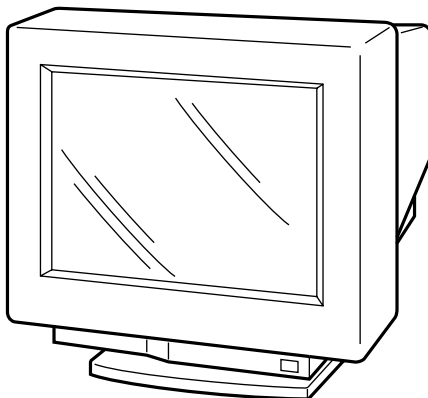


CPD-520GS/520GST/520GST9

SERVICE MANUAL

REVISED



CPD-520GS
US Model
Canadian Model
Chassis No. SCC-L04N-A

CPD-520GST
AEP Model
UK Model
Chassis No. SCC-L04N-A

CPD-520GST9
AEP Model
Chassis No. SCC-L04N-A

N3 CHASSIS

SPECIFICATIONS

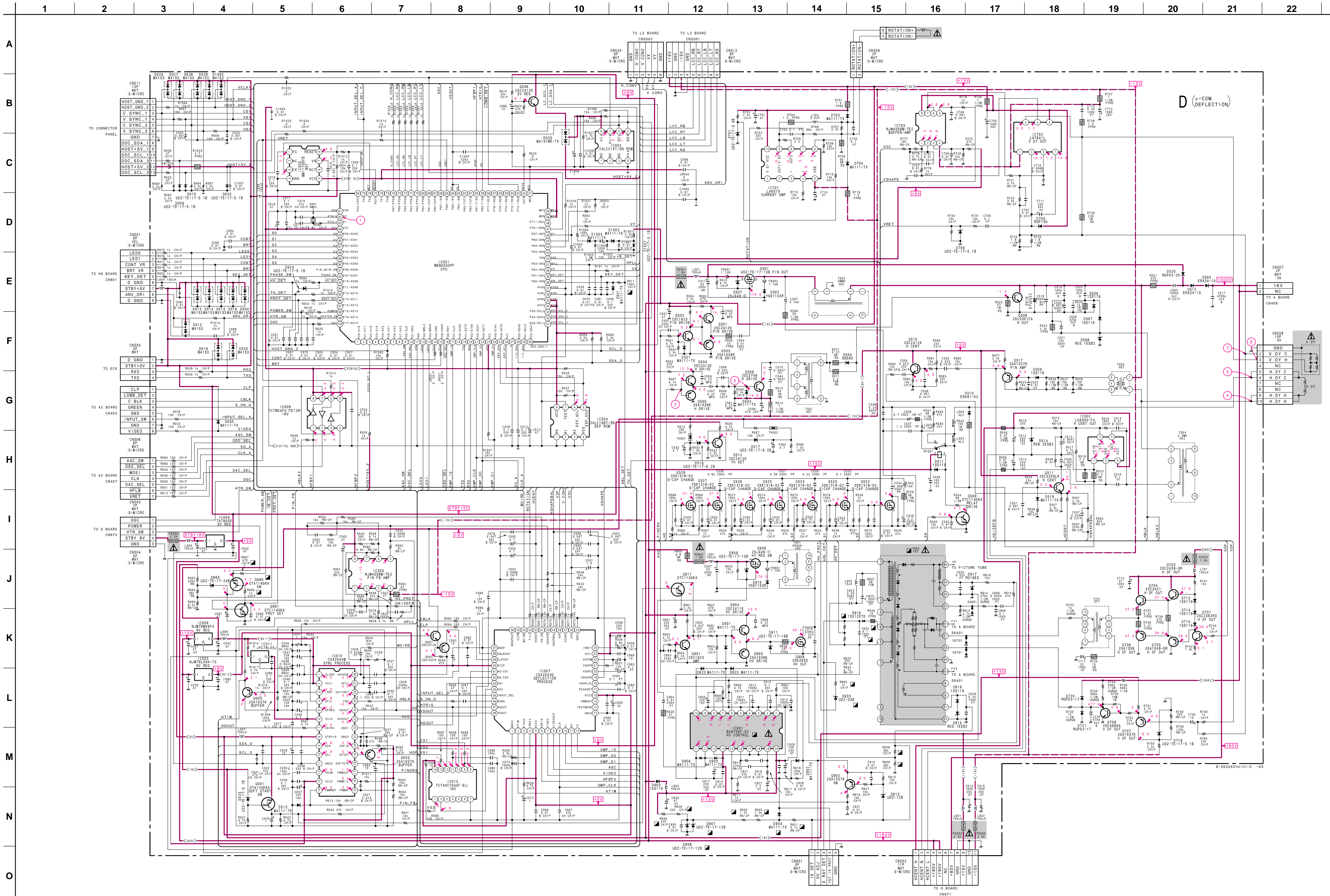
Picture tube	0.25 – 0.27 mm aperture grille pitch 21 inches measured diagonally 90-degree deflection
Viewable image size	Approx. 403.8 × 302.2 mm (w/h) (16 × 12 inches) 19.8" viewing image
Resolution	Horizontal: Max. 1600 dots Vertical: Max. 1200 lines
Standard image area	Approx. 388 × 291 mm (w/h) (15 ³ / ₈ × 11 ¹ / ₂ inches) or Approx. 364 × 291 mm (w/h) (14 ³ / ₈ × 11 ¹ / ₂ inches)
Deflection frequency	Horizontal: 30 to 96 kHz Vertical: 48 to 160 Hz
AC input voltage/current	100 to 240 V, 50 – 60 Hz, 2.0 – 1.0 A
Power consumption	Max. 160 W
Dimensions	498 × 505 × 474 mm (w/h/d) (19 ⁵ / ₈ × 20 × 18 ³ / ₄ inches)
Mass	Approx. 31 kg (68 lb 5 oz)
Supplied accessories	See page 6

