TA7698AP    |           |
| TA7699AP    |           |
| TA7705P     |           |
| TA7717AP    |           |
| TA7719      |           |
| TA7736      |           |
| TA7738      |           |
| TA7739P     |           |
| TA7750P     | 7012      |
| TA7757BP    |           |
| TA7758BP    |           |
| TA7764P     |           |
| TA7769      |           |
| TA7777N     | 1790      |
| TA7777P     | 1790      |
| TA7778      |           |
| TA7784      |           |
| TA7787P     |           |
| TA7792      |           |
| TA7796P     |           |
| TA7799      |           |
| TA8100      |           |
| TA8101N     |           |
| TA8102AP    |           |
| TA8105      |           |
| TA8108AP    |           |
| TA8110AP    |           |
| TA8111AP    |           |
| TA8117N     |           |
| TA8119P     |           |
| TA8122      |           |
| TA8125S     |           |
| TA8127      |           |
| TA8132      |           |
| TA8158      |           |
| TA8162SN    | 515       |
| TA8164P     |           |
| TA8167N     |           |
| TA8176SN    |           |
| TA8184P     |           |
| TA8189N     |           |
| TA8194Z     |           |
| TA8200AH    | 7068      |
| TA8201AK    | 1832      |
| TA8202      |           |
| TA8205AH    | 7088      |
| TA8207K     |           |
| TA8208      |           |
| TA8210AH    | 7041      |
| TA8210H     | 7041      |
| TA8211AH    | 7070      |
| TA8212      |           |
| TA8213K     |           |
| TA8214      |           |
| TA8215H     |           |
| TA8215L     |           |
| TA8216H     |           |
| TA8217P     |           |
| TA8218AH    |           |
| TA8220AH    |           |
| TA8221AH    |           |
| TA8221H     |           |
| TA8223      |           |
| TA8224      |           |
| TA8225AH    |           |
| TA8225H     |           |
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| TA8227P     |           |
| TA8228      |           |
| TA8229K     |           |
| TA8231L     |           |



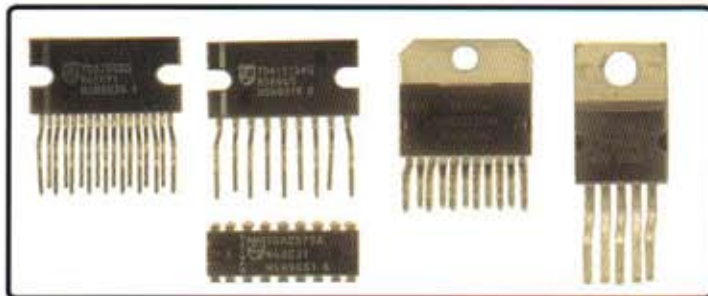
| PART NUMBER | ECG / NTE |
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| TA8232      |           |
| TA8233H     |           |
| TA8238K     |           |
| TA8246      |           |
| TA8248K     |           |
| TA8251AH    |           |
| TA8255AH    |           |
| TA8256      |           |
| TA8260      |           |
| TA8400P     |           |
| TA8403K     |           |
| TA8405S     |           |
| TA8409S     |           |
| TA8410AK    |           |
| TA8410P     |           |
| TA8423P     |           |
| TA8424F     |           |
| TA8427K     |           |
| TA8428      |           |
| TA8432K     |           |
| TA8435H     |           |
| TA8445K     |           |
| TA8449P     |           |
| TA8601BN    | 7065      |
| TA8604      |           |
| TA8605AN    |           |
| TA8606N     |           |
| TA8607P     |           |
| TA8611AN    |           |
| TA8615N     |           |
| TA8617S     |           |
| TA8618S     |           |
| TA8620P     |           |
| TA8622      |           |
| TA8628N     |           |
| TA8629N     |           |
| TA8631N     |           |
| TA8637BP    |           |
| TA8644      |           |
| TA8647S     |           |
| TA8654N     | 7058      |
| TA8655AN    |           |
| TA8659      |           |
| TA8659CN    |           |
| TA8677N     | 1790      |
| TA8680      |           |
| TA8680AN    | 7010      |
| TA8680BN    |           |
| TA8680N     | 7010      |
| TA8690AN    |           |
| TA8691N     |           |
| TA8701AN    |           |
| TA8718N     |           |
| TA8723N     |           |
| TA8724N     |           |
| TA8725AN    |           |
| TA8731      |           |
| TA8745EN    |           |
| TA8745N     |           |
| TA8747N     |           |

| PART NUMBER     | ECG / NTE |
|-----------------|-----------|
| TA8751AN        |           |
| TA8759BN        |           |
| TA8766          |           |
| TA8768AN        |           |
| TA8782          |           |
| TA8792N         |           |
| TA8801AN        |           |
| TA8801N         |           |
| TA8808          |           |
| TA8815          |           |
| TA8822          |           |
| TA8823N         |           |
| TA8825AN        |           |
| TA8845AN        |           |
| TA8850N         |           |
| TA8851AN        |           |
| TA8851CN        |           |
| TA8859AP        |           |
| TA8862P         |           |
| TA8864AN        |           |
| TA8867          |           |
| TA8870          |           |
| TA8871          |           |
| TA8879N         |           |
| TA8880CN        |           |
| TA8887N         |           |
| TA8891N         |           |
| TA31002P        |           |
| TA31101AP       |           |
| TA75358         |           |
| TA75393         |           |
| TA75558S        | 1529      |
| TA75559S        | 1529      |
| TA75902P        | 987       |
| TAA761          |           |
| <b>TB - TBA</b> |           |
| TBA120S         | 1292      |
| TBA120U         | 1580      |
| TBA520          |           |
| TBA530          |           |
| TBA540          |           |
| TBA570A         |           |
| TBA800          | 1116      |
| TBA810          | 1115      |
| TBA810P         | 1115A     |
| TBA810S         | 1115      |
| TBA810SH        | 1115A     |
| TBA820L         | 1117      |
| TBA820M         | 1294      |
| TBA920          |           |
| TB1203AP        |           |
| TB1207          |           |
| TB1231AN        |           |
| TBA1440         |           |
| TBA2800         | 1764      |



| PART NUMBER | ECG / NTE | PART NUMBER      | ECG / NTE |
|-------------|-----------|------------------|-----------|
| TDA4850     | 7132      | TDA8137          |           |
| TDA4851     | 7133      | TDA8138          |           |
| TDA4852     |           | TDA8139          |           |
| TDA4858     | 7134      | TDA8143          |           |
| TDA4860     | 7135      | TDA8145          |           |
| TDA4861     | 7136      | TDA8170          |           |
| TDA4866     |           | TDA8172          | 1788      |
| TDA4881     | 7137      | TDA8173          |           |
| TDA4882     | 7138      | TDA8174          | 1858      |
| TDA4950     |           | TDA8174A         | 1858      |
| TDA5030     |           | TDA8175          | 7017      |
| TDA5630     |           | TDA8176          |           |
| TDA6101Q    |           | TDA8177          |           |
| TDA6103Q    | 7139      | TDA8178S         |           |
| TDA6106Q    |           | TDA8179S         |           |
| TDA6107Q    |           | TDA8198          |           |
| TDA6108     |           | TDA8199          |           |
| TDA6111Q    |           | TDA8205          |           |
| TDA7000     |           | TDA8215          |           |
| TDA7050     |           | TDA8302          |           |
| TDA7052     | 7051      | TDA8305A         | 7047      |
| TDA7053     | 7116      | TDA8340          |           |
| TDA7056     | 7052      | TDA8341          |           |
| TDA7056A    |           | TDA8350Q         |           |
| TDA7057AQ   |           | TDA8351          |           |
| TDA7057Q    |           | TDA8356          | 7131      |
| TDA7072P    |           | TDA8361          |           |
| TDA7073     |           | TDA8362          |           |
| TDA7222     |           | TDA8363          |           |
| TDA7230     |           | TDA8365          |           |
| TDA7231     |           | TDA8368          |           |
| TDA7232     |           | TDA8369          | 7051      |
| TDA7233     |           | TDA8373          |           |
| TDA7235     |           | TDA8374          |           |
| TDA7240A    |           | TDA8377          |           |
| TDA7250     |           | TDA8380          |           |
| TDA7256     |           | TDA8395P         |           |
| TDA7260     |           | TDA8424          |           |
| TDA7262     |           | TDA8444P         |           |
| TDA7263     |           | TDA8560Q         |           |
| TDA7263M    |           | TDA8561          |           |
| TDA7264     |           | TDA8562          |           |
| TDA7265     |           | TDA8563Q         |           |
| TDA7272     |           | TDA8567Q         |           |
| TDA7273     |           | TDA8568Q         |           |
| TDA7274     |           | TDA8808          |           |
| TDA7282     |           | TDA9102C         |           |
| TDA7284     |           | TDA9103          |           |
| TDA7286     |           | TDA9302H         |           |
| TDA7294     |           | TDA9800          |           |
| TDA7295     |           | TDA9820          |           |
| TDA7296     |           | TDA9830          |           |
| TDA7313D    |           | TDA9850          |           |
| TDA7314     |           | TDA9852          | 580       |
| TDA7317     |           | TDA9855          |           |
| TDA7318     |           | TDA9860          |           |
| TDA7350     | 7053      |                  |           |
| TDA7350A    |           | <b>TDE - TDF</b> |           |
| TDA7360     | 7106      | TDE1707          |           |
| TDA7365     |           | TDF1707          |           |
| TDA7370     |           |                  |           |
| TDA7372     |           | <b>TEA</b>       |           |
| TDA7374     |           |                  |           |
| TDA7375     |           |                  |           |
| TDA7384     |           | TEA1060          |           |
| TDA7385     |           | TEA1062          |           |
| TDA7386     |           | TEA1067          |           |
| TDA7394     |           | TEA2014          |           |
| TDA7396     |           | TEA2019          |           |
| TDA8132     |           | TEA2025B         |           |
| TDA8133     |           | TEA2029          |           |

| PART NUMBER      | ECG / NTE | PART NUMBER      | ECG / NTE |
|------------------|-----------|------------------|-----------|
| TEA2037A         | 1888      | <b>TL - TMM</b>  |           |
| TEA2260          |           | TL022            |           |
| TEA2261          |           | TL062            | 889M      |
| TEA2262          |           | TL064            |           |
| TEA3717          |           | TL072CD          | 858SM     |
| TEA3718SP        |           | TL074CN          | 859       |
| TEA5570          |           | TL080            |           |
| TEA5580          |           | TL081CP          | 857M      |
| TEA5591          |           | TL082CP          | 858M      |
| TEA8172          |           | TL084CN          | 859       |
|                  |           | TL431AC          | 999M      |
| <b>TEC - TIC</b> |           | TL489CP          | 1505      |
| TEC9015          | 159       | TL494CN          | 1729      |
| TH3J10           |           | TL594            |           |
| TH3L10           |           | TL621            |           |
| TI146            |           | TLC272           |           |
| TIC106D          | 5437      | TLP504A          | 3086      |
| TIC126D          | 5554      | TLP521           | 3098      |
| TIC126M          | 5556      | TLP531           | 3041      |
| TIC226D          | 5635      | TLP535           |           |
|                  |           | TLP541           | 3091      |
| <b>TIP</b>       |           | TLP551           | 3092      |
| TIP29C           | 291       | TLP621           | 3098      |
| TIP-30C          | 292       | TM2620           |           |
| TIP31A           | 291       | TMM842           |           |
| TIP31C           | 291       |                  |           |
| TIP32C           | 292       | <b>TMP</b>       |           |
| TIP33C           | 390       | TMP47C236ANR702  |           |
| TIP34            | 391       | TMP47C236ANR707  |           |
| TIP35C           | 392       | TMP47C41N8412    |           |
| TIP36C           | 393       | TMP47C430NU-807  |           |
| TIP41C           | 331       | TMP47C432AN8091  |           |
| TIP42C           | 332       | TMP47C432AN8094  |           |
| TIP47            | 198       | TMP47C432AN8098  |           |
| TIP48            | 198       | TMP47C432AN8382  |           |
| TIP50            | 198       | TMP47C432AN8496  |           |
| TIP100           | 2343      | TMP47C434ANR231  |           |
| TIP102           | 2343      | TMP47C434N3117   |           |
| TIP105           | 2344      | TMP47C434N3401   |           |
| TIP107           | 2344      | TMP47C434N-3401  |           |
| TIP110           | 261       | TMP47C434N3514   |           |
| TIP120           | 261       | TMP47C434N3562   |           |
| TIP121           | 261       | TMP47C434N3568   |           |
| TIP122           | 261       | TMP47C634C2666   |           |
| TIP125           | 262       | TMP47C634N2651   |           |
| TIP126           | 262       | TMP47C634N2666   |           |
| TIP127           | 262       | TMP47C634N2678   |           |
| TIP131           | 261       | TMP47C634NR301   |           |
| TIP135           | 262       | TMP47C634N-R311  |           |
| TIP140           | 270       | TMP47C634NR314   |           |
| TIP141           | 270       | TMP47C634NR337   |           |
| TIP142           | 270       | TMP47C634NR351   |           |
| TIP142T          | 2343      | TMP87CH33N3014   |           |
| TIP145           | 271       | TMP87CK34BN-3326 |           |
| TIP146T          | 2343      | TMP4315          |           |
| TIP147           | 271       | TMP4320          |           |
| TIP2955          | 393       | TMP4323          |           |
| TIP3055          | 392       | TMP4323AP        |           |



| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| <b>TC</b>        |           |
| TC4001BP         | 4001B     |
| TC4011BP         | 4011B     |
| TC4017BP         | 4017B     |
| TC4052BP         | 4052B     |
| TC4066           | 4066B     |
| TC4066BP         | 4066B     |
| TC4538BP         | 4538B     |
| TC5022           |           |
| TC9002           |           |
| TC9020           |           |
| TC9123           |           |
| TC9124           |           |
| TC9130           |           |
| TC9132P          |           |
| TC9135           |           |
| TC9137BP         |           |
| TC9145           |           |
| TC9147BP         |           |
| TC9148           |           |
| TC9149P          |           |
| TC9150P          |           |
| TC9151P          |           |
| TC9152           |           |
| TC9153AP         |           |
| TC9153BP         |           |
| TC9154P          |           |
| TC9155AP         |           |
| TC9162N          |           |
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| TC9164AN         |           |
| TC9165P          |           |
| TC9172AP         |           |
| TC9173P          |           |
| TC9174P          |           |
| TC9176P          |           |
| TC9177P          |           |
| TC9184           |           |
| TC9185           |           |
| TC9210P          |           |
| TC9213           |           |
| TC9214           |           |
| TC9216           |           |
| TC9227           |           |
| TC9236           |           |
| TC9300           |           |
| TC9301AN         |           |
| TC9304           |           |
| TC9307AF         |           |
| TC9309           |           |
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| TCA830           | 1115A     |
| TCA940           |           |
| TCA965           |           |
| TCA037ZDP        | 1854M     |
| TCA3089          | 788       |
| TCM5087          |           |
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| TD3654           |           |
| TD6102           |           |
| TD6104P          |           |
| TD6210           |           |
| TD6306           | 1746      |
| TD6308AP         |           |
| TD6350P          | 1677      |
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| PART NUMBER | ECG / NTE |
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| TD6382      |           |
| TD6382N     |           |
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| TD6382Z     |           |
| TD6383Z     |           |
| TD6710      |           |
| TD62003AP   | 2013      |
| TD62004AP   | 2014      |
| TD62064     |           |
| TD62083AP   | 2018      |
| TD62104P    | 2079      |
| TD62107P    |           |
| TD62308AP   |           |
| TD62308BP   | 2033      |
| TD62502     |           |
| TD62503     |           |
| TD62504     |           |
| TD62506P    |           |
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| TDA1514A    | 7118      |
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| TDA2002V    | 1232      |
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| TDA2003V    | 1288      |
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| TDA2005M    | 1396      |
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| TDA2009     | 7105      |
| TDA2020     | 1287      |
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| TDA2040     | 1376      |
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| TDA2546A    | 1752      |
| TDA2577A    | 1632      |
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| TDA2579A    |           |
| TDA2581Q    |           |
| TDA2582     |           |
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| TDA2611     | 1566      |
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| PART NUMBER | ECG / NTE |
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| TDA3570     | 1416      |
| TDA3603P    |           |
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| TDA3651A    | 1567      |
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| TDA3653C    | 1567      |
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| TDA3654Q    | 1754      |
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| TDA4505K    |           |
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| TDA4601     | 7002      |
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| TDA4660     |           |
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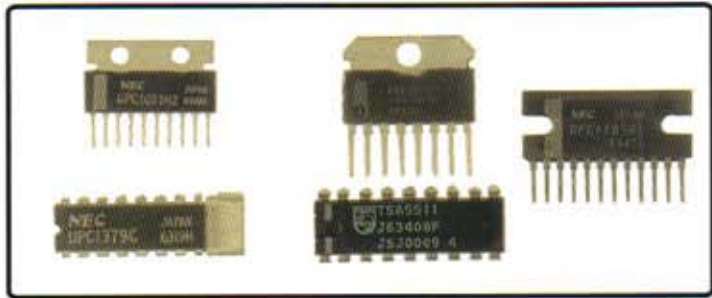


# ECG / NTE CROSS REFERENCE

ECG / NTE Cross Reference

| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| 10        | 2SC2499     | 26        | 2SC2362     | 37        | 2SB686      | 58        | 2SC2922     | 85        | 2SC829      |
|           | 2SC2570     |           | 2SC2459     |           | 2SB688      |           | 2SC3857     |           | 2SC9013     |
| 11        | 2SC3266     |           | 2SC2784     |           | 2SB754      |           | 2SC3858     |           | 2SC9014     |
|           | 2SC3279     | 29        | 2N5686      |           | 2SB775      | 59        | 2SA1169     |           | 2SC945      |
|           | 2SC4115     |           | 2N5886      |           | 2SB776      |           | 2SA1170     |           | 2SD227      |
|           | 2SD1244     | 31        | 2SC2383     |           | 2SB816      |           | 2SA1216     |           | 2SD467      |
|           | 2SD1246     |           | 2SC2705     |           | 2SB817      |           | 2SA1493     |           | 2SD734      |
|           | 2SD1302     |           | 2SC2909     |           | 2SB863      |           | 2SA1494     |           | 2SD786      |
|           | 2SD1468     |           | 2SC3228     |           | 2SB965      | 60        | MJ15001     | 86        | 2SC1629     |
|           | 2SD1513     |           | 2SA1013     |           | 2SB966      |           | MJ15003     |           | 2SC1768     |
|           | 2SD655      | 32        | 2SA1123     | 38        | 2N6420      |           | MJ15002     |           | 2SC1829     |
|           | 2SD787      |           | 2SA1124     | 39        | 2SA939      |           | MJ15004     |           | 2SD776      |
|           | 2SD788      |           | 2SA1145     |           | MJE350      | 62        | 2SD621      | 87        | 2N3442      |
|           | 2SD879      |           | 2SA1207     | 41        | 2SA979      |           | 2SD838      |           | 2SC1030     |
|           | 2SD965      |           | 2SB984      | 42        | 2SC1583     |           | BUY71A      |           | 2SC1619     |
| 12        | 2SA1296     | 33        | 2SC2564     | 43        | 2SA798      | 64        | 2SC2353     |           | 2SC2260     |
|           | 2SA1300     |           | 2SC2565     | 44        | 2SC2291     |           | 2SC2369     |           | 2SC521      |
|           | 2SA1431     |           | 2SC2838     | 45        | 2SA995      | 65        | BFR90       |           | 2SD180      |
|           | 2SB1050     |           | 2SC2921     | 46        | 2SC2062     | 66        | 2SK295      |           | 2SD201      |
|           | 2SB738      |           | 2SD845      |           | 2SD892      |           | BUZ71       |           | 2SD388      |
|           | 2SB739      | 34        | 2SA1094     |           | MPSA13      |           | IRF530N     |           | 2SD555      |
|           | 2SB893      |           | 2SA1095     | 47        | 2N5088      |           | IRF531      |           | 2SD73       |
|           | 2SB926      |           | 2SA1215     |           | 2N5089      |           | IRF532      |           | 2SD732      |
|           | 2SB976      |           | 2SB755      | 48        | BC517       | 67        | 2SK319      | 88        | 2SD748      |
| 13        | 2SD1330     | 35        | 2SC1034     |           | MPSA12      |           | IRF610      |           | 2SA756      |
| 14        | 2SA825      | 36        | 2SC2485     | 49        | 2SC2194     | 68        | 2SA1116     |           | 2SA807      |
| 15        | 2SC2206     |           | 2SC2577     | 50        | S1375       |           | 2SA1117     |           | 2SB541      |
|           | 2SC2377     |           | 2SC2578     | 51        | 2N6554      |           | 2SA909      |           | 2SB600      |
|           | 2SC2636     |           | 2SC2579     |           | 2SC2233     |           | MJ15012     |           | 2SB653      |
| 16        | 2SC2021     |           | 2SC2580     |           | 2SC2501     |           | MJ15016     |           | 2SB654      |
|           | 2SC2063     |           | 2SC2581     |           | 2SC2552     |           | MJ15023     | 89        | 2SD1171     |
|           | 2SC4038     |           | 2SC2681     |           | 2SC2929     |           | MJ15025     |           | 2SD1173     |
|           | 2SD636      |           | 2SC2706     |           | 2SC3038     | 69        | 2SC2348     |           | 2SD1175     |
| 17        | 2SA1561     |           | 2SC2837     |           | 2SC3231     |           | 2SC2352     |           | 2SD869      |
|           | 2SA937      |           | 2SC3012     |           | 2SD1136     | 80        | 2SC1810     |           | 2SD870      |
| 18        | 2SC1652     |           | 2SC3180N    |           | 2SC3231     | 83        | 2SC1963     |           | 2SD871      |
|           | 2SD1226     |           | 2SC3181N    |           | 2SD772      | 85        | 2SC1209     |           | 2SD897      |
|           | 2SD1859     |           | 2SC3182N    |           | MJE13004    |           | 2SC1359     |           | 2SD898      |
|           | 2SD638      |           | 2SC3854     |           | MJE13005    |           | 2SC1360     |           | 2SD900      |
|           | 2SD639      |           | 2SC3855     | 52        | 2SC2243     |           | 2SC1364     |           | 2SD950      |
| 19        | 2SA874      |           | 2SC4467     | 53        | 2N6547      |           | 2SC1675     |           | 2SD951      |
|           | 2SB1238     |           | 2SD1046     |           | 2SC2245     |           | 2SC1685     |           | 2SD957      |
|           | 2SB641      |           | 2SD1047     |           | 2SC2816     |           | 2SC1740     | 90        | 2SC1400     |
|           | 2SB642      |           | 2SD1148     |           | 2SC2914     |           | 2SC1741     |           | 2SC1708     |
|           | 2SB643      |           | 2SD1187     | 54        | 2SC2334     |           | 2SC1815     |           | 2SC1775     |
|           | 2SB644      |           | 2SD1286     |           | 2SC2516     |           | 2SC1959     |           | 2SC1841     |
| 20        | 2SC2673     |           | 2SD1289     |           | 2SC4159     |           | 2SC2001     |           | 2SC1845     |
|           | 2SC4040     |           | 2SD1485     |           | 2SD1235     |           | 2SC2002     |           | 2SC1890     |
|           | 2SD1225     |           | 2SD2053     |           | 2SD1236     |           | 2SC2058     |           | 2SC1914     |
|           | 2SD1469     |           | 2SD716      |           | 2SD1237     |           | 2SC2210     |           | 2SC2369     |
|           | 2SD1858     |           | 2SD718      |           | 2SD362      |           | 2SC2310     |           | 2SD756      |
|           | 2SD973      |           | 2SD844      |           | 2SD525      |           | 2SC2320     |           | 2SD958      |
| 21        | 2SA1560     |           | 2SD895      |           | 2SD553      |           | 2SC2458     | 91        | 2SA1038     |
|           | 2SB1237     |           | MN8303      |           | 2SD856      |           | 2SC2878     |           | 2SA1049     |
|           | 2SB1240     | 37        | 2SA1062     |           | 2SD857      |           | 2SC3000     |           | 2SA872      |
|           | 2SB1277     |           | 2SA1102     |           | 2SD866      |           | 2SC3198     |           | 2SA893      |
|           | 2SB793      |           | 2SA1103     |           | 2SD959      |           | 2SC3199     |           | 2SA921      |
|           | 2SB819      |           | 2SA1104     | 55        | 2SB553      |           | 2SC3202     |           | 2SA988      |
|           | 2SB909      |           | 2SA1105     |           | 2SB595      |           | 2SC372      |           | 2SA992      |
|           | 2SB911      |           | 2SA1106     |           | 2SB761      |           | 2SC380      |           | 2SB716      |
| 22        | 2SC3666     |           | 2SA1146     |           | 2SB856      |           | 2SC394      |           | 2SB788      |
|           | 2SD1293     |           | 2SA1185     |           | 2SB857      |           | 2SC454      | 92        | 2SD735      |
| 23        | 2SC2026     |           | 2SA1186     |           | 2SB858      |           | 2SC458      |           | 2SD738      |
|           | 2SC2498     |           | 2SA1232     |           | 2SB869      |           | 2SC459      |           | 2SD745      |
|           | 2SC3136     |           | 2SA1263N    |           | 2SB942      |           | 2SC460      |           | 2SD824      |
| 24        | 2SD1312     |           | 2SA1264N    |           | 2SB945      |           | 2SC461      | 93        | 2SB705      |
|           | 2SD2005     |           | 2SA1265N    |           | 2SC1983     | 56        | 2SC536      |           | 2SB749      |
|           | 2SD2006     |           | 2SA1490     |           | 2SD1052     |           | 2SC634      | 94        | 2SC1050     |
|           | 2SD2008     |           | 2SA1491     |           | 2SC1664     | 57        | 2SC710      |           | 2SC1106     |
| 25        | 2SA1020     |           | 2SA1694     |           | 2SC2773     | 58        | 2SC711      |           | 2SC1114     |
|           | 2SA1160     |           | 2SA1695     |           | 2SC2774     |           | 2SC828      |           | 2SC1195     |

