

DVD PLAYER DV-C6860

SERVICE MANUAL

For U model

IMPORTANT NOTICE

This manual has been provided for the use of authorized YAMAHA Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically YAMAHA Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components, and failure of the product to perform as specified. For these reasons, we advise all YAMAHA product owners that any service required should be performed by an authorized YAMAHA Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of YAMAHA are continually striving to improve YAMAHA products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and part replacement. Recheck all work before you apply power to the unit.

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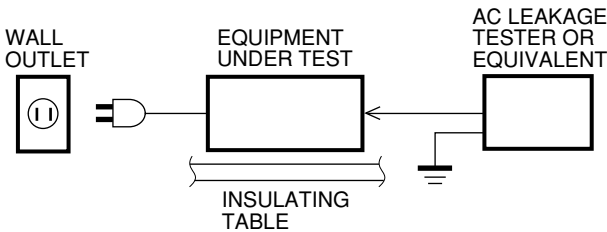


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This Service Manual uses recycled paper.



■ TO SERVICE PERSONNEL

- 1. Critical Components Information
Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
- 2. Leakage Current Measurement (For 120V Models Only)
When service has been completed, it is imperative to verify that all exposed conductive surfaces are properly insulated from supply circuits.
- Meter impedance should be equivalent to 1500 ohms shunted by 0.15µF.



- Leakage current must not exceed 0.5mA.
- Be sure to test for leakage with the AC plug in both polarities.

WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHATSOEVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.

WARNING: Laser Safety

This product contains a laser beam component. This component may emit invisible, as well as visible radiation, which may cause eye damage. To protect your eyes and skin from laser radiation, the following pre-cautions must be used during servicing of the unit.

- 1) When testing and/or repairing any component within the product, keep your eyes and skin more than 30 cm away from the laser pick-up unit at all times. Do not stare at the laser beam at any time.
- 2) Do not attempt to readjust, disassemble or repair the laser pick-up, unless noted elsewhere in this manual.
- 3) CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser Emitting conditions:

- 1) When the Top Cover is removed, and the STANDBY/ ON SW is turned to the "ON" position, the laser component will emit a beam for several seconds to detect if a disc is present. During this time (5–10 sec.) the laser may radiate through the lens of the laser pick-up unit. Do not attempt any servicing during this period! If no disc is detected, the laser will stop emitting the beam. When a disc is loaded, you will not be exposed to any laser emissions.
- 2) The laser power level can be adjusted with the VR on the pick-up PWB, however, this level has been set by the factory prior to shipping from the factory. Do not adjust this laser level control unless instruction is provided elsewhere in this manual. Adjustment of this control can increase the laser emission level from the device.

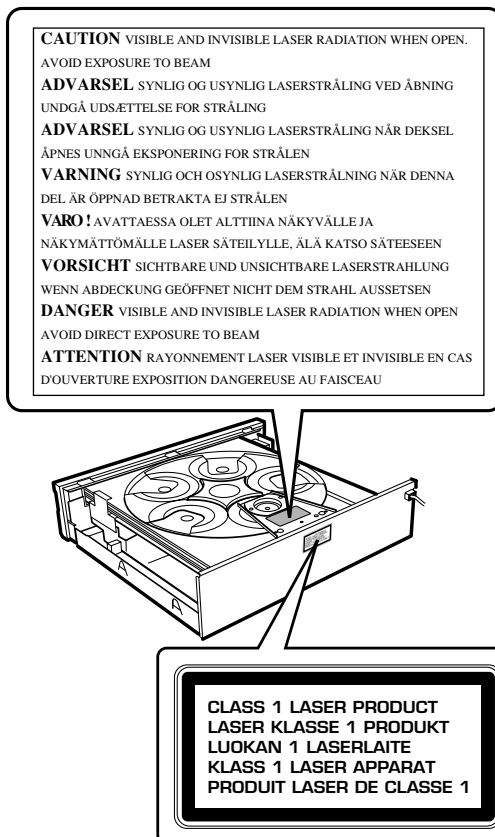
Laser Diode Properties

Type:	Semiconductor laser GaAlAs
Wave length:	650 nm (DVD) 780 nm (VCD/CD)
Output Power:	7 mW (DVD/VCD/CD)
Beam divergence	60 degree

VARO! :	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASER-SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING! :	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.

WARNING

The use of optical instruments with this product will increase eye hazard.
Repair handling should take place as much as possible with a disc loaded inside the player.



Warning for power supply

The primary side of the power supply carries live mains voltage when the player is connected to the mains even when the player is switched off !

This primary area is not shielded so it is possible to touch copper tracks and/or components when servicing the player.
Service personnel have to take precautions to prevent touching this area or components in this area.

Note:

The screws on the DVD mechanism may never be touched, removed or re-adjusted.

Handle the DVD mechanism with care when the unit has to be exchanged!

The DVD mechanism is very sensitive for dropping or giving shocks.

■ PREVENTION OF ELECTROSTATIC DISCHARGE

The laser diode in the DVD mechanism may be damaged due to static electricity from clothes or the human body. Use caution to prevent electrostatic damage when servicing or handling the DVD-mechanism.

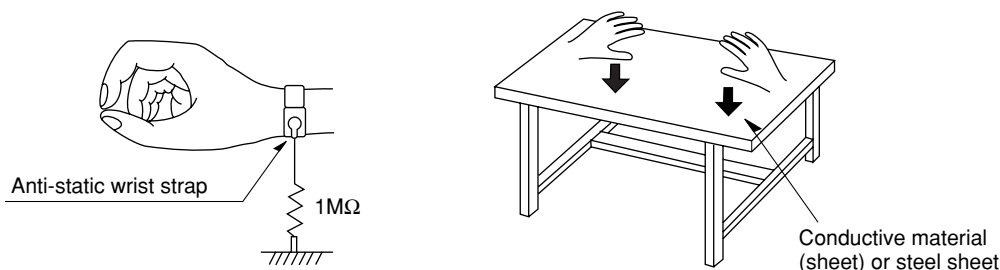
1. Grounding for electrostatic damage prevention

1. Worktable grounding

Put a grounded conductive material (sheet) or iron sheet on the area where the optical pickup is placed.

2. Human body grounding

Use an anti-static wrist strap to discharge the static electricity from your body.



2. Handling of the optical pickup

1. To prevent damage to the optical pickup replacement parts during transportation and before installation, both ends of the laser diode are short-circuited. After installing the new part, remove the short circuit according to the correct procedure in this service manual.
2. Do not use a tester to check the laser diode in the optical pickup. The power supply in the tester will damage the laser diode.

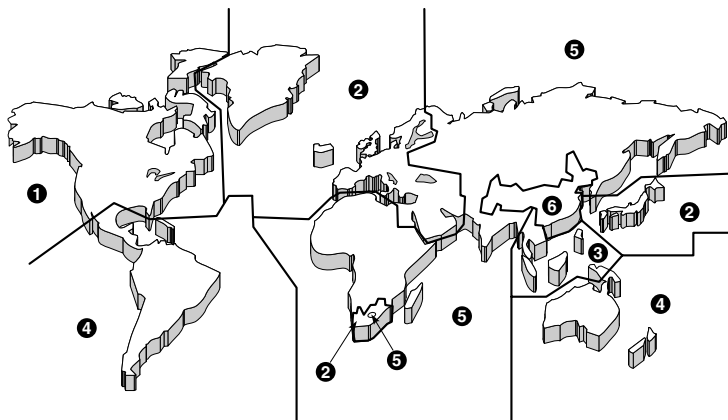
3. Handling Precautions for the Traverse Unit (Optical Pickup)

1. Handle the traverse unit (optical pickup) gently, as it is an extremely high-precision assembly.
2. The flexible cable lines may break if an excessive force is applied to it. Use caution when handling the cable.
3. The semi-fixed resistor for laser power adjustment should not be adjusted. Do not turn the resistor.

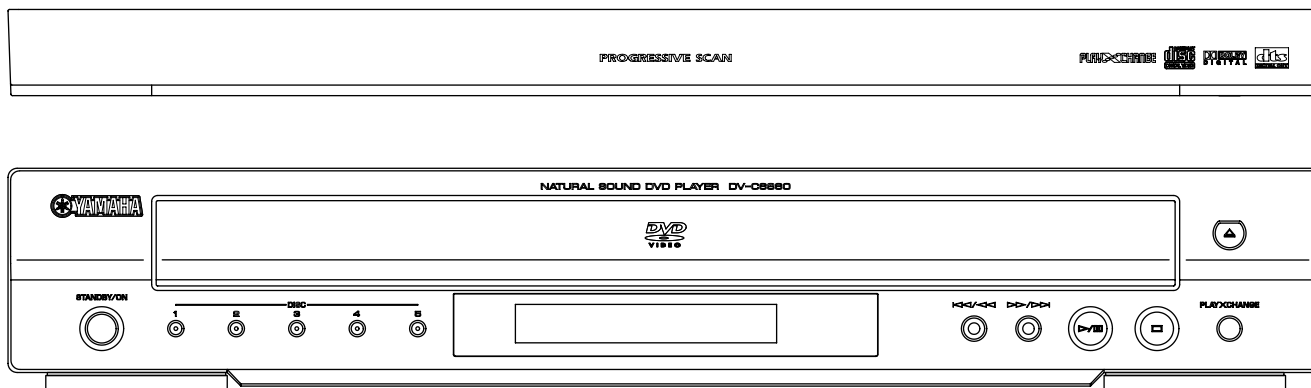
■ LOCALE MANAGEMENT INFORMATION

Locale Management Information : This DVD player is designed and manufactured to respond to the Locale Management Information that is recorded on a DVD disc. If the Locale number described on the DVD disc does not correspond to the Locale number of this DVD player, this DVD player cannot play this disc.

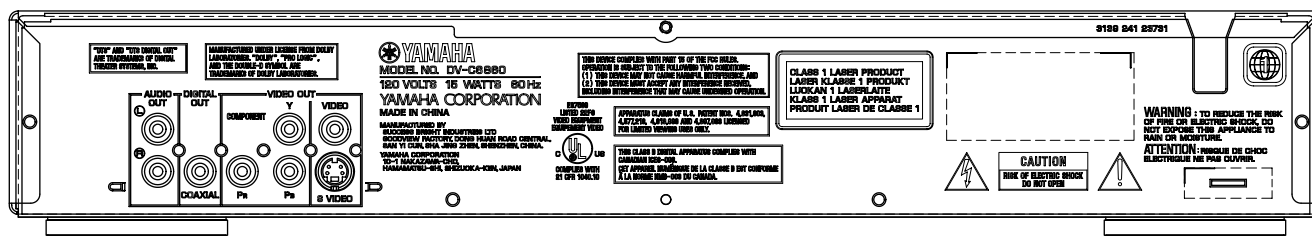
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.



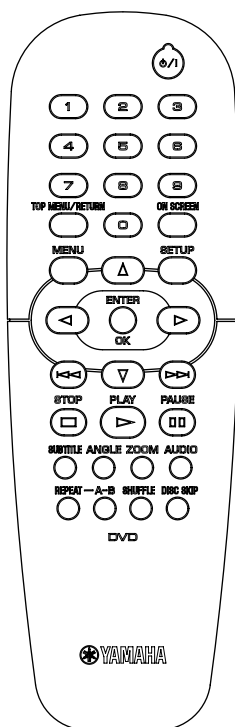
■ FRONT PANEL



■ REAR PANEL



■ REMOTE CONTROL



■ SPECIFICATIONS

● PLAYBACK SYSTEM

DVD-Video
Video CD & SVCD
CD
PICTURE CD
CD-R, CD-RW
DVD+R, DVD+RW
DVD-R, DVD-RW

● VIDEO PERFORMANCE

Video (CVBS) output 1 Vpp into 75 ohms
S-Video output Y: 1 Vpp into 75 ohms
C: 0.3 Vpp into 75 ohms
Component video output Y: 1 Vpp into 75 ohms
PB/CB PR/CR: 0.7 Vpp into 75 ohms
Black level shift On/Off

● TV STANDARD (PAL/50 Hz) (NTSC/60 Hz)

Number of lines 625 525
Playback Multistandard (PAL/NTSC)

● AUDIO FORMAT

Digital Mpeg/ Dolby Digital/ Compressed Digital
DTS
PCM 16, 20, 24 bits
fs, 44.1, 48, 96 kHz
MP3(ISO 9660) 24, 32, 56, 64, 96, 128,
256 kbps
fs, 16, 22.05, 24, 32, 44.1,
48 kHz
WMA 32–192 kbps, mono, stereo
Analog Sound Stereo

● AUDIO PERFORMANCE

DA Converter 24 bit
Signal-Noise (1 kHz) 115 dB
Dynamic range (1 kHz) 100 dB
DVD fs 96 kHz 2 Hz- 44 kHz
fs 48 kHz 2 Hz- 22 kHz
SVCD fs 48 kHz 2 Hz- 22 kHz

fs 44.1 kHz 2 Hz- 20 kHz
CD/VCD fs 44.1 kHz 2 Hz- 20 kHz
Distortion and Noise (1 kHz) 0.0035%

● CONNECTIONS

Y output Cinch (green)
PB/CB output Cinch (blue)
PR/CR output Cinch (red)
S-Video output Mini DIN, 4 pins
Video output Cinch
Audio output (L+R) Cinch
Digital output 1 coaxial
IEC60958 for CDDA / LPCM
IEC61937 for MPEG 1/2,
Dolby Digital and DTS

● GENERAL

Dimensions (w x h x d) 435 x 75 x 425 mm
(17-1/8" x 3" x 16-3/4")
Weight Approx. 5.5 Kg (12 lbs 2 oz)
Finish
Black color U model
Silver color U model
Power Supply
Power inlet U model 120 V, 60 Hz
Power usage Approx. 15 W
Power usage standby < 1 W

● ACCESSORIES

Remote control x1
Batteries x 2
Audio/video cable x1

* Specifications subject to change without notice.