Design and specifications are subject to change without notice.

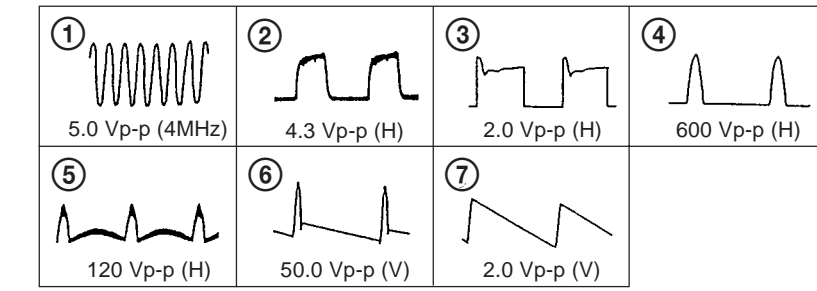
TRINITRON® COLOR COMPUTER DISPLAY

SONY®

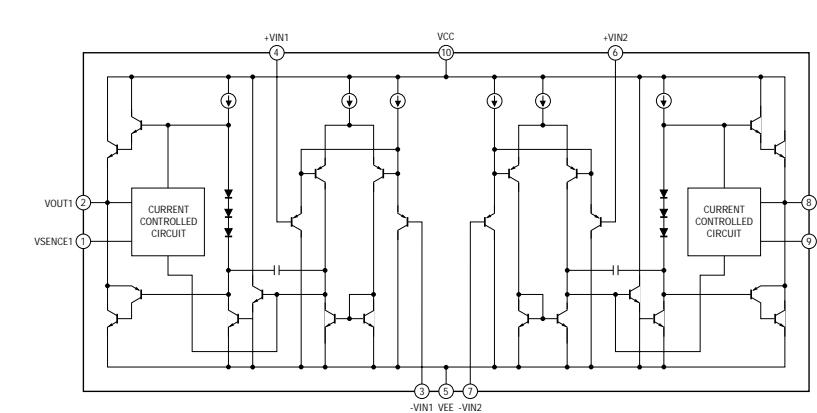




• D BOARD WAVEFORMS



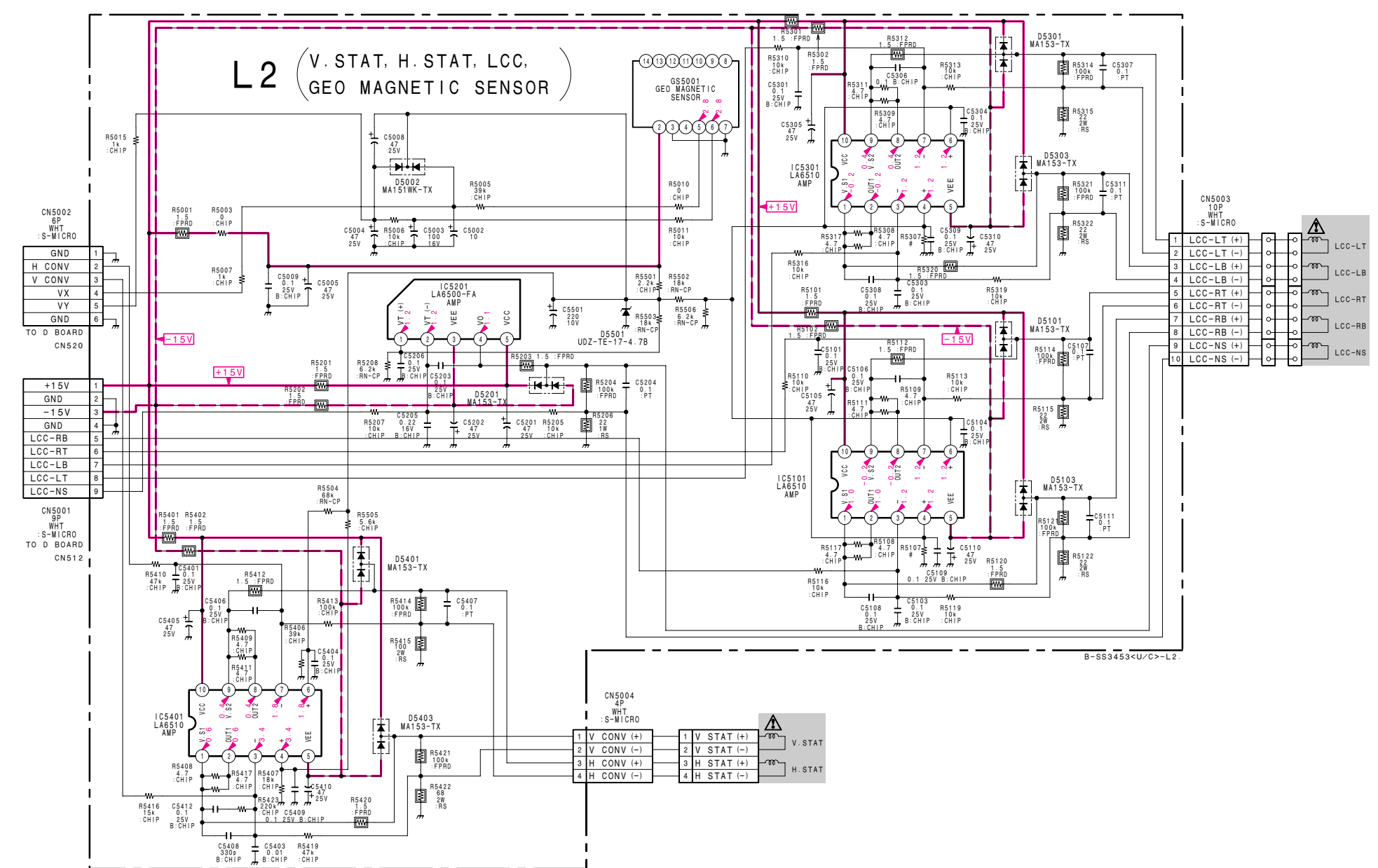