Cruze De Referencias ECG / NTE



| PART NUMBER     | ECG / NTE |
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| <b>TMS - TV</b> |           |
| TMS1943         | 2061      |
| TMS3450NL       | 2062      |
| TMS3451NL       |           |
| TMS3452         |           |
| TMS3459         |           |
| TSA5511         |           |
| TSA5512         |           |
| TSA5515T        |           |
| TV18            | 108       |
| <b>U - UPB</b>  |           |
| UA709A          | 909D      |
| UA741           | 941M      |
| UA758           | 743       |
| UA787           | 797       |
| UA788           |           |
| UA3086          |           |
| UA7805          | 960       |
| UA7812          | 966       |
| UA7815          | 968       |
| UAA180          |           |
| UC3525A         | 1721      |
| UC3842P         | 7096      |
| UC3843          | 7097      |
| UC3844          | 7098      |
| UC3845          | 7099      |
| UC3846          |           |
| UDN2981         |           |
| ULN2001D1       | 2011      |
| ULN2003         | 2013      |
| ULN2004         | 2014      |
| ULN2068         | 2087      |
| ULN2068B        | 2087      |
| ULN2070B        | 2088      |
| ULN2204         |           |
| ULN2210A        | 801       |
| ULN2212A        | 807       |
| ULN2224         | 739       |
| ULN2801A        | 2016      |
| ULN2803A        | 2018      |
| ULN2804A        | 2019      |
| UN2211          | 2414      |
| UN4111          | 2356      |
| UN4211          | 2355      |
| UN4212          | 2357      |
| UN4215          |           |
| UPA54H          |           |
| UPA2003         | 2013      |
| UPB562          |           |
| <b>UPC</b>      |           |
| UPC20           | 1075A     |
| UPC41C          | 1093      |
| UPC78L05        | 977       |
| UPC324C         | 987       |
| UPC339C         | 834       |
| UPC358C         | 928M      |
| UPC393C         | 743M      |
| UPC393HA        |           |
| UPC494C         | 1729      |
| UPC554C         | 1142      |
| UPC558C         | 1051      |
| UPC566H         | 1052      |
| UPC574          | 615A      |
| UPC575CZ        | 1140      |
| UPC576H         | 1185      |
| UPC577H         | 1082      |

| PART NUMBER | ECG / NTE |
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| UPC580C     | 1196      |
| UPC587CZ    | 1226      |
| UPC592HZ    | 1195      |
| UPC595C     | 1186      |
| UPC596C     | 1187      |
| UPC1018     | 1563      |
| UPC1020     | 1160      |
| UPC1025H    | 1081A     |
| UPC1026C    | 1226      |
| UPC1028HA   | 1234      |
| UPC1031HZ   | 1245      |
| UPC1032H    | 1170      |
| UPC1093G    | 999SM     |
| UPC1156     | 1194      |
| UPC1158HA2  | 1497      |
| UPC1161     | 1489      |
| UPC1167C2   | 1488      |
| UPC1171     | 1491      |
| UPC1173     | 1460      |
| UPC1177     |           |
| UPC1181     | 1285      |
| UPC1182H    | 1286      |
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| UPC1185HZ   | 1293      |
| UPC1186     | 1458      |
| UPC1187     | 1493      |
| UPC1188H    | 1724      |
| UPC1191     | 1495      |
| UPC1197C    | 1248      |
| UPC1210     |           |
| UPC1212C    | 1516      |
| UPC1213     | 1516      |
| UPC1216     | 1518      |
| UPC1218HA   |           |
| UPC1222C    |           |
| UPC1225H    | 7122      |
| UPC1228     |           |
| UPC1230H2   | 1389      |
| UPC1237HA   | 7100      |
| UPC1238     | 1378      |
| UPC1241H    | 7101      |
| UPC1242H    |           |
| UPC1245     |           |
| UPC1252HZ   | 1794      |
| UPC1253HZ   | 1795      |
| UPC1263C2   | 7055      |
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| UPC1298V    | 7103      |
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| UPC1310V    |           |
| UPC1313     |           |
| UPC1316C    | 7055      |
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| UPC1330HA   |           |
| UPC1335     | 7102      |
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| UPC1350C    | 1530      |
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| UPC1353C    | 1246      |
| UPC1355C    | 749       |
| UPC1356C2   | 1483      |
| UPC1360C    | 1520      |
| UPC1361C    |           |
| UPC1362C    |           |
| UPC1363CA   | 1409      |
| UPC1364CZ   |           |
| UPC1385     |           |

| PART NUMBER | ECG / NTE |
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| UPC1366     | 1522      |
| UPC1371     |           |
| UPC1372C    | 1416      |
| UPC1373HA   | 1714S     |
| UPC1377C    | 1664      |
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| UPC1380C    | 1191      |
| UPC1382     | 1616      |
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| UPC1391H    | 1668      |
| UPC1394C    | 1678      |
| UPC1397C    |           |
| UPC1401CA   | 1793      |
| UPC1402CA   | 1793      |
| UPC1406HA   | 1792      |
| UPC1414CA   |           |
| UPC1420     |           |
| UPC1458C    | 778A      |
| UPC1470H    | 1844      |
| UPC1474HA   | 1791      |
| UPC1475     |           |
| UPC1481CA   | 1801      |
| UPC1486C    | 7019      |
| UPC1488H    | 7056      |
| UPC1490HA   | 7013      |
| UPC1496H    | 1767      |
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| UPC1520CA   | 7020      |
| UPC1524     |           |
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| UPC1701     |           |
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| UPC1852BCT  |           |
| UPC1853CT   |           |
| UPC1870     |           |
| UPC1871     |           |
| UPC1873CT   |           |
| UPC1874CT   |           |
| UPC2002     | 1232      |
| UPC2110     |           |
| UPC2210     |           |
| UPC2317     |           |
| UPC2500AH   |           |
| UPC2501     |           |
| UPC2505H    |           |
| UPC2581V    |           |
| UPC4072     |           |
| UPC4082     |           |
| UPC4557C    | 778A      |
| UPC4558C    | 778A      |
| UPC4558G2   | 778SM     |
| UPC4559C    | 778A      |
| UPC4570C    | 891M      |
| UPC4570HA   |           |
| UPC4574     |           |
| UPC4741     |           |
| UPC5121     |           |

| PART NUMBER      | ECG / NTE |
|------------------|-----------|
| UPC7805          | 960       |
| UPC7812          | 966       |
| <b>UPD - VPS</b> |           |
| UPD546           |           |
| UPD547           |           |
| UPD552           |           |
| UPD554           |           |
| UPD650           |           |
| UPD1701          |           |
| UPD1703          |           |
| UPD1703-015      |           |
| UPD1705C         |           |
| UPD1708AG-025    |           |
| UPD1709          |           |
| UPD1709CT118     |           |
| UPD1713          |           |
| UPD1714          |           |
| UPD1715          |           |
| UPD1719          |           |
| UPD1913C         |           |
| UPD1937C         |           |
| UPD1943C         |           |
| UPD1986C         | 1758      |
| UPD1987C         | 1759      |
| UPD277C          |           |
| UPD2814C         | 1253      |
| UPD2819          |           |
| UPD6121G001      |           |
| UPD6124CA        |           |
| UPD6163          |           |
| UPD6250          |           |
| UPD6325C         |           |
| UPD6326C         |           |
| UPD6336C         |           |
| UPD75106CW-018   |           |
| UPD75208CW-096   |           |
| UPD75212         |           |
| UPD75217         |           |
| UPD75308         |           |
| UPD75512         |           |
| UTC2003          |           |
| VPS12            |           |
| <b>XR - XRA</b>  |           |
| XR2206           | 892       |
| XR2207           |           |
| XR2208           |           |
| XRA7306          |           |

# ECG / NTE CROSS REFERENCE

ECG / NTE CROSS REFERENCE

| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| 94        | 2SC1454     | 124       | 2SD24       | 153       | 2SB514      | 165       | BU208       | 196       | 2SC1444     |
|           | 2SC792      | 125       | 1N4007      |           | 2SB529      |           | BU208A      |           | 2SC1445     |
|           | 2SD198      | 126A      | 2SA114      |           | 2SB988      | 171       | 2SC1127     |           | 2SC1826     |
|           | 2SD632      |           | 2SA115      | 154       | 2SC1012     |           | 2SC2278     |           | 2SC1985     |
| 98        | MJ10001     |           | 2SA123      | 155       | AD161       |           | BF858A      |           | 2SD257      |
| 102A      | 2SB175      |           | 2SA124      | 157       | 2SC1501     |           | BF859A      |           | 2SD288      |
|           | 2SB176      |           | 2SA143      |           | 2SC2071     | 172A      | 2SC982      |           | 2SD476      |
|           | 2SB178      |           | 2SA144      |           | 2SC2371     | 175       | 2N3584      | 197       | 2SA765      |
|           | 2SB185      |           | 2SA203      |           | 2SC2611     |           | 2SC1025     |           | 2SA768      |
|           | 2SB186      | 127       | 2SB341      |           | 2SC2621     |           | 2SC1160     |           | 2SA770      |
|           | 2SB187      |           | 2SB468      |           | 2SC2653     |           | 2SC1161     | 198       | 2SC1505     |
|           | 2SB475      |           | 2N1711      |           | 2SC2688     |           | 2SC840      |           | 2SC1507     |
|           | 2SB77       | 128       | 2N2102      |           | 2SC3063     |           | 2SD130      |           | 2SC1520     |
| 103A      | 2SD128      |           | 2N2218      |           | BF458       |           | 2SD291      |           | 2SC1905     |
|           | 2SD352      |           | 2N2219      |           | BF459       |           | 2SD292      |           | 2SC2231O    |
|           | AC187       |           | 2N3053      | 158       | MJE340      | 176       | 2SB476      |           | 2SD859      |
| 104       | 2N176       |           | 2N3568      |           | 2SB324      |           | 2SB492      |           | TIP47       |
|           | 2SB143      |           | 2SC113      |           | 2SB405      | 180       | 2N5884      |           | TIP48       |
|           | AD149       |           | 2SC114      |           | 2SB415      |           | 2SA907      |           | TIP50       |
| 107       | 2SC1047     |           | 2SC124      | 159       | AC188       | 181       | MJ4502      | 199       | 2SC1000     |
|           | 2SC1342     |           | 2SC696      |           | 2N3906      |           | 2N3771      |           | 2SC1222     |
|           | 2SC1417     |           | 2SC984      |           | 2N4403      |           | 2N3772      |           | 2SC1327     |
|           | 2SC1674     |           | BC140       |           | 2SA1090     |           | 2N5302      |           | 2SC1335     |
|           | 2SC1730     | 128P      | 2SC1008     |           | 2SA1154     |           | 2N5885      |           | 2SC1344     |
|           | 2SC1906     | 129       | 2N2904      |           | 2SA1515     |           | 2SD113      |           | 2SC1345     |
|           | 2SC1907     |           | 2N2905      |           | 2SA509      |           | MJ802       |           | 2SC1570     |
|           | 2SC1923     |           | 2SA708      |           | 2SA561      | 184       | 2N4923      |           | 2SC1571     |
|           | 2SC2347     |           | 2SA922      |           | 2SA695      |           | 2SC1449     |           | 2SC1840     |
|           | 2SC2786     | 129P      | 2N2906      |           | 2SA993      |           | 2SD1380     |           | 2SC1842     |
|           | 2SC2926     |           | 2N2907A     |           | 2SB561      |           | 2SD1506     |           | 2SC1843     |
|           | 2SC2999     |           | 2N2907P     |           | 2SB596      |           | 2SD612      |           | 2SC1844     |
|           | 2SC3192     |           | 2SA1085     |           | 2SB698      |           | 2SD794      |           | 2SC2309     |
|           | 2SC381      | 130       | 2N3055      |           | 2SC9012     |           | BD226       |           | 2SC2634     |
|           | 2SC388      | 129       | 2SC1667     |           | 2SC9015     |           | BD228       |           | 2SC693      |
|           | 2SC535      |           | 2SC793      |           | BC212       |           | BD233       |           | 2SC732      |
|           | 2SC545      |           | 2SD341      |           | BC307A      |           | BD235       |           | 2SC900      |
|           | 2SC717      | 131       | 2SB473      |           | BC327       |           | BD433       | 217       | 2N5771      |
|           | 2SC930      |           | 2SB481      |           | BC328       |           | BD435       |           | 2SA1206     |
| 108       | 2N3563      |           | AD162       |           | BC557A      |           | MJE520      | 218       | 2SA614      |
|           | 2N5770      | 152       | 2N6288      |           | BC558       |           | MJE9400     |           | 2SB551      |
|           | TV18        |           | 2N6290      |           | BC559       | 185       | 2SB1217     | 219       | 2N3790      |
| 109       | SK3090      |           | 2SC1080     |           | MPS6534     |           | 2SB559      |           | 2SA744      |
| 116       | 1N4001      |           | 2SC1061     |           | MPS6562     |           | 2SB632      |           | MJ2955      |
|           | 1N4003      |           | 2SC1173     |           | MPSA56      |           | 2SB743      | 222       | 3SK39       |
|           | 1N4004      |           | 2SC1398     |           | S1350       |           | 2SB744      |           | SK3050      |
|           | DS135       |           | 2SC789      |           | TEC9015     |           | 2SB772      | 227       | 2N6719      |
|           | DSF10E      |           | 2SD1778     | 160       | 2SA341      |           | BD227       | 229       | 2SC1126     |
| 121       | 2SB337      |           | 2SD2023     | 161       | 2SC1070     |           | BD234       |           | 2SC1393     |
|           | 2SB407      |           | 2SD234      |           | 2SC761      |           | BD236       |           | 2SC1394     |
|           | 2SB449      |           | 2SD235      |           | 2SC787      |           | BD436       |           | 2SC1855     |
| 123A      | 2N2222A     |           | 2SD313      | 162       | 2SC1185     |           | MJE171      |           | 2SC1856     |
|           | 2N2368      |           | 2SD315      |           | 2SC935      |           | MJE371      |           | 2SC2057     |
|           | 2N2369      |           | 2SD317      |           | 2SD320      |           | MJE9450     |           | 2SC2512     |
|           | 2N3567      |           | 2SD318      |           | 2SD657      |           | 2SC1098     |           | 2SC2668     |
|           | 2SC468      |           | 2SD325      | 163A      | 2SC1027     | 186A      | 2SC1096     |           | 2SC382      |
|           | BSX20       |           | 2SD330      |           | 2SC901      |           | 2SC1226     |           | 2SC785      |
|           | LM1818      |           | 2SD389      | 164       | 2SC1004     | 187       | 2SA636      |           | BF198       |
| 123AP     | 2N3904      |           | 2SD390      |           | 2SC1171     | 187A      | 2SA634      |           | BF199       |
|           | 2N4401      |           | 2SD880      |           | 2SC642      |           | 2SA699      |           | BF255       |
|           | 2SC1774     |           | 2SD91       |           | 2SD199      |           | 2SA699      |           | BF494       |
|           | BC237       | 153       | 2SA1276     | 165       | 2SC1093     | 189       | MPSU51      |           | BF495       |
|           | BC238B      |           | 2SA473      |           | 2SC1358     | 190       | 2SC1124     | 232       | 2SA790      |
|           | BC337       |           | 2SA490      |           | 2SC1413     | 191       | MPSU10      | 234       | 2SA1016     |
|           | BC338       |           | 2SA670      |           | 2SD1168     | 192A      | 2N3417      |           | 2SA1017     |
|           | BC546       |           | 2SA748      |           | 2SD1341     |           | 2SD261      |           | 2SA1092     |
|           | BC547       |           | 2SB434      |           | 2SD350      | 193A      | 2SA643      |           | 2SA641      |
|           | BC548       |           | 2SB435      |           | 2SD380      | 194       | 2N5551      |           | 2SA726      |
|           | BC549       |           | 2SB507      |           | 2SD725      |           | 2SC1436     |           | 2SA836      |
| 124       | 2SC1059     |           | 2SB509      |           | 2SD820      |           | 2SC2363     |           | 2SA841      |
|           | 2SC1168     |           | 2SB511      |           | 2SD822      |           | 2SC780      |           | 2SA844      |
|           | 2SC515      |           | 2SB512      |           | BU105A      |           | 2SC989      |           |             |

Cruze De Referencias ECG / NTE

# ECG / NTE CROSS REFERENCE

ECG / NTE Cross Reference

| ECG / NTE | PART NUMBER   | ECG / NTE | PART NUMBER   | ECG / NTE | PART NUMBER   | ECG / NTE | PART NUMBER  | ECG / NTE | PART NUMBER  |
|-----------|---|-----------|---|-----------|---|-----------|--|-----------|--|
| 235       | 2SC1237<br>2SC1306<br>2SC1678<br>2SC1975<br>2SC2029<br>2SC2078  | 262       | 2SB872<br>TIP125<br>TIP126<br>TIP127<br>TIP135                              | 287       | 2SC1515<br>2SD662<br>MPSA05<br>MPSA06<br>MPSA42<br>MPSA43   | 291       | 2SD726<br>2SD743<br>S1236<br>TIP29C<br>TIP31A<br>TIP31C  | 331       | 2N6488<br>2SC1986<br>2SD1407<br>BD907<br>BD911<br>MJE3055T         |
| 236       | 2SC1969<br>2SC2166<br>2SD2312   | 263       | 2N6388<br>2SD1190<br>2SD1191<br>2SD1192<br>2SD1196                          | 288       | 2N5400<br>2N5401<br>2SA1018<br>2SA1091<br>2SA1321<br>2SA1524  | 292       | 2SA769<br>2SA814<br>2SA815<br>2SB527<br>2SB536<br>2SB537<br>2SB566<br>2SB682<br>2SB703<br>TIP-30C<br>TIP32C  | 332       | 2N6490<br>2N6491<br>2SA771<br>BD708<br>BD908<br>MJE2955T<br>TIP42C |
| 238       | 2SC1172B<br>2SC1308<br>2SC1325<br>2SC1894<br>MU12005  | 264       | 2SB880<br>2SB881<br>2SB882<br>BD648<br>BDX34<br>BDX34<br>BDX54              | 289A      | 2SD1044<br>TIP140<br>TIP141<br>TIP142<br>TIP145<br>TIP147<br>SG264A<br>SG613A   | 293       | 2SC1383<br>2SC1384<br>2SC2060<br>2SC3331<br>2SD468<br>2SD471<br>2SD545<br>2SD571<br>2SD592<br>2SD773   | 342       | 2SC1971  |
| 240       | MPSU60  | 270       | 2SD1044<br>TIP140<br>TIP141<br>TIP142                                       | 290A      | 2N3415<br>2N4424<br>2SC1213<br>2SC1317<br>2SC1318<br>2SC1362<br>2SC1627<br>2SC1684<br>2SC2120<br>2SC2274<br>2SC2308<br>2SC2603<br>2SC2710<br>2SC509<br>2SC734<br>2SC735<br>2SC815<br>2SC838<br>2SC941   | 346       | 2N4427   |           |  |
| 241       | 2SD526  | 271       | TIP145<br>TIP147  | 290A      | 2SA1015<br>2SA1023<br>2SA1115<br>2SA1266<br>2SA1270<br>2SA495<br>2SA539<br>2SA562<br>2SA608<br>2SA628<br>2SA642<br>2SA659<br>2SA673<br>2SA697<br>2SA720<br>2SA733<br>2SA817<br>2SA826<br>2SA854<br>2SA933<br>2SA950<br>2SA952<br>2SA954<br>2SA984<br>2SA999<br>2SB774           | 369       | 2SC1828<br>2SD786  |           |  |
| 242       | 2SA1262<br>2SB596   | 276       | SG264A<br>SG613A  | 290A      | 2SC941<br>2SA1015<br>2SA1023<br>2SA1115<br>2SA1266<br>2SA1270<br>2SA495<br>2SA539<br>2SA562<br>2SA608<br>2SA628<br>2SA642<br>2SA659<br>2SA673<br>2SA697<br>2SA720<br>2SA733<br>2SA817<br>2SA826<br>2SA854<br>2SA933<br>2SA950<br>2SA952<br>2SA954<br>2SA984<br>2SA999<br>2SB774 | 373       | 2SC1212<br>2SC2481<br>2SC2682<br>2SC2690<br>2SC3116<br>2SC3117<br>2SD1609<br>2SD414<br>2SD415<br>2SD439<br>2SD600<br>2SD668<br>2SD669<br>2SD809<br>BD135<br>BD137<br>BD139<br>BF457  |           |  |
| 244       | MJ900   | 277       | 2SC1316<br>2SC867   | 290A      | 2SC941<br>2SA1015<br>2SA1023<br>2SA1115<br>2SA1266<br>2SA1270<br>2SA495<br>2SA539<br>2SA562<br>2SA608<br>2SA628<br>2SA642<br>2SA659<br>2SA673<br>2SA697<br>2SA720<br>2SA733<br>2SA817<br>2SA826<br>2SA854<br>2SA933<br>2SA950<br>2SA952<br>2SA954<br>2SA984<br>2SA999<br>2SB774 | 374       | 2SC1971<br>2N4427<br>2SC1828<br>2SD786<br>2SC1212<br>2SC2481<br>2SC2682<br>2SC2690<br>2SC3116<br>2SC3117<br>2SD1609<br>2SD414<br>2SD415<br>2SD439<br>2SD600<br>2SD668<br>2SD669<br>2SD809<br>BD135<br>BD137<br>BD139<br>BF457<br>2SA1021<br>2SA1142<br>2SA1184<br>2SA1220<br>2SA1249<br>2SA496<br>2SA743<br>2SB1109<br>2SB548<br>2SB631<br>2SB649<br>2SB731<br>BD136<br>BD138<br>BD140 |           |  |
| 246       | 2N6649<br>MJ2501  | 280       | 2SC1051<br>2SC1080<br>2SC1115<br>2SC1402                                    | 290A      | 2SC941<br>2SA1015<br>2SA1023<br>2SA1115<br>2SA1266<br>2SA1270<br>2SA495<br>2SA539<br>2SA562<br>2SA608<br>2SA628<br>2SA642<br>2SA659<br>2SA673<br>2SA697<br>2SA720<br>2SA733<br>2SA817<br>2SA826<br>2SA854<br>2SA933<br>2SA950<br>2SA952<br>2SA954<br>2SA984<br>2SA999<br>2SB774 | 375       | 2SC1448<br>2SC1669<br>2SC1683<br>2SC1913<br>2SC2073<br>2SC2167<br>2SC2168<br>2SC2275<br>2SC2344<br>2SC2591<br>2SC2592<br>2SC2680<br>2SD1138<br>2SD386<br>2SD386A<br>2SD387<br>2SD401<br>2SD478   |           |  |
| 247       | 2N6057<br>2N6059<br>2SD629<br>BDX85   | 283       | 2SC1617<br>2SC681<br>2SC806<br>2SC940<br>2SD383<br>BUX83<br>BUY69<br>BUY69A | 290A      | 2SC941<br>2SA1015<br>2SA1023<br>2SA1115<br>2SA1266<br>2SA1270<br>2SA495<br>2SA539<br>2SA562<br>2SA608<br>2SA628<br>2SA642<br>2SA659<br>2SA673<br>2SA697<br>2SA720<br>2SA733<br>2SA817<br>2SA826<br>2SA854<br>2SA933<br>2SA950<br>2SA952<br>2SA954<br>2SA984<br>2SA999<br>2SB774 | 376       | 2SC1446<br>2SC1447   |           |  |
| 248       | 2SB639  | 285       | 2SA747<br>2SB539<br>2SB554<br>2SB655<br>2SB656<br>2SB681<br>2SB722          | 291       | 2SC1624<br>2SC1827<br>2SD1133<br>2SD1135<br>2SD357<br>2SD358<br>2SD381<br>2SD382  | 376       | 2SC1446<br>2SC1447   |           |  |
| 249       | 2N6576<br>2SD473<br>2SD524  | 286       | 2N3739  |           |   |           |  |           |  |
| 250       | 2N6285<br>MJ4030<br>MJ4032  |           |   |           |   |           |  |           |  |
| 251       | 2N6284  |           |   |           |   |           |  |           |  |
| 252       | 2N6287  |           |   |           |   |           |  |           |  |
| 253       | 2N6039<br>2SC2298<br>2SD946<br>BD675<br>BD677<br>BD679<br>BD681<br>MJE800<br>2SB1008  |           |   |           |   |           |  |           |  |
| 254       | 2SB794<br>2SB795<br>BD676<br>BD678<br>BD680   |           |   |           |   |           |  |           |  |
| 257       | MJE1100   |           |   |           |   |           |  |           |  |
| 261       | 2N6045<br>2SC1881<br>2SD1194<br>2SD1195<br>2SD633<br>2SD634<br>2SD635<br>2SD836<br>2SD837<br>TIP110<br>TIP120<br>TIP121<br>TIP122<br>TIP131 |           |   |           |   |           |  |           |  |
| 262       | 2N6040<br>2SB601<br>2SB673<br>2SB676<br>2SB751  |           |   |           |   |           |  |           |  |