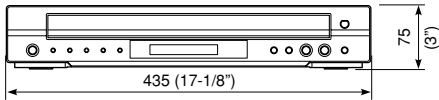
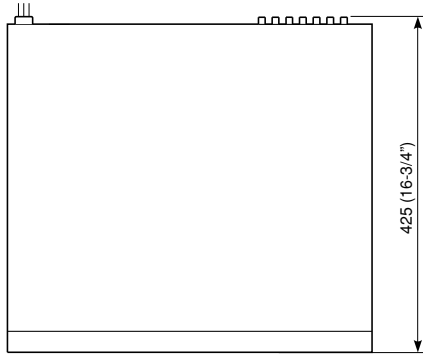


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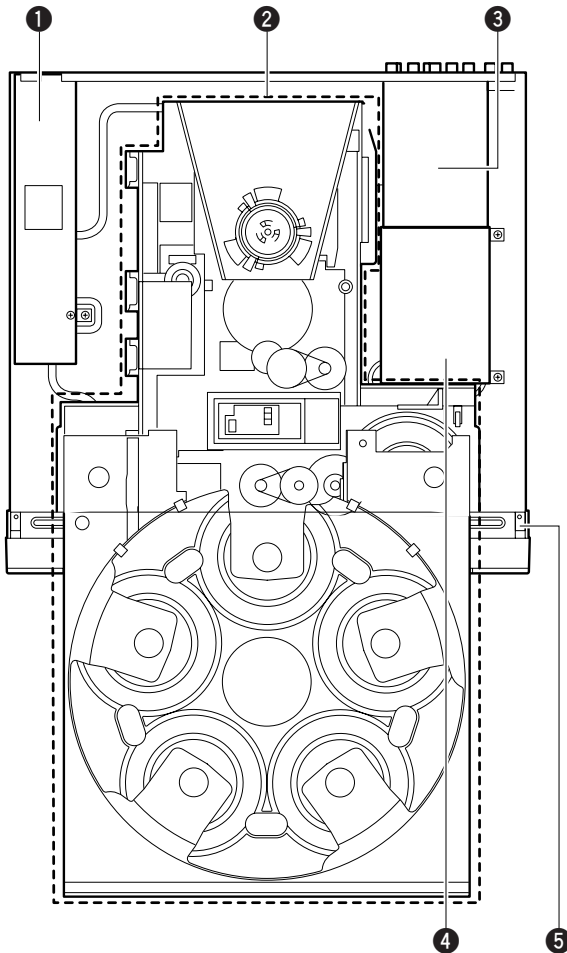
"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

■ DIMENSIONS

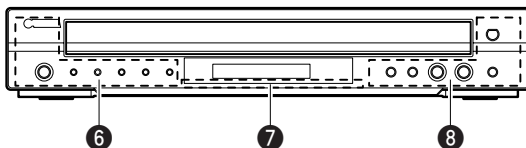


Unit: mm (inch)

■ INTERNAL VIEW



- ❶ POWER SUPPLY UNIT
- ❷ DVD 5-DISC CHANGER MODULE
- ❸ AV P.C.B.
- ❹ MONO P.C.B.
- ❺ BRACKET FRONT
- ❻ FRONT (2) STANDBY/ON P.C.B.
- ❼ FRONT (1) DISPLAY P.C.B.
- ❽ FRONT (3) OPEN/CLOSE P.C.B.



■ REPAIR NOTES

1. DVD 5-Disc Changer Module

The DVD 5-disc changer module consists of the CM unit and tray ass'y. The DVD 5-disc changer module is supplied as a whole. Neither the CM unit nor tray ass'y can be supplied independently.

2. Power Supply Unit

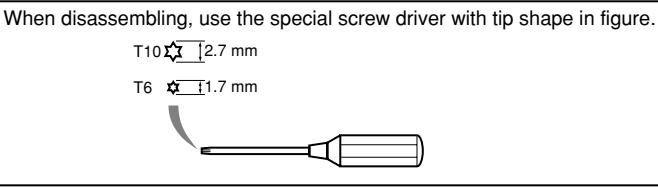
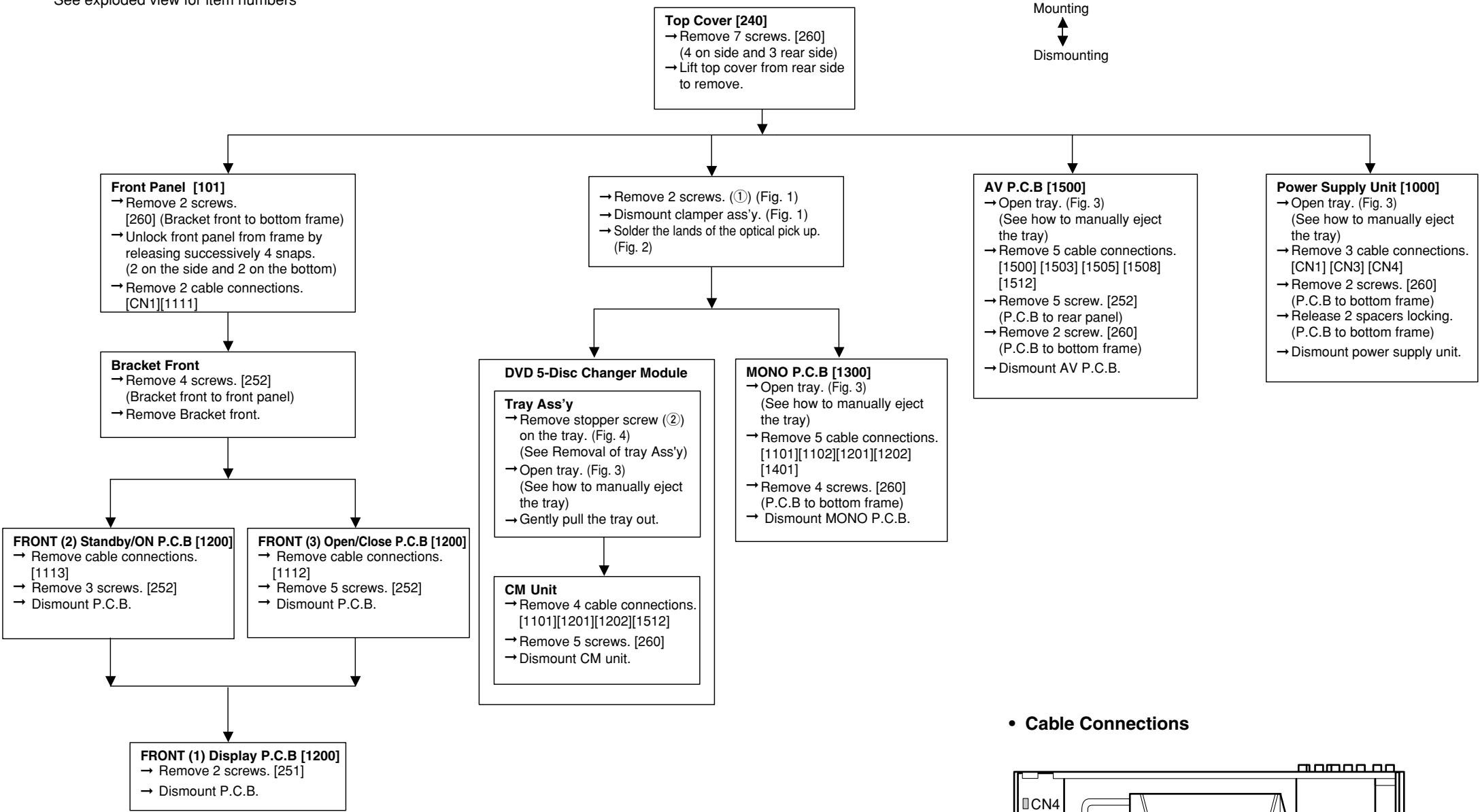
The power supply unit has to be replaced in case of failure.

3. PCB Assembly

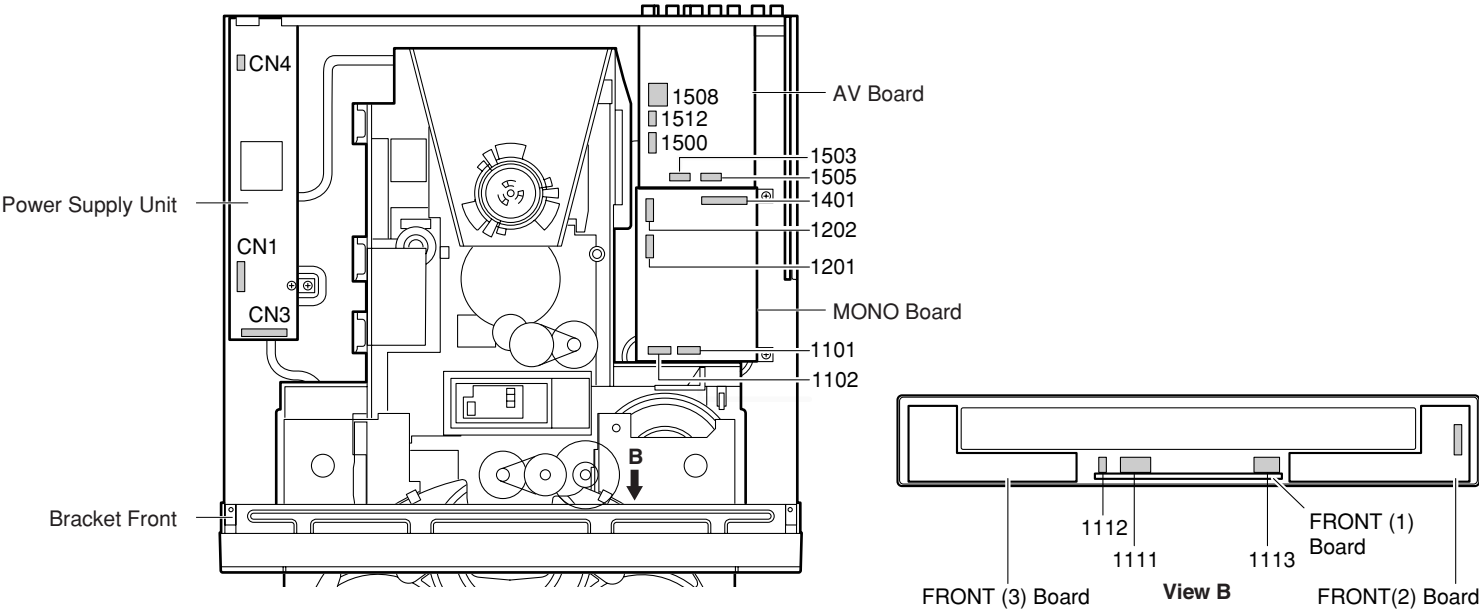
When a failure has occurred in the PCB assembly, replace each P.C.B.

■ DISASSEMBLY PROCEDURES

See exploded view for item numbers



• Cable Connections



• Preventive measure for laser diode from electrostatic breakdown

When replacing the MONO Board or DVD 5-disc changer module, solder between lands of the optical pick up P.C.B. to protect the laser diode against electrostatic breakdown.

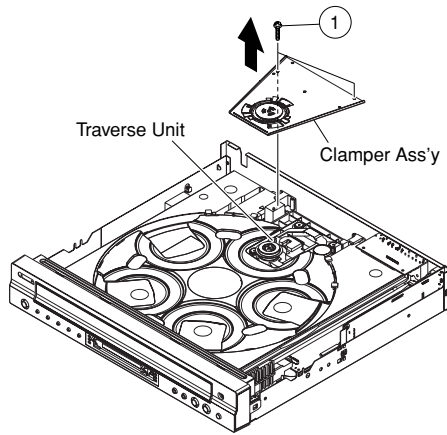


Fig. 1

Notes

- Use an anti-static soldering iron to short-circuit and unshort-circuit laser diode.
- After you have finished repairing, remove the solder from the short-circuit location.

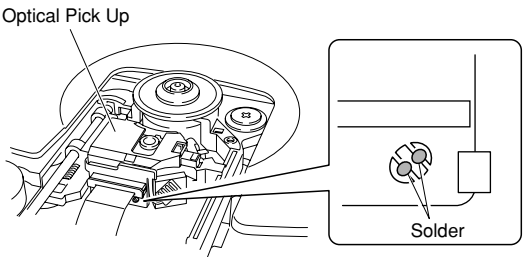


Fig. 2

• How to manually eject the tray

- Turn the player bottom up.
- Move the slider in the direction indicated with a screw driver until the tray is ejected.
- Gently pull the tray out.

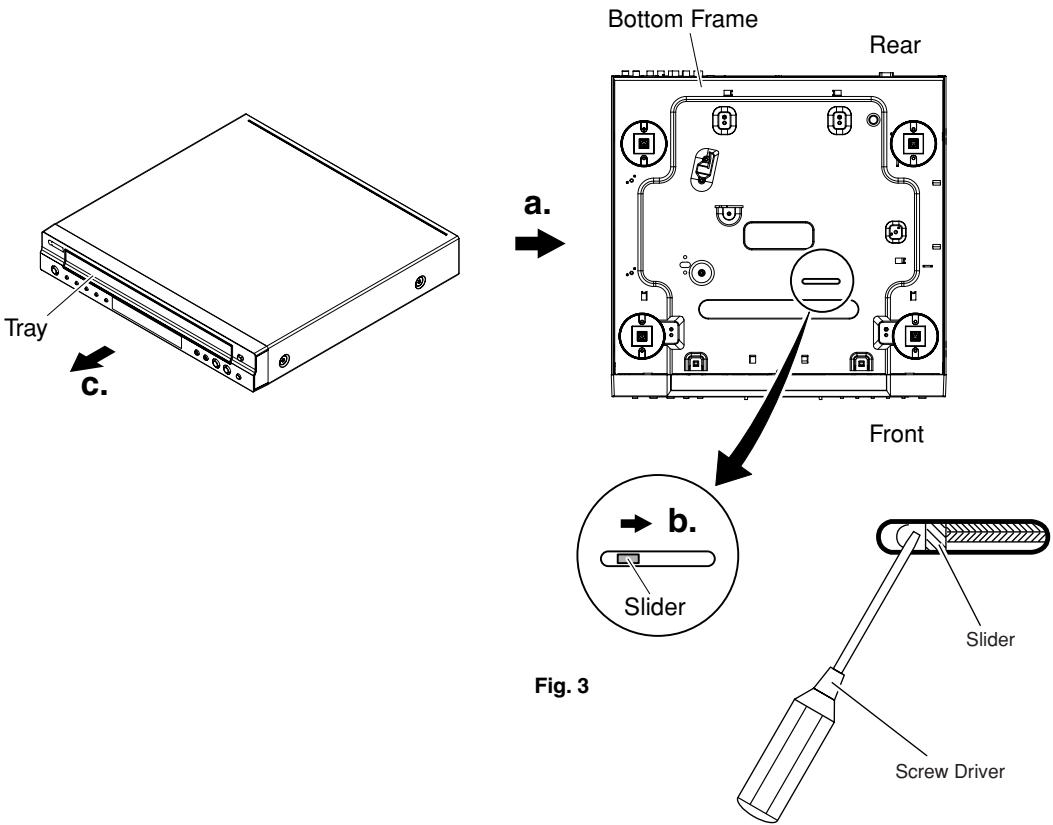


Fig. 3

1. Removal of Tray Ass'y

* The tray ass'y cannot be supplied independently. The tray ass'y is contained in DVD 5-disc changer module and supplied as a DVD 5-disc changer module.