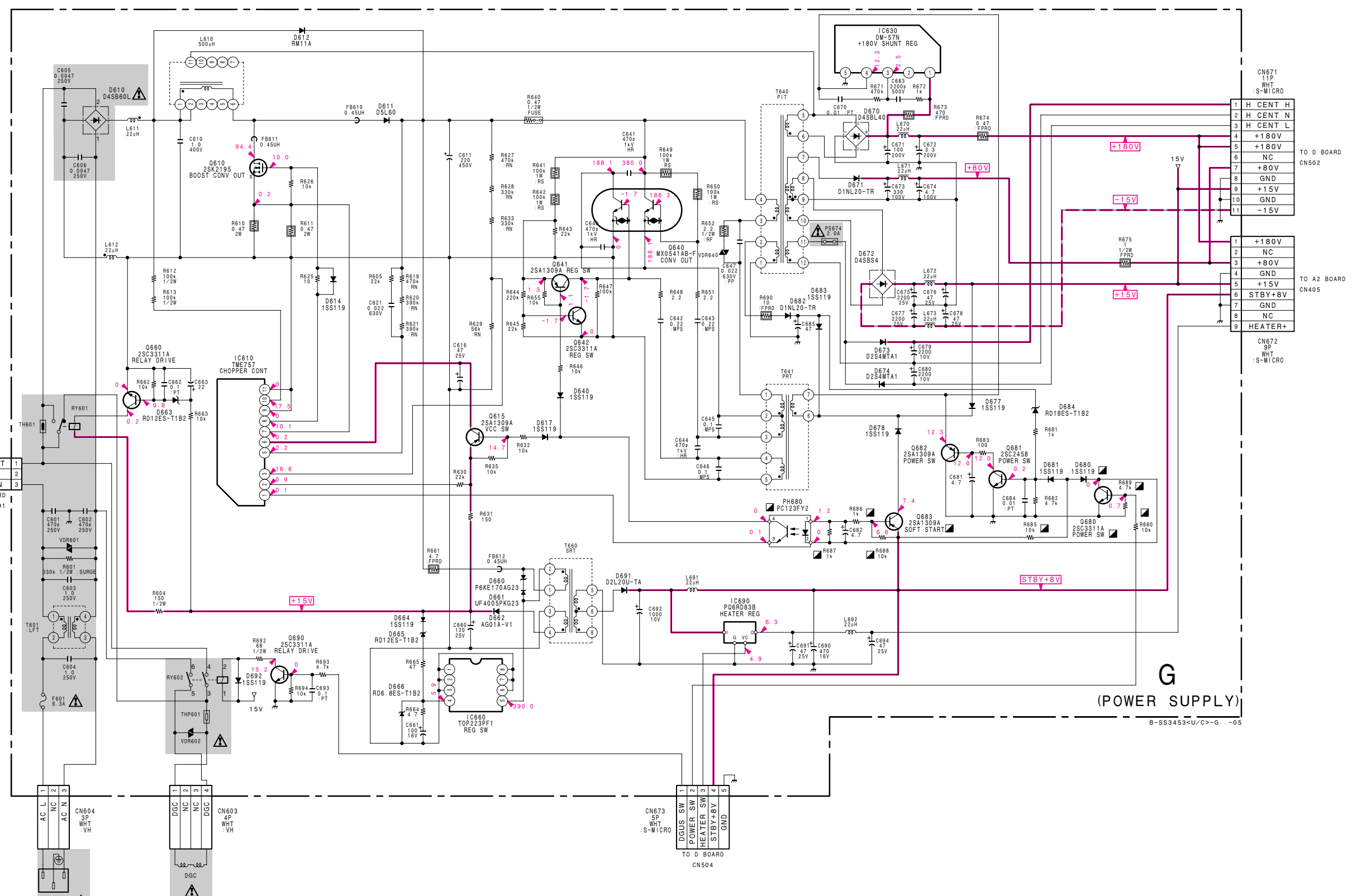
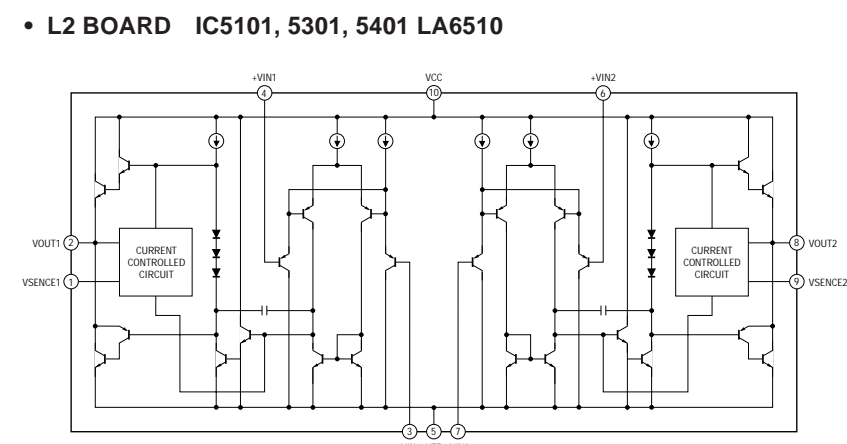
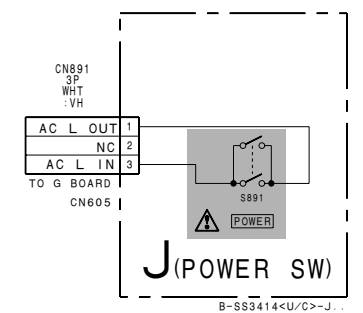