Cruze De Referencias ECG / NTE

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ECG / NTE CROSS REFERENCE

| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| 376       | 2SC1514     | 383       | 2SB740      | 399       | 2SC2229     | 747       | MC1330P     | 862       | LM384N      |
|           | 2SC1569     |           | 2SB764      |           | 2SC2230     | 749       | AN238       | 879       | MC1377P     |
|           | 2SC1755     |           | BC638       |           | 2SC2271     |           | MC1352      | 889M      | TL062       |
|           | 2SC1756     |           | BC640       |           | 2SC2330     |           | SN76650N    | 891M      | UPC4570C    |
|           | 2SC1819     | 384       | 2N3054      |           | 2SC2375     |           | UPC1355C    | 892       | XR2206      |
|           | 2SC2068     |           | 2N3766      |           | 2SC2482     | 778A      | AN4558      | 894M      | NE5534      |
|           | 2SC2633     |           | 2SC1113     |           | 2SC2551     |           | AN6552      | 902       | CA3080      |
|           | 2SC3208     |           | 2SC1864     |           | 2SC2610     |           | AN6558      | 908       | CA3029      |
| 377       | 2SC2562     | 385       | 2SC1868     |           | 2SC2631     |           | BA15218N    | 909D      | UA709A      |
|           | 2SC3179     |           | 2SC1871     |           | 2SC2632     |           | BA4558N     | 911D      | LM711CN     |
|           | 2SC3258     |           | 2SC807      |           | 2SC3207     |           | HA17458     | 912       | CA3046      |
|           | 2SD1060     | 386       | 2N6251      |           | 2SC3334     |           | KIA4558P    |           | CA3086      |
|           | 2SD1061     |           | 2SC1441     |           | 2SC3467     |           | LA6458D     | 914       | CA3059      |
|           | 2SD1062     |           | 2SC1578     |           | 2SK2564     |           | LM1458      | 918M      | LM318N      |
|           | 2SD1444     |           | 2SC3091     |           | BF422       |           | MC1458      | 919D      | LM319D      |
|           | 2SD1505     |           | 2SD641      | 451       | 2SK161      |           | NE5532P     | 922       | LM311       |
|           | 2SD1990     |           | BUX41       |           | 2SK33       |           | NJM4558     | 923D      | LM723CN     |
|           | 2SD843      |           | BUX41       | 456       | 2SK45       |           | NJM4559     | 928M      | AN6562      |
|           | BD243       | 388       | 2SC1586     | 457       | 2N5457      |           | RC4558      |           | BA10358     |
|           | D44H11      |           | 2SD873      | 458       | 2SK117      |           | UPC1458C    |           | BA728       |
| 378       | 2SA1012     |           | MJ15015     |           | 2SK118      |           | UPC4557C    |           | HA17358     |
|           | 2SA671      |           | MJ15022     |           | 2SK43       |           | UPC4558C    |           | LA6358N     |
|           | 2SB1064     |           | MJ15024     |           | 2SK68       |           | UPC4559C    |           | LM2904N     |
|           | 2SB633      | 389       | 2SC1170     | 459       | 2SK105      | 778S      | M5218AL     |           | LM358P      |
|           | 2SB753      |           | 2SC1295     |           | 2SK107      |           | M5218L      |           | NE532N      |
|           | 2SB824      |           | 2SC1875     |           | 2SK192      | 778SM     | UPC4558G2   |           | UPC358C     |
|           | 2SB825      |           | 2SC1893     |           | 2SK30       | 788       | AN377       | 928S      | AN6561L     |
|           | 2SB826      |           | 2SC643      |           | 2SK301      |           | HA1137      |           | LA6358S     |
|           | BD244C      |           | 2SC937      | 477       | 2SC2630     |           | LA1230      | 935       | LM338K      |
|           | D45H11      |           | 2SD1142     | 486       | MRF515      |           | LM3089      | 937M      | LF355N      |
| 379       | 2SC1865     |           | 2SD200      | 490       | 2SK669      |           | TCA3089     |           | LF356N      |
|           | 2SC2333     |           | 2SD299      | 491       | 2N7000      | 797       | UA787       | 938M      | LM308N      |
|           | 2SC2335     |           | 2SD517      | 506       | BY133       | 801       | CA1310E     | 941       | LM741C      |
|           | 2SC2440     |           | 2SD819      | 515       | TA8162SN    |           | HA1156      | 941M      | UA741       |
|           | 2SC2502     |           | 2SD850      | 519       | 1N4148      |           | LM1310N     | 942       | LM381       |
|           | 2SC2542     |           | BU205       |           | 1S1588      |           | MC1310P     | 943M      | AN1393      |
|           | 2SC2553     |           | 2SC2665     |           | BA159       |           | TA7156P     |           | AN6914      |
|           | 2SC2610     | 390       | 2SD717      | 558       | R2KY        |           | ULN2210A    |           | HA17393     |
|           | 2SC2898     |           | TIP33C      | 570       | MUR410      | 807       | ULN2212A    |           | LA6393D     |
|           | 2SC3039     | 391       | 2SA1135     | 576       | FR304       | 812       | SN76007N    | 943SM     | LM393       |
|           | 2SC3173     |           | TIP34       | 580       | TDA9852     | 815       | LM1391N     | 948       | LM348       |
|           | 2SC3257     | 392       | TIP3055     | 585       | 1N5818      |           | MC1391P     | 950       | 78L12       |
|           | 2SC4106     |           | TIP35C      | 588       | FR303       | 823       | LM386       | 951       | 78L15       |
|           | 2SC4107     | 393       | TIP2955     | 598       | BYV29       |           | LM386N      | 955M      | KIA555P     |
|           | 2SC4274     |           | TIP38C      | 615A      | IX0037C     | 824       | LM387N      |           | LM555       |
|           | 2SD1163     | 395       | BF324       |           | L5630       |           | NE542       |           | MC1455P     |
|           | 2SD823      | 396       | 2N3019      |           | L5631       | 825       | LM390N      |           | NE555       |
|           | 2SD884      |           | 2N3439      |           | UPC574      | 828       | LM388N      |           | TA7555P     |
|           | BU406       |           | 2N3440      | 708       | MC1357P     | 832       | KA567       | 956       | LM317T      |
|           | BU407       |           | 2SC2267     | 712       | AN240P      |           | LM567C      | 957       | LM337T      |
|           | BU408       | 397       | 2N5415      |           | CA3065E     |           | NE567       | 958       | AN7818C     |
|           | MJE13009    |           | 2N5416      |           | GL3201      | 834       | AN6912      | 959       | AN7918      |
| 380       | 2SD588      |           | BF423       |           | HA1124      |           | BA10339     | 960       | AN7805CT    |
| 381       | 2SB618      | 398       | 2SA1011     |           | HA1125      |           | CA339       |           | LM7805      |
| 382       | 2SC2236     |           | 2SA1111     |           | KA2101      |           | HA17339     |           | UA7805      |
|           | 2SC2703     |           | 2SA740      |           | LA1363      |           | LA6339      |           | UPC7805     |
|           | 2SC3244     |           | 2SA816      |           | LA1365      |           | LM2901N     | 961       | AN7905      |
|           | 2SD1616     |           | 2SA913      |           | LA1383      |           | LM339N      | 962       | AN7806C     |
|           | 2SD400      |           | 2SA940      |           | LM3065      |           | UPC339C     | 963       | AN7906      |
|           | 2SD438      |           | 2SA958      |           | LSC1008     | 836       | MC1394P     | 964       | AN7808      |
|           | 2SD667      |           | 2SA985      |           | MC1358      | 844       | CA3217E     |           | LM7808      |
|           | 2SD763      |           | 2SB1085     |           | SN76686     | 846       | LM1889      |           | AN7908      |
|           | 2SD774      |           | 2SB546      | 723       | CA3075E     | 852       | LM1880      | 966       | AN7812C     |
|           | 2SD863      |           | 2SB568      | 730       | CA3068      | 853       | MC3357      |           | KIA7812     |
|           | BC639       |           | 2SB861      | 738       | CA1398E     | 857M      | LF351N      |           | L7812       |
| 383       | 2SA1283     | 399       | 2SC1473     |           | LA1368      |           | TL081CP     |           | LM7812      |
|           | 2SA1284     |           | 2SC1573     |           | ULN2224     | 858M      | LF353N      |           | MC7812      |
|           | 2SB580      |           | 2SC1921     |           | LM380N      |           | TL082CP     |           | UA7812      |
|           | 2SB647      |           | 2SC1940     |           | LM1800      | 858SM     | TL072CD     |           | UPC7812     |
|           | 2SB734      |           | 2SC1941     |           | UA758       | 859       | TL074CN     | 967       | AN7912      |
|           |             |           | 2SC2228     |           | 743M        |           | TL084CN     |           |             |
|           |             |           |             |           |             |           |             |           |             |

Cruze De Referencias ECG / NTE

# ECG / NTE CROSS REFERENCE

| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER          | ECG / NTE | PART NUMBER |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|----------------------|-----------|-------------|
| 968       | AN7815C     | 1093      | UPC41C      | 1226      | MC1309      | 1300      | CX085                | 1382      | LA4125      |
|           | UA7815      | 1094      | LA1373      |           | UPC1026C    | 1304      | CX172                |           | LA4126      |
| 969       | AN7915C     | 1100      | TA7061      |           | UPC587CZ    | 1306      | CX177                | 1383      | AN7145      |
| 970       | LM350K      | 1107      | TA7092P     | 1227      | LA1222      | 1308      | CX095E               | 1384      | LA4220      |
| 971       | AN7924      | 1115      | TBA810      | 1228      | LA4102      | 1312      | CX157                | 1386      | LA4230      |
| 972       | AN7824P     |           | TBA810S     | 1231      | CA1190GQ    | 1313      | CX158                |           | LA4250      |
|           | L7824       | 1115A     | TBA810P     |           | TDA1190Z    | 1315      | STK4151-II           | 1387      | TA7230P     |
| 973       | MC1496      |           | TBA810SH    | 1231A     | TDA3190     |           | STK4161-II           | 1388      | LA4422      |
| 975       | LM748CN     |           | TCA830      | 1232      | TDA2002     | 1316      | STK4171-II           | 1389      | UPC1230H2   |
| 976       | LM307N      | 1116      | TBA800      |           | TDA2002V    |           | STK4181-II           | 1390      | LA4460N     |
| 977       | 78L05       | 1117      | TBA820L     |           | UPC2002     |           | STK4191-II "18 PINS" | 1391      | LA4461N     |
|           | UPC78L05    | 1123      | AN236       | 1234      | AN5730      | 1317      | STK4171-V            | 1392      | HA1389      |
| 978       | LM556       | 1130      | TA7150P     |           | AN5732      |           | STK4171-VSA          | 1393      | HA1389R     |
|           | NE556       | 1135      | BA301       |           | UPC1028HA   |           | STK4181-V            | 1394      | KIA7227P    |
| 987       | AN6564      | 1140      | IX0054      | 1236      | TA7176AP    |           | STK4191-V            |           | TA7227P     |
|           | BA10324A    |           | UPC575CZ    |           | TA7671P     | 1318      | STK5322              | 1395      | AN7168      |
|           | HA17324     | 1142      | UPC554C     | 1237      | HA1151      | 1320      | STK0025              |           | AN7169      |
|           | KIA324P     | 1150      | LA4051      | 1238      | HA1325      |           | STK0029              |           | HA13108     |
|           | LA6324      | 1153      | TA7200      | 1239      | HA1342      | 1321      | STK0049              |           | HA1398      |
|           | LM224AD     |           | TA7204P     | 1240      | AN315       | 1322      | STK0080A             | 1396      | SP600       |
|           | LM2902N     | 1154      | TA7203      | 1241      | BA318       | 1324      | STK040               |           | TDA2004     |
|           | LM324       | 1155      | TA7205AP    | 1245      | CD1031      | 1325      | STK043               |           | TDA2005M    |
|           | LM324N      | 1160      | UPC1020     |           | LA1385      | 1326      | STK078               |           | TDA2005R    |
|           | M5224P      | 1161      | AN239       |           | UPC1031HZ   | 1327      | STK080               | 1397      | HA1374      |
|           | MB3614      | 1162      | AN241       | 1246      | KA2102A     |           | STK082               | 1398      | HA13102     |
|           | TA75902P    | 1164      | AN245       |           | UPC1353C    | 1328      | STK084               |           | HA1377      |
|           | UPC324C     | 1165      | BA511A      | 1248      | AN362L      | 1329      | STK441               |           | HA1377A     |
| 989       | NE565       | 1166      | BA521       |           | BA1320      | 1330      | STK457               | 1399      | HA1388      |
| 990       | LM1877N     | 1167      | PLL02       |           | HA12026     |           | STK459               |           | PA3005      |
| 992       | LM3900N     | 1168      | AN331       |           | KA2261      | 1331      | STK461               | 1400      | AN304P      |
| 995       | LM2907N     | 1169      | HA1339      |           | LA3361      |           | STK463               | 1401      | HA11401     |
|           | LM2917      | 1170      | KA2221      |           | UPC1197C    | 1333      | STK0040              | 1402      | AN5010      |
| 996       | LM3080N     |           | LA3160      | 1249      | AN612       | 1335      | STK0080-II           | 1403      | AN5440      |
| 997       | RC4136      |           | LA3161      | 1251      | KC582C      | 1336      | STK050               |           | HA11414     |
| 999       | LM431ACZ    |           | UPC1032H    | 1252      | STK014      | 1337      | STK088               | 1404      | AN5250      |
| 999M      | TL431AC     | 1171      | LM748CH     | 1253      | UPD2814C    | 1338      | STK3042              | 1406      | AN5510      |
| 999SM     | UPC1093G    | 1173      | AN247       | 1256      | M51513L     | 1339      | STK3082A             | 1407      | MB3705      |
| 1002      | LA1111      | 1178      | LA1369      | 1257      | KC583C      | 1342      | STK0105              | 1409      | UPC1363CA   |
| 1003      | LA1201      | 1179      | LA3201      | 1258      | KC581C      | 1343      | STK430               | 1409C     | LA7940      |
| 1004      | AN222       | 1180      | LA4100      | 1260      | HA1366      | 1344      | STK443               | 1410      | AN5310      |
|           | HA1125      |           | LA4101      |           | HA1366W     | 1345      | STK465               |           | AN5311      |
| 1006      | LA3301      | 1185      | UPC576H     | 1261      | HA1366WR    | 1346      | STK0060              | 1411      | CX555A      |
| 1023      | TA7092AP    | 1186      | HA1140      | 1263      | AN262       | 1347      | STK460               |           | M5185P      |
| 1024      | STK011      |           | UPC595C     | 1265      | AN303       | 1356      | STK2025              | 1412      | AN6300      |
| 1027      | STK015      | 1187      | UPC596C     | 1270      | AN640       |           | STK2029              | 1413      | KA2916      |
| 1028      | STK056      | 1189      | HA11112     | 1271      | MB3756      | 1358      | STK1050A             |           | TA7611AP    |
| 1030      | HA1308      | 1191      | UPC1380C    | 1273      | TA7214P     | 1360      | STK1060              |           | TDA2540     |
|           | HA1338      | 1192      | KIA7310P    | 1277      | DM98        | 1361      | M51516               | 1415      | AN5320      |
| 1032      | HA1311      |           | TA7310      | 1278      | TA7222AP    | 1362      | M51518               | 1416      | TDA3570     |
| 1035      | HA1314      | 1193      | LA4400      | 1281      | STK0050     | 1363      | AN7130               |           | UPC1352C    |
| 1037      | HA1322      | 1194      | UPC1156     | 1282      | STK0039     | 1364      | M51517               |           | UPC1372C    |
| 1041      | HA1202      | 1195      | UPC592HZ    | 1283      | HA1368      | 1365      | AN7131               | 1417      | AN5410      |
| 1043      | HA1319      | 1196      | HA11590     | 1284      | HA1368R     |           | AN7140               | 1418      | CX843A      |
| 1051      | UPC558C     |           | UPC580C     | 1285      | UPC1181     | 1366      | M51514AL             | 1421      | AN8811      |
| 1052      | UPC566H     | 1206      | TA7157P     | 1286      | UPC1182H    | 1367      | AN7146               | 1422      | AN6332      |
| 1054      | AN203       | 1210      | BA313       | 1287      | TDA2020     | 1368      | MB3722               | 1423      | MB3712      |
| 1055      | AN210       | 1211      | LA4420      | 1288      | TDA2003     | 1369      | AN7154               | 1424      | MB3713      |
| 1056      | AN211B      |           | LA4430      |           | TDA2003V    | 1370      | KIA7217AP            | 1425      | AN6341N     |
| 1057      | AN206B      | 1213      | HA1144      | 1289      | TDA1170     |           | TA7217AP             | 1427      | AN6342N     |
| 1058      | AN214Q      | 1214      | HA1197      |           | TDA1170S    | 1371      | AN7156               | 1428      | AN6340      |
| 1060      | AN217P      |           | LA1240      |           | TDA1175     | 1372      | TA7229P              |           | AN6344      |
| 1061      | AN220       | 1217      | LA3350      | 1290      | HA1199      | 1373      | AN7158               | 1430      | M5186       |
| 1069      | AN288       | 1218      | STK433      | 1291      | M51515      |           | AN7166               | 1433      | BA312       |
| 1072      | AN253P      |           | STK435      |           | SK3875      | 1374      | TDA2008              | 1435      | AN7310      |
| 1075A     | UPC20       |           | STK4362     | 1292      | TBA120S     | 1375      | BA532                |           | AN7311      |
| 1081A     | UPC1025H    | 1219      | STK437      | 1293      | UPC1185HZ   | 1376      | TDA2040              | 1436      | M51172P     |
| 1082      | UPC577H     |           | STK439      | 1294      | KA2201N     | 1377      | LA4440               | 1437      | AN5330      |
| 1085      | BA311       | 1223      | AN360       |           | TBA820M     | 1378      | TDA2006              | 1438      | M51144L     |
| 1087      | TA7120P     | 1226      | AN115       | 1295      | AN5435      |           | UPC1238              | 1440      | AN5111      |
| 1090      | STK025      |           | BA1310      | 1297      | M5193P      | 1380      | TDA2030              | 1441      | LA1231N     |
|           | STK032      |           | HA12003     | 1299      | AN5411      | 1381      | AN7115               | 1442      | AN610       |

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| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER |
|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| 1444      | AN313       | 1522      | KA2912      | 1594      | CX136A      | 1665      | CX848       | 1732      | STK561F     |
| 1445      | LA1460      |           | UPC1366     | 1596      | CX135       | 1666      | HA1457      |           | STK563A     |
|           | LA1461      | 1525      | KA2244      | 1598      | CX134       | 1667      | KA2206B     |           | STK563F     |
| 1448      | AN278       |           | TA7303P     | 1601      | CX131A      |           | LA4182      |           | STK583F     |
| 1453      | LA3115      | 1527      | HA11123     | 1604      | LA1140      |           | LA4183      | 1733      | STK5431ST   |
| 1458      | UPC1186     | 1529      | AN8551      | 1605      | CX100D      |           | LA4190      | 1734      | STK5441     |
| 1460      | UPC1173     |           | BA715       | 1606      | HA1392      |           | LA4192      | 1735      | STK5451     |
| 1461      | LA3370      |           | BA718       | 1607      | AN5720      | 1668      | UPC1391H    | 1736      | STK6981     |
| 1463      | AN7120      |           | LA6458S     | 1608      | LA1245      | 1669      | HA11238     |           | STK6982B    |
|           | LA4112      |           | NJM4558S    | 1610      | AN5722      | 1670      | LM1819      | 1738      | M58485      |
| 1465      | AN7112      |           | TA75558S    | 1611      | TA7673P     |           | IX0212CE    | 1740      | STR3015     |
|           | KA2212      |           | TA75559S    | 1612      | BA526       |           | TA7670P     |           | STR3115     |
|           | KIA6213S    | 1530      | UPC1350C    | 1613      | AN8677      | 1672      | NE5560      | 1741      | STR3125     |
|           | KIA7313AP   | 1532      | TA7608CP    | 1615      | AN5700      | 1673      | LA7601      | 1742      | STR3130     |
|           | LA4140      | 1533      | LA1130      | 1616      | IX0213      | 1674      | AN5512      | 1743      | STR3035     |
|           | LA4142      | 1538      | LA7800      |           | UPC1382     |           | KA2131      |           | STR3135     |
|           | TA7313P     | 1539      | LA7802      | 1618      | AN5712      | 1675      | LA4505      | 1746      | TD6306      |
| 1466      | KA2220      | 1540      | LA7806      |           | BA536       | 1676      | IX0238CE    | 1747      | AN5318A     |
|           | KIA7137P    | 1541      | LA1150      |           | BA5406      |           | UPC1378H    | 1748      | STK6962     |
|           | LA3210      | 1542      | LA7507      |           | BA5408      | 1677      | TD6350P     | 1749      | L293D       |
|           | TA7137P     | 1544      | HA11244     | 1620      | AN5710      | 1678      | UPC1394C    | 1751      | IX0137      |
| 1467      | M51182      | 1545      | KA2911      | 1622      | AN6321      | 1679      | BA6304      |           | T2508       |
| 1468      | TA7086P     |           | M51358P     | 1624      | HA12402     | 1681      | L296        | 1752      | TDA2546A    |
|           | TA7140P     |           | TA7807AP    |           | T900BI      | 1682      | AN5020      | 1754      | TDA3654     |
| 1469      | HA11215     | 1546      | STR381      |           | TA7613P     | 1683      | AN5416      |           | TDA3654Q    |
| 1471      | GL3401      | 1547      | KA2153      |           | TDA1083     | 1684      | AN5515      | 1755      | SL490       |
|           | HA11423     |           | TA7644P     | 1626      | UPC1277H    | 1685      | LA4260      | 1758      | UPD1986C    |
| 1472      | LA4110      | 1548      | STR380      | 1627      | BA546       |           | LA4261      | 1759      | UPD1987C    |
| 1473      | HA11412     | 1550      | EN11235     | 1628      | M54543      | 1686      | HA11749     | 1760      | SAF1039P    |
| 1474      | TA7302P     |           | HA11235     | 1629      | AN5752      | 1688      | AN5070      | 1761      | TDA3047     |
| 1476      | TA7207P     | 1551      | AN5132      |           | AN5753      | 1692      | KS5805B     | 1764      | TBA2800     |
|           | TA7208P     | 1553      | STR382      | 1630      | AN6387      |           | LR40993     | 1765      | MC34065     |
| 1477      | LA4170      |           | STR385      | 1631      | BA1350      | 1700      | AN6343      | 1766      | BA6219B     |
| 1479      | LA5112      | 1555      | SN76873     | 1632      | TDA2577A    | 1701      | AN6350      | 1767      | UPC1498H    |
| 1481      | LA4175      | 1556      | LB1331      | 1633      | TDA4190     | 1702      | AN6360      | 1771      | LA7621      |
| 1482      | HA11223     | 1557      | BA4220      | 1634      | KA2224      | 1703      | AN6361      | 1772      | LA7811      |
| 1483      | LA1357N     |           | HA12413     |           | LA3220      | 1704      | AN7110      | 1773      | LA7830      |
|           | UPC1356C2   |           | KA2243      | 1635      | HA12002     | 1706      | HA11747     |           | LA7833      |
| 1484      | HA1196      | 1558      | BA5102A     | 1637      | LA4185      | 1707      | LA4445      | 1774      | LB1649      |
| 1485      | AN5520      | 1559      | HA12412     | 1639      | MN3101      | 1708      | LA7920      | 1775      | TA7660P     |
| 1486      | HA11211     | 1560      | AN7410N     | 1641      | MN3007      | 1710      | AN6209      | 1776      | STR30123    |
| 1487      | AN259       | 1561      | AN6884      | 1644      | STR470      | 1713      | AN6328      | 1777      | STR30130    |
| 1488      | HA11225     |           | BA6124      | 1645      | STR440      | 1714S     | UPC1373HA   | 1778      | STR30134    |
|           | M51173P     |           | KA2284      | 1647      | LA7823      | 1715      | AN6873      |           | STR30135    |
|           | UPC1167C2   |           | LB1403      | 1648      | KA2410      | 1716      | BA6209      | 1780      | AN5836      |
| 1489      | UPC1161     | 1563      | AN7218      | 1649      | KA2411      |           | GL7445      | 1781      | LA7016      |
| 1490      | HA11251     |           | UPC1018     | 1650      | GL3301      |           | KA8301      | 1782      | AN5521      |
| 1491      | UPC1171     | 1565      | HA11227     |           | HA11436     |           | LB1645N     | 1783      | AN5262      |
| 1492      | HA11221     | 1566      | TDA2611     |           | HA11446     | 1717      | BA6122A     | 1784      | TDA1180P    |
| 1493      | UPC1187     | 1567      | TDA3651A    |           | HA11480     | 1719      | STR383      | 1785      | TDA2541     |
| 1495      | UPC1191     |           | TDA3651AC   | 1651      | KIA6268P    | 1720      | SG3524      | 1786      | SAB3037     |
| 1496      | KA2921      |           | TDA3651AQ   |           | TA7688BP    | 1721      | KA3525A     | 1787      | TA7361P     |
|           | TA7609P     |           | TDA3653B    | 1653      | M51355      |           | SG3525A     | 1788      | TDAS172     |
| 1497      | UPC1158HA2  |           | TDA3653C    | 1654      | TA7614AP    |           | UC3525A     | 1789      | AN5265      |
| 1498      | TA7318      | 1568      | AN6345      | 1656      | M51356P     | 1722      | SG3526      | 1790      | IX0600CE    |
| 1500      | AN6878      | 1570      | TA7681AP    | 1657      | AN7420      | 1724      | UPC1188H    |           | TA7777N     |
| 1502      | AN6876      | 1571      | KIA7658P    |           | KA2263      | 1725      | HA11440A    |           | TA7777P     |
| 1503      | AN6875      |           | TA7658P     |           | KIA6043S    | 1726      | AN5315      |           | TA8677N     |
| 1505      | TL489CP     | 1572      | IX0275      |           | KIA7343AP   | 1727      | AN5436N     | 1791      | UPC1474HA   |
| 1508      | LM3914N     |           | KA2914      |           | TA7343AP    |           | KA2134      | 1792      | UPC1406HA   |
| 1509      | LM3915N     |           | TA7680AP    | 1658      | IX0260C     | 1728      | GL3120      | 1793      | UPC1401CA   |
| 1512      | LB1416      | 1573      | TA7664P     |           | LA7910      |           | KA2919      |           | UPC1402CA   |
| 1513      | LB1409      | 1574      | SAA1124     | 1659      | BA328       |           | LA7520      | 1794      | UPC1252HZ   |
| 1514      | LB1415      | 1575      | HA11229     |           | M51521AL    | 1729      | KA7500B     | 1795      | UPC1253HZ   |
| 1515      | LB1405      | 1576      | KIA7630     |           | MB3106      |           | KIA494P     | 1796      | STR54041    |
| 1516      | UPC1212C    |           | TA7630P     | 1660      | HA1406      |           | MB3759      | 1797      | LA7831      |
|           | UPC1213     | 1580      | TBA120U     | 1661      | KA2133A     |           | TL494CN     | 1798      | LA4270      |
| 1517      | M51544AL    | 1587      | AN295       |           | UPC1379C    |           | UPC494C     | 1799      | LA7220      |
| 1518      | UPC1216     | 1588      | CX139A      | 1663      | AN5255      | 1730      | KIA7325P    | 1801      | UPC1481CA   |
| 1520      | UPC1360C    | 1589      | HA11431     |           | AN5256      |           | TA7325P     | 1802      | TDA1516BQ   |
|           |             | 1592      | CX137A      | 1664      | UPC1377C    |           |             | 1803      | TDA1524A    |