- Remove the top cover.
- Open tray (see How to manually eject the tray).
- Remove 1 screw (2).
- Remove the tray ass'y.

- Precaution for installation of the tray ass'y.
On tray ass'y setting.
Check the direction of marking "▲" on gear according to this drawing.

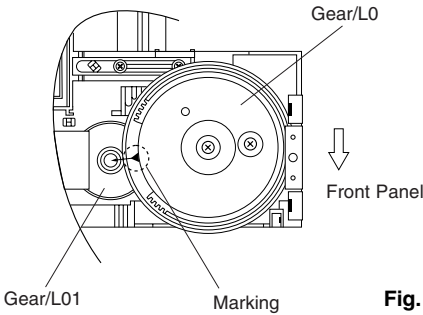


Fig. 5

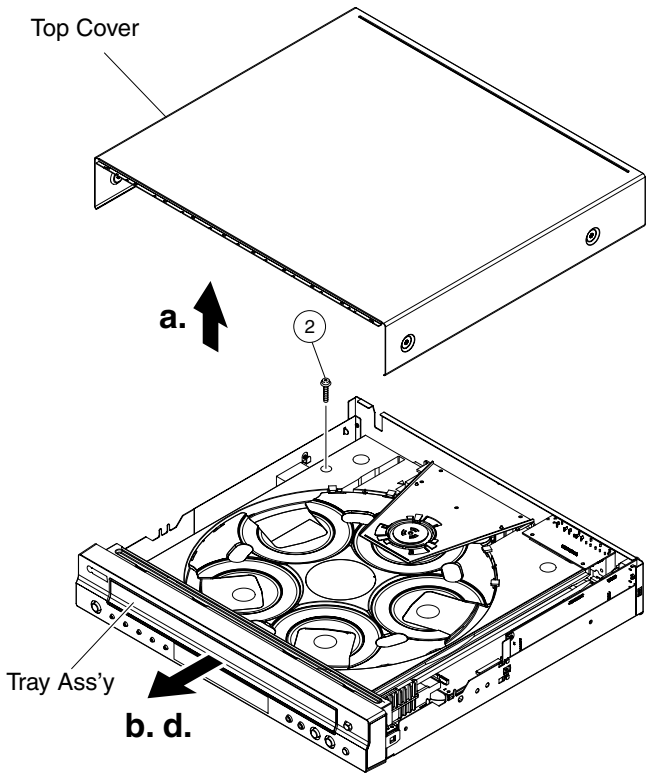


Fig. 4

2. Removal of Table

* The table cannot be supplied independently. The table is contained in DVD 5-disc changer module and supplied as a DVD 5-disc changer module.

- Remove the plate/table in Fig.6.
- Remove 1 screw (2) and then take off the table in Fig.6.

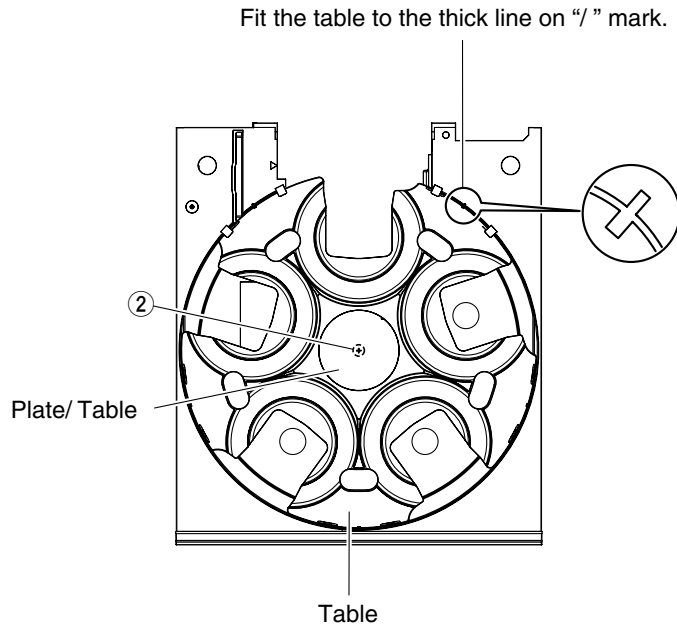


Fig. 6

IMPORTANT: Installation of Table.

Install the table according to the following procedure.

- Slide the lever so that the gear/RT becomes free. (Fig.7)
- With the "▲" mark on the gear/RT aligned with the same mark on the tray, lock it with the lever. (Fig.7)
- Install the table by aligning it to the thick line on "/" mark. (Fig.6)

* Check that the table is locked after installation.

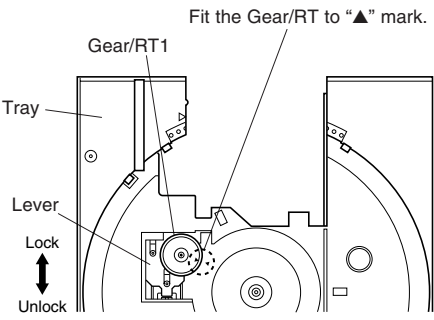


Fig. 7

The diagram illustrates the internal architecture of a DVD player, organized into a grid with columns 1-20 and rows A-P. The components and their connections are as follows:

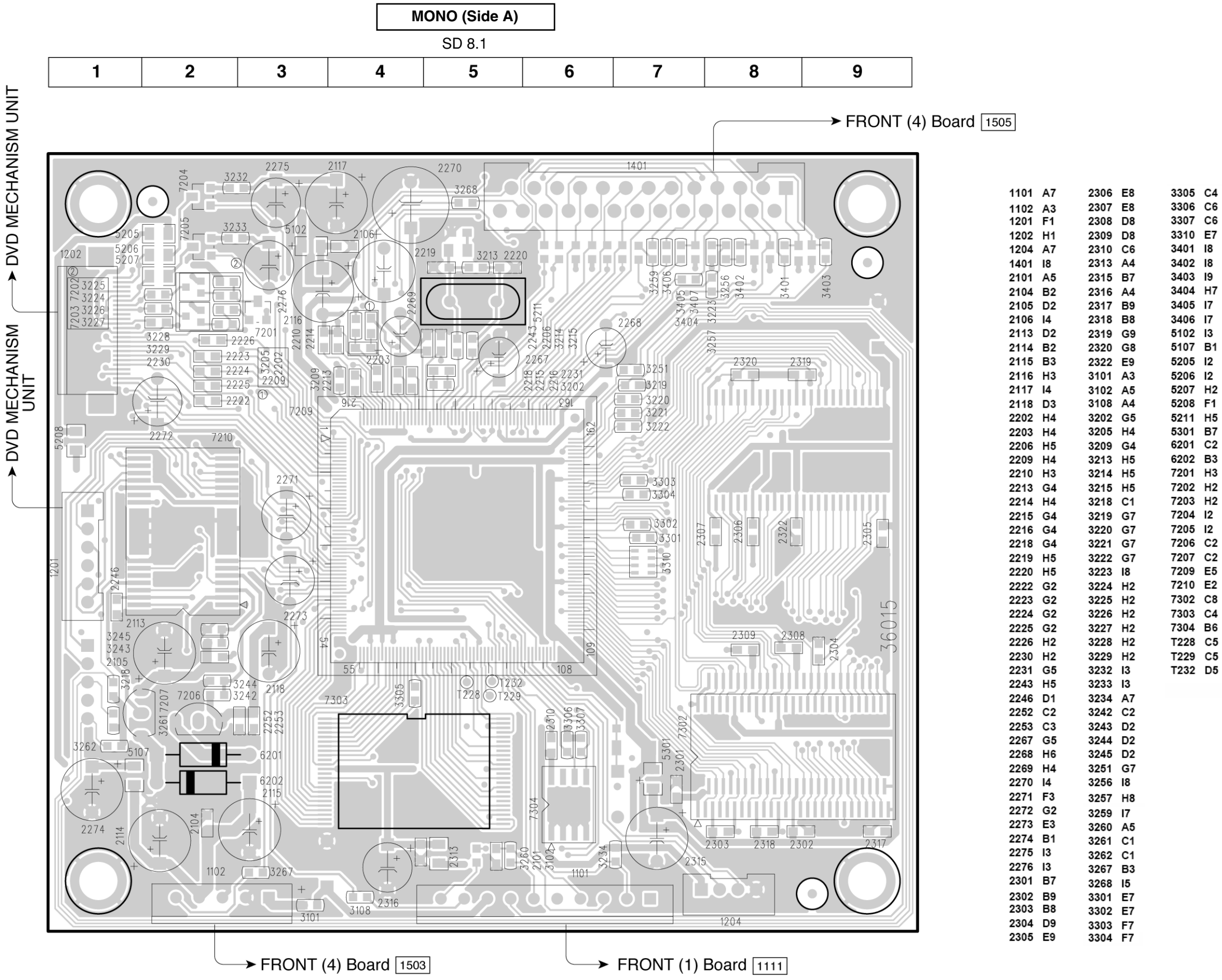
- Power Supply Unit (SMPS):** Located in the upper right, it includes a Primary transformer, a Secondary transformer, and a 3C power switch. It provides +12V, -12V, +5V, and -24V rails.
- DVD 5-DISC CHANGER MODULE:** Contains a DV33 + Carosal Changer, a 5 Disc Carosal Changer Control Board, and an SD5.5 disc. It is powered by +12V and +5V rails.
- MONO Board:** Uses the MT 1389XE chipset. It handles audio processing, including a DAC & Analog Filter, and provides audio output (AOUTL, AOUTR, AOUTL+, AOUTR+).
- FRONT (1) Board:** Features an F T D 11-BT-226 GNK and an UPD16311 Controller/Driver. It manages the disc changer's operation, including play, stop, next, and previous functions.
- FRONT (2) Board:** Includes LEDs and a Disc Switch for disc selection.
- FRONT (3) Board:** Contains an IR receiver and a Play/Stop/Next/Prev/Discchange button.
- FRONT (4) Board:** Handles video output, including VIDEO, S-VIDEO, and COMPONENT (Y/Pb/Pr) signals. It also includes a CVBS input and a TS5V330PW power regulator.
- Power Regulation:** The left side of the diagram shows a detailed power regulation section with LM317, LM337, and TL431 regulators, providing +5V, +9V, +3V, and -9V rails.
- Connectors:** Various connectors are shown, including CON H, CON BM, CON V, and CON S, which interface with the different boards.

■ PRINTED CIRCUIT BOARDS

FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper



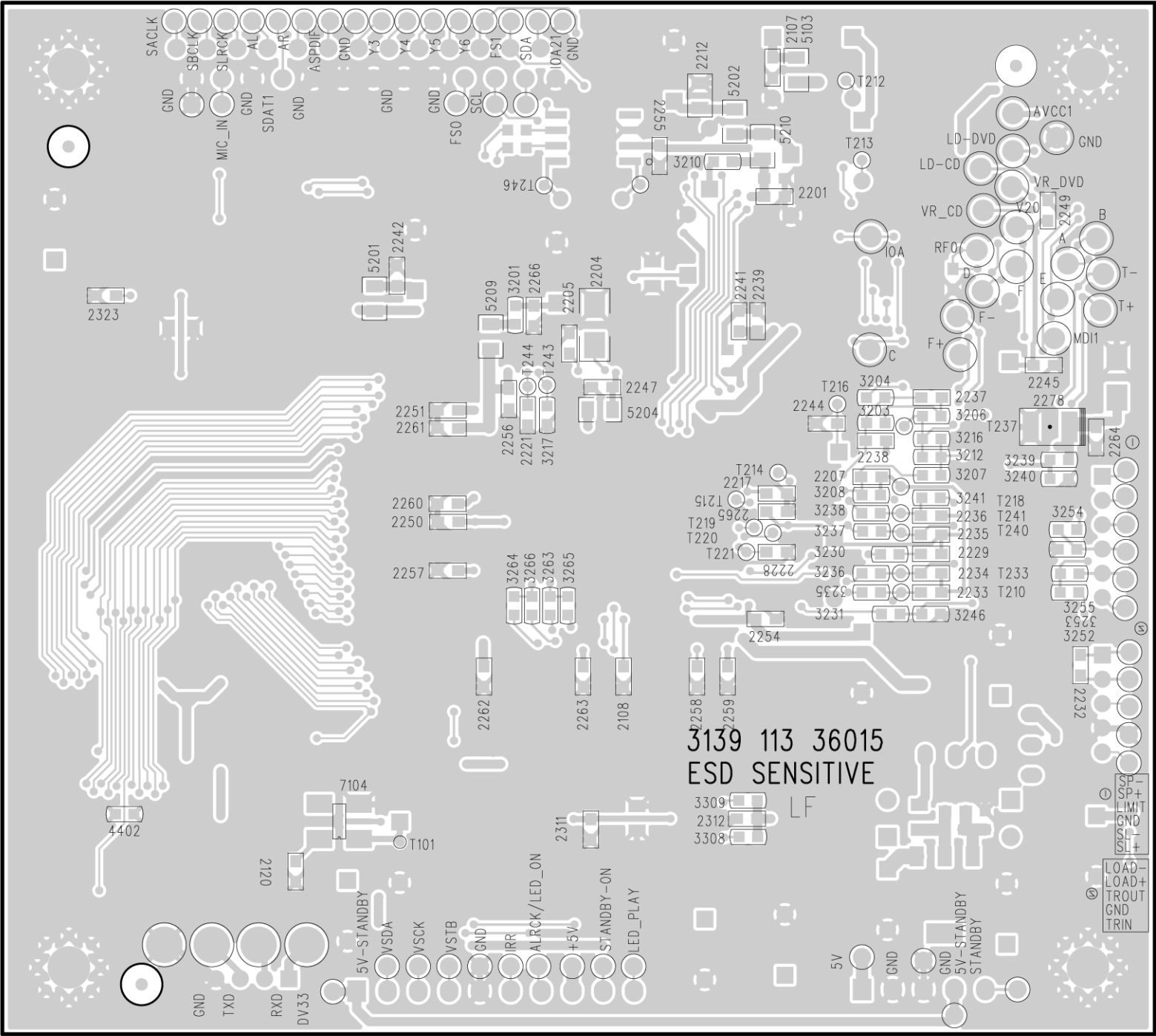
The first digit of a component indicates the component type.
1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

MONO (Side B)