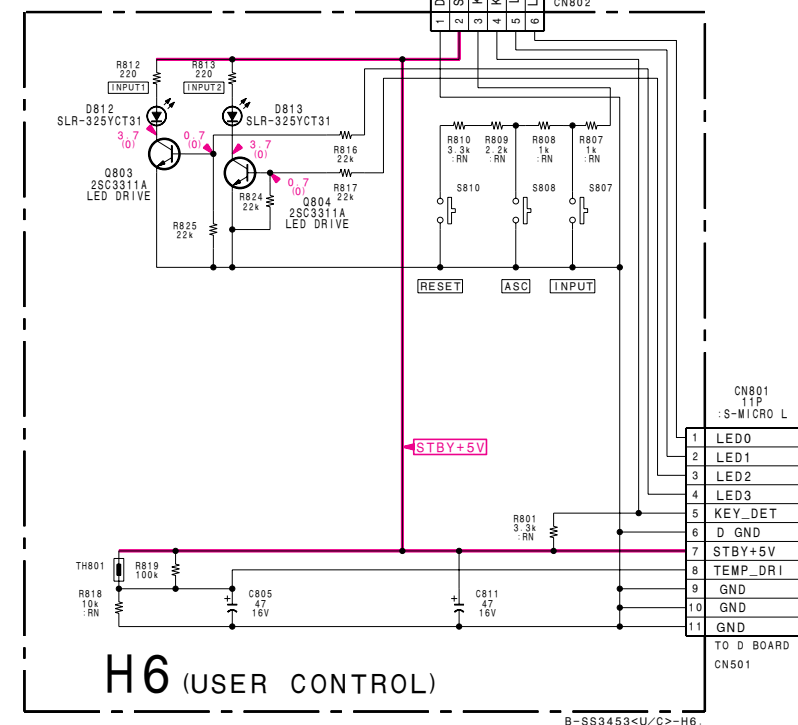
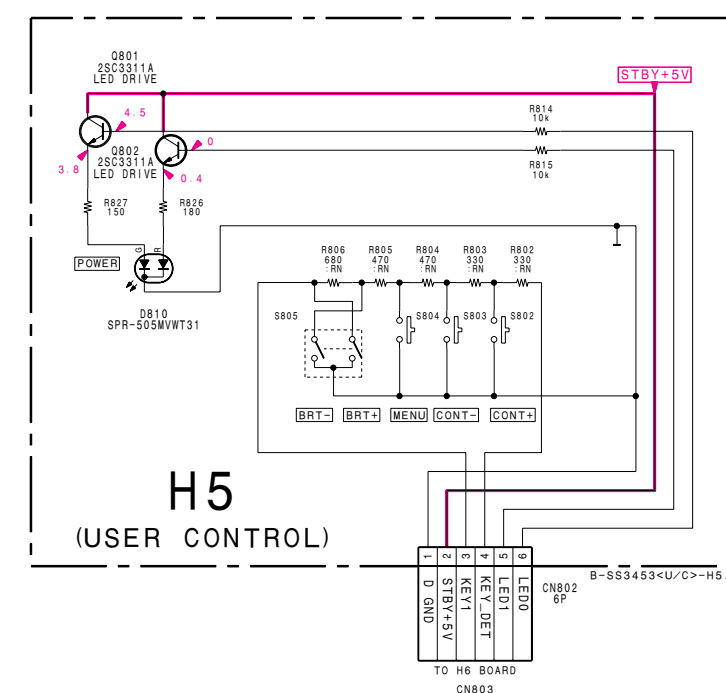
• D BOARD IC701 LA6510