# ECG / NTE CROSS REFERENCE

| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER |
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| 1804      | TDA2653A    | 1865      | AN7062      | 2051      | ICL7106     | 2309      | 2SC3831     | 2329      | 2SB1163     |
| 1806      | AN3310      | 1867      | STR2012     | 2054      | CA3162E     | 2310      | BU426       | 2329      | 2SB1317     |
| 1808      | AN3320      | 1868      | STR2013     | 2057      | TDA1541A    |           | BUW11       | 2329      | 2SB1347     |
| 1809      | AN3821K     | 1869      | M5236L      | 2061      | TMS1943     |           | BUW11A      | 2329      | 2SB1429     |
| 1810      | AN5135NK    | 1870      | STK7308     | 2062      | LM8560      |           | BUW12       | 2330      | 2SD1092     |
| 1811      | AN6356      |           | STK7309     |           | TMS3450NL   |           | BUW12A      | 2330      | 2SD1641     |
| 1812      | AN6359      | 1871      | STK4182-II  | 2072      | M54534P     | 2311      | 2SC2751     | 2331      | 2SC4744     |
| 1813      | AN6366NK    |           | STK4192-II  | 2074      | M54531P     |           | BUV47       | 2331      | 2SD1554     |
| 1814      | MN6163AS    | 1872      | STK5482     | 2076      | LB1275      |           | BUV48A      | 2331      | 2SD1555     |
| 1815      | STK4024-II  | 1873      | TA7347P     | 2077      | M54527P     |           | BUX47       | 2331      | 2SD1556     |
| 1816      | STK4101-II  | 1874      | STK4111-II  | 2078      | M54521P     | 2312      | 2SC4242     | 2331      | 2SD1649     |
| 1817      | STK4131-II  |           | STK4121-II  | 2079      | IR2403      |           | 2SC4273     | 2331      | 2SD1650     |
| 1818      | STK4141-II  | 1875      | STK2230     |           | M54517P     |           | MJE13007    | 2331      | 2SD1651     |
|           | STK4142-II  | 1876      | STK5436     |           | M54519P     | 2313      | 2SC2023     | 2331      | 2SD1652     |
| 1819      | STK4152-II  | 1877      | STK4301     |           | TD62104P    |           | 2SC5333     | 2331      | 2SD1711     |
| 1820      | STK4833     |           | STK4311     | 2081      | LB1261      |           | BUX84       | 2331      | 2SD1846     |
|           | STK4843     | 1878      | STK3042-III | 2084      | M54516P     |           | BUX85       | 2331      | 2SD1876     |
| 1821      | STK5466     | 1879      | STK4273     | 2087      | ULN2068     | 2314      | 2SB827      | 2331      | 2SD1877     |
| 1822      | STK5471     | 1880      | STK5332     |           | ULN2068B    |           | 2SB828      | 2331      | 2SD1878     |
| 1823      | STK5481     | 1882      | STK4044-V   | 2088      | ULN2070B    |           | 2SB829      | 2331      | 2SD1879     |
| 1823      | STK5490     | 1883      | STK5372     | 2128      | HM6116      | 2315      | BU806       | 2331      | 2SD2089     |
| 1824      | STK6942     | 1884      | STK5479     | 2300      | 2SC5148     |           | BU807       | 2331      | 2SD2095     |
| 1825      | STK6972     | 1885      | STK6722     |           | BU508       | 2316      | BU921P      | 2331      | 2SD2125     |
| 1826      | TA7348BP    | 1886      | STR5100     |           | BU508A      | 2318      | 2SD1732     | 2331      | 2SD2331     |
| 1827      | LA7530N     | 1888      | TEA2037A    |           | BU508AF     |           | BU508D      | 2331      | 2SD2333     |
| 1830      | KIA6299H    | 1889      | AN7273      |           | BU908       | 2319      | 2N6675      | 2331      | 2SD5071     |
|           | TA7270P     | 1890      | TDA3564     | 2302      | 2SC3883     |           | BUX48       | 2331      | BU2506DF    |
|           | TA7299P     | 1891      | M54548      |           | 2SD1290     | 2321      | MPQ3904     | 2331      | BU2506DX    |
| 1831      | TA7271P     | 1892      | M54549L     |           | 2SD1396     | 2322      | MPQ2907     | 2332      | 2SC3293     |
| 1832      | TA7274P     | 1893      | HA13403     |           | 2SD1397     |           | MPQ3906     | 2333      | BUT11       |
|           | TA8201AK    | 1894      | STR50041    |           | 2SD1398     | 2324      | 2SC3642     | 2333      | BUT11A      |
| 1833      | HA12045     | 1895      | STR51041    |           | 2SD1399     |           | 2SC3643     | 2333      | BUT12A      |
| 1834      | BA6238A     | 1896      | STR30115    |           | 2SD1439     |           | 2SC3680     | 2334      | BUV46A      |
|           | TA7288P     | 1897      | STR30125    |           | 2SD1441     |           | 2SC3685     | 2334      | 2SD1395     |
| 1835      | AN5352N     | 1898      | KIA6280H    |           | 2SD1453     |           | 2SC3686     | 2334      | 2SD1783     |
| 1836      | LA7915      |           | KIA7280P    |           | 2SD1455     |           | 2SC3729     | 2334      | 2SD972      |
| 1837      | LA7913      |           | TA7280P     |           | 2SD1541     | 2325      | 2SC2831     | 2335      | 2SD1294     |
| 1838      | LA7626      | 1899      | KIA6281H    |           | 2SD1632     |           | 2SC2979     | 2336      | 2SC3987     |
| 1839      | STR30120    |           | TA7281P     |           | 2SD1709     |           | 2SC3086     | 2336      | 2SD1325     |
| 1840      | STR53041    | 1910      | AN7809CV    |           | 2SD1729     |           | 2SC3148     | 2336      | 2SD1326     |
| 1841      | STR53043    | 1911      | LM337K      |           | 2SD1910     |           | 2SC3149     | 2336      | 2SD1327     |
| 1842      | KIA6040P    | 1932      | AN7810C     |           | 2SD1911     |           | 2SC3150     | 2336      | 2SD1796     |
|           | KIA7640AP   | 1934X     | SI3052V     | 2303      | 2SD1390     |           | 2SC3183     | 2336      | 2SD1856     |
|           | TA7640AP    | 1938      | SI3152P     |           | BU505       |           | 2SC3184     | 2337      | 2SC3169     |
| 1843      | KIA6058AS   | 1942      | L200C       |           | MJE12007    |           | 2SC3259     | 2337      | 2SC3309     |
|           | KIA7358AP   | 2000      | HA11226     | 2304      | 2SD1063     |           | 2SC4820     | 2337      | 2SC3310     |
|           | TA7358AP    | 2003      | LM1011      |           | 2SD1064     | 2326      | 2SD1308     | 2337      | 2SC3795     |
| 1844      | UPC1470H    | 2004      | NE645B      |           | 2SD1065     |           | 2SD1309     | 2337      | 2SC3870     |
| 1845      | GL3320      |           | NE646       | 2307      | 2SD1060     |           | 2SD560      | 2337      | 2SC3973     |
|           | KA2155      | 2011      | ULN2001D1   |           | 2SD920      | 2327      | 2SC2752     | 2337      | 2SC4026     |
|           | LA7820      | 2013      | BA12003     |           | 2SD921      |           | 2SC3051     | 2337      | 2SC4054     |
| 1846      | M51307BSP   |           | LB1233      | 2308      | 2SC2307     |           | 2SC3335     | 2337      | 2SC4160     |
| 1847      | M51366SP    |           | M54523      |           | 2SC2555     |           | BUX86       | 2337      | 2SC4161     |
| 1849      | MN6049      |           | MC1413P     |           | 2SC2625     |           | BUX87       | 2337      | 2SC4418     |
| 1850      | TDA1521     |           | TD62003AP   |           | 2SC2749     | 2328      | 2SC3280     | 2337      | 2SC4440     |
| 1851      | TDA1515AQ   |           | ULN2003     |           | 2SC2769     |           | 2SC3281     | 2337      | 2SC4662     |
|           | TDA1515BQ   |           | UPA2003     |           | 2SC3040     |           | 2SC3856     | 2337      | 2SC4664     |
| 1852      | TDA1013     | 2014      | 2SC3042     |           | 2SC3042     |           | 2SC3907     | 2337      | BUT11AF     |
| 1854M     | L272M       |           | TD62004AP   |           | 2SC3171     |           | 2SC4387     | 2338      | 2SC3785     |
|           | TCA0372DP   |           | ULN2004     |           | 2SC3210     |           | 2SC4388     | 2339      | 2SC3446     |
| 1855      | LA7835      | 2016      | ULN2801A    |           | 2SC3277     |           | 2SD1717     | 2339      | 2SC3559     |
| 1856      | LA7625      | 2018      | TD62083AP   |           | 2SC3306     |           | 2SD1718     | 2339      | 2SC3743     |
| 1858      | TDA8174     |           | ULN2803A    |           | 2SC4468     |           | 2SD1975     | 2339      | 2SC3866     |
|           | TDA8174A    | 2019      | M54522P     |           | 2SD917      |           | 2SD2155     | 2339      | 2SC4304     |
| 1859      | CXA1011P    |           | ULN2804A    | 2309      | 2SC3083     | 2329      | 2SA1301     | 2339      | 2SC4517     |
| 1860      | CX20112     | 2022      | LB1291      |           | 2SC3152     |           | 2SA1302     | 2339      | 2SC4533     |
| 1861      | AN5136K     | 2023      | CA3082      |           | 2SC3153     |           | 2SA1492     | 2340      | 2SD1320     |
| 1862      | TDA1670A    | 2032      | CA3161E     |           | 2SC3260     |           | 2SA1516     | 2340      | 2SD1321     |
|           | TDA1675     | 2033      | TD62308BP   |           | 2SC3409     |           | 2SA1672     | 2342      | 2SA1193     |
| 1863      | LA7850K     | 2041      | MM5837      |           | 2SC3678     |           | 2SA1673     | 2343      | 2SD1769     |
|           | LA7855N     | 2050      | ICL7107     |           | 2SC3679     |           | 2SB1162     | 2343      | 2SD970      |



# ECG / NTE CROSS REFERENCE

**ECG / NTE Cross Reference**

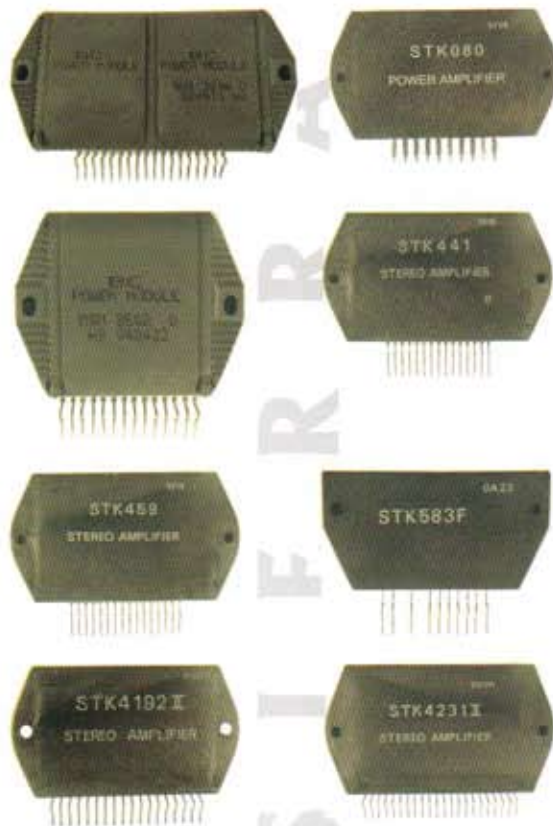
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| 2343      | BDW93       | 2361      | 2SC3312     | 2394      | IRFP450     | 2512      | 2SB1127     | 2582      | 2SC4024     |
|           | BDX53C      |           | 2SC3330     | 2395      | IRFZ40      | 2513      | 2SC3420     |           | 2SC4064     |
|           | TIP100      |           | 2SC3553     |           | IRFZ42      |           | 2SD1348     | 2582      | 2SC4382     |
|           | TIP102      |           | 2SD1423     |           | IRFZ44      |           | 2SD826      |           | 2SC4663     |
|           | TIP142T     |           | 2SD1450     |           | IRFZ44N     | 2514      | 2SA1357     |           | 2SC4833     |
|           | TIP146T     | 2362      | 2SA1048     |           | IRFZ46      |           | 2SB1166     |           | 2SC4834     |
| 2344      | 2SB727      |           | 2SA1175     |           | STVHD90     |           | 2SB986      | 2588      | 2SC4256     |
|           | 2SB791      |           | 2SA1267     | 2396      | BUZ21       | 2515      | 2SC3422     |           | 2SC4257     |
|           | TIP105      |           | 2SA1309     |           | IRF540      | 2516      | 2SB1168     | 2592      | 2SC4634     |
|           | TIP107      |           | 2SA1317     |           | IRF541      | 2517      | 2SD1682     |           | 2SC4636     |
| 2345      | BD331       | 2363      | 2SC2500     | 2397      | IRF740A     | 2518      | 2SB1143     | 2596      | 2SC3451     |
| 2346      | BD334       |           | 2SC2655     |           | IRF741      | 2519      | 2SC3902     | 2597      | 2SC4429     |
|           | BD336       |           | 2SD1207     | 2398      | 2SK320      | 2520      | 2SA1507     |           | 2SC4430     |
| 2347      | 2N2405      | 2364      | 2SB892      |           | 2SK553      | 2521      | 2SC3955     | 2598      | 2SC4706     |
|           | 2N5337      | 2365      | 2SC3995     |           | 2SK854      | 2523      | 2SA1242     | 2631      | SN75172     |
| 2348      | 2SC3089     |           | 2SC4268A    |           | BUZ42       | 2524      | 2SC3074     | 2633      | BFQ232      |
|           | 2SC3090     | 2366      | 2SA1370     |           | IRF830A     | 2525      | 2SA1244     | 2920      | IRFP054     |
|           | 2SC3212     |           | 2SA1371     |           | IRF831      |           | 2SB1202     | 2922      | IRFP350     |
|           | 2SC3449     | 2367      | DTC143      | 2403      | 2SA1245     |           | 2SB1203     | 2923      | IRFP440     |
|           | 2SC3450     |           | RN1201      | 2404      | 2SD1478     | 2526      | 2SD1815     | 2944      | 2SK1350     |
|           | 2SC3459     | 2368      | DTA143      | 2406      | 2SC3053     | 2527      | 2SA1241     | 2945      | IRF740F1    |
|           | 2SC3460     |           | RN2201      |           | 2SD1048     | 2528      | 2SD1220     | 2947      | 2SK1118     |
|           | 2SC3461     | 2371      | IRF9540     |           | 2SD596      | 2530      | 2SD1741     |           | SSP6N60F1   |
|           | 2SC3552     | 2372      | IRF9620     | 2407      | 2SA1036     | 2533      | 2SC3996     |           | SSS6N60A    |
|           | 2SC4581     | 2373      | IRF9640     |           | 2SA1179     |           | 2SC3997     |           | STP6N60F1   |
| 2349      | 2N6578      | 2374      | IRF640      |           | 2SA1226     |           | 2SC3998     |           | STP6NA60    |
|           | MJ11028     | 2375      | IRFP150     |           | 2SB815      | 2534      | 2SC5099     | 2980      | 2SK1112     |
| 2351      | 2SD1223     | 2376      | 2SK387      | 2408      | 2SC1623     | 2535      | 2SA1907     | 2986      | 2SK1542     |
|           | 2SD1749     |           | IRFP250     |           | 2SC2412     | 2538      | 2SC4424     | 2987      | 2SK1288     |
| 2352      | 2SB908      | 2377      | 2SK1358     |           | 2SC2712     | 2539      | 2SC3263     | 3040      | 4N25        |
| 2353      | 2SC3892     |           | 2SK1537     |           | 2SC2812     | 2540      | 2SD1409     |           | 4N26        |
|           | 2SC3893     |           | 2SK727      | 2409      | 2SD601      | 2541      | 2SD1193     |           | 4N28        |
|           | 2SC4531     |           | 2SK787      |           | 2SA1034     |           | 2SD1197     | 3041      | 4N35        |
|           | 2SC4762     |           | 2SK793      |           | 2SA1037     |           | 2SD1230     |           | 4N36        |
|           | 2SD1880     |           | 2SK794      |           | 2SA1162     |           | 2SD2083     |           | CNY17       |
|           | 2SD1881     |           | 2SK955      | 2410      | 2SA812      |           | 2SD2231     |           | PC713       |
|           | 2SD2251     |           | 2SK956      |           | 2SB709      | 2542      | 2SB1383     |           | PC714       |
|           | 2SD2348     | 2378      | 2SK415      | 2411      | 2SD814      |           | 2SB1476     |           | TLP531      |
|           | 2SD2349     |           | 2SK534      | 2413      | 2SA1255     |           | 2SB883      | 3043      | CNY17-2     |
|           | 2SD2539     |           | 2SK538      | 2414      | UN2211      | 2544      | 2SD1376     | 3047      | MOC3010     |
|           | BU2508DF    | 2379      | 2SK1117     | 2415      | 2SA1344     |           | 2SD986      |           | MOC3011     |
|           | BU2508DX    |           | 2SK1924     | 2428      | 2SD874      | 2545      | 2SC3144     | 3048      | MOC3020     |
|           | BU2520DF    |           | MTP6N60     | 2429      | 2SB956      | 2547      | 2SD1830     |           | MOC3021     |
|           | BUH515D     |           | SSP6N60A    | 2430      | 2SD968      | 2548      | 2SB1024     |           | MOC3022     |
|           | S2055AF     | 2380      | IRF822      | 2501      | 2SC2258     | 2550      | 2SD1349     | 3049      | MOC3030     |
| 2354      | 2SC3688     | 2382      | IRF510      |           | 2SC3229     |           | 2SD1795     | 3084      | 4N30        |
|           | BU2508A     |           | IRF513      |           | 2SC3271     | 2551      | 2SD1227     | 3086      | TLP504A     |
|           | BU2508AX    | 2383      | IRF9530     |           | 2SC3416     |           | 2SD1825     | 3087      | 6N137       |
| 2355      | 2SC3402     | 2385      | 2SK555      |           | 2SC3417     | 2552      | 2SB1223     | 3091      | TLP541      |
|           | DTC114      |           | IRF840      |           | 2SC3502     | 2553      | 2SD1789     | 3092      | TLP551      |
|           | RN1202      |           | IRF841      |           | 2SC3503     | 2559      | 2SD2437     | 3098      | PC816       |
|           | UN4211      |           | MTP8N50     |           | 2SC3619     |           | 2SD2438     |           | PC817       |
| 2356      | 2SA1348     | 2387      | 2SK904      |           | 2SC3620     |           | 2SD2439     |           | TLP521      |
|           | DTA114      |           | BUK456-800B |           | 2SC3788     | 2560      | 2SB1586     |           | TLP621      |
|           | N4111       |           | BUZ80       |           | 2SC3789     |           | 2SB1587     | 3102      | H22AI       |
|           | RN2202      |           | BUZ90       | 2502      | 2SA1352     |           | 2SB1588     | 4001B     | CD4001      |
|           | UN4111      |           | IRFBE20     |           | 2SA1353     | 2561      | 2SC3780     |           | TC4001BP    |
| 2357      | 2SC3400     | 2389      | BUZ10       |           | 2SA1380     | 2566      | 2SD1669     | 4011B     | CD4011      |
|           | DTC124      |           | BUZ11       |           | 2SA1480     | 2567      | 2SB1136     |           | TC4011BP    |
|           | RN1203      |           | IRFZ30      | 2503      | 2SC3616     | 2569      | 2SA1470     | 4013B     | CD4013BE    |
|           | UN4212      |           | IRFZ34      |           | 2SC4204     |           | 2SB1273     | 4016      | CD4016      |
| 2358      | 2SA1346     | 2393      | MTH8M45     | 2504      | 2SC3807     | 2570      | 2SD2202     | 4017B     | CD4017BCN   |
| 2359      | 2SC3399     |           | SGSP479     |           | 2SC4137     |           | 2SD2374     |           | TC4017BP    |
|           | 2SC3653     | 2394      | 2SK557      | 2505      | 2SD1458     | 2574      | 2SC3943     | 4047B     | CD4047      |
|           | DTC144      |           | 2SK641      |           | 2SD2259     | 2576      | 2SC4883     | 4052B     | CD4052BCN   |
|           | RN1204      |           | 2SK643      | 2506      | 2SC3611     | 2577      | 2SA1667     |           | TC4052BP    |
| 2360      | 2SA1345     |           | 2SK644      | 2507      | 2SC3782     |           | 2SA1899     | 4053B     | CD4053BE    |
|           | DTA144      |           | 2SK724      | 2508      | 2SC3953     | 2579      | 2SC3591     | 4066B     | CD4066BE    |
| 2361      | 2SC2785     |           | 2SK735      | 2509      | 2SA1538     |           | 2SC3834     |           | TC4066      |
|           | 2SC2839     |           | 2SK874      | 2510      | 2SC4271     | 2580      | 2SC4219     |           | TC4066BP    |
|           | 2SC3311     |           | 2SK875      | 2511      | 2SC3597     | 2581      | 2SC3832     | 4069      | CD4069AN    |