SD 8.1

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

I
H
G
F
E
D
C
B
A

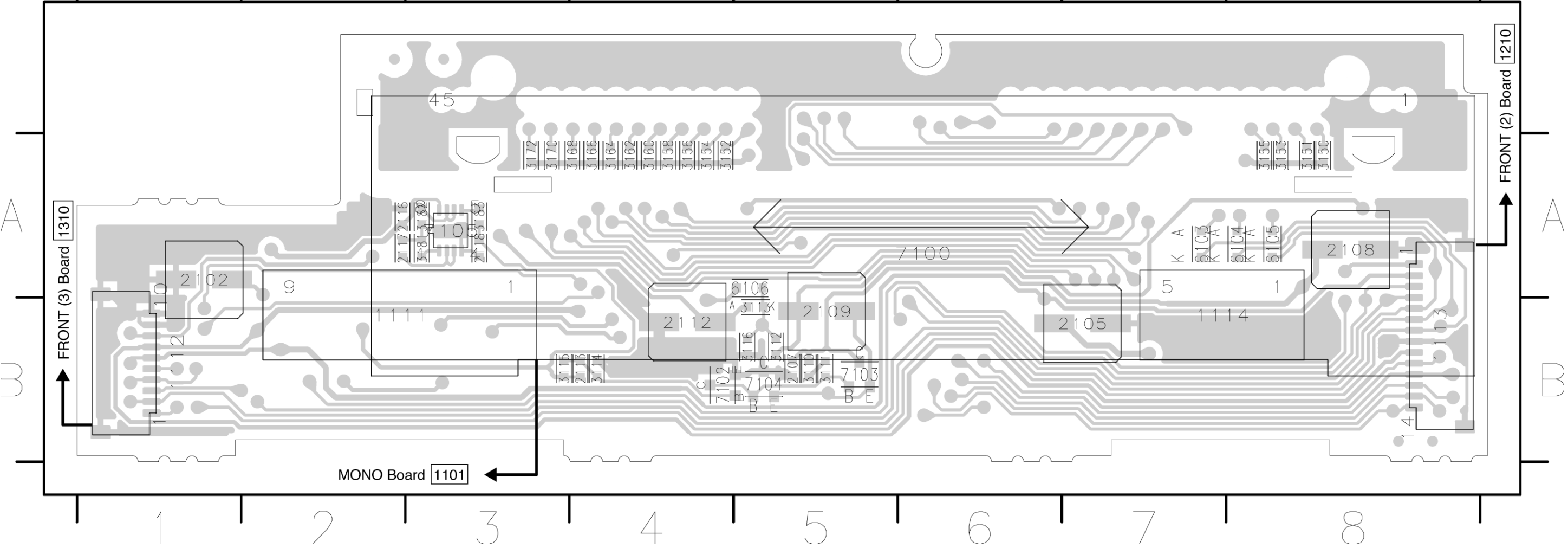


2107	I7	3201	G5
2108	D5	3203	F8
2120	C4	3204	F8
2201	H7	3206	F8
2204	G5	3207	F8
2205	G5	3208	E8
2207	F8	3210	H6
2212	I6	3212	F8
2217	E7	3216	F8
2221	F5	3217	F5
2228	E7	3230	E8
2229	E8	3231	D8
2232	D9	3235	E8
2233	E8	3236	E8
2234	E8	3237	E8
2235	E8	3238	E8
2236	E8	3239	F9
2237	F8	3240	F9
2238	F8	3241	E8
2239	G7	3246	D8
2241	G6	3252	E9
2242	G4	3253	E9
2244	F7	3254	E9
2245	G9	3255	E9
2247	F5	3263	D5
2249	H9	3264	D5
2250	E4	3265	D5
2251	F4	3266	D5
2254	D7	3308	B7
2255	H6	3309	C7
2256	F5	4402	B1
2257	E4	5103	I7
2258	D6	5104	B8
2259	D6	5201	G4
2260	E4	5202	I6
2261	F4	5204	F5
2262	D4	5209	G4
2263	D5	5210	I7
2264	F9	7104	C3
2265	E7		
2266	G5		
2278	F9		
2311	B5		
2312	B7		
2323	G1		

FRONT (1) (Side A)

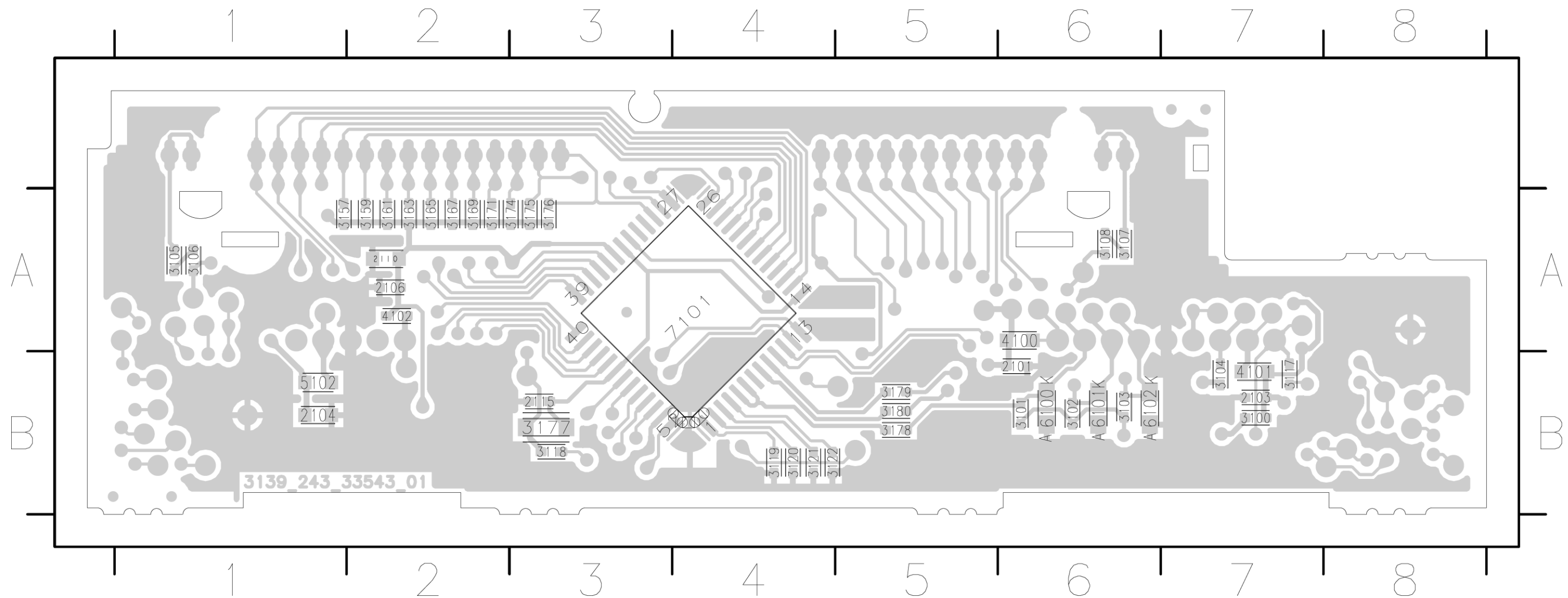
1111	B2	2105	B7	2113	B4	3111	B5	3116	B5	3154	A4	3162	A4	3172	A3	6104	A8	7103	B5
1112	B1	2107	B5	2116	A2	3112	B5	3150	A8	3155	A8	3164	A4	3181	A3	6105	A8	7104	B5
1113	B8	2108	A8	2117	A2	3113	B5	3151	A8	3156	A4	3166	A4	3182	A3	6106	A5	7105	A3
1114	B7	2109	B5	2118	A3	3114	B4	3152	A4	3158	A4	3168	A4	3183	A3	7100	A6		
2102	A1	2112	B4	3110	B5	3115	B3	3153	A8	3160	A4	3170	A3	6103	A7	7102	B4		

1 2 3 4 5 6 7 8

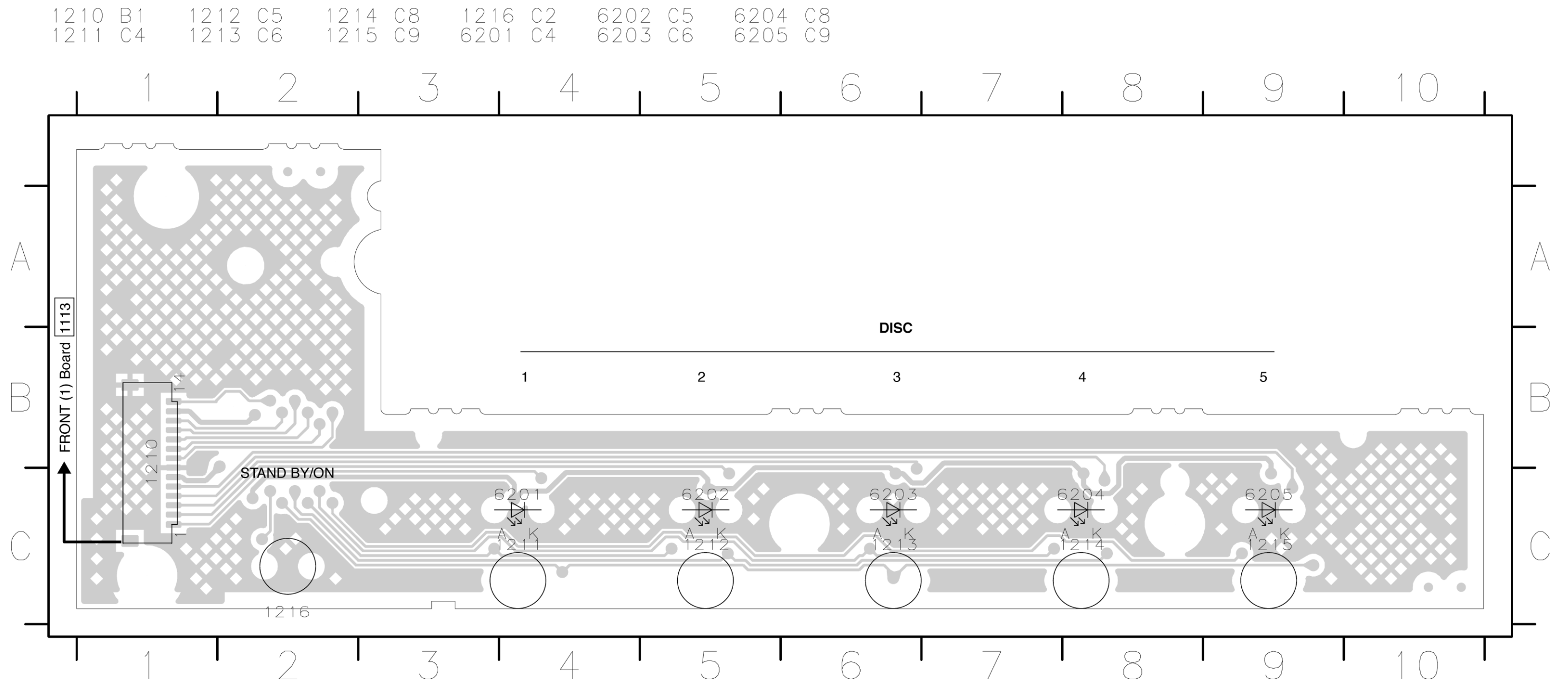


FRONT (1) (Side B)

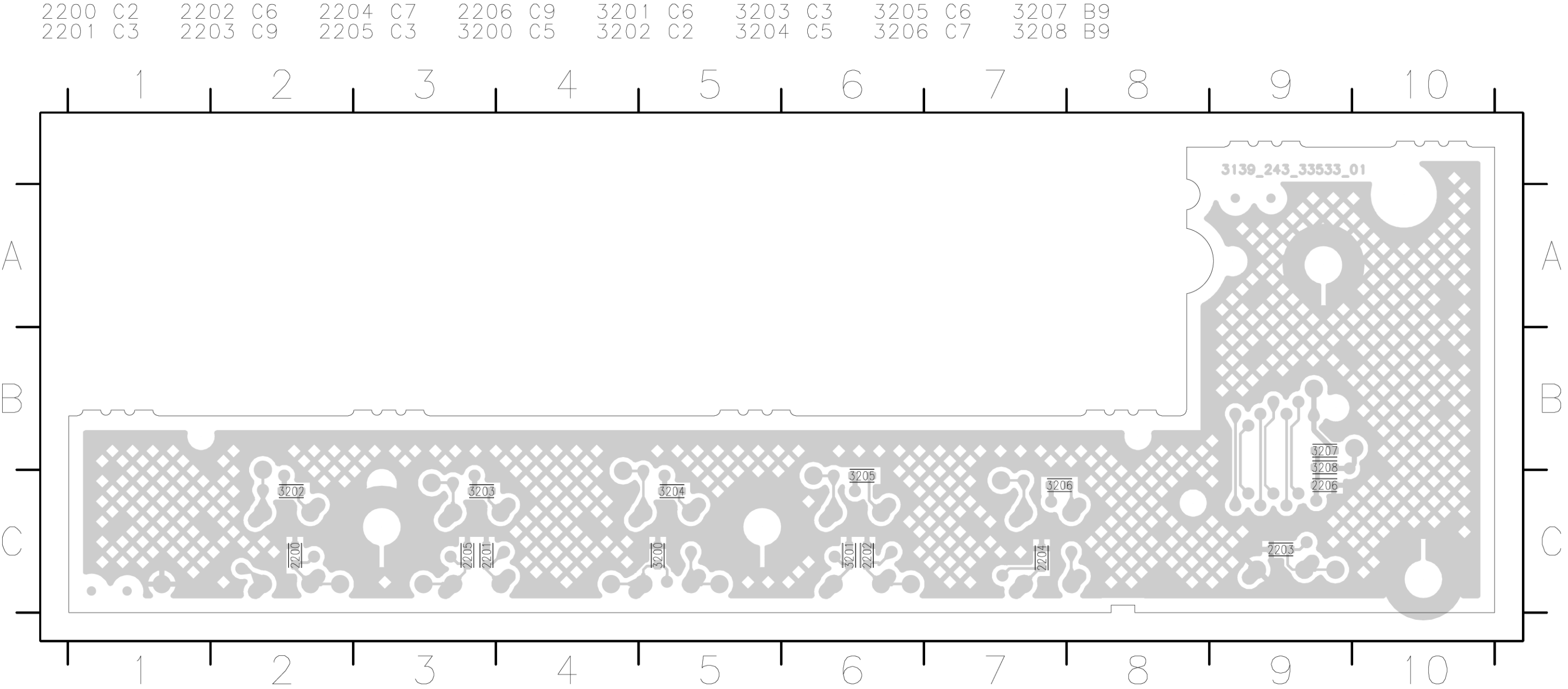
2101	B6	2115	B3	3104	B7	3117	B7	3122	B4	3165	A2	3175	A3	3180	B5	6100	B6
2103	B7	3100	B7	3105	A1	3118	B3	3157	A1	3167	A2	3176	A3	4100	A6	6101	B6
2104	B1	3101	B6	3106	A1	3119	B4	3159	A2	3169	A2	3177	B3	4101	B7	6102	B6
2106	A2	3102	B6	3107	A6	3120	B4	3161	A2	3171	A2	3178	B5	4102	A2	7101	A4
2110	A2	3103	B6	3108	A6	3121	B4	3163	A2	3174	A3	3179	B5	5102	B1		