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

A
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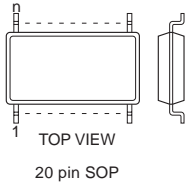
A
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O



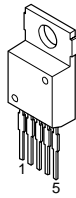
Schematic diagram
← board

5-5. SEMICONDUCTORS

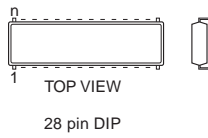
BA9756FS-E2
M62352GP-75E
M62352GP-75ED



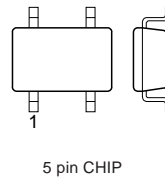
LA6500-FA



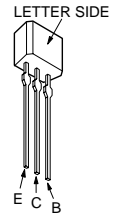
MM1383XD



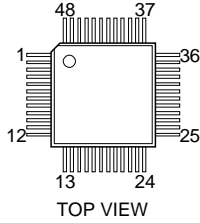
TC7W04FU
TC7W04FU (TE12R)



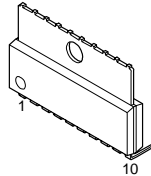
2SA1175-HFE
2SA1309A-QRSTA
2SC2784
2SC2785-HFE
2SC3311A-QRSTA



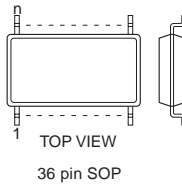
CXA2043Q



LA6510

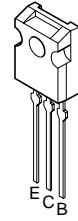


M52755FP-TP

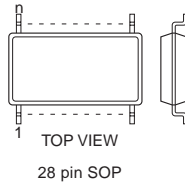


DTA114GKAT146
DTA124EKA-T146
DTC114GKA
DTC114GKAT146
DTC124EK
DTC124EKA-T146
2SA1036K-Q
2SA1036K-T-146-Q
2SA1037K-T-146-QR
2SA1462-Y33
2SA1738-TX
2SB709A-QRS-TX
2SC1623-L5L6
2SC2411K-CQ
2SC2411K-T-146-CQ
2SC2412K-T-146-QR

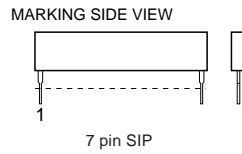
2SA1358-Y
2SC3421-Y



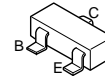
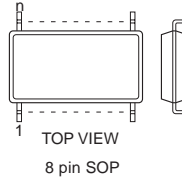
CXA2044M-T6
LSC4380DW2R2
LSC4380DW2AR2



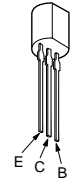
LA7841L



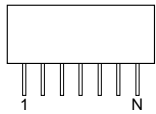
NJM4558M
 μ PC4558G2
24LC16BT/SN
24LC21AT/SN



2SC2362KG-AA

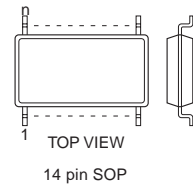


DM57N



MARKING SIDE VIEW
• pin N = 5
• Mt (one side, both side)

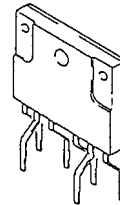
LM324M
LM324M-FL63
TC74HCT04AF



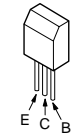
NJM78L05A
NJM78L09A-T3
TA78L05S
TA78L09S
 μ PC78L05J-TP



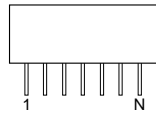
MX0541AB-F



2SC3209LK
2SC3209LK-TP

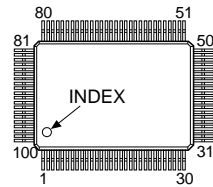


TME757

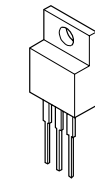


MARKING SIDE VIEW
• pin N = 11
• Mt (one side, both side)