**Cruze De Referencias ECG / NTE**

# ECG / NTE CROSS REFERENCE

## ECG / NTE Cross Reference

| ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER | ECG / NTE | PART NUMBER |
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| 4093B     | CD4093      | 7027      | STK5461     | 7093      | STR13006    |
| 4538B     | TC4538BP    | 7028      | STK5468     | 7095      | STR12006    |
| 4556B     | CD4556BE    | 7029      | STK4231-II  |           | STR15006    |
| 5012A     | 1N5233      | 7030      | STK4036-II  | 7096      | KA3842B     |
| 5022A     | 1N5243      | 7031      | STK4044-II  |           | UC3842P     |
| 5077A     | 1N4746      | 7032      | STK4046-XI  | 7097      | KA3843B     |
| 5084A     | SK3150C     | 7033      | STK7358     |           | UC3843      |
| 5400      | 2N5060      | 7034      | STK5477     | 7098      | KA3844BB    |
| 5401      | 2N5061      | 7035      | STK5342     |           | UC3844      |
|           | CR02AM      | 7036      | STK5333     | 7099      | UC3845      |
| 5402      | 2N5062      | 7037      | STK5364A    | 7100      | UPC1237HA   |
| 5404      | 2N5064      | 7038      | STK5486     | 7101      | UPC1241H    |
|           | BRX47       | 7039      | LA7838      | 7102      | UPC1335     |
| 5405      | FOR3G       | 7040      | HA1397      | 7103      | UPC1298V    |
| 5424      | 3S4M        | 7041      | KIA6210AH   | 7104      | LA7837      |
|           | S6344G      |           | KIA8210     | 7105      | TDA2009     |
|           | S6612F      |           | TA8210AH    | 7106      | TDA7360     |
| 5437      | TIC106D     |           | TA8210H     | 7107      | L4960       |
| 5457      | 2P4M        | 7042      | BA6418N     | 7108      | SDA3202-3   |
|           | CR3AM       | 7043      | TA7291S     | 7109      | M51995      |
| 5465      | SF3G41      | 7044      | AN5900      |           | M51995P     |
|           | TA7405P     | 7045      | KA2135      | 7110      | M52055P     |
| 5466      | BT151-500R  | 7046      | STRS6301A   | 7111      | AN5302K     |
|           | SF3J41      | 7047      | TDA8305A    | 7112      | AN5613      |
| 5554      | TIC126D     | 7048      | TDA3569     | 7113      | AN7171K     |
| 5556      | TIC126M     | 7051      | TDA7052     | 7114      | TDA1554Q    |
| 5610      | BT137-800   |           | TDA8369     | 7115      | TDA2595     |
| 5633      | T2800       | 7052      | TDA7056     | 7116      | TDA7053     |
| 5635      | TIC226D     | 7053      | TDA7350     | 7118      | TDA1514A    |
| 5645      | BT136-500   | 7054      | LA7670      | 7119      | TDA1519A    |
|           | BT136-600   | 7055      | KA2214      | 7120      | M51367P     |
|           | BT137-500   |           | UPC1263C2   | 7121      | AN5156K     |
| 5808      | 1N5398      |           | UPC1316C    | 7122      | UPC1225H    |
| 5809      | 1N5408      | 7056      | UPC1488H    | 7123      | LA7824      |
| 6085      | CTB24       | 7058      | IX1077      | 7124      | L78MR05     |
| 6090      | CTB34       |           | TA8854N     | 7125      | STK730-010  |
| 6244      | CTU22       | 7069      | AN7173K     |           | STK730-130  |
| 6401      | 2N2646      | 7060      | AN5160NK    | 7126      | STK730-020  |
| 6402      | 2N6027      | 7061      | AN7147N     | 7127      | AN3826NK    |
| 6403      | MBS4991     |           | AN7149      | 7128      | PQ12RF11    |
| 6409      | 2N2647      | 7062      | GL1151      | 7129      | LA7578N     |
| 7000      | TDA1905     |           | LA7851      | 7130      | LA7577N     |
| 7001      | TDA2593     | 7063      | LA7852      | 7131      | TDA8356     |
| 7002      | TDA4600     | 7064      | TA7267BP    | 7132      | TDA4850     |
|           | TDA4601     | 7065      | TA86018N    | 7133      | TDA4851     |
| 7003      | AN5301NK    | 7066      | LA7222      | 7134      | TDA4858     |
| 7004      | LA7916      | 7067      | LA7510      | 7135      | TDA4860     |
| 7007      | HA11510NT   | 7068      | TA8200AH    | 7136      | TDA4861     |
| 7008      | LA7629      | 7069      | M54477L     | 7137      | TDA4881     |
| 7010      | IX1190      | 7070      | TA8211AH    | 7138      | TDA4882     |
|           | IX1712CE    | 7071      | L298        | 7139      | TDA8103Q    |
|           | TA8680AN    | 7072      | TDA1074     | 7406      | M53206      |
|           | TA8680N     | 7073      | STRS6301    | 9402      | DN838       |
| 7011      | AN7161N     | 7074      | STK5474     | 15005     | ICPF10      |
| 7012      | TA7750P     | 7075      | STK7310     | 15006     | ICPF15      |
| 7013      | UPC1490HA   | 7077      | STR30110    | 15008     | ICPF25      |
| 7015      | M51365P     | 7078      | STR58041    | 15009     | ICPF38      |
|           | M51365SP    |           | STR58041A   | 15019     | ICPN5       |
| 7016      | CA3189E     | 7079      | STR59041    | 15020     | ICPN10      |
| 7017      | TDA8175     | 7081      | LM1203N     | 15021     | ICPN15      |
| 7018      | TDA4505A    | 7083      | TDA4800     | 15022     | ICPN20      |
| 7019      | UPC1486C    | 7084      | LA7820      | 15023     | ICPN25      |
| 7020      | UPC1520CA   | 7085      | LA7836      | 56008     | BT138-500   |
| 7021      | STK7404A    | 7086      | LA7850      | 56017     | BT139-500   |
|           | STK7406     | 7087      | LB1641      | 56020     | BTA12-400   |
|           | STK7408     | 7088      | TA8205AH    | 75188     | MC1488D1    |
| 7022      | STK5476     | 7089      | AN6610      | 75189     | MC1489      |
| 7023      | STK5464     | 7090      | M5230L      |           | SN75189     |
| 7024      | STK5346     | 7091      | M54649      |           |             |
| 7025      | STK7348     | 7092      | STR10006    |           |             |
| 7026      | STK5352     |           | STR11006    |           |             |



### SONY ORIGINAL SOUND MODULE

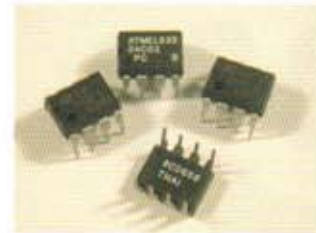


PART NO.  
**SBX-1637-11**  
**8-746-371-10**

Cruze De Referencias ECG / NTE



# EPROMS



## PROGRAMMED REPLACEMENT RCA EPROMS

## OTHER EPROMS

| PART NUMBER | CHASSIS NO. | PREFIX               | ORDER NO. |
|-------------|-------------|----------------------|-----------|
| 217-321     | CTC175      | A, A2                | SE75321   |
| 217-047     | CTC175      | C, C2                | SE75047   |
| 217-323     | CTC175      | K, K2, L, L2         | SE75323   |
| 218-540     | CTC176      | C                    | SE76540   |
| 218-541     | CTC176      | D2                   | SE76541   |
| 217-657     | CTC176      | E                    | SE76657   |
| 217-658     | CTC176      | F                    | SE76658   |
| 223-923     | CTC176      | F2                   | SE76923   |
| 221-097     | CTC176      | H2, J2               | SE76097   |
| 226-422     | CTC176      | J2 "USE 221-097"     | SE76422   |
| 221-098     | CTC176      | K2                   | SE76098   |
| 221-099     | CTC176      | L2                   | SE76099   |
| 223-932     | CTC176      | N2                   | SE76932   |
| 224-836     | CTC176      | P2, G2               | SE76836   |
| 218-400     | CTC177      | AA, AK               | SE77400   |
| 224-279     | CTC177      | AA2, AK2             | SE77279   |
| 227-715     | CTC177      | AA3                  | SE77715   |
| 218-542     | CTC177      | AC                   | SE77542   |
| 218-401     | CTC177      | AD, AG               | SE77401   |
| 218-403     | CTC177      | AE, AH               | SE77403   |
| 218-402     | CTC177      | AF                   | SE77402   |
| 223-935     | CTC177      | AF2                  | SE77935   |
| 224-281     | CTC177      | AH2, BH2, BH3, BM2   | SE77281   |
| 221-101     | CTC177      | AJ2                  | SE77101   |
| 228-287     | CTC177      | AM2, AF3             | SE77287   |
| 227-716     | CTC177      | AR2                  | SE77716   |
| 215-861     | CTC177      | BB                   | SE77861   |
| 218-397     | CTC177      | BD, BF               | SE77397   |
| 218-398     | CTC177      | BE, BG               | SE77398   |
| 219-399     | CTC177      | BH                   | SE77399   |
| 227-714     | CTC177      | BP2                  | SE77714   |
| 218-404     | CTC177      | CC                   | SE77404   |
| 218-405     | CTC177      | CD                   | SE77405   |
| 227-843     | CTC179      | DK                   | SE79843   |
| 233-181     | CTC185      | AA                   | SE85181   |
| 225-767     | CTC186      | A, D                 | SE86767   |
| 226-619     | CTC186      | C                    | SE86619   |
| 223-912     | CTC187      | AA, AC               | SE87912   |
| 223-940     | CTC187      | AB, AD               | SE87940   |
| 228-907     | CTC187      | AF                   | SE87907   |
| 225-688     | CTC187      | BC, BD, BF, BD2, BF2 | SE87688   |
| 223-941     | CTC187      | BG                   | SE87941   |
| 225-689     | CTC187      | BH, BJ               | SE87689   |
| 228-905     | CTC187      | CH, CN, CN2, CN3     | SE87905   |
| 223-957     | CTC187      | CJ, CL, CL2, CL3, CM | SE87957   |
| 223-954     | CTC187      | CK                   | SE87954   |
| 238-443     | CTC189      |                      | SE89443   |
| 241-269     | CTC195      |                      | SE95269   |
| 241-275     | CTC197      |                      | SE97275   |

### MAGNAVOX

4835-2098-8527  
4835-2098-8108

### PANASONIC

24C02AIP

### SHARP

VHIM24C01B-1

### ZENITH

221-00745-04



### NON-PROGRAMMED EPROMS

24C02P  
24C04P  
24C08P  
93C46-10PC  
93C46N

EPROMS

SIERRA ELECTRONICS  
21137 Commerce Pointe Drive  
Walnut, Ca 91789 U.S.A.

Product Availability & Pricing May Change Without Prior Notice

WEBSITE ADDRESS  
SIERRAELECTRONICSONLINE.COM

TEL (909) 468-2690  
TOLL FREE (800) 878-2197  
FAX (909) 468-2696

EMAIL ADDRESS : SIERRATRON@AOL.COM

EPROMS

# CAPACITORS CAPACITORES



## Polarized Electrolytic Radial Type Miniature Size Aluminum Capacitors

Capacitors

| 10 Volts | MFD | MFD   |
|----------|-----|-------|
|          | 100 | 1000  |
|          | 220 | 2200  |
|          | 330 | 3300  |
|          | 470 | 4700  |
|          | 680 | 10000 |

| 16 Volts | MFD | MFD   |
|----------|-----|-------|
|          | 1   | 330   |
|          | 4.7 | 470   |
|          | 10  | 1000  |
|          | 22  | 2200  |
|          | 33  | 3300  |
|          | 47  | 4700  |
|          | 100 | 6800  |
|          | 220 | 10000 |

| 25 Volts | MFD | MFD   |
|----------|-----|-------|
|          | 1   | 330   |
|          | 4.7 | 470   |
|          | 10  | 1000  |
|          | 22  | 2200  |
|          | 33  | 3300  |
|          | 47  | 4700  |
|          | 100 | 6800  |
|          | 220 | 10000 |

| 35 Volts | MFD | MFD   |
|----------|-----|-------|
|          | 1   | 330   |
|          | 4.7 | 470   |
|          | 10  | 1000  |
|          | 22  | 2200  |
|          | 33  | 3300  |
|          | 47  | 4700  |
|          | 100 | 6800  |
|          | 220 | 10000 |

| 50 Volts | MFD  | MFD   |
|----------|------|-------|
|          | 0.1  | 47    |
|          | 0.22 | 100   |
|          | 0.33 | 220   |
|          | 0.47 | 330   |
|          | 1    | 470   |
|          | 2.2  | 1000  |
|          | 3.3  | 2200  |
|          | 4.7  | 3300  |
|          | 4.7  | 4700  |
|          | 10   | 6800  |
|          | 22   | 10000 |
|          | 33   |       |

| 63 Volts | MFD | MFD   |
|----------|-----|-------|
|          | 1   | 220   |
|          | 2.2 | 330   |
|          | 3.3 | 470   |
|          | 4.7 | 1000  |
|          | 10  | 2200  |
|          | 22  | 3300  |
|          | 33  | 4700  |
|          | 47  | 10000 |
|          | 100 |       |

| 100 Volts | MFD | MFD   |
|-----------|-----|-------|
|           | 4.7 | 470   |
|           | 10  | 1000  |
|           | 22  | 2200  |
|           | 33  | 3300  |
|           | 47  | 4700  |
|           | 100 | 5000  |
|           | 220 | 10000 |
|           | 330 |       |

| 160 Volts | MFD | MFD |
|-----------|-----|-----|
|           | 1   | 33  |
|           | 2.2 | 47  |
|           | 3.3 | 100 |
|           | 4.7 | 220 |
|           | 10  | 330 |
|           | 22  |     |

| 200 Volts | MFD | MFD |
|-----------|-----|-----|
|           | 470 | 560 |

| 250 Volts | MFD | MFD  |
|-----------|-----|------|
|           | 1   | 100  |
|           | 2.2 | 220  |
|           | 3.3 | 330  |
|           | 4.7 | 470  |
|           | 10  | 680  |
|           | 22  | 820  |
|           | 33  | 1000 |
|           | 47  |      |

| 350 Volts | MFD | MFD |
|-----------|-----|-----|
|           | 1   | 22  |
|           | 4.7 | 47  |
|           | 10  |     |

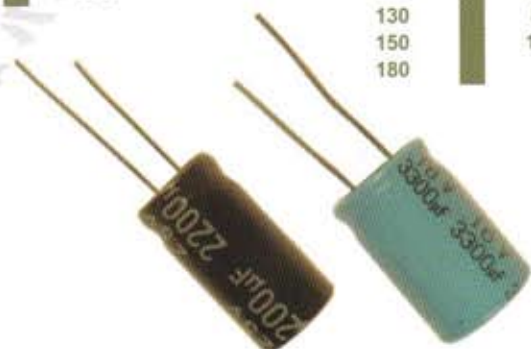
  

| 400 Volts | MFD | MFD   |
|-----------|-----|-------|
|           | 1   | 47    |
|           | 2.2 | 100   |
|           | 3.3 | 150   |
|           | 4.7 | 220   |
|           | 10  | 330   |
|           | 22  | 470   |
|           | 33  | 10000 |

| 450 Volts | MFD | MFD   |
|-----------|-----|-------|
|           | 1   | 220   |
|           | 10  | 1000  |
|           | 22  | 2200  |
|           | 47  | 3300  |
|           | 100 | 4700  |
|           | 120 | 6800  |
|           | 130 | 8200  |
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|           | 180 |       |

Capacitors



# CAPACITORS CAPACITORES

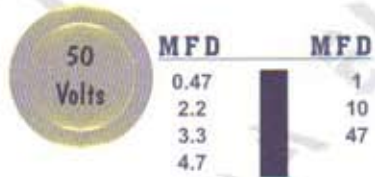
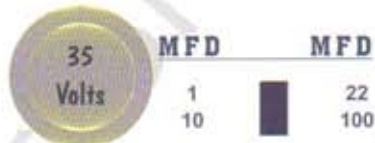
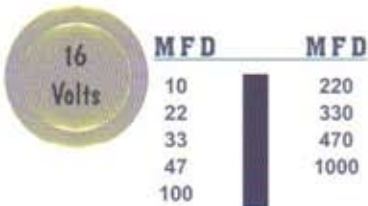
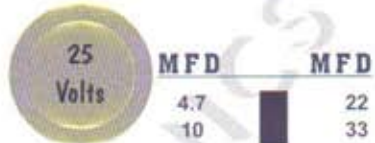
## Polarized Electrolytic Radial Type



### Sub-Miniature

### Surface Mount

Capacitors



**High Quality Capacitors**

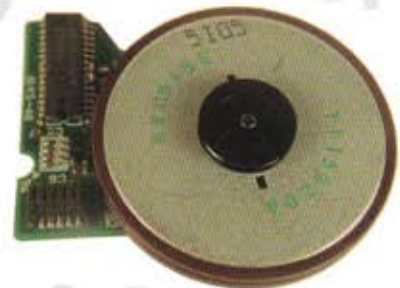
**PANASONIC  
NICHICON  
RUBYCON  
SOHEI  
NEMCO  
UGC  
NIC**

# CAPSTAN MOTORS



**EMERSON  
1589V1002**

Order No. : JCM 5039



**EMERSON**

Order No. : M56730ASP



**SHARP**

Order No. : LB-1807

Capacitors

# FLYBACK TRANSFORMERS

## Flyback Transformers

### A.O.C.

79A302-1  
79A302-2  
79A302-7  
79A302-8  
79A306-1  
79A306-2  
79A307-1  
79A307-2  
79A307-3  
79A339-2L  
79A346-2  
79A361-3

### BROOKSONIC EMERSON

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3214012  
3214013  
3214014  
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3225007  
3227001  
3227002  
3714002  
3720002

### DAEWOO

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DCF1577  
DCF1577A  
DCF1578  
DCF1580  
DCF2052  
DCF2077

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### GOLDSTAR CONT.

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### GOLDSTAR CONT.

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## Flyback Transformers

# FLYBACK TRANSFORMERS

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### KAWASHO DYNATECH MULTITECH

101-214-004-03  
101-214-009-03  
101-220-002-03  
101-220-005-03A

### KOYODA

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KFS20867  
KFS20986  
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KFS21185  
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KFS60172  
KFS60226  
KFS60266  
KFS60280  
KFS60288  
KFS60346  
KFS60348B  
KFS60455  
KFS60505  
KFS60737  
KFS61262

### MEGATRON

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5731171  
5830011

### MITSUBISHI

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### NEC

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### PANASONIC QUASAR

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TLF14634F  
TLF14644F  
TLF14656F  
TLF14706F  
TLF14712F  
TLF14718F  
TLF14763F  
TLF14801F  
TLF15521B  
TLF15521F  
TLF15521F3  
TLF15525B  
TLF15526F  
TLF15544F  
TLF15615F  
TLF69907F  
TLF69908F  
TLF69965F  
TLF69983  
TLF70012F  
TLF70017A  
TLF70018  
TLF70019  
TLF70051  
TLF70152F  
TLF70179B

### PANDA

BSH11  
BSH11N06  
BSH12  
BSH12N05  
BSH12N05D  
BSH12N05LS  
BSH12N5  
BSH12N305  
BSH12N305L  
BSH12N406  
BSH12N406L  
BSH13  
BSH13N301LB  
BSH14  
BSH306  
BSH306L

### PORTLAND

TFB125SE

### SAMSUNG

FBC1215AL  
FBC1245AL  
FBC1245CL  
FCC1415AL  
FCC1415DL  
FCC1415GL  
FCC1415JL  
FCC1415OL  
FCC2015AL  
FCC2015BE  
FCC2015CE  
FCC2015GL  
FCC2015JL  
FCC2015LL  
FCK14A022  
FCK14A025A  
FCK14A027  
FCK14A033  
FCK14B2  
FCK14B3  
FCK14B020

### SAMSUNG CONT.

FCK14B025  
FCK20B003  
FCK1412E01  
FCK1412E02  
FCK1412E05  
FCK1412E08  
FCK1415AL  
FCK1415EL  
FCK1415JL  
FCM20A010  
FCM20A023  
FCM20A025  
FCM20A031  
FCM20A032A  
FCM20B004  
FCM20B007  
FCM20B008  
FCM20B010  
FCM20B025  
FCM20B044A  
FCM20B047  
FCM20B047A  
FCM20B052  
FCM25A025A  
FCM1411L  
FCM1411L01  
FCM1415AL  
FCM2015AL  
FCM2015BL  
FCM2015KE  
FCM2015ML  
FCM2015NL  
FCO14A030  
FCO14A033  
FCR25A001R  
FCR25A006A  
FCR25A008  
FCR25A009  
FCR25A016  
FCR25A019  
FCR29A001  
FCR29A014R  
FCR29A017R  
FCR2615AL



# FLYBACK TRANSFORMERS

Flyback Transformers

## SANYO FISHER

FCV14A001  
FCV14B001  
FMG1235CL  
FMG1235FL  
FMG1245AL  
FSA24007M  
FSA25002S  
FSA25023S  
FSA28014M  
FSA28023M  
FSA28027M  
FSA38012M  
FSA37012M  
FSV14A001  
FSV14A004  
FSV20A001  
FSV20B001  
FTE29A001  
FTH29A013  
FTK20R002  
FA2017  
FA2019  
FD22  
FD120  
FD121  
FD122  
FD154  
FD158  
FD192  
FD194

## SHARP

F0003  
F0004  
F0009  
F0011  
F0014  
F0015  
F0016  
F0019  
F0020  
F0032  
F0036  
F0039  
F0054

## SHARP CONT.

F0055  
F0057  
F0058  
F0059  
F0060  
F1133  
F1177  
F1216  
F1245  
F1251  
F1307  
F1308  
F1372  
F1431  
F1445  
F1446  
F1452  
F1477  
F1588  
F1601  
F1619  
F1735

## SONY

1-439-234-00  
1-439-234-12  
1-439-235-00  
1-439-235-11  
1-439-235-12  
1-439-235-22  
1-439-238-11  
1-439-250-00  
1-439-250-11  
1-439-250-12  
1-439-250-22  
1-439-254-00  
1-439-254-11  
1-439-254-12  
1-439-254-13  
1-439-273-00  
1-439-273-12  
1-439-278-00  
1-439-278-12  
1-439-289-22  
1-439-303-31  
1-439-304-11

## SONY CONT.

1-439-311-00  
1-439-311-11  
1-439-311-13  
1-439-311-21  
1-439-311-22  
1-439-311-32  
1-439-314-00  
1-439-314-11  
1-439-314-13  
1-439-333-11  
1-439-333-12  
1-439-334-11  
1-439-337-11  
1-439-339-00  
1-439-339-11  
1-439-339-12  
1-439-351-00  
1-439-351-11  
1-439-351-12  
1-439-351-13  
1-439-351-21  
1-439-351-22  
1-439-357-00  
1-439-357-11  
1-439-372-11  
1-439-372-12  
1-439-372-13  
1-439-372-23  
1-439-413-11  
1-439-416-00  
1-439-416-21  
1-439-416-41  
1-439-421-00  
1-439-421-11  
1-439-421-21  
1-439-421-41  
1-439-423-11  
1-439-423-22  
1-439-423-32  
1-439-423-51  
1-439-424-11  
1-439-429-11  
1-439-435-11  
1-439-454-11  
1-439-482-00  
1-439-485-11  
1-439-492-12

## SONY CONT.

1-439-493-11  
1-439-495-12  
1-439-497-11  
1-439-498-11  
1-439-498-12  
1-439-498-31  
1-439-498-32  
1-439-498-51  
1-439-498-57  
1-439-498-71  
1-439-502-11  
1-439-520-11  
1-439-603  
1-439-603-00  
1-439-641-21  
1-439-925-00  
1-439-928-01  
1-453-146-11  
1-453-146-21  
1-453-207-11  
1-453-215-11  
8-598-916-10  
8-598-922-00  
8-598-960-00  
8-598-960-11  
8-598-961-00  
8-598-962-00  
8-598-969-00  
8-598-971-00  
8-598-974-00  
8-598-977-20  
8-598-979-10  
8-598-998-00  
8-598-999-21  
8-598-999-21

## TEI

5908-05007A-AA  
5908-05008A-AA

## TOSHIBA

TFB174  
TFB4029AD  
TFB4030AD  
TFB4048AD

## ZENITH

95-4134-07  
95-4134-10  
95-4134-15  
95-4136  
95-4168  
95-4168-01  
95-4168-02  
95-4203  
95-4372  
95-4376  
95-4404  
95-4404-2  
95-4430-01  
95-4435  
95-4438  
95-4467  
95-4510  
95-4511  
95-90748