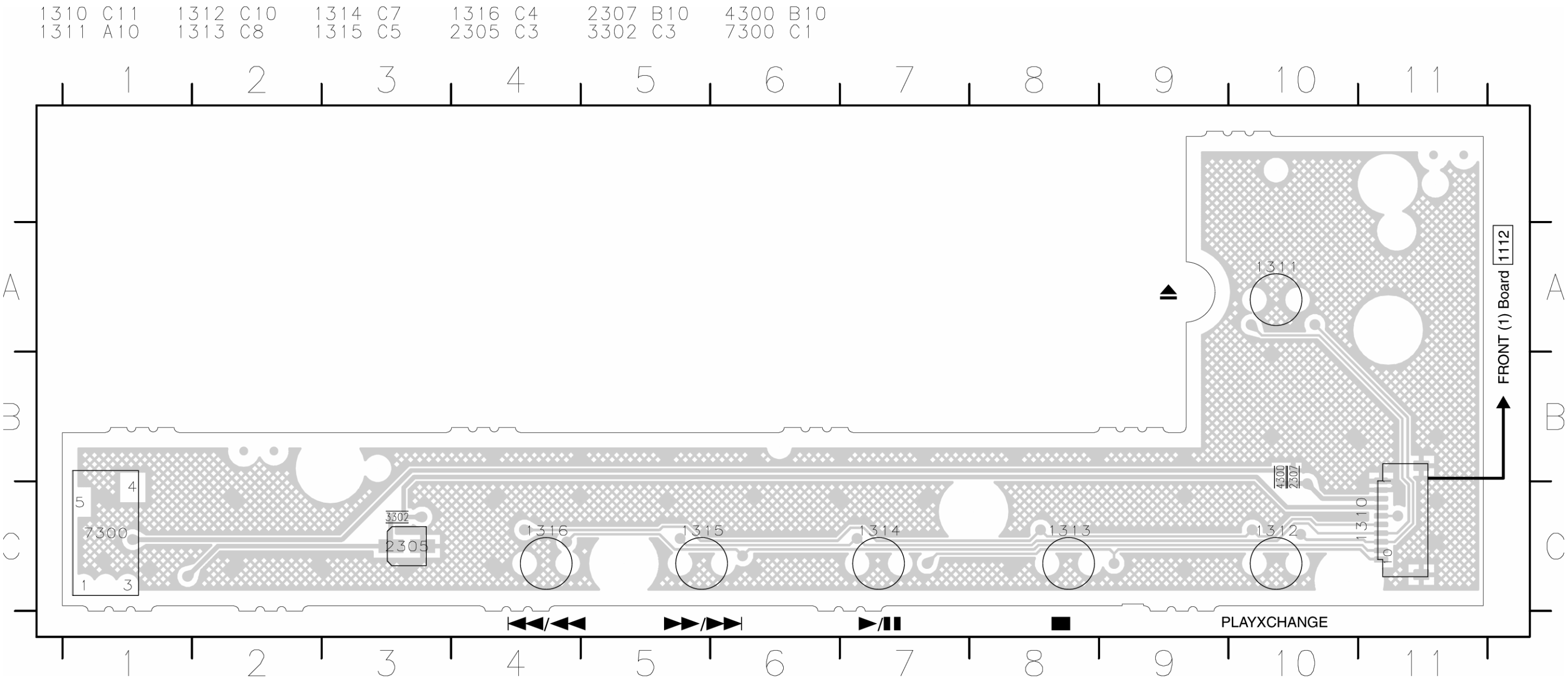
FRONT (2) STANDBY/ON (Side A)



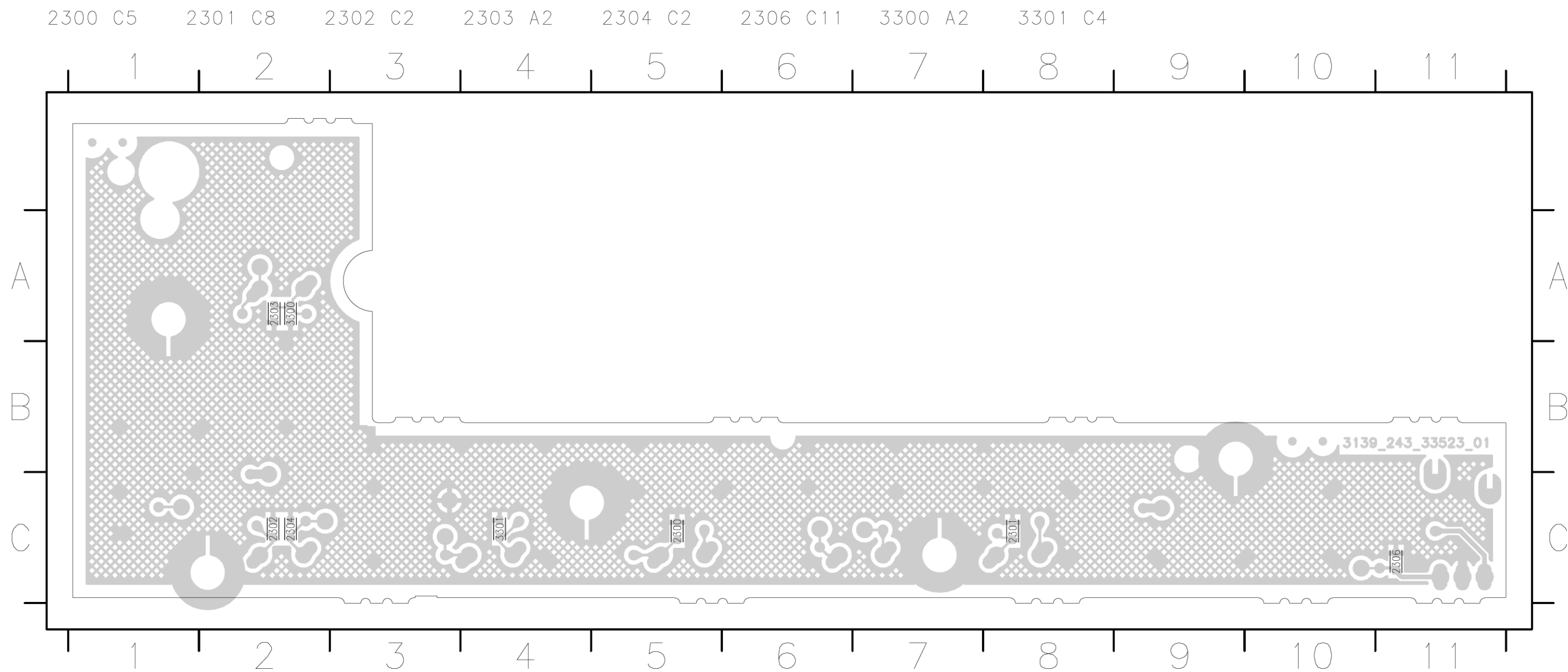
FRONT (2) STANDBY/ON (Side B)

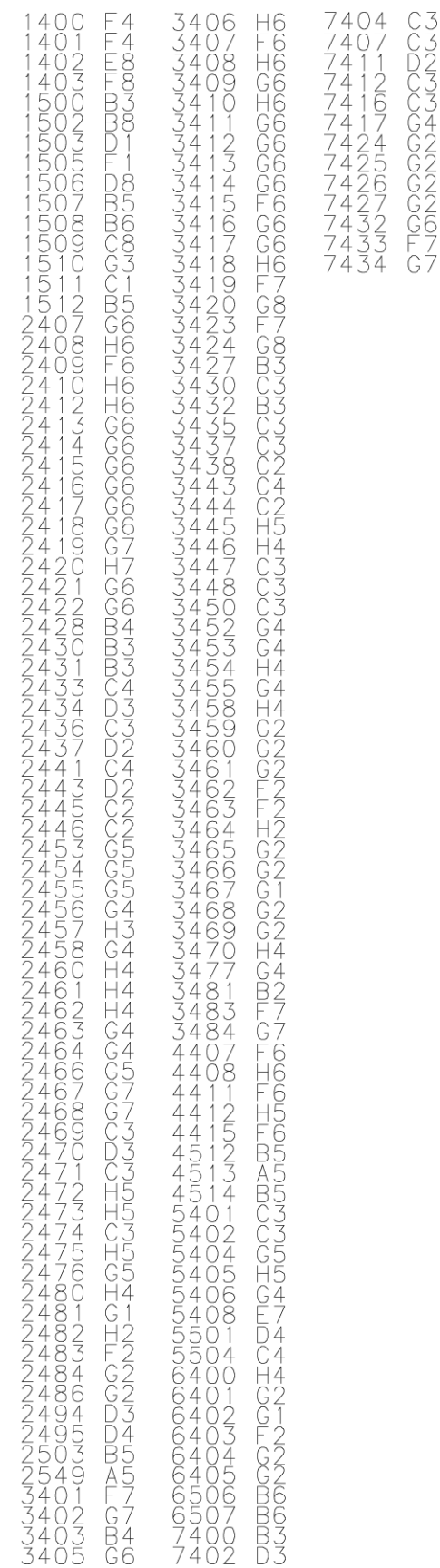


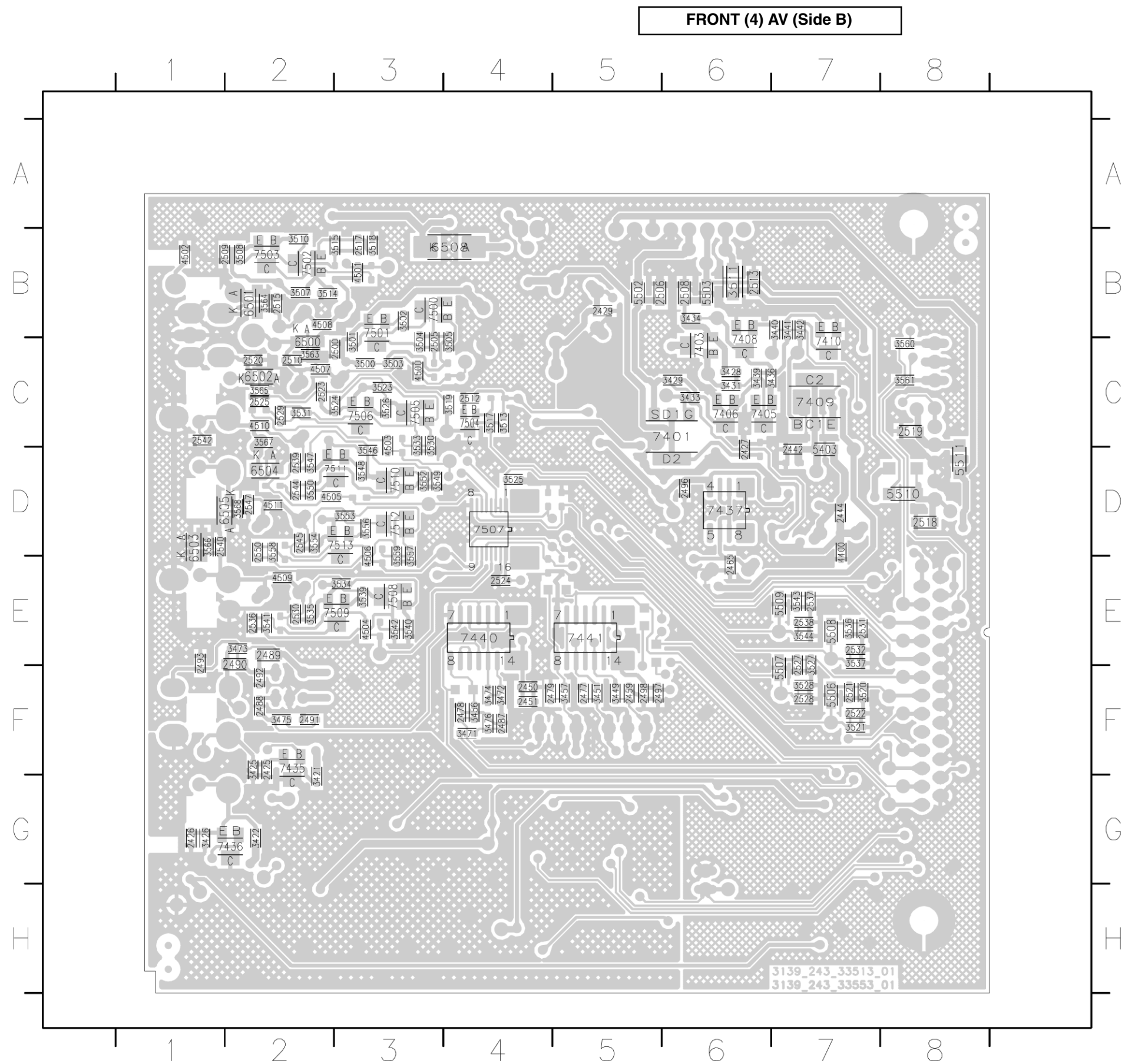
FRONT (3) EJECT/PLAY (Side A)



FRONT (3) EJECT/PLAY (Side B)