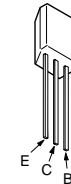
MB90553PF-G-124-BND



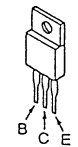
NJM78M09FA
NJM7812FA
TA7805S



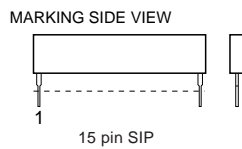
2SA1049-GR
2SC2458-YGR
2SC2459-GR



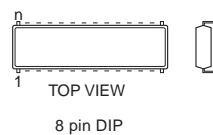
2SC3746
2SC4686A (LBSONY)
2SJ449
2SJ449 (1)
2SJ449 (2)



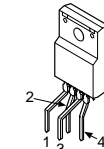
VPS13



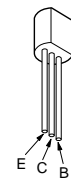
MM1170BFB
TOP223PFI



PQ6RD83B



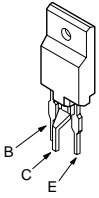
2SA1091-O
2SC2362K-G



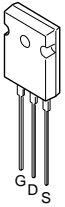
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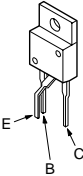
2SC5301-CA



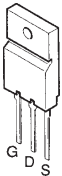
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2SK2098-01MR-F119



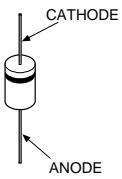
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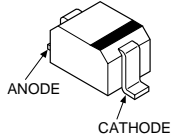
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2SK2675



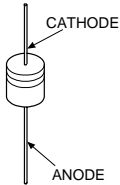
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S2LA20F



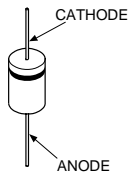
DTZ-TT11-16B
DTZ13B
DTZ24B
DTZ33B
DTZ4.7C
DTZ5.1B
MA111-TX
RD12SB2
RD5.6SB
UDZ-TE-17-12B
UDZ-TE-17-13B
UDZ-TE-17-16B
UDZ-TE-17-24B
UDZ-TE-17-33B
UDZ-TE-17-4.7B
UDZ-TE-17-5.1B
UDZ-TE-17-5.6B
UDZ-TE-17-6.2B



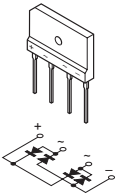
AG01A-V1
D1NL20-TR
GMA01-BT
RD12ES-B2
RD16ES-B2
RD16ES-B3
RD18ES-B2
RD5.1ES-B2
RD6.2ESB2
RD6.8ESB2
1SS119-25TD
1SS119-25
1SS120TD



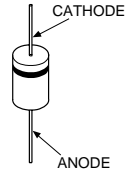
D2S4MF
D2S4MTA1



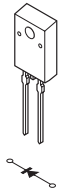
D4SBS4
D4SBS4-F
D4SBL40
D4SB60L



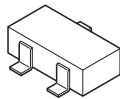
D2L20U
D2L20U-TA
EGP20G
ERA34-10TP1
P6KE170AG23
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RGP02-20EG23
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RGP15GPKG23
UF4005PKG23



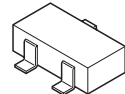
D5L60



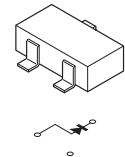
MA151WK-TX
1SS184



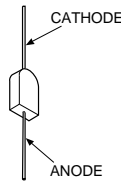
MA153-TX
1SS226



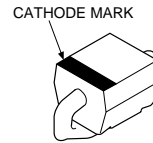
RD6.2M-B1



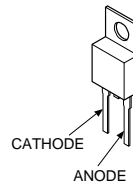
RM11A
RM11C



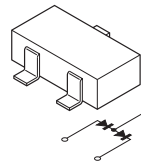
SB560



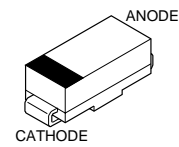
FMQ-G5FMS
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5TUZ52C



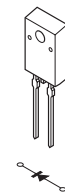
1PS226-115



1SS376TE-17



SLR-325YCT31



SPR-505MVWT31