Flyback Transformers

**High Quality  
Flybacks  
Flybacks De  
Buena Calidad**

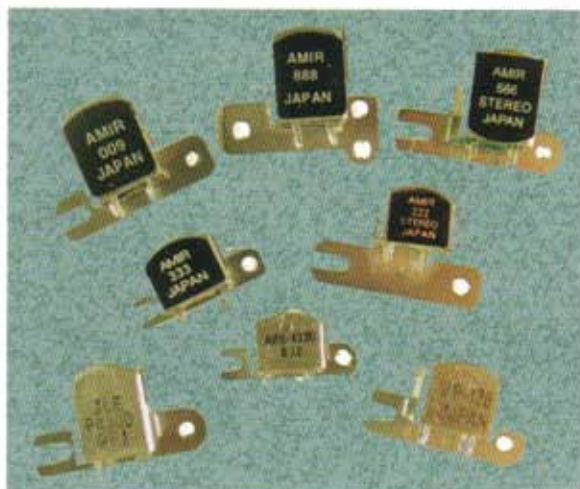
**Replacement  
RCA  
HIGH VOLTAGE  
BLOCK**

**Order No.  
205-064R**





## AUDIO TAPE HEADS CABEZAS DE AUDIO



### MAGNETIC TAPE HEADS FOR AUDIO CASSETTE

| PART NUMBER | SPECIFICATIONS        |
|-------------|-----------------------|
| AMIR 009    | STEREO                |
| AMIR 222    | STEREO "WALKMAN TYPE" |
| AMIR 333    | STEREO "WALKMAN TYPE" |
| AMIR 666    | STEREO                |
| AMIR 888    | MONO                  |
| SE-JVC1     | STEREO "WALKMAN TYPE" |
| P4300       | STEREO                |
| PP128       | STEREO "SONY"         |

## MOTORS MOTORES

### MABUCHI MOTORS

| MODEL NO.  | ORDER NO. | VOLTAGE | SPEED | RPM       | ROTATION |
|------------|-----------|---------|-------|-----------|----------|
| EG530AD-9F | SE-9072   | 9V      | 1     | 2400      | CW       |
| EG530AD-9B | SE-9073   | 9V      | 1     | 2400      | CCW      |
| EG530AD-2F | SE-9074   | 12V     | 1     | 2400      | CW       |
| EG530AD-2B | SE-9075   | 12V     | 1     | 2400      | CCW      |
| EG530YD-9F | SE-9081   | 9V      | 2     | 2000-4000 | CW       |
| EG530YD-9B | SE-9080   | 9V      | 2     | 2000-4000 | CCW      |
| EG530YD-2F | SE-9085   | 12V     | 2     | 2000-4000 | CW       |
| EG530YD-2B | SE-9090   | 12V     | 2     | 2000-4000 | CCW      |
| EG520ED-3B | SE-9095   | 13.2V   | 1     | 2400      | CCW      |



## GEARS ENGRANES

Most Popular  
Cassette Gear

ORDER NO. : SE-7016



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TOLL FREE (800) 878-2197  
FAX (909) 468-2696  
EMAIL ADDRESS : SIERRATRON@AOL.COM

Cabezas De Audio / Motores / Engranés

Tape Heads / Motors / Gears



# ORIGINAL OPTICAL CD PICK-UP HEADS

Optical CD Pick-Up Heads

## SONY



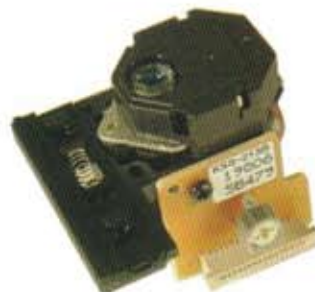
**KSS-210A**  
8-848-062-11



**KSS-210B**  
8-848-137-11



**KSS-212B**



**KSS-213B**



**KSS-213C**



**KSS-213D**



**KSS-213F**

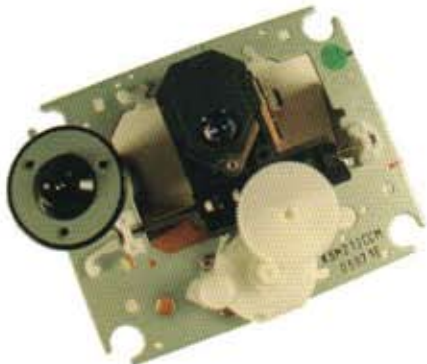


**KSS-240A**  
8-848-144-11



**DAX-01**

**PLAY STATION**



**KSM-213CCM**



**KSM-542AAA**



**KSM-440ACM**

Opticos

# ORIGINAL OPTICAL CD PICK-UP HEADS

Optical CD Pick-Up Heads

## SANYO



SF-90



SF-91



SOH-A1

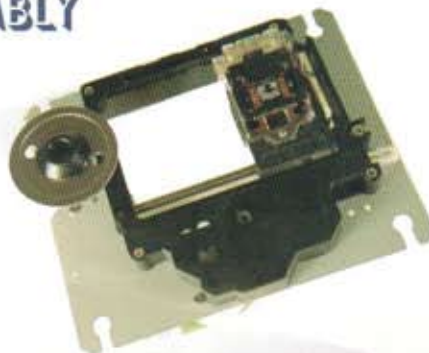


OPTIMA-6

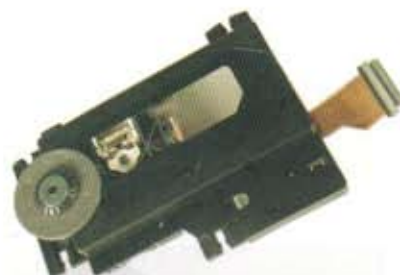
## ORIGINAL SANYO ASSEMBLY



SF-P100



SF-P101



CDM 12.1  
VAM - 1202

## SHARP



H8147AF  
RCTRH8147AFZZ



H8151AF  
RCTRH8151AFZZ

## HITACHI



HOP-M3

## PANASONIC



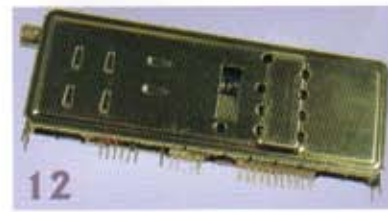
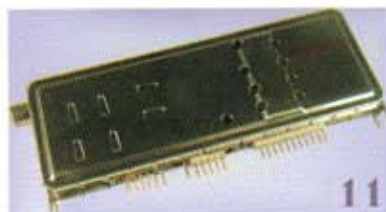
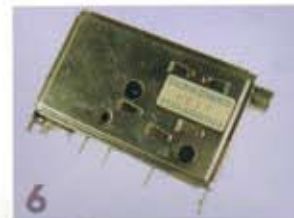
RAE0152Z

Opticos

# TUNERS VARICAPS

# DIGITAL TUNERS

Tuners / Varicaps



New Tuners  
are continuously  
being added.

Please Inquire.....

| FIG. #  | BRAND               | PART NUMBER    |
|---------|---------------------|----------------|
| Fig. 1  | SANYO               | 115-B-6085P    |
| Fig. 2  | ZENITH              | 175-2770       |
| Fig. 2  | ZENITH              | 175-02770      |
| Fig. 3  | ZENITH              | 175-2771       |
| Fig. 3  | ZENITH              | 175-02771      |
| Fig. 3  | SAMSUNG             | TECC1070PG31B  |
| Fig. 4  | SANYO               | 1AV4F1BA-M0010 |
| Fig. 5  | DAEWOO              | DT9-NF03F      |
| Fig. 6  | PANASONIC / EMERSON | ENV568R0G3     |
| Fig. 7  | SAMSUNG             | TECC1040PG31B  |
| Fig. 8  | SAMSUNG             | TECC1840PG31B  |
| Fig. 9  | SAMSUNG             | TECC1880PA09C  |
| Fig. 10 | SONY                | 8-598-477-00   |
| Fig. 11 | SONY                | 8-598-431-00   |
| Fig. 12 | SONY                | 8-598-542-20   |

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EMAIL ADDRESS : SIERRATRON@AOL.COM

Tuners / Varicaps

# BELTS BANDAS

## AUDIO, VIDEO & TURNTABLE BELTS

### SQUARE BELTS

1.2mm / 0.05"

ALL BELT SIZES ARE IN (mm.).  
CALL US FOR SIZES IN (Inches).

TODAS LAS BANDAS SON EN (mm.).  
LLAME SI NECESITA SABER LAS PULGADAS.

BELTS

| PART NO. | mm | PART NO. | mm | PART NO. | mm | PART NO. | mm  | PART NO. | mm  |
|----------|----|----------|----|----------|----|----------|-----|----------|-----|
| SE-8012  | 12 | SE-8040  | 40 | SE-8068  | 68 | SE-8096  | 96  | SE-80124 | 124 |
| SE-8013  | 13 | SE-8041  | 41 | SE-8069  | 69 | SE-8097  | 97  | SE-80125 | 125 |
| SE-8014  | 14 | SE-8042  | 42 | SE-8070  | 70 | SE-8098  | 98  | SE-80126 | 126 |
| SE-8015  | 15 | SE-8043  | 43 | SE-8071  | 71 | SE-8099  | 99  | SE-80127 | 127 |
| SE-8016  | 16 | SE-8044  | 44 | SE-8072  | 72 | SE-80100 | 100 | SE-80128 | 128 |
| SE-8017  | 17 | SE-8045  | 45 | SE-8073  | 73 | SE-80101 | 101 | SE-80129 | 129 |
| SE-8018  | 18 | SE-8046  | 46 | SE-8074  | 74 | SE-80102 | 102 | SE-80130 | 130 |
| SE-8019  | 19 | SE-8047  | 47 | SE-8075  | 75 | SE-80103 | 103 | SE-80131 | 131 |
| SE-8020  | 20 | SE-8048  | 48 | SE-8076  | 76 | SE-80104 | 104 | SE-80132 | 132 |
| SE-8021  | 21 | SE-8049  | 49 | SE-8077  | 77 | SE-80105 | 105 | SE-80133 | 133 |
| SE-8022  | 22 | SE-8050  | 50 | SE-8078  | 78 | SE-80106 | 106 | SE-80134 | 134 |
| SE-8023  | 23 | SE-8051  | 51 | SE-8079  | 79 | SE-80107 | 107 | SE-80135 | 135 |
| SE-8024  | 24 | SE-8052  | 52 | SE-8080  | 80 | SE-80108 | 108 | SE-80136 | 136 |
| SE-8025  | 25 | SE-8053  | 53 | SE-8081  | 81 | SE-80109 | 109 | SE-80137 | 137 |
| SE-8026  | 26 | SE-8054  | 54 | SE-8082  | 82 | SE-80110 | 110 | SE-80138 | 138 |
| SE-8027  | 27 | SE-8055  | 55 | SE-8083  | 83 | SE-80111 | 111 | SE-80139 | 139 |
| SE-8028  | 28 | SE-8056  | 56 | SE-8084  | 84 | SE-80112 | 112 | SE-80140 | 140 |
| SE-8029  | 29 | SE-8057  | 57 | SE-8085  | 85 | SE-80113 | 113 | SE-80141 | 141 |
| SE-8030  | 30 | SE-8058  | 58 | SE-8086  | 86 | SE-80114 | 114 | SE-80142 | 142 |
| SE-8031  | 31 | SE-8059  | 59 | SE-8087  | 87 | SE-80115 | 115 | SE-80143 | 143 |
| SE-8032  | 32 | SE-8060  | 60 | SE-8088  | 88 | SE-80116 | 116 | SE-80144 | 144 |
| SE-8033  | 33 | SE-8061  | 61 | SE-8089  | 89 | SE-80117 | 117 | SE-80145 | 145 |
| SE-8034  | 34 | SE-8062  | 62 | SE-8090  | 90 | SE-80118 | 118 | SE-80146 | 146 |
| SE-8035  | 35 | SE-8063  | 63 | SE-8091  | 91 | SE-80119 | 119 | SE-80147 | 147 |
| SE-8036  | 36 | SE-8064  | 64 | SE-8092  | 92 | SE-80120 | 120 | SE-80148 | 148 |
| SE-8037  | 37 | SE-8065  | 65 | SE-8093  | 93 | SE-80121 | 121 | SE-80149 | 149 |
| SE-8038  | 38 | SE-8066  | 66 | SE-8094  | 94 | SE-80122 | 122 | SE-80150 | 150 |
| SE-8039  | 39 | SE-8067  | 67 | SE-8095  | 95 | SE-80123 | 123 |          |     |



BANDAS

# BELTS BANDAS

# SQUARE BELTS 2.0 mm / 0.05"

BELTS

| PART NO. | mm | PART NO. | mm | PART NO. | mm  | PART NO. | mm  | PART NO. | mm  |
|----------|----|----------|----|----------|-----|----------|-----|----------|-----|
| SE-8916  | 16 | SE-8945  | 45 | SE-8974  | 74  | SE-89103 | 103 | SE-89132 | 132 |
| SE-8917  | 17 | SE-8946  | 46 | SE-8975  | 75  | SE-89104 | 104 | SE-89133 | 133 |
| SE-8918  | 18 | SE-8947  | 47 | SE-8976  | 76  | SE-89105 | 105 | SE-89134 | 134 |
| SE-8919  | 19 | SE-8948  | 48 | SE-8977  | 77  | SE-89106 | 106 | SE-89135 | 135 |
| SE-8920  | 20 | SE-8949  | 49 | SE-8978  | 78  | SE-89107 | 107 | SE-89136 | 136 |
| SE-8921  | 21 | SE-8950  | 50 | SE-8979  | 79  | SE-89108 | 108 | SE-89137 | 137 |
| SE-8922  | 22 | SE-8951  | 51 | SE-8980  | 80  | SE-89109 | 109 | SE-89138 | 138 |
| SE-8923  | 23 | SE-8952  | 52 | SE-8981  | 81  | SE-89110 | 110 | SE-89139 | 139 |
| SE-8924  | 24 | SE-8953  | 53 | SE-8982  | 82  | SE-89111 | 111 | SE-89140 | 140 |
| SE-8925  | 25 | SE-8954  | 54 | SE-8983  | 83  | SE-89112 | 112 | SE-89141 | 141 |
| SE-8926  | 26 | SE-8955  | 55 | SE-8984  | 84  | SE-89113 | 113 | SE-89142 | 142 |
| SE-8927  | 27 | SE-8956  | 56 | SE-8985  | 85  | SE-89114 | 114 | SE-89143 | 143 |
| SE-8928  | 28 | SE-8957  | 57 | SE-8986  | 86  | SE-89115 | 115 | SE-89144 | 144 |
| SE-8929  | 29 | SE-8958  | 58 | SE-8987  | 87  | SE-89116 | 116 | SE-89145 | 145 |
| SE-8930  | 30 | SE-8959  | 59 | SE-8988  | 88  | SE-89117 | 117 | SE-89146 | 146 |
| SE-8931  | 31 | SE-8960  | 60 | SE-8989  | 89  | SE-89118 | 118 | SE-89147 | 147 |
| SE-8932  | 32 | SE-8961  | 61 | SE-8990  | 90  | SE-89119 | 119 | SE-89148 | 148 |
| SE-8933  | 33 | SE-8962  | 62 | SE-8991  | 91  | SE-89120 | 120 | SE-89149 | 149 |
| SE-8934  | 34 | SE-8963  | 63 | SE-8992  | 92  | SE-89121 | 121 | SE-89150 | 150 |
| SE-8935  | 35 | SE-8964  | 64 | SE-8993  | 93  | SE-89122 | 122 | SE-89151 | 151 |
| SE-8936  | 36 | SE-8965  | 65 | SE-8994  | 94  | SE-89123 | 123 | SE-89152 | 152 |
| SE-8937  | 37 | SE-8966  | 66 | SE-8995  | 95  | SE-89124 | 124 | SE-89153 | 153 |
| SE-8938  | 38 | SE-8967  | 67 | SE-8996  | 96  | SE-89125 | 125 | SE-89154 | 154 |
| SE-8939  | 39 | SE-8968  | 68 | SE-8997  | 97  | SE-89126 | 126 | SE-89155 | 155 |
| SE-8940  | 40 | SE-8969  | 69 | SE-8998  | 98  | SE-89127 | 127 | SE-89156 | 156 |
| SE-8941  | 41 | SE-8970  | 70 | SE-8999  | 99  | SE-89128 | 128 | SE-89157 | 157 |
| SE-8942  | 42 | SE-8971  | 71 | SE-89100 | 100 | SE-89129 | 129 | SE-89158 | 158 |
| SE-8943  | 43 | SE-8972  | 72 | SE-89101 | 101 | SE-89130 | 130 | SE-89159 | 159 |
| SE-8944  | 44 | SE-8973  | 73 | SE-89102 | 102 | SE-89131 | 131 | SE-89160 | 160 |



# FLAT BELTS 0.6mm X 3 mm / 0.025" X 0.12"

| PART NO. | mm | PART NO. | mm | PART NO. | mm | PART NO. | mm  | PART NO. | mm  |
|----------|----|----------|----|----------|----|----------|-----|----------|-----|
| SE-8330  | 30 | SE-8352  | 52 | SE-8374  | 74 | SE-8396  | 96  | SE-83118 | 118 |
| SE-8331  | 31 | SE-8353  | 53 | SE-8375  | 75 | SE-8397  | 97  | SE-83119 | 119 |
| SE-8332  | 32 | SE-8354  | 54 | SE-8376  | 76 | SE-8398  | 98  | SE-83120 | 120 |
| SE-8333  | 33 | SE-8355  | 55 | SE-8377  | 77 | SE-8399  | 99  | SE-83121 | 121 |
| SE-8334  | 34 | SE-8356  | 56 | SE-8378  | 78 | SE-83100 | 100 | SE-83122 | 122 |
| SE-8335  | 35 | SE-8357  | 57 | SE-8379  | 79 | SE-83101 | 101 | SE-83123 | 123 |
| SE-8336  | 36 | SE-8358  | 58 | SE-8380  | 80 | SE-83102 | 102 | SE-83124 | 124 |
| SE-8337  | 37 | SE-8359  | 59 | SE-8381  | 81 | SE-83103 | 103 | SE-83125 | 125 |
| SE-8338  | 38 | SE-8360  | 60 | SE-8382  | 82 | SE-83104 | 104 | SE-83126 | 126 |
| SE-8339  | 39 | SE-8361  | 61 | SE-8383  | 83 | SE-83105 | 105 | SE-83127 | 127 |
| SE-8340  | 40 | SE-8362  | 62 | SE-8384  | 84 | SE-83106 | 106 | SE-83128 | 128 |
| SE-8341  | 41 | SE-8363  | 63 | SE-8385  | 85 | SE-83107 | 107 | SE-83129 | 129 |
| SE-8342  | 42 | SE-8364  | 64 | SE-8386  | 86 | SE-83108 | 108 | SE-83130 | 130 |
| SE-8343  | 43 | SE-8365  | 65 | SE-8387  | 87 | SE-83109 | 109 | SE-83131 | 131 |
| SE-8344  | 44 | SE-8366  | 66 | SE-8388  | 88 | SE-83110 | 110 | SE-83132 | 132 |
| SE-8345  | 45 | SE-8367  | 67 | SE-8389  | 89 | SE-83111 | 111 | SE-83133 | 133 |
| SE-8346  | 46 | SE-8368  | 68 | SE-8390  | 90 | SE-83112 | 112 | SE-83134 | 134 |
| SE-8347  | 47 | SE-8369  | 69 | SE-8391  | 91 | SE-83113 | 113 | SE-83135 | 135 |
| SE-8348  | 48 | SE-8370  | 70 | SE-8392  | 92 | SE-83114 | 114 | SE-83136 | 136 |
| SE-8349  | 49 | SE-8371  | 71 | SE-8393  | 93 | SE-83115 | 115 | SE-83137 | 137 |
| SE-8350  | 50 | SE-8372  | 72 | SE-8394  | 94 | SE-83116 | 116 | SE-83138 | 138 |
| SE-8351  | 51 | SE-8373  | 73 | SE-8395  | 95 | SE-83117 | 117 |          |     |

BANDAS

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Walnut, Ca 91789 U.S.A.  
Product Availability & Pricing May Change Without Prior Notice

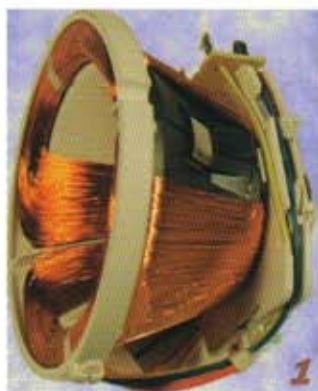
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SIERRAELECTRONICSONLINE.COM

TEL (909) 468-2690  
TOLL FREE (800) 878-2197  
FAX (909) 468-2696

EMAIL ADDRESS : SIERRATRON@AOL.COM

# DEFLECTION YOKES

Deflection Yokes



| FIG. # | PART NUMBER | BRAND    |
|--------|-------------|----------|
| 1      | 153-022A    | GOLDSTAR |
| 2      | 153-047A    | GOLDSTAR |
| 3      | 153-047E    | GOLDSTAR |
| 4      | M-1401      | ZENITH   |
| 5      | M-1421T     | ZENITH   |
| 6      | M-2002      | ZENITH   |
| 7      | DIE-1492HL  | SAMSUNG  |
| 8      | DIE-1982GL  | SAMSUNG  |
| 9      | DSE-1422    | SAMSUNG  |
| 10     | DSE-1992LL  | SAMSUNG  |

Replaces  
Most  
Popular  
Yokes

Reemplaza  
Los Modelos  
mas  
Populares



Yugos

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# SPEAKER ACCESSORIES & TWEETERS

## ACCESORIOS PARA BOCINAS Y TWEETERS

Speaker Accessories

### Speaker Grills

#### Circular Para Bafle



Order No. 22-006  
15.0 cms  
6"

Order No. 22-008  
20.0 cms  
8"

Order No. 22-010  
25 cms  
10"

Order No. 22-012  
30 cms  
12"

Order No. 22-015  
37.5 cms  
15"

Order No. 22-018  
45 cms  
18"

### Speaker Terminals / Conector Para Bafle



Order No. 22-045  
Rectangular Push Type  
Sencillo Con Push



Order No. 22-050  
Circular Push Type  
Redondo Con Push



Order No. 22-055  
Binding Post Type  
Cuadrado Con Bornes

### TWEETERS



Order No. 24-005  
3.34", 8.5 cms  
Freq. 5K-20K Hz.  
75 W



Order No. 24-015  
3.94", 10.0 cms  
Freq. 5K-20K Hz.  
75 W



Order No. 24-010  
3.34", 8.5 cms  
Freq. 5K-20K Hz.  
75 W



Order No. 24-020  
4.75", 12 cms  
Freq. 5K-20K Hz.  
75 W

### CROSSOVER



Order No. 22-040  
250W, 3 Way,  
Freq. 20-20K Hz  
12 dB/Oct.  
13.5 X 9.1 X 3.0 cm



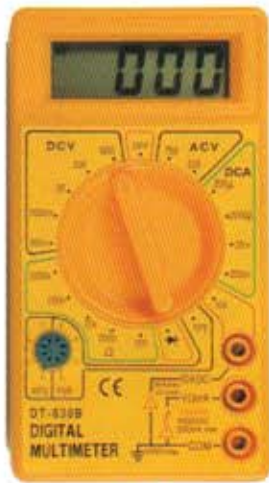
Order No. 24-030  
Bracket  
with screws  
Grapa  
Con Peja

Accesorios Para Bocinas



# MULTIMETERS MULTIMETROS

Digital Multimeters



1



2



3



4



5



6



7



8

CAPACITOR  
METER

| MODEL NUMBER       | DT-830B       | M-3800         | M-266           | MY-67          | MY-68            | M-9502          | M-9508          | DM-6013A      |
|--------------------|---------------|----------------|-----------------|----------------|------------------|-----------------|-----------------|---------------|
| FIG. NUMBER        | 1             | 2              | 3               | 4              | 5                | 6               | 7               | 8             |
| DC VOLTAGE (Volts) | 200mV - 1000V | 200mV - 1000V  | 200mV - 1000V   | 400mV - 1000V  | 326mV - 1000V    | 200mV - 1000V   | 200mV - 1000V   | -             |
| AC VOLTAGE (Volts) | 200V - 750V   | 200mV - 700V   | 200mV - 750V    | 400mV - 750V   | 3.26V - 750V     | 2V - 700V       | 2V - 700V       | -             |
| DC CURRENT (Amps)  | 200mA - 10A   | 2mA - 10A      | 2mA - 10A       | 400uA - 10A    | 326mA - 10A      | 2mA - 20A       | 2mA - 20A       | -             |
| AC CURRENT (Amps)  | -             | 2mA - 10A      | 2mA - 10A       | 400uA - 10A    | 326mA - 10A      | 20mA - 20A      | 200mA - 20A     | -             |
| RESISTANCE (OHMS)  | 200 - 2M ohms | 200 - 20M ohms | 200 - 200M ohms | 400 - 40M ohms | 326 - 32.6M ohms | 200 - 200M ohms | 200 - 20M ohms  | -             |
| CAPACITANCE (MFD)  | -             | -              | 2nF - 20uF      | -              | 326nF - 32.6uF   | 2nF - 200uF     | 2nF - 20uF      | 200pF - 20KuF |
| FREQUENCY (Hz)     | -             | -              | 2kHz, +/- 1.0%  | -              | 32.6k-200kHz     | -               | 20kHz           | -             |
| DIODE CHECK        | Yes           | Yes            | -               | Yes            | Yes              | Yes             | Yes             | -             |
| TRANSISTOR CHECK   | -             | Yes            | -               | Yes            | Yes              | Yes             | Yes             | -             |
| TEMPERATURE ( C )  | -40C - 1000 C | -              | -20C - 1000 C   | -              | -                | -               | -20 C to 1000 C | -             |
| AUDIBLE CONTINUITY | < 50 ohms     | <30 ohms       | <50 ohms        | <50 ohms       | <50 ohms         | <50 ohms        | <50 ohms        | -             |
| DATA HOLD          | -             | -              | Yes             | Yes            | Yes              | Yes             | Yes             | -             |
| LCD DISPLAY SIZE   | 2"            | 2"             | 2"              | 3"             | 3"               | 3"              | 3"              | 3"            |
| POWER OFF          | -             | -              | -               | Auto Power Off | Auto Power Off   | Auto Power Off  | Auto Power Off  | -             |

Multímetros Digitales

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# MULTIMETERS MULTIMETROS

High Quality  
Product

Analogue Multimeters

Multímetros Analógicos

Pocket  
Size



1



2



3



4



5



6

| ORDER NUMBER       | SE-215         | SE-217         | SE-221         | SE-216         | SE-220         | SE-218         |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| MODEL NUMBER       | SP-110         | SP-15D         | SP-18D         | SP-20D         | YX-360TR       | YX-360TRN      |
| FIG. NUMBER        | 1              | 2              | 3              | 4              | 5              | 6              |
| DC VOLTAGE (Volts) | 10V - 1000V    | 300mV - 1000V  | 300mV - 600V   | 10V - 1000V    | 250mV - 1000V  | 500mA - 1000V  |
| AC VOLTAGE (Volts) | 10V - 1000V    | 10V - 1000V    | 12V - 600V     | 10V - 1000V    | 10V - 1000V    | 10V - 1000V    |
| DC CURRENT (Amps)  | 500uA - 250mA  | 500uA - 300mA  | 80uA - 0.3A    | 250uA - 500mA  | 50uA - 250mA   | 50uA - 10A     |
| RESISTANCE (OHMS)  | Up to 10M ohms | Up to 20M ohms | Up to 20M ohms | Up to 10M ohms | Up to 20M ohms | Up to 20M ohms |
| CAPACITANCE (MFD)  | -              | -              | 10uF - 1000uF  | -              | -              | -              |
| DIODE PROTECTION   | Yes            | Yes            | Yes            | Yes            | Yes            | Yes            |
| TRANSISTOR CHECK   | -              | -              | -              | -              | 0-1000hFE      | 0 - 1000hFE    |
| AUDIBLE CONTINUITY | -              | -              | -              | Yes            | -              | -              |
| PANEL SIZE         | 60mm           | 80mm           | 90mm           | 80mm           | 80mm           | 80mm           |

# REMOTE CONTROLS CONTROL REMOTO

Remote Controls



**MAGNAVOX**

Model No. REM-100  
Order No. SE-7778

3 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR & CABLE

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Large Size Key Pad Buttons  
Auto & Manual Device Code Set



GLOW KEYS

**MAGNAVOX**

Model No. REM-240  
Order No. SE-7775

4 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR, CABLE & AUX.