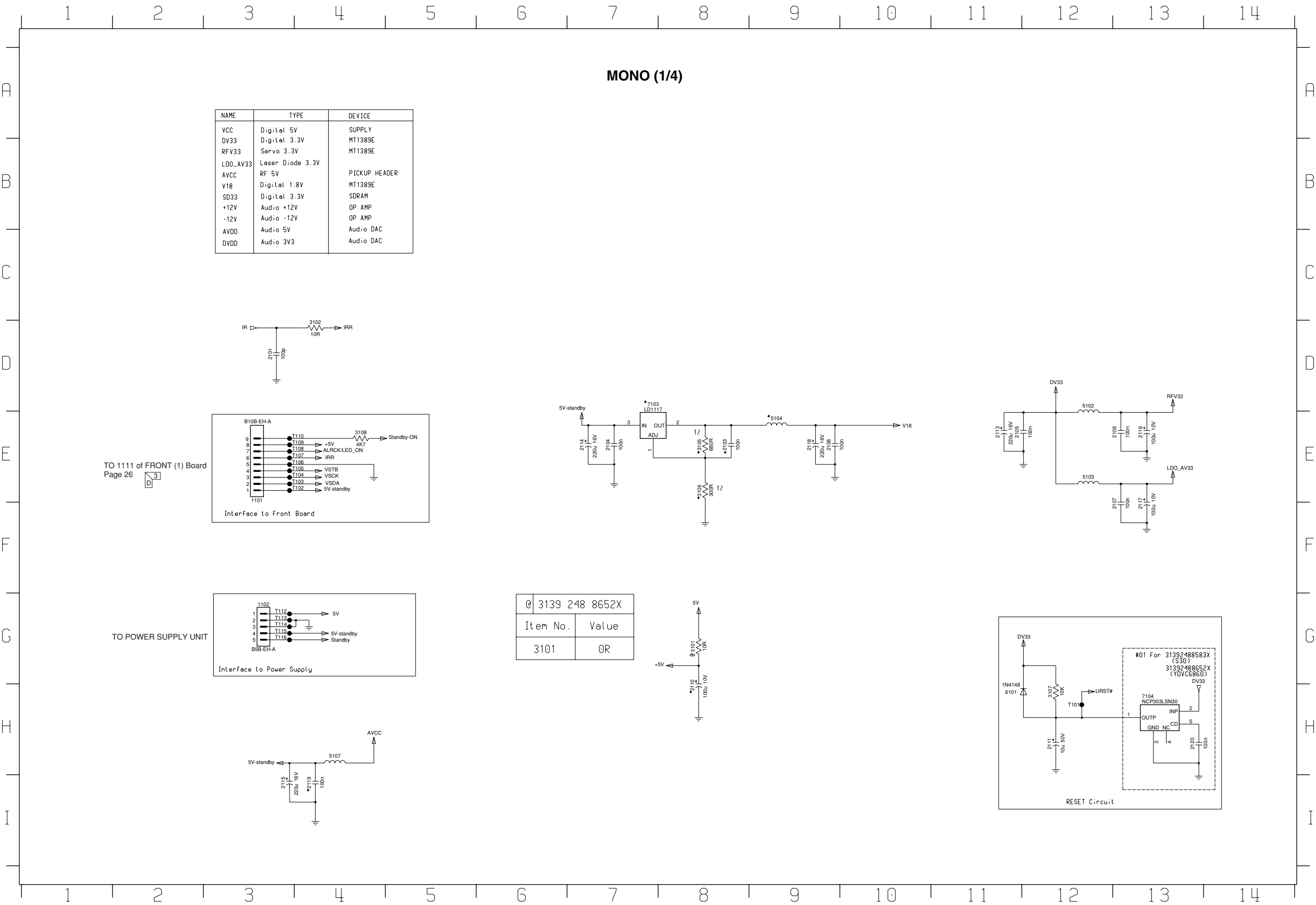




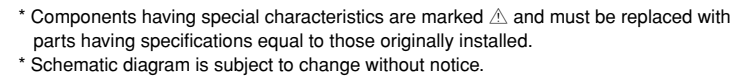
[illegible]

SCHEMATIC DIAGRAMS

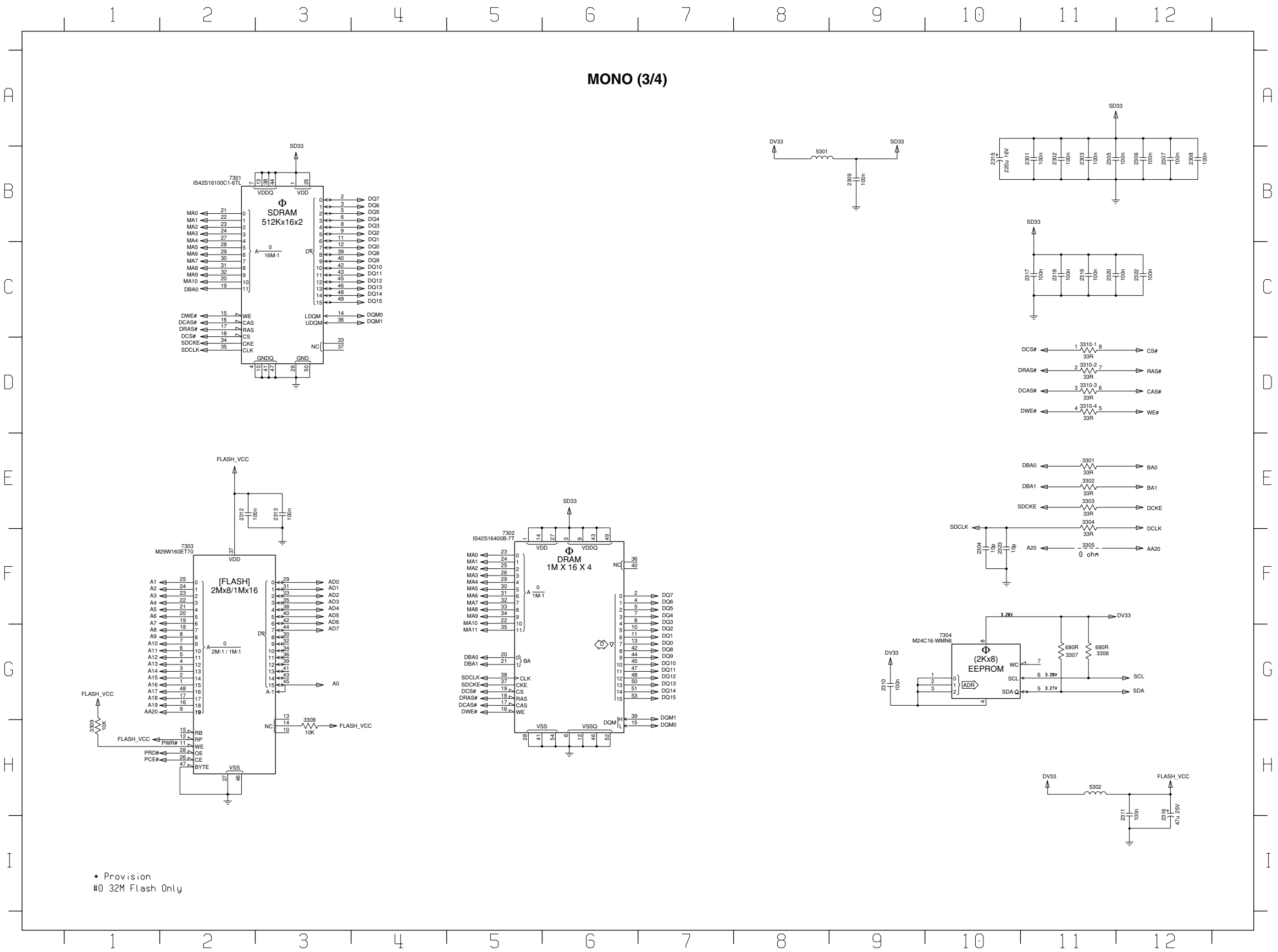
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)



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* Schematic diagram is subject to change without notice.



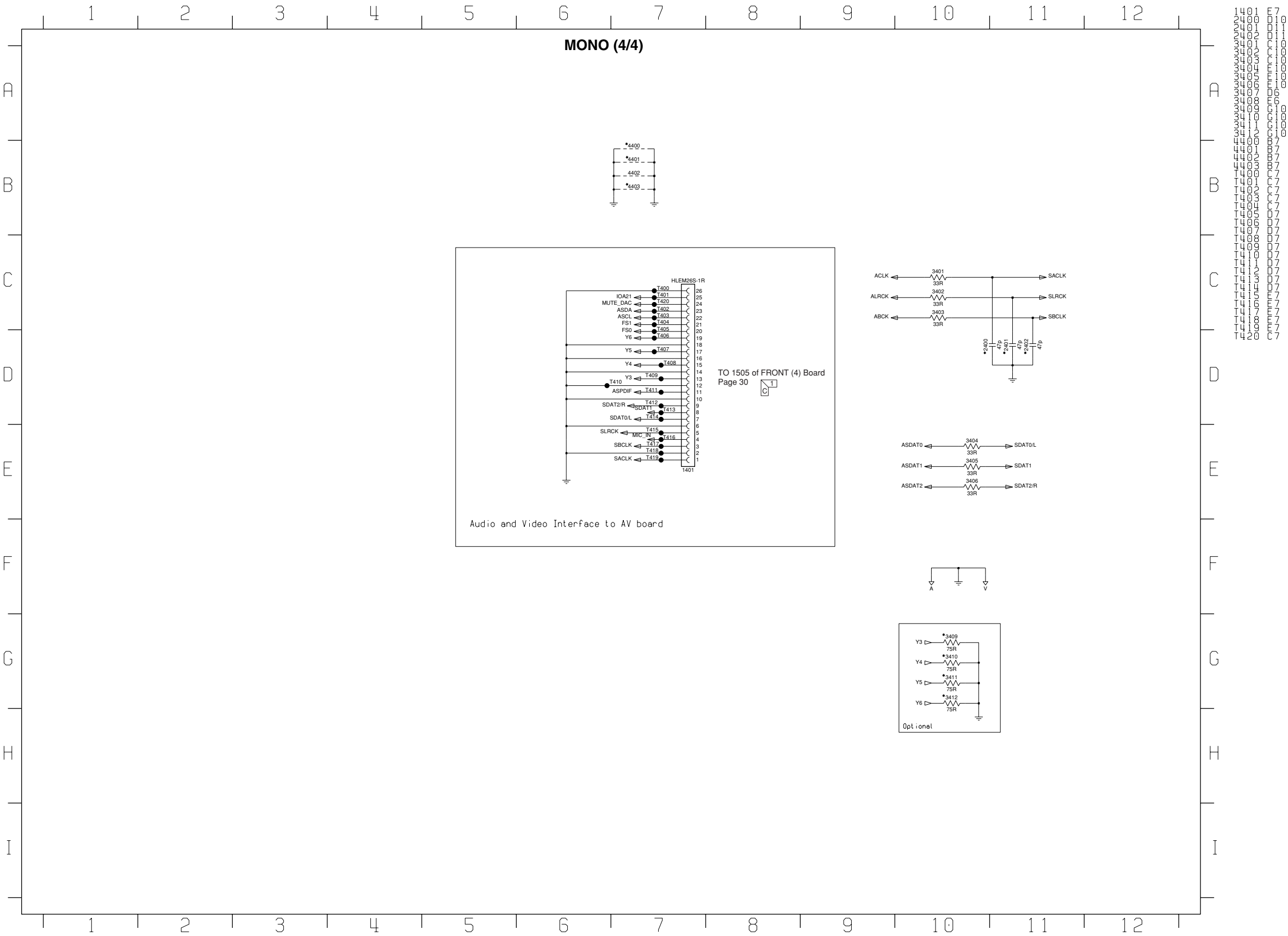
2001 B5	3236 H8	T275 I12
1202 E1	3237 I8	T276 I12
1203 I12	3238 I8	T277 H10
1204 I11	3239 H1	T278 I12
2201 B6	3240 H1	T279 H10
2202 B6	3241 G1	T280 I12
2203 B7	3242 I5	T281 I10
2204 B7	3243 I6	T282 I12
2205 B9	3244 I5	T283 I10
2206 I7	3245 I6	
2207 A5	3246 I2	
2208 B12	3249 D13	
2209 B6	3250 D13	
2210 B5	3251 C10	
2212 A8	3252 B4	
2213 C6	3253 B4	
2214 B6	3254 B4	
2215 C6	3255 B4	
2216 C6	3256 I11	
2217 A4	3257 E11	
2218 C6	3258 E11	
2219 C13	3259 E11	
2220 C13	3260 E11	
2221 C10	3261 H10	
2222 C4	3262 H10	
2223 C4	3263 E11	
2224 C4	3264 E11	
2225 C5	3265 F11	
2226 I1	3266 F11	
2227 D4	3267 F5	
2228 F4	3268 H8	
2229 F4	5201 A11	
2230 C2	5202 A8	
2231 A13	5203 B12	
2232 I12	5204 E12	
2233 I7	5205 C2	
2234 I7	5206 D2	
2235 I8	5207 E2	
2236 I8	5208 I10	
2237 A4	5209 A13	
2238 A5	5210 A8	
2239 A9	5211 B13	
2240 A10	6201 H5	
2241 A10	6202 H6	
2242 A11	7201 B2	
2243 A10	7202 B1	
2244 A1	7203 B2	
2245 A2	7204 E2	
2246 I2	7205 F2	
2247 E13	7206 H5	
2248 E4	7207 H6	
2249 E2	7209 C5	
2250 F12	7210 G2	
2251 F12	7211 D11	
2252 F12	7201 C4	
2253 F13	T202 C4	
2254 F13	T203 C4	
2255 G11	T204 C4	
2256 G12	T205 C4	
2257 G12	T206 C5	
2258 G12	T207 D5	
2259 G13	T208 D5	
2260 G13	T209 D5	
2261 H12	T210 H7	
2262 H13	T211 A12	
2263 H13	T212 D5	
2264 I1	T213 E5	
2265 I2	T214 E5	
2266 B12	T215 E5	
2267 B12	T216 E5	
2268 A11	T217 E5	
2269 A9	T218 E5	
2270 A8	T219 E5	
2271 A1	T220 E5	
2272 A2	T221 E4	
2273 A3	T222 A13	
2274 C2	T223 D1	
2275 E3	T224 D1	
2276 E3	T225 G9	
2277 E3	T226 G9	
2278 G3	T227 G9	
3201 A13	T228 H7	
3202 A13	T229 G8	
3203 A4	T230 H8	
3204 A5	T231 G9	
3205 B6	T232 G8	
3206 A3	T233 H7	
3207 A4	T234 G4	
3208 A5	T235 G4	
3209 B5	T236 H4	
3210 A9	T237 G4	
3212 A4	T238 H4	
3213 B13	T239 G4	
3214 B7	T240 I7	
3215 B7	T241 I7	
3216 B4	T242 C9	
3217 C10	T243 B10	
3218 C4	T244 B10	
3219 C9	T245 B3	
3220 C10	T246 B13	
3221 C10	T247 B5	
3222 C10	T248 B5	
3223 D13	T249 B5	
3224 A1	T250 B5	
3225 A2	T251 B5	
3226 B3	T252 B5	
3227 B3	T253 C1	
3228 C1	T254 C1	
3229 C2	T255 D1	
3230 A4	T257 D1	
3231 F5	T258 D1	
3232 E3	T259 D1	
3233 E3	T268 E1	
3234 H8	T272 H4	
3235 H8	T273 G4	

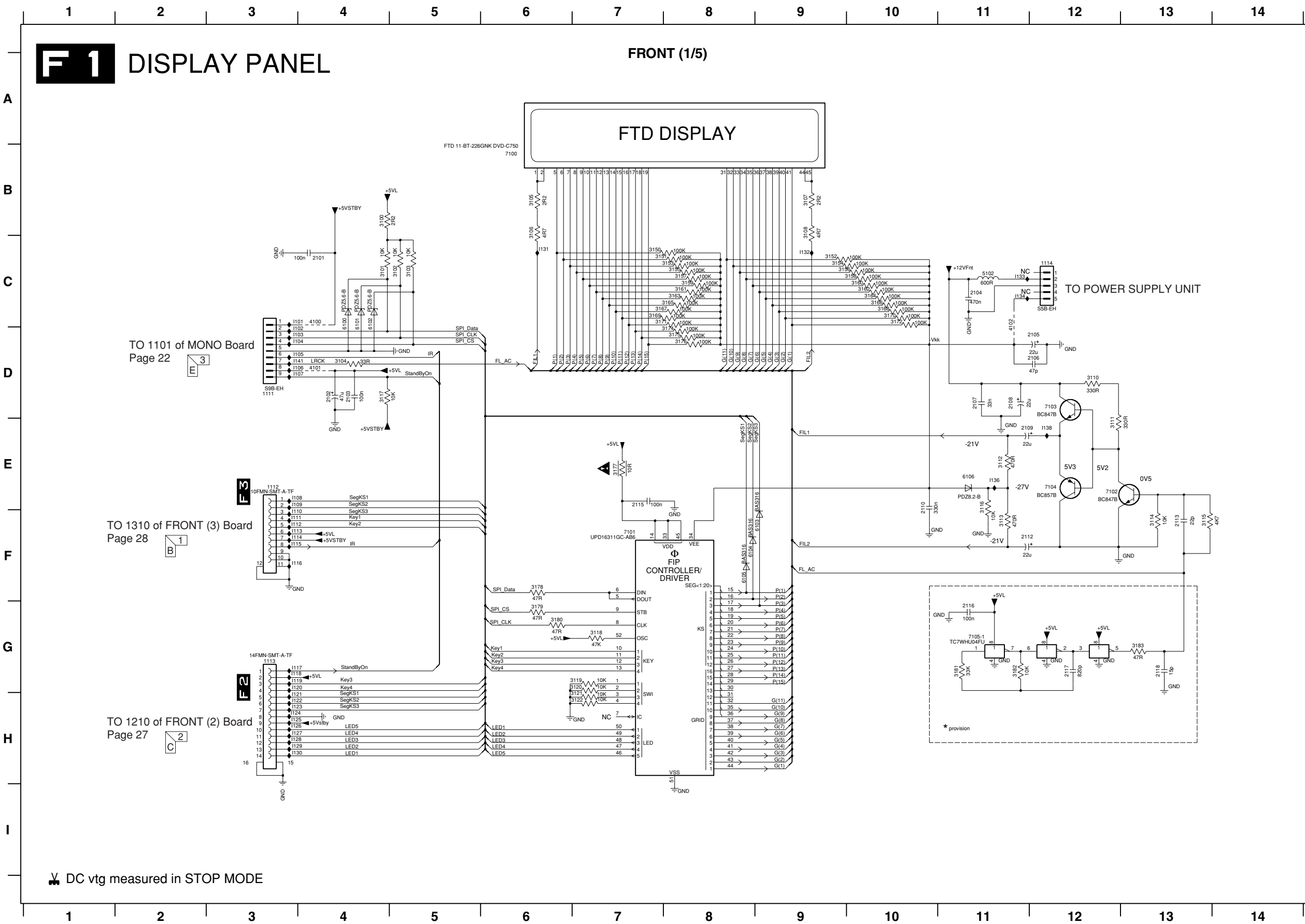


7301 IS42S16100C1-6TL
7302 IS42S16400B-7T
7303 M29W160E170
7304 M24C16-WMN6

* Provision
#0 32M Flash Only

* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

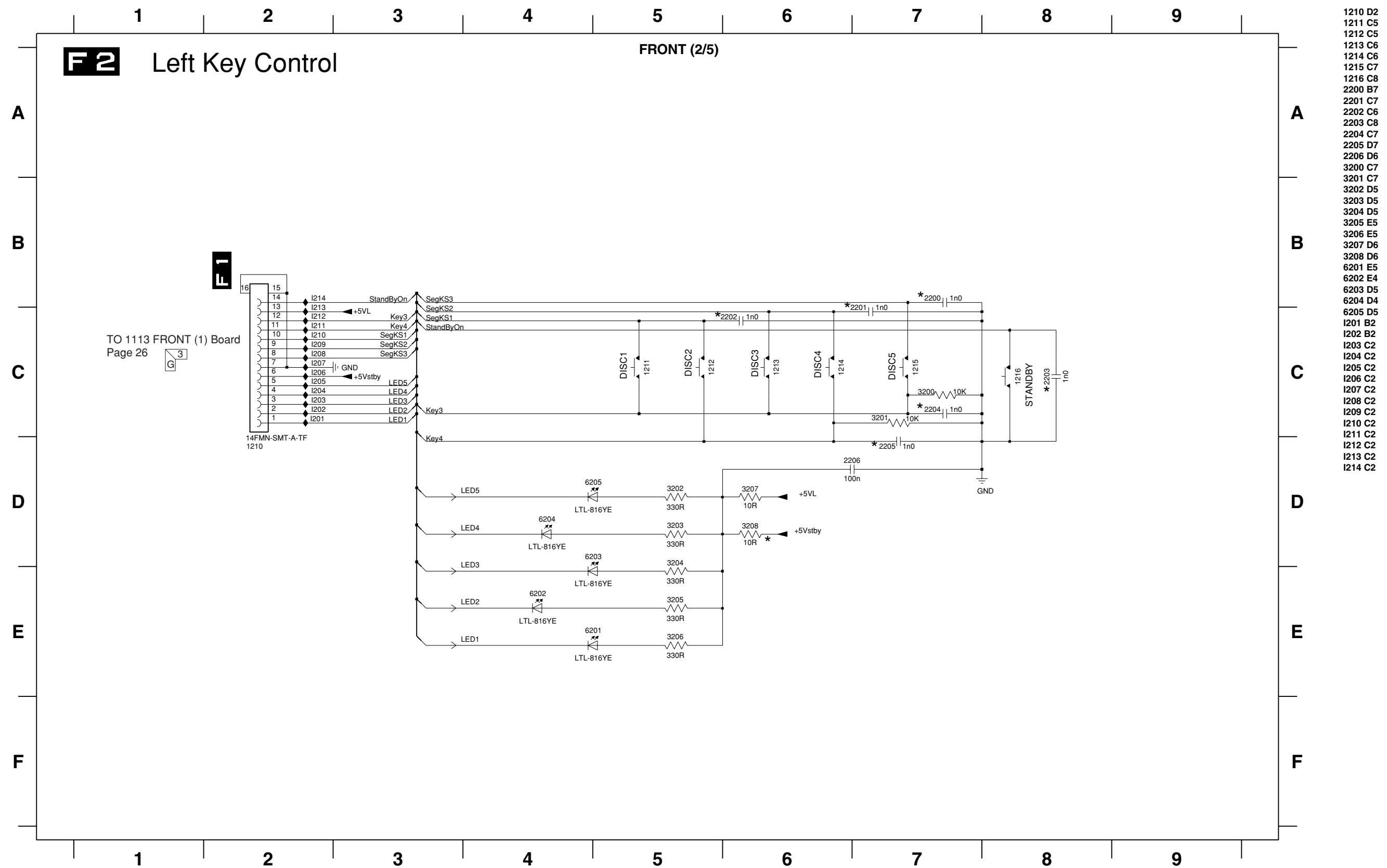




- I123 H3
- I124 H3
- I125 H3
- I126 H3
- I127 H3
- I128 H3
- I129 H3
- I130 H3
- I131 C6
- I132 C9
- I133 C11
- I134 C11
- I136 E11
- I138 E12
- I141 D4
- I111 D3
- I112 E3
- I113 G3
- I114 C12
- I201 C4
- I202 D4
- I203 D4
- I204 C11
- I205 D12
- I206 D12
- I207 D11
- I208 D11
- I209 E11
- I210 E10
- I212 F11
- I213 F13
- I215 E7
- I216 G11
- I217 G12
- I218 G13
- I300 B4
- I301 C4
- I302 C5
- I303 C5
- I304 D4
- I305 B6
- I306 B6
- I307 B9
- I308 B9
- I310 D12
- I311 E12
- I312 E11
- I313 F11
- I314 F13
- I315 F13
- I316 E11
- I317 D4
- I318 G7
- I319 G7
- I320 G7
- I321 H7
- I322 H7
- I350 C7
- I351 C7
- I352 C9
- I353 C8
- I354 C9
- I355 C8
- I356 C9
- I357 C8
- I358 C10
- I359 C8
- I360 C10
- I361 C8
- I362 C10
- I363 C8
- I364 C10
- I365 C8
- I366 C10
- I367 C7
- I368 C10
- I369 C7
- I370 C10
- I371 C7
- I372 C10
- I374 D8
- I375 D8
- I376 D8
- I377 E7
- I378 F6
- I379 G6
- I380 G6
- I381 G11
- I382 G11
- I383 G13
- I400 C4
- I401 D4
- I402 C11
- I502 C11
- I600 C4
- I601 C4
- I602 C4
- I603 F9
- I604 F8
- I605 F8
- I606 E11
- I700 B6
- I701 F7
- I702 E12
- I703 D12
- I704 E12
- I705-1 G11
- I101 C4
- I102 D4
- I103 D4
- I104 D4
- I105 D4
- I106 D4
- I107 D4
- I108 E3
- I109 E3
- I110 F3
- I111 F3
- I112 F3
- I113 F3
- I114 F3
- I115 F3
- I116 F3
- I117 G3
- I118 G3
- I119 G3
- I120 G3
- I121 H3
- I122 H3

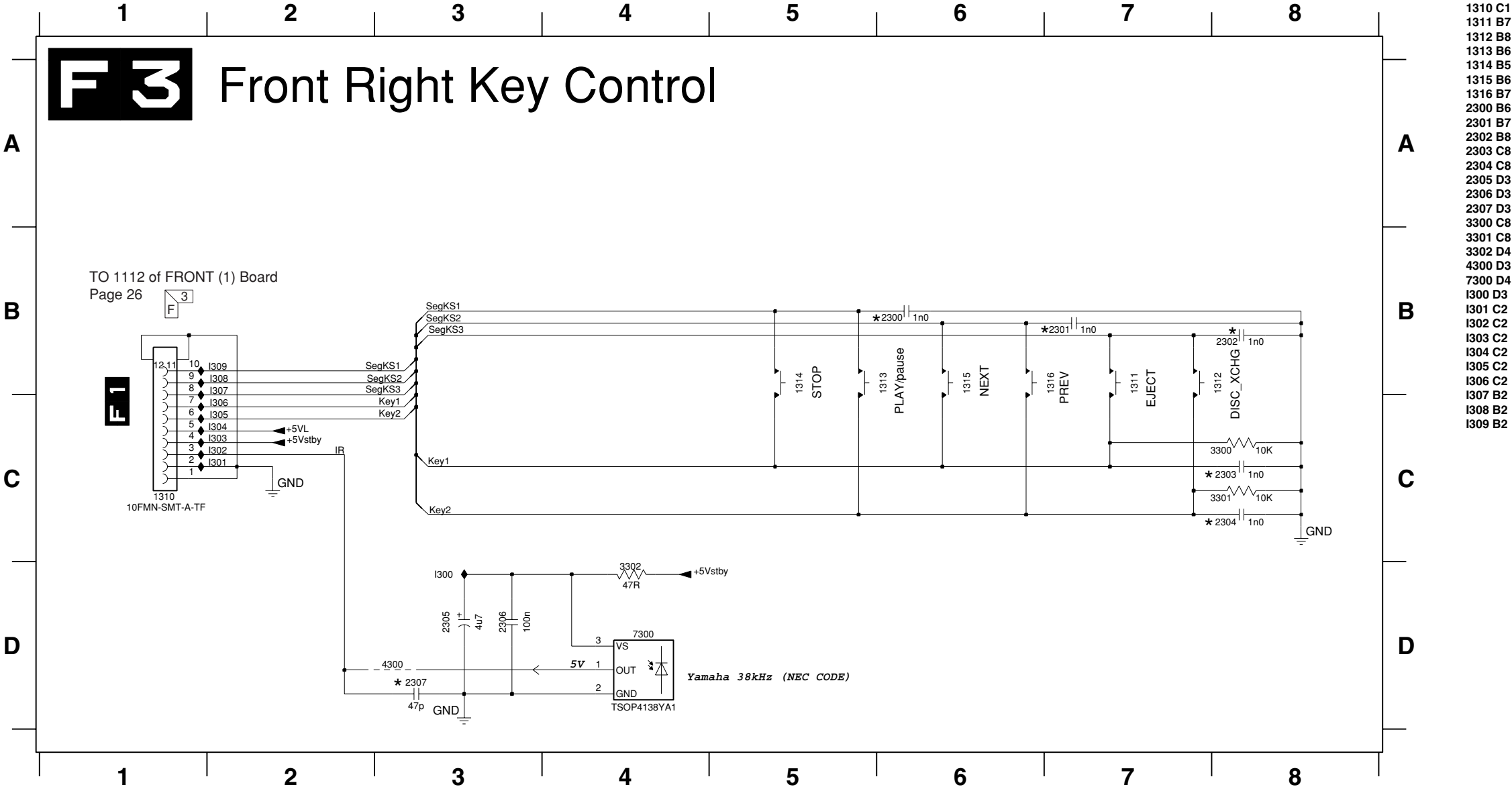
* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.

* Schematic diagram is subject to change without notice.