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Night Glow Key Pad  
Large Size Key Pad Buttons  
Auto & manual Device Code Set



PIP

**MITSUBISHI**

Model No.  
290P080-A50  
Order No. SE-7776

4 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR, DVD & AUDIO.

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Picture In Picture Function  
Auto & manual Device Code Set



**PRIMESTAR**

Order No. SE-7770

4 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR, AUX. & SAT.

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Programmable Favorite Channels  
Auto & Manual Device Code Set



**SONY**

Model No. RM-Y146  
Order No. SE-7772

SONY TV  
REMOTE CONTROL

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button



**SONY**

Model No. RM-SC100F  
Order No. SE-7773

4 DEVICE SONY AUDIO SYSTEM  
REMOTE CONTROL  
TUNER, CD, 2 TAPE DECKS

Features:  
Sleep Timer Function  
Mute Button  
Repeat Function  
Loop Function



GLOW KEYS

**RCA**

Model No. RC4GL  
Order No. SE-7771

4 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR, CABLE & AUX.

Features:  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Night Glow Buttons



5 DEVICE

**RCA**

Model No. CRK9381  
Order No. SE-7774

5 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR, DVD,  
CABLE & AUX.

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Auto & Manual Device Code Set



**G.I.**

General Instruments  
XRC-110  
Order No. SE-7777

4 DEVICE UNIVERSAL  
REMOTE CONTROL  
TV, VCR, CABLE & AUX.

Features:  
Menu Button  
Sleep Timer Function  
Last Channel Recall  
Mute Button  
Auto & Manual Device Code Set

Control Remoto

# HEADPHONES AUDIFONOS

## High Quality Economical & Professional Microphones

Headphones



**Order No.  
18-005**

100mW, 32 Ohms,  
20-18KHz, 100dB.  
3.5mm Plug  
100cm/40" Cord.



**Order No.  
18-010**

100mW, 32 Ohms,  
20-18KHz, 101dB.  
3.5mm, Stereo Plug  
108cm/42.5" Cord.



**Order No.  
18-015**

For Use with  
Multi Line  
Telephone System.

50mW, 150 Ohms,  
100-20KHz, 110dB.



**Order No.  
18-020**

Stylish design  
Back-Set with  
Microphone for  
Multimedia Devices.  
Volume Control

100mW, 32 Ohms,  
20-18KHz, 101dB  
3.5mm Stereo Plug,  
300cm/118" Cord.



**Order No.  
18-025**

Stereo Headphones  
Superior Sound and  
Quality

100mW, 32 Ohms,  
10-20KHz, 102dB.  
3.5mm Stereo Plug  
180cm/6" Cord



**Order No.  
18-030**

Stereo Headphones  
with Microphone

100mW, 32 Ohms,  
20-18KHz, 101dB.  
3.5mm Stereo Plug  
180cm/6" Cord.



**Order No.  
18-035**

100mW, 32 Ohms,  
20-20KHz, 100dB.  
3.5mm Stereo Plug  
150cm/5" Cord

New Ear Design for  
Comfortable Fit.  
Super Bass Sound



**Order No.  
18-040**

Compact Folding Design  
133mm Drivers for  
Resounding Bass

30mW, 32 Ohms,  
20-20KHz, 105dB.  
3.5mm Stereo Plug  
200cm/6.75" Cord.



**Order No.  
18-045**

High Quality Stereo  
Backset Design

50mW, 20 Ohms,  
20-20KHz, 108dB.  
3.5mm Stereo Plug  
120cm/4" Cord.



**Order No.  
18-050**

Stereo Dynamic  
Headphones with  
Volume Control.

100mW, 32 Ohms,  
20-20KHz, 105dB.  
3.5mm Stereo Plug  
180cm/6" Cord



**Order No.  
18-055**

**INFINITI**  
Digital High Quality  
Dynamic Headphones  
With Volume Control

100mW, 32 Ohms,  
20-20KHz, 105dB.  
3.5mm Stereo Plug  
240cm/8" Cord



**Order No.  
18-060**

Multimedia Headset  
with Microphone and  
Volume Control.

32 Ohms, 18-20KHz,  
105dB.  
3.5mm Stereo Plug  
215cm/7" Cord



**Order No.  
18-065**

Hi-Fi Stereo  
Headphones

200mW, 32 Ohms,  
16-22KHz, 102dB.  
3.5 & 6.33 mm  
Stereo Plug  
180cm/6" Cord



**Order No.  
18-070**

Dynamic Stereo  
Headphone.  
Superior Quality

600mW, 32 Ohms,  
18-22KHz, 102dB.  
3.5 mm Stereo Plug  
300cm/10" Cord



**Order No.  
18-075**

Dynamic Stereo  
Headphone.  
Superior Quality

600mW, 32 Ohms,  
18-22KHz, 102dB.  
3.5mm Stereo Plug  
300cm/10" Cord

Audifonos

# MICROPHONES

## MICROFONOS

### High Quality Economy and Professional Type Microphones

Microphones



**Order No.**  
**20-005 "Blue"**  
**20-010 "Black"**  
**20-015 "Red"**

Unidirectional  
 2.50 Meter shielded Cable  
 1/4" Mono Plug  
 Frequency: 100-10000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -76 dB +/- 3 dB  
 Diameter 55mm, Length 170mm  
 Weight 162 gr



**Order No.**  
**20-020**

Unidirectional Dynamic  
 4.65 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 100-10000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -75 dB +/- 3 dB  
 Diameter 55mm, Length 170mm  
 Weight 300 gr, Carrying Case



**Order No.**  
**20-025**

Unidirectional Dynamic  
 1.35 Meter Cable  
 Frequency: 100-9000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -80 dB +/- 3 dB  
 Diameter 50mm, Length 160mm  
 Weight 50 gr



**Order No.**  
**20-030**

Unidirectional Dynamic  
 4.65 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 100-12000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -73 dB +/- 3 dB  
 Diameter 55mm, Length 170mm  
 Weight 250 gr



**Order No.**  
**20-035**

Unidirectional Dynamic  
 3.43 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 80-13500 Hz  
 Impedance: 600 ohms  
 Sensitivity: -74 dB +/- 3 dB  
 Diameter 50mm, Length 170mm  
 Weight 300 gr



**Order No.**  
**20-040**

Unidirectional Dynamic  
 3.43 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 80-13500 Hz  
 Impedance: 600 ohms  
 Sensitivity: -74 dB +/- 3 dB  
 Diameter 50mm, Length 170mm  
 Weight 250 gr



**Order No.**  
**20-045**

Unidirectional Dynamic  
 3.0 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 60-15000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -75 dB +/- 3 dB  
 Diameter 50mm, Length 180mm  
 Weight 300 gr, Carrying Case



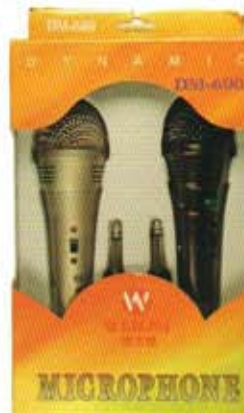
**Order No.**  
**20-050**

Unidirectional Dynamic Wireless  
 4.57 meter Cord Included  
 Wireless receiver, Antenna,  
 Frequency: 100-10000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -72 dB +/- 3 dB  
 Diameter 55mm, Length 170mm  
 Weight 300 gr, Carrying Case



**Order No.**  
**20-055**

Unidirectional Dynamic Double Pack  
 3.5 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 100-15000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -74 dB +/- 3 dB  
 Diameter 45mm, Length 160mm  
 Weight 176 gr Each



**Order No.**  
**20-060**

Unidirectional Dynamic Double Pack  
 3.50 Meter Cord Length  
 1/4" Mono Plug  
 Frequency: 100-15000 Hz  
 Impedance: 600 ohms  
 Sensitivity: -74 dB +/- 3 dB  
 Diameter 50mm, Length 170mm  
 Weight 176 gr Each

Microfonos

# MICROPHONES / MICROFONOS

Miscellaneous



**Order No.  
20-065**

Unidirectional Dynamic  
4.56 Meter Cord Length  
1/4" Mono Plug  
Frequency: 100-10000 Hz  
Impedence: 600 ohms  
Sensitivity: -74 dB +/- 3 dB  
Diameter 50mm, Length 170mm  
Weight 300 gr



**Order No.  
20-070**

Unidirectional Wireless Dynamic  
3.82 Meter Cord & Batteries Included  
Frequency: 100-10000 Hz  
Impedence: 500 Ohms  
Sensitivity: -72 dB  
Weight 300 gr



**Order No.  
20-075**

Unidirectional Dynamic  
2.9 Meter Cord  
Frequency: 100-10000 Hz  
Impedence: 600 Ohms  
Sensitivity: -74 dB  
Weight 176 gr

## MISCELANEOUS



RCA F-Connector  
Replaces:  
RCA #215543

**ORDER No.  
SE-7755**



Can be used with any Flyback  
Powered Filament.  
Fits all 11" to 36" Monitors.

Screen Brightner  
Universal CRT/TV  
Isolation  
Booster / Brightner

**ORDER NO.  
60-005**

**Model No.  
SDR-2-ISO**



PVC Electrical  
Tape. Black  
0.13mm Thickness  
19mm Width  
18.3 mts Length

**ORDER NO.  
42-005**

## STYLUS / CARTRIDGE



Standard  
Mount

**ORDER NO.  
55-005  
Model No.  
AT3600**



Most Popular  
P-Mount  
Cartridge

**ORDER NO.  
55-010  
Model No.  
AT3742P**



Cartridge with  
needle  
P-Mount  
w/Adapter

**ORDER NO.  
55-015  
Model No.  
2002**



**ORDER NO.  
55-020  
Model No.  
6006**

## POWER SUPPLY STRIPS

**ORDER NO.  
10-014**



4 Outlet Strip  
Surge Protector  
125V, 60Hz, 15A  
3.3' / 1.0m Cord

**ORDER NO.  
10-015**



6 Outlet Strip  
Surge Protector  
125V, 60Hz, 15A  
3.3' / 1.0m Cord  
Safety Covers

**ORDER NO.  
10-016**



6 Outlet Strip  
Surge Protector  
125V, 60Hz, 15A  
3.3' / 1.0m Cord

**ORDER NO.  
10-017**



6 Outlet Strip  
Surge Protector  
125V, 60Hz, 15A  
3.3' / 1.0m Cord  
Voltage Meter

**ORDER NO.  
10-020**



6 Outlet Strip  
Surge Protector  
125V, 60Hz, 15A  
3.3' / 1.0m Cord  
Safety Covers

Miscellaneous

# UNIVERSAL AC/DC ADAPTERS

Power Units



**ORDER NO.  
10-025**

500mA, 5W  
6 Voltage Selections  
110/220V 50/60Hz  
Polarity Switch  
Walkman Plug  
Led Indicator



**ORDER NO.  
10-030**

1000mA, 5W  
6 Voltage Selections  
110/220V 50/60Hz  
Polarity Switch  
Walkman Plug  
Led Indicator



**ORDER NO.  
26-005**

AC Power Plug,  
2 Pins To 3 Pins

## POWER CORDS



**ORDER NO.  
26-010**

Universal Cord  
2.0 Meters / 6.67' Long



**ORDER NO.  
26-031**

Universal Type  
2.5 Meters / 8.3' Long

**ORDER NO.  
26-030**

Universal Type  
1.8 Meters / 6.0' Long



**ORDER NO.  
26-015**

Panasonic Type  
2.0 Meters / 6.67' Long



**ORDER NO.  
10-005**

Fuse Holder  
For 5X20 mm

**ORDER NO.  
10-006**

Fuse Holder  
For 6X30 mm



**ORDER NO.  
26-025**

Sony Type  
2.0 Meters / 6.67' Long



**ORDER NO.  
10-035**

Fuse Holder 6X30  
American Type

**ORDER NO.  
10-036**

Fuse Holder 5x20  
European Type

## BATTERY CHARGERS

## FUSES



**ORDER NO.  
10-055**

Designed for charging  
AA, AAA & 9V NiCd Batteries  
1-4 Pieces AA or AAA or  
1 9V Can be Charged at the  
Same Time.  
Polarity Reverse Protection  
LED Indicator  
Charges AA or AAA in 5 Hours  
Charges 9V in 14-16 Hours

### AMERICAN STANDARD 3 cm Long Fuses

| ORDER # | AMP. | ORDER # | AMP. |
|---------|------|---------|------|
| 10-500  | 0.5  | 10-510  | 7.0  |
| 10-501  | 0.75 | 10-511  | 7.5  |
| 10-502  | 1.0  | 10-512  | 8.0  |
| 10-503  | 1.5  | 10-513  | 9.0  |
| 10-504  | 2.0  | 10-514  | 10.0 |
| 10-505  | 2.5  | 10-515  | 15.0 |
| 10-506  | 3.0  | 10-516  | 20.0 |
| 10-507  | 4.0  | 10-517  | 25.0 |
| 10-508  | 5.0  | 10-518  | 30.0 |
| 10-509  | 6.0  |         |      |



6 X 30 mm

### EUROPEAN STANDARD 2 cm Long Fuses

| ORDER # | AMP. | ORDER # | AMP. |
|---------|------|---------|------|
| 10-550  | 1.0  | 10-555  | 4.0  |
| 10-551  | 1.6  | 10-556  | 5.0  |
| 10-552  | 2.0  | 10-557  | 6.0  |
| 10-553  | 2.5  | 10-558  | 10.0 |
| 10-554  | 3.0  |         |      |



5 X 20 mm

### CERAMIC FUSES 3 cm Long Fuses

| ORDER # | AMP. | ORDER # | AMP. |
|---------|------|---------|------|
| 10-600  | 10.0 | 10-601  | 15.0 |
| 10-602  | 20.0 |         |      |



6 X 30 mm



**ORDER NO.  
10-060**

Designed for charging  
AA, AAA, C, D & 9V NiCd  
Batteries.  
2 or 4 AA, AAA, C, D or  
1-2 9V Size Batteries can be  
Charged at same time.  
LED Indicator  
Polarity Reverse Protection  
Charges AA, AAA, C & D in 6 Hours  
Charges 9V in 14-16 Hours

Energia

# PANEL METERS



**ORDER NO. 10-065**

Current Meter  
Range 0-30 Amps



**ORDER NO. 10-070**

AC Voltage Meter  
Range 0-300V



**ORDER NO. 10-075**

DC Voltage Meter  
Range 0-15V



**ORDER NO. 10-010**

Fusible Car Adapter  
2.1mm Plug, 1.8 mts Length



**ORDER NO. IR-2**

EMITTER  
1 3/4" Tall  
5 mm Thickness

Replaces:  
NAP 483513087139  
FUNAI QP05SLR938CV  
SYMPHONIC SLR938CV7  
& Others



**ORDER NO. IR-5**

DETECTOR  
1.00" Tall  
3 mm Thickness

Replaces:  
NAP 483513048076  
FUNAI QP4BOST316R2  
SYMPHONIC ST31R2B  
& Others



**ORDER NO. 28-010**

Universal Test Leads  
For Multimeters with  
Banana Plug

## TEST LEADS



**ORDER NO. 10-040** 3.3 cm, 3 A. Alligator Clip  
**ORDER NO. 10-041** 5.0 cm, Alligator Clip  
**ORDER NO. 10-042** 6.0 cm, 10 A. Alligator Clip



**ORDER NO. 10-045**

10 Leads, 3.3 cms  
3 Amp., 28 Gauge,  
33 cm Long.

**ORDER NO. 10-050**

5 Leads, 6.0 cms  
10 Amp., 26 Gauge,  
50 cm Long.

## NEON LAMP 117VAC

### NEON ENCAPSULADO 117Vca

| TYPE<br>TIPO      | COLOR<br>COLOR    | ORDER<br>NO. |
|-------------------|-------------------|--------------|
| ROUND / REDONDO   | ORANGE / AMARILLO | 38-010       |
| ROUND / REDONDO   | RED / ROJO        | 38-011       |
| ROUND / REDONDO   | GREEN / VERDE     | 38-012       |
| SQUARE / CUADRADO | ORANGE / AMARILLO | 38-015       |
| SQUARE / CUADRADO | RED / ROJO        | 38-016       |
| SQUARE / CUADRADO | GREEN / VERDE     | 38-017       |



Miniature Lead Lamp  
12V, 100mA, 5000hrs

**ORDER NO. 38-005**

20L X 3D mm

**ORDER NO. 38-006**

20L mm X 4D mm

## BRUSHLESS COOLING FANS / VENTILADORES

| PART NO. | DESCRIPTION   |
|----------|---|
| 14-005   | Plastic, 12VCD, 0.12Amp,<br>4" Size, (80X80X25mm)   |
| 14-010   | Metal, 115VCA, 0.15Amp,<br>4" Size, (80X80X38mm)    |
| 14-015   | Plastic, 12VCD, 0.22Amp,<br>6" Size, (120X120X25mm) |
| 14-020   | Metal, 115VCA, 0.21Amp,<br>6" Size, (120X120X38mm)  |
| 14-025   | Metal, 115VCA, 0.12Amp,<br>6" Size, (120X120X25mm)  |

14-005



14-010



14-015



14-020



14-025



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EMAIL ADDRESS : SIERRATRON@AOL.COM

Product Availability & Pricing May Change Without Prior Notice

Ventiladores, Foco Y Caimanes

Fans, Lamps & Testing Tools



# SOLDERING TOOLS

## HERRAMIENTAS PARA SOLDAR

Soldering Tools

| PART NO. | DESCRIPTION   | DESCRIPCION  |
|----------|---|--|
| 16-005   | General Purpose Soldering Iron. 127VAC, 30W, Temp. 360°C.   | Cautin Tipo Lapiz. 127Vca, 30W, Temp. 360°C.   |
| 16-010   | Professional Soldering Iron. Hi-Performance, Extra Long Life. 127VAC, 40W, Temp. 360°C.   | Cautin profesional, Tipo Lapiz, Alta Potencia, 127Vca, 40W, Temp. 40°C.  |
| 16-015   | Professional Soldering Gun. Heavy Duty, Extra Long Life Tip, Built-in Spot Light, Instant Heat, 127VAC, 100W.   | Cautin Tipo Pistola, Profesional, Ultra Potencia, 127Vca, 100W.  |
| 16-020   | HAKKO PROFESSIONAL Soldering Station. Temperature Controlled, Compact Design incorporates a Ceramic Heating Element with a 30 Sec. Warm-Up Time. Accommodates Medium or Large Iron, Wide Range of Replacement Tips Available, Adjustable Temperature Dial with Lock, Super Quick Heat.<br><br>Output Voltage : 24VAC<br>Power Consumption : 60W<br>Temp.: 200°C-480°C<br>Temp.: 392°F-896°F | HAKKO Estacion Profesional Para Soldar. Temperatura Controlada Automatica. Diseno Compacto, Incorpora Un Elemento De Ceramico En 30 Segundo.<br><br>Voltage : 24VAC<br>Power Consumption : 60W<br>Temp.: 200°C-480°C<br>Temp.: 392°F-896°F |
| 16-110   | Desoldering Pump. High Suction Power  | Desoldador De Aire, Chico Con Punta Reemplazable.  |
| 16-115   | Big Sucker Desoldering Tool. High Vacuum Force, 13", 33cm Extended Length.  | Desoldador De Aire, Grande Con Punta Reemplazable. Extiende a 13", 33cm.   |
| 16-050   | Soldering Iron Stand with a Cleaning Sponge.  | Base Para Cautin, Tipo Lapiz, Sencilla.  |
| 16-105   | Solder Wick<br>"Desoldering Braid"<br>2mm X 1.52 mts., 0.08" X 5'   | Malla Desoldadora<br>2mm X 1.52mts, 0.08" X 5'   |
| 16-106   | Chem-Wik Lite Rosin<br>1/8" Thick, 25' Spool  | Malla Desoldadora<br>3mm X 7.62mts, 1/8" X 25'   |
| 16-107   | Chem-Wik Lite Rosin<br>1/8" Thick, 50' Spool  | Malla Desoldadora<br>3mm X 15.24mts, 1/8" X 50'  |
| 16-055   | Solder Tube<br>2.7mts., 1.0mm. (9', 0.039")   | Tubo Para Soldar<br>2.7mts, 1.0mm (9', 0.039")   |
| 16-060   | Solder Roll 200g, 1.0mm   | Rollo Para Soldar<br>200gr, 1.0mm  |
| 16-065   | Solder Roll 450g, 1.0mm   | Rollo Para Soldar<br>450gr, 1.0mm  |



### Professional Soldering Station



Herramientas Para Soldar

# TELEPHONE ACCESSORIES

## ACCESORIOS PARA TELEFONO

| PART NO. | DESCRIPTION                                    | DESCRIPCION                             |
|----------|--|---|
| 30-010   | 4 Contacts, 2 Jacks, 1 Plug, Modular T Adaptor | Adaptador 4 Contactos, 2 Jacks a 1 Plug |
| 30-011   | 8 Contacts, 2 Jacks, 1 Plug, Modular T Adaptor | Aaptador 8 Contactos, 2 Jacks a 1 Plug  |

| PART NO. | DESCRIPTION                                  | DESCRIPCION                        |
|----------|--|------------------------------------|
| 30-015   | 4 Contacts, 2 Jacks Inline Extension Coupler | Coples Para Extension, 4 Contactos |
| 30-016   | 6 Contacts, 2 Jacks Inline Extension Coupler | Coples Para Extension, 6 Contactos |
| 30-017   | 8 Contacts, 2 Jacks Inline Extension Coupler | Coples Para Extension, 8 Contactos |

| PART NO. | DESCRIPTION  | DESCRIPCION  |
|----------|--|--|
| 30-020   | 4 Contacts Gold Plated Modular Plug for Flat Cable | Plug Modulares con 4 Contactos, Entrada para cable Plano |
| 30-021   | 6 Contacts Gold Plated Modular Plug for Flat Cable | Plug Modulares con 6 Contactos, Entrada para cable Plano |
| 30-022   | 8 Contacts Gold Plated Modular Plug for Flat Cable | Plug Modulares con 8 Contactos, Entrada para cable Plano |

| PART NO. | DESCRIPTION   | DESCRIPCION  |
|----------|---|--|
| 30-025   | 4 Contacts Gold Plated Modular Plug for Round Cable | Plug Modulares con 4 Contactos, Entrada para Cable redondo |
| 30-026   | 8 Contacts Gold Plated Modular Plug for Round Cable | Plug Modulares con 8 Contactos, Entrada para Cable redondo |

| PART NO. | DESCRIPTION                  | DESCRIPCION                |
|----------|------------------------------|----------------------------|
| 30-005   | 4 Contacts Modular Wall Jack | 4 Contactos Roseta Lateral |

| PART NO. | DESCRIPTION   | DESCRIPCION   |
|----------|---|---|
| 30-030   | 2.0mts, 79", 4 Contact Spiral Modular Extension Coil. Ivory | 2.0mts, 79", 4 Contactos Cable Espiral Plug-Plug. Marfil. |
| 30-031   | 2.0mts, 79", 4 Contact Spiral Modular Extension Coil. Black | 2.0mts, 79", 4 Contactos Cable Espiral Plug-Plug. Negro.  |
| 30-032   | 2.0mts, 79", 4 Contact Spiral Modular Extension Coil. White | 2.0mts, 79", 4 Contactos Cable Espiral Plug-Plug. Blanco. |
| 30-033   | 2.0mts, 79", 4 Contact Spiral Modular Extension Coil. Grey  | 2.0mts, 79", 4 Contactos Cable Espiral Plug-Plug. Gris.   |

| PART NO. | DESCRIPTION   | DESCRIPCION   |
|----------|---|---|
| 30-045   | 2.13mts, 7', RJ-11 Plug-Plug Modular Line Cable. Ivory  | 2.13mts, 7', RJ-11 Cable Modular Plug-Plug. Marfil  |
| 30-046   | 2.13mts, 7', RJ-11 Plug-Plug Modular Line Cable. Black  | 2.13mts, 7', RJ-11 Cable Modular Plug-Plug. Negro   |
| 30-047   | 4.57mts, 15', RJ-11 Plug-Plug Modular Line Cable. Ivory | 4.57mts, 15', RJ-11 Cable Modular Plug-Plug. Marfil |
| 30-048   | 4.57mts, 15', RJ-11 Plug-Plug Modular Line Cable. Black | 4.57mts, 15', RJ-11 Cable Modular Plug-Plug. Negro  |

| PART NO. | DESCRIPTION  | DESCRIPCION  |
|----------|--|--|
| 30-100   | Caller ID Display By Southern Bell with Call Light Display, Keeps Call Records, Date & Time. | Identificador De Llamas Con Display. Hecho Por Southern Bell. Mantiene Records De Llamadas Fecha Y Hora. |



### CALLER ID DISPLAY



# SWITCHES

## Rocker / Deslizables

Part Number: 34-005



Mini Switch, Black, 2 Pin, SPST, 6/10A, 125V/250V.  
25 (L) X 15 (W) X 24 (H) mm.  
Miniatura, 1 Polo, 1 Tiro, Negro, 6/10 Amp, 125/250V.  
25 (L) X 15 (A) X 24 (H) mm.

## Rocker / Deslizables

Part Number: 34-010



Standard Size Switch, Black, 2 Pin, SPST, 6/10A, 125V/250V.  
32 (L) X 15 (W) X 32 (H) mm.  
Standard Tipo Regulador Negro, 1 Polo, 1 Tiro, 6/10 Amp, 125V/250V.  
32 (L) X 15 (A) X 32 (H) mm.

## Rocker / Deslizables

Part Number: 34-015



Standard Size Switch, Black, 2 Pin, SPST, with Reset.  
15A, 125/250V. 32 (L) X 15 (W) X 34 (H) mm.  
Standard Tipo Regulador Negro . Reset.  
1 Polo, 1 Tiro, 15 Amp, 125/250V. 32 (L) X 15 (A) X 34 (H) mm.

## Rocker / Deslizables

Part Number: 34-020



Mini Size Switch, Black with Lamp, 4 Pin, DPDT, 6/13A,  
125/250V. 21 (L) X 15 (W) X 25 (H) mm.  
Miniatura Negro Con Piloto Rojo., 2 Polo, 2 Tiro, 6/10 Amp,  
125V/250V. 21 (L) X 15 (A) X 25 (H) mm.

## Rocker / Deslizables

Part Number: 34-025



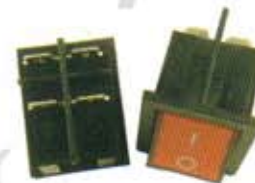
Standard Size Switch, Black with Lamp, 4 Pin, DPDT,  
6/10A, 125/250V. 21 (L) X 24 (W) X 23 (H) mm.  
Standard Tipo Regulador Negro Con Piloto Rojo.  
2 Polo, 2 Tiro, 6/10 Amp, 125/250V. 21 (L) X 24 (A) X 23 (H) mm.

Part Number: 34-026

Same as 34-025, No Lamp.

## Rocker / Deslizables

Part Number: 34-030



Black 4 Pin, DPDT, 16A, 125/250V  
33 (L) X 25 (W) X 32 (H) mm.  
Negro, 2 Polo, 2 Tiro, 16 Amp, 125V/250V.  
33 (L) X 25 (A) X 32 (H) mm.

Part Number: 34-031

Same as 34-030 with Lamp

## Push Switches

Part Number: 34-205

Mini Size, 1A, 125V, Normally Open (Red)  
Miniatura 1 Amp, 125V, Normalmente Abierto, Rojo.



Part Number: 34-206

Mini Size, 1A, 125V, Normally Closed (Black)  
Miniatura 1 Amp, 125V, Normalmente Cerrado (Negro).

## Push Switches

Part Number: 34-210

3A, 125V, Round Button  
Switch boton Redondo, 3Amp, 125V.



Part Number: 34-215

3A, 125V, Square Button  
Swith Boton Cuadrado, 3 Amp, 125V

## Push Switches

Part Number: 34-220

6 Pin, DPDT, 1A, 25VDC, 0.5A, 100-250VAC.  
6 Contactos, 2 Polos, 2 tiros,  
1Amp, 25VCD, 0.5Amp, 100-250VCA..



Part Number: 34-221

12 Pin, DPDT, 1A, 25VDC, 0.5A, 100-250VAC.  
12 Contactos, 2 Polos, 2 tiros,  
1Amp, 25VCD, 0.5Amp, 100-250VCA..

## Push Switches

Part Number: 34-225

Micro Switch, 50mA, 12V  
Micro Switch, 50mA, 12V



# SWITCHES

## Toggle / Palanca

Part Number: 34-100



2 Positions, SPST, 15A. "On-Off"  
2 Posiciones, 1 Polo, 1 Tiro, 15Amp. "Si-No"

## Toggle / Palanca

Part Number: 34-105



3 Positions, SPDT, 15A. "On-Off-On"  
3 Posiciones, 1 Polo, 2 Tiro, 15Amp. "Si-No-Si"

## Toggle / palanca

Part Number: 34-110



2 Positions, SPDT, 15A. "On-On"  
2 Posiciones, 1 Polo, 2 Tiro, 15Amp. "Si-Si"

## Toggle / Palanca

Part Number: 34-115



2 Positions, DPST, 15A. "On-Off"  
2 Posiciones, 2 Polo, 1 Tiro, 15Amp. "Si-No"

## Toggle / Palanca

Part Number: 34-120



3 Positions, DPDT, 15A. "On-Off-On"  
3 Posiciones, 2 Polo, 2 Tiro, 15Amp. "Si-No-Si"

## Toggle / Palanca

Part Number: 34-125



2 Positions, DPDT, 15A. "On-On"  
2 Posiciones, 2 Polo, 2 Tiro, 15Amp. "Si-Si"

## Toggle / Palanca

Part Number: 34-130



Miniature, 2 Positions, SPDT, 5A. "On-Off"  
Miniatura, 2 Posiciones, 1 Polo, 2 Tiro, 5Amp. "Si-No"

## Toggle / Palanca

Part Number: 34-135



Miniature, 3 Positions, SPDT, 5A. "On-Off-On"  
Miniatura, 3 Posiciones, 1 Polo, 2 Tiro, 5Amp. "Si-No-Si"

## Toggle / Palanca

Part Number: 34-140



Miniature, 2 Positions, DPDT, 5A. "On-Off"  
Miniatura, 2 Posiciones, 2 Polo, 2 Tiro, 5Amp. "Si-No"

## Toggle / Palanca

Part Number: 34-145



Miniature, 3 Positions, DPDT, 5A. "On-Off-On"  
Miniatura, 3 Posiciones, 2 Polo, 2 Tiro, 5Amp. "Si-No-Si"

# AUDIO PLUGS

## 6.3mm / 1/4" Plugs

Part Number: 44-005

Plastic Mono Plug  
Macho Plug, Plastico Mono



## 6.3mm / 1/4" Plugs

Part Number: 44-015

Metal Mono Plug, Jumbo  
Macho Plug, Metalico Mono, Jumbo.



## 6.3mm / 1/4" Plugs

Part Number: 44-025

Plastic Stereo Plug  
Macho Plug, Plastico Stereo



## 6.3mm / 1/4" Plugs

Part Number: 44-010

Metal Mono Plug with Spring  
Macho Plug, Metalico Mono, Con Resorte



## 6.3mm / 1/4" Plugs

Part Number: 44-020

Metal Mono Jumbo Plug  
Macho Plug, Metalico Mono



## 6.3mm / 1/4" Plugs

Part Number: 44-030

Metal Stereo Plug with Spring  
Macho Plug, Metalico Stereo con Resorte



## 3.5mm / 1/8" Plugs

Part Number: 44-035

Plastic Mono Plug  
Macho Plug, Plastico Mono



## 3.5mm / 1/8" Plugs

Part Number: 44-040

Plastic Stereo Plug  
Macho Plug, Plastico Stereo



## 3.5mm / 1/8" Plugs

Metal Plug / Macho Plug, Metalico

Part Number: 44-045 Mono  
Part Number: 44-046 Mono Shielded / Con Resorte  
Part Number: 44-050 Stereo



## 2.5mm / 1/11" Plugs

Part Number: 44-055

Plastic Mono Plug  
Macho Plug, Plastico Mono



## RCA Plugs

RCA Plastic Plug / Macho Plug, RCA Plastico

Part Number: 44-060 Black (Negro)  
Part Number: 44-061 Red (Rojo)



## RCA Plugs

RCA Plug with Spring / Macho Plug, RCA, Con Resorte  
Part Number: 44-065 "Gold Plated Black" / "Oro Negro"  
Part Number: 44-066 "Gold Plated Red" / "Oro Rojo"  
Part Number: 44-067 "Metal Black" / "Metalico Negro"  
Part Number: 44-068 "Metal Red" / "Metalico Rojo"



## RCA Plugs

RCA High Quality Plug / Macho Plug, RCA, Premium  
Part Number: 44-070 "Black / Negro" Gold/Oro  
Part Number: 44-071 "Red / Rojo" Gold/Oro  
Part Number: 44-072 "Black / Negro" Nickel/Metalico  
Part Number: 44-073 "Red / Rojo" Nickel/Metalico

Premium



## DC Plugs / Invertidos

Part Number: 44-075 0.70mm  
Part Number: 44-076 1.70mm  
Part Number: 44-077 2.50mm



## DC Plugs / Invertidos

Part Number: 44-085 1.30mm  
Part Number: 44-086 2.10mm  
Part Number: 44-087 2.50mm



## Banana Plugs

Part Number: 44-090 Black (Negro)  
Part Number: 44-091 Red (Rojo)



## Banana Plugs

Part Number: 44-095 Black (Negro)  
Part Number: 44-096 Red (Rojo)



## Cannon Plugs

Part Number: 44-100

Male Extension Plug  
Macho Plug Para Extension



# AUDIO JACKS & ADAPTERS

Audio Jacks & Adapters

## 6.3mm / 1/4" Jacks

### CHASSIS JACKS

### DESNUDOS PARA CHASSIS

- Part Number: 48-005 2 Terminal, Open Circuit, Mono. 2 Terminales, Circuito Abierto, Mono.
- Part Number: 48-006 3 Terminal, Closed Circuit, Mono. 3 Terminales, Circuito Cerrado, Mono.
- Part Number: 48-007 3 Terminal, Open Circuit, Stereo. 3 Terminales, Circuito Abierto, Stereo.
- Part Number: 48-008 4 Terminal, Closed Circuit, Stereo. 4 Terminales, Circuito Cerrado, Stereo.



## 6.3mm / 1/4" Jacks

### Encapsulados Para Chasis

- Part Number: 48-010
- 2 Terminal, Open Circuit Mono
- 2 Terminales, Circuito Abierto, Mono



## 6.3mm / 1/4" Jacks

- Part Number: 48-015
- Plastic Mono Jack.
- Hembras Jack, Plastico Para Extension, Mono



## 6.3mm / 1/4" Jacks

- Part Number: 48-020
- Plastic Stereo Jack
- Hembras Jack, Plastico Para Extension, Stereo



## Banana Jacks

- 4 mm Hole
- Part Number: 48-025 Black / Negro
- Part Number: 48-026 Red / Rojo



## RCA Jacks

- Part Number: 48-030 Black / Negro
- Part Number: 48-031 Red / Rojo
- Rounded 1 pin Phone Jack
- Hembra Jack RCA, Redondo, Sencillo para Chasis, nal.



## RCA Jacks

- Part Number: 48-035
- 2 Pin Phone Jack
- MHembra Jack, RCA, Doble Para Chasis, nal.



## RCA Jacks

- Part Number: 48-040 Black / Negro
- Part Number: 48-041 Red / Rojo
- Double RCA Phone Jack, Plastic
- Hembra Jack, Doble RCA, Plastico



## 2.1mm / 1/12" Jacks

- Part Number: 48-045
- 2.1mm X 5.5mm DC Jack
- 2.1mm X 5.5mm Audio Invertido Para Chasis



## Binding Post W/Jack

- Part Number: 48-050 Black (Negro)
- Part Number: 48-051 Red (Rojo)



## Cannon Jacks

- Part Number: 48-055
- 3 Pin Microphone Extension Jack.
- Hembra para Extension para Microfono



## RCA Adapter

- Part Number: 46-005
- RCA Jack to RCA Jack



## Adapter

- Part Number: 46-010
- 6.3mm Mono Phone Plug to RCA Jack



## Adapter

- Part Number: 46-015
- RCA Plug to 6.3mm Mono Jack



## Adapter

- Part Number: 46-020
- 6.3mm Stereo Plug to 3.5mm RCA Jack



## Adapter

- Part Number: 46-025
- Double Banana Plugs, 2 Jacks, Screw Type,



## Adapter

- Part Number: 46-030
- 6.3mm RCA Mono Plug to Cannon 3 Pin Jack



Audio Jacks Y Adaptors

# COAXIAL CONNECTORS

Video Coaxial Connectors

Video Conectores Coaxiales

## F - Connectors

**Part Number: 52-005**  
Male RG-59 With 1/4" Ring Included  
*Macho Para RG-59 Con Campanita*



## F - Connectors

**Part Number: 52-010**  
Male RG-6 With 1/4" Ring Included  
*Macho Para RG-6 Con Campanita*



## F - Connectors

**Part Number: 52-015**  
1/4" Ring For F-Connector  
*Anillos Para Connector "F" Tipo.*



## F - Connectors

**Part Number: 52-020**  
Male RG-59 with 1/4" Crimp Ring Attached.  
*Macho Para RG-59 Con Anillo Integrado*



## F - Connectors

**Part Number: 52-025**  
Male RG-59 With 1/2" Crimp Ring Attached  
*Macho Para RG-59 Con Anillo Largo Integrado*  
**Part Number: 52-030**  
Same as 52-025 but for RG-6



## F - Connectors

**Part Number: 52-035**  
Male RG-6 With 1/2" Water Proof Crimp Ring Attached  
*Macho Para RG-6 Con Tuerca Sencilla Y Anillo Contra Agua*



## F - Connectors

**Part Number: 52-040**  
Male RG-6 With 1/2" Water Proof Crimp Ring  
*Macho Para RG-6 Con Tuerca Reforzada Y Anillo Contra Agua*



## F - Connectors

**Part Number: 52-045**  
Male RG-6 Twist On Type  
*Macho Para RG-6 De Enroscar*



## F - Connectors

**Part Number: 52-050**  
Male RG-59 Twist On Type  
*Macho Para RG-59 De Enroscar*



## F - Connectors

**Part Number: 52-055**  
Quick male, RG-59 with 1/4" Ring Included.  
*Macho Para RG-6 De Presion.*



## F - Connectors

**Part Number: 52-105**  
Female to Female for RG-59  
*Barril De Union Para RG-59 con Tuerca Redonda.*



## F - Connectors

**Part Number: 52-110**  
Female Bulkhead Chassis Mount  
*Hembra Para RG-59 De Chasis Con Tuerca Y Redonda*



## F - Connectors

**Part Number: 52-205**  
F Quick Male to F-Female  
*Hembra Rosca "F" a Macho Presion "F"*



## F - Adapters

**Part Number: 52-210**  
RCA Male To F-Female Adapter  
*Plug RCA a Hembra Rosca "F"*



## BNC Connectors

**Part Number: 52-305**  
BNC Male Crimp Type for RG-59 & RG-62  
*Macho De Apretar Para RG-59 Y RG-62*



## BNC Connectors

**Part Number: 52-310**  
T-Type, Double Female To Single Male  
*Un Macho Y Dos Hembras "T"*



## BNC Connectors

**Part Number: 52-315**  
Female To Female  
*Barril De Union Para Conectores BNC*



## BNC Terminators

**Part Number: 52-320**  
Male Terminator with Protective Chain  
*Terminacion Final Con Cadena Sujetadora*  
**Part Number: 52-325**  
Male Terminator 500 Ohms, 1/2 W.  
*Terminacion Final 500 Ohms, 1/2 W.*



# A/V CABLES & Accessories

A/V Cables & Accessories

## Audio Cables

2 RCA Jacks To 1 RCA Plug.  
2 Jacks RCA A Plug RCA. Cable Duplex.  
Part Number: 36-005 " 15 cms. "  
Part Number: 36-006 " 1.8 mts. "



## Audio Cables

2 RCA Plugs To 2 RCA Plugs.  
2 Plugs RCA A 2 Plugs RCA. Cable Duplex.  
Part Number: 36-015 " 90 cms "  
Part Number: 36-016 " 1.8 mts "  
Part Number: 36-017 " 3.6 mts "  
Part Number: 36-018 " 4.5 mts "  
Part Number: 36-019 " 7.6 mts "  
Part Number: 36-020 " 1.8 mts " Gold / Oro  
Part Number: 36-021 " 3.6 mts " Gold / Oro  
Part Number: 36-022 " 6.0 mts " Gold / Oro



## Audio Cables

Part Number: 36-025  
Cannon Jack To 6.35mm Mono cable. 6 mts..  
Jack Cannon A Plug 6.33mm, Mono. 6 mts.



## Audio / Video Cables

Part Number: 36-205 **Coaxial**  
3 RCA To 3 RCA Plug, RG-59. Gold Plated. 1.8 mts.  
3 Plug RCA A RCA RG-59 Cable Coaxial Stereo. Oro. 1.8 mts.



## Video Splitters

Indoor/Outdoor Splitters, 75 Ohm,  
5-900 MHz UHF/VHF/FM Bands. Metal.  
Divisores Para Uso Interior Y Exterior. Metalico.  
Ancho De Banda 5-900 MHz UHF/VHF/FM 75 Ohms.



Part Number: 32-005 "2 Way / 2 Salidas "  
Part Number: 32-010 "3 Way / 3 Salidas "  
Part Number: 32-015 "4 Way / 4 Salidas "



## Video Switches

2 In & 1 Out.  
75 Ohms. Metal.  
2 Entradas Y 1 salida de  
75 Ohms. Metalico



Part Number: 32-110

TV Computer Game Switch.  
75 & 300 Ohms Input,  
300 Ohms Output.  
Switch para Telejuegos, Entrada  
De Antena Para 75 Y 300 Ohms,  
Salida 300 Ohms.



Part Number: 32-115

TV Computer Game Switch.  
300 Ohms Input,  
300 Ohms Output.  
Switch para Telejuegos,  
Entrada De Antena Para  
300 Ohms, Salida 300 Ohms.

## Audio Cables

Part Number: 36-010  
2 RCA Plugs To 1 3.5mm Stereo Plug. 1.8 mts.  
2 Plugs RCA A Plug 3.5mm, Stereo Cable Duplex. 1.8mts.



## Audio Cables

2 RCA Plugs To 2 RCA Plugs. Gold Plated.  
High Quality. 6mm Cable Thickness.  
2 Plugs RCA A 2 Plugs RCA. Cable Duplex.  
Oro, Premium. 6mm Grueso.



**PREMIUM QUALITY**

Part Number: 36-030 " 1.8 mts "  
Part Number: 36-035 " 3.6 mts "



Part Number: 36-050 " 1.8 mts "  
Part Number: 36-055 " 3.6 mts "



Part Number: 36-070 " 1.8 mts "  
Part Number: 36-075 " 3.6 mts "



## Video Cables

F Plug To F-Plug RG-59. Screw-On Type.  
Conector Rosca A Rosca.

Part Number: 36-105 " 90 cms. "  
Part Number: 36-106 " 1.8 mts. "



## Video Cables

F Quick Plug To F-Quick Plug For RG-59  
Conector Presion A Presion Para RG-59.

Part Number: 36-120 " 90 cms. "  
Part Number: 36-121 " 1.8 mts. "  
Part Number: 36-122 " 3.6 mts. "



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Walnut, Ca 91789 U.S.A.

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TOLL FREE (800) 878-2197  
FAX (909) 468-2696

Product Availability & Pricing May Change Without Prior Notice

EMAIL ADDRESS : SIERRATRON@AOL.COM

Cables Para A/V Y Accesorios



# ANTENNAS / ANTENAS

## INDOOR T.V. ANTENNAS 300 ohms

| PART NO. | DESCRIPTION  | DESCRIPCION                                       |
|----------|--|---|
| SE-9010  | Panasonic Type, High Quality Dual Rod 5 Section, Metal Cap, 120cm, 48" Lead Wire | Tipo Panasonic, 5 Secciones, Extension 120cm, 48" |
| SE-9015  | 4 Section Indoor T.V. Antenna, VHF, Rabbit Ears, 90cm, 36" Lead Wire             | 4 Secciones, VHF, Extension 90cm, 36"             |
| SE-9016  | 4 Section Indoor T.V. Antenna, UHF / VHF, 90cm, 36" Lead Wire                    | 4 Secciones, UHF/VHF, Extension 90CM, 36"         |
| SE-9017  | 4 Section Indoor T.V. Antenna, Double UHF / VHF, 90cm, 36" Lead Wire             | 4 Secciones, Doble UHF/VHF, Extension 90cm, 36"   |



SE-9015



SE-9016



SE-9017



SE-9010

Antennas / Video Accessories

## SIGNAL BOOSTERS VIDEO BOOSTERS

5-900 MHz UHF/VHF/FM at 75 Ohms Broadband Signal Boosters

| PART NO. | DESCRIPTION                           | DESCRIPCION                                      |
|----------|---------------------------------------|--|
| 32-310   | 10dB, 1 Input & 1 Output              | Ganacia 25dB, De 1 Salida Cada Una               |
| 32-320   | 5dB, 1 Input & 4 Output               | Ganacia 5dB, De 4 Salida Cada Una                |
| 32-325   | 24dB, 1 Input & 1 Output              | Ganacia 24dB, De Una Salida Cada Una             |
| 32-330   | 20dB, 1 Input & 2 Output              | Ganacia 20dB, De 2 Salida Cada Una               |
| 32-380   | 75-300 Ohms, 28dB, 1 Input & 1 Output | Ganacia 28dB, 2 Piezas Con In Y Out 75-300 Ohms. |



Order No. 32-310



Order No. 32-320



Order No. 32-325



Order No. 32-330



Order No. 32-380

Antenas / Accesorios Para Video

## MATCHING TRANSFORMERS

5-900 MHz UHF/VHF/FM  
Indoor & Outdoor  
Matching Transformer.  
75 Ohms To 300 Ohms.

Transformadores De Impedancia Con Balun.  
5-900 MHz Banda UHF/VHF/FM De  
75 Ohms Y 300 Ohms  
Exterior Y Interior.

75 & 300 Ohms



Part Number: 32-215  
Indoor

Push-On Type



Part Number: 32-210  
Indoor

Part Number: 32-205  
Indoor



With 3.5 mm Mono Plug  
Con Plug De 3.5mm



Part Number: 32-220  
Indoor

Part Number: 32-250  
Outdoor



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