* Not Used

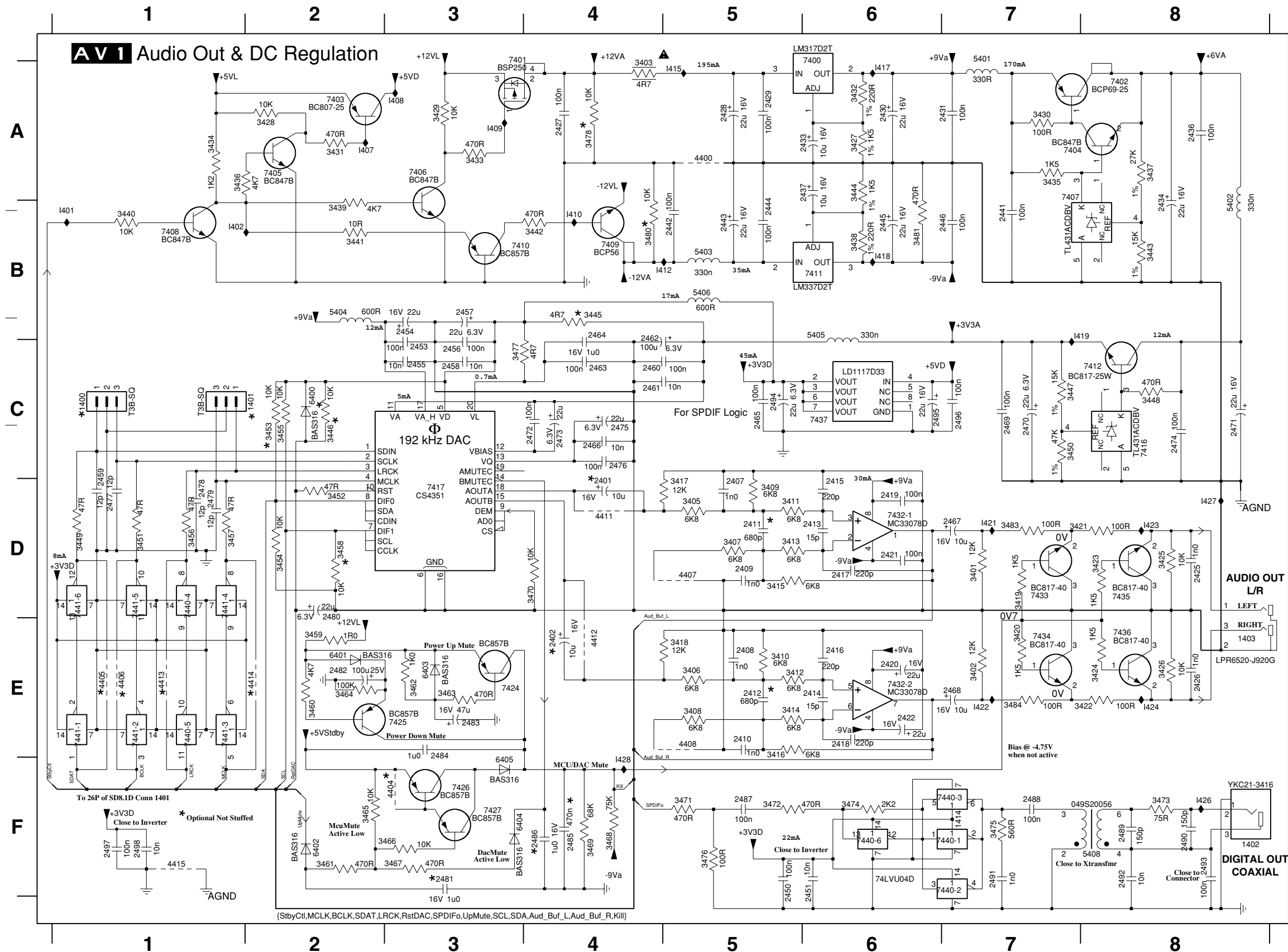
FRONT (3/5)



* OPTIONAL

* Components having special characteristics are marked $\triangle$ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

FRONT (4/5)

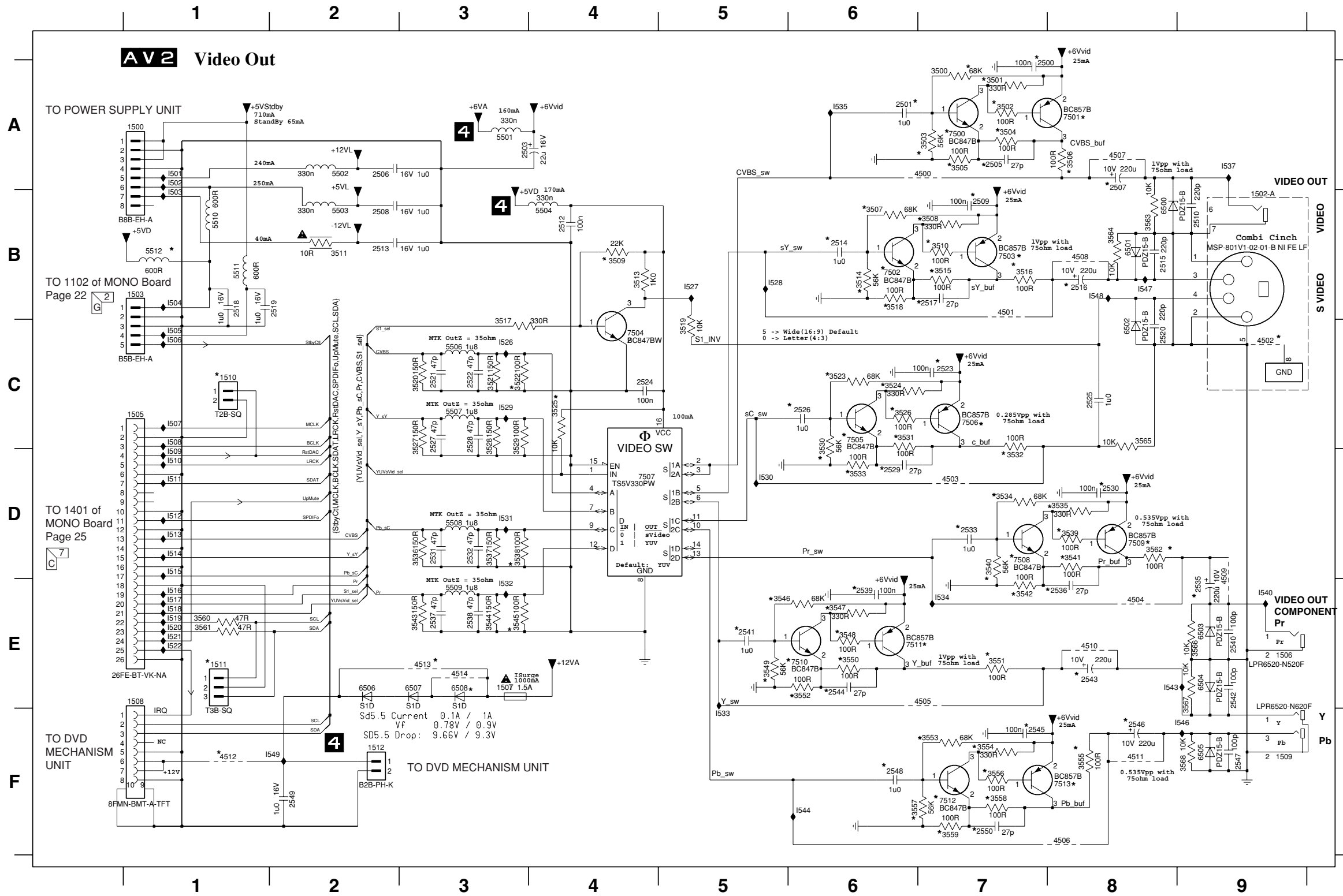


1400 C1	2492 F8	3475 F7	I419 B8
1401 C2	2493 F8	3476 F5	I421 D7
1402 F8	2494 C5	3477 C3	I422 E7
1403 E8	2495 C6	3478 A4	I423 D8
2401 D4	2496 C7	3480 B4	I424 E8
2402 E4	2497 F1	3481 B6	I426 F8
2407 C5	2498 F1	3483 D7	I427 D8
2408 E5	3401 D7	3484 E7	I428 F4
2409 D5	3402 E7	4400 A5	
2410 E5	3403 A4	4404 F3	
2411 D5	3405 D5	4405 E1	
2412 E5	3406 E5	4406 E1	
2413 D6	3407 D5	4407 D5	
2414 E6	3408 E5	4408 E5	
2415 C6	3409 D5	4411 D4	
2416 E6	3410 E5	4412 E4	
2417 D6	3411 D5	4413 E1	
2418 E6	3412 E5	4414 E2	
2419 D6	3413 D5	4415 F1	
2420 E6	3414 E5	5401 A7	
2421 D6	3415 D5	5402 B8	
2422 E6	3416 F5	5403 B5	
2425 D8	3417 C5	5404 B2	
2426 E8	3418 E5	5405 B6	
2427 A4	3419 D7	5406 B5	
2428 A5	3420 E7	5408 F8	
2429 A5	3421 D7	6400 C2	
2430 A6	3422 E8	6401 E2	
2431 A7	3423 D8	6402 F2	
2433 A6	3424 E8	6403 E3	
2434 B8	3425 D8	6404 F3	
2436 A8	3426 E8	6405 F3	
2437 A6	3427 A6	7400 A6	
2441 B7	3428 A2	7401 A4	
2442 B5	3429 A3	7402 A8	
2443 B5	3430 A7	7403 A2	
2444 B5	3431 A2	7404 A8	
2445 B6	3432 A6	7405 A2	
2446 B7	3433 A3	7406 A3	
2450 F5	3434 A1	7407 A7	
2451 F6	3435 A7	7408 B1	
2453 C3	3436 A1	7409 B4	
2454 B3	3437 A8	7410 B4	
2455 C3	3438 B6	7411 B6	
2456 C3	3439 B2	7412 C8	
2457 B3	3440 B1	7416 C8	
2458 C3	3441 B2	7417 D3	
2459 C1	3442 B4	7424 E3	
2460 C4	3443 B8	7425 E3	
2461 C4	3444 A6	7426 F3	
2462 C4	3445 B4	7427 F3	
2463 C4	3446 C2	7432-1 D6	
2464 B4	3447 C7	7432-2 E6	
2465 C5	3448 C8	7433 D7	
2466 C4	3449 D1	7434 E7	
2467 D7	3450 C7	7435 D8	
2468 E7	3451 D1	7436 E8	
2469 C7	3452 D2	7437 C6	
2470 C7	3453 C2	7440-1 F7	
2471 C8	3454 D2	7440-2 F7	
2472 C4	3455 C2	7440-3 F7	
2473 C4	3456 D1	7440-4 D1	
2474 C8	3457 D1	7440-5 E1	
2475 C4	3458 D2	7440-6 F6	
2476 C4	3459 E2	7441-1 E1	
2477 D1	3460 E2	7441-2 E1	
2478 D1	3461 F2	7441-3 E1	
2479 D1	3462 E3	7441-4 D1	
2480 E2	3463 E3	7441-5 D1	
2481 F3	3464 E2	7441-6 D1	
2482 E2	3465 F2	I401 B1	
2483 E3	3466 F3	I402 B1	
2484 F3	3467 F3	I407 A2	
2485 F4	3468 F4	I408 A3	
2486 F4	3469 F4	I409 A3	
2487 F5	3470 D4	I410 B4	
2488 F7	3471 F5	I412 B5	
2489 F8	3472 F5	I415 A5	
2490 F8	3473 F8	I417 A6	
2491 F7	3474 F6	I418 B6	

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* Schematic diagram is subject to change without notice.

FRONT (5/5)



1500 A1	3520 C3	6502 C8
1502-A B9	3521 C3	6503 E9
1503 B1	3522 C3	6504 E9
1505 C1	3523 C6	6505 F9
1506 E9	3524 C6	6506 E2
1507 E3	3525 C4	6507 E3
1508 E1	3526 C6	6508 E3
1509 F9	3527 C3	7500 A7
1510 C1	3528 C3	7501 A8
1511 E1	3529 C3	7502 B6
1512 F2	3530 C6	7503 B7
2500 A7	3531 C6	7504 C4
2501 A6	3532 D7	7505 C6
2503 A3	3533 D6	7506 C7
2505 A7	3534 D7	7507 D4
2506 A2	3535 D8	7508 D7
2507 B8	3536 D3	7509 D8
2508 B2	3537 D3	7510 E6
2509 B7	3538 D3	7511 E6
2510 B9	3539 D8	7512 F7
2512 B4	3540 D7	7513 F8
2513 B2	3541 D8	I501 A1
2514 B6	3542 E7	I502 A1
2515 B8	3543 E3	I503 B1
2516 B8	3544 E3	I504 B1
2517 B7	3545 E3	I505 C1
2518 B1	3546 E5	I506 C1
2519 B2	3547 E6	I507 C1
2520 C8	3548 E6	I508 C1
2521 C3	3549 E5	I509 D1
2522 C3	3550 E6	I510 D1
2523 C7	3551 E7	I511 D1
2524 C4	3552 E6	I512 D1
2525 C8	3553 F7	I513 D1
2526 C6	3554 F7	I514 D1
2527 C3	3555 F8	I515 D1
2528 C3	3556 F7	I516 E1
2529 D6	3557 F6	I517 E1
2530 D8	3558 F7	I518 E1
2531 D3	3559 F7	I519 E1
2532 D3	3560 E1	I520 E1
2533 D7	3561 E1	I521 E1
2535 E9	3562 D8	I522 E1
2536 E8	3563 B8	I526 C3
2537 E3	3564 B8	I527 B5
2538 E3	3565 C8	I528 B5
2539 E6	3566 E9	I529 C3
2540 E9	3567 E9	I530 D5
2541 E5	3568 F9	I531 D3
2542 E9	4500 A7	I532 E3
2543 E8	4501 B7	I533 F5
2544 E6	4502 C9	I534 E7
2545 F7	4503 D7	I535 A6
2546 F8	4504 E8	I537 A9
2547 F9	4505 E7	I540 E9
2548 F6	4506 F8	I543 E8
2549 F2	4507 A8	I544 F6
2550 F7	4508 B8	I546 F9
3500 A7	4509 D9	I547 B9
3501 A7	4510 E8	I548 B8
3502 A7	4511 F8	I549 F2
3503 A7	4512 F1	
3504 A7	4513 E3	
3505 A7	4514 E3	
3506 A8	5501 A3	
3507 B6	5502 A2	
3508 B7	5503 B2	
3509 B4	5504 B4	
3510 B7	5506 C3	
3511 B2	5507 C3	
3513 B4	5508 D3	
3514 B6	5509 E3	
3515 B7	5510 B1	
3516 B7	5511 B1	
3517 B3	5512 B1	
3518 B6	6500 B8	
3519 C5	6501 B8	

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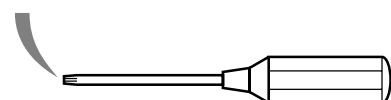
REPLACEMENT PARTS LIST

EXPLODED VIEW

When disassembling, use the special screw driver with tip shape in figure.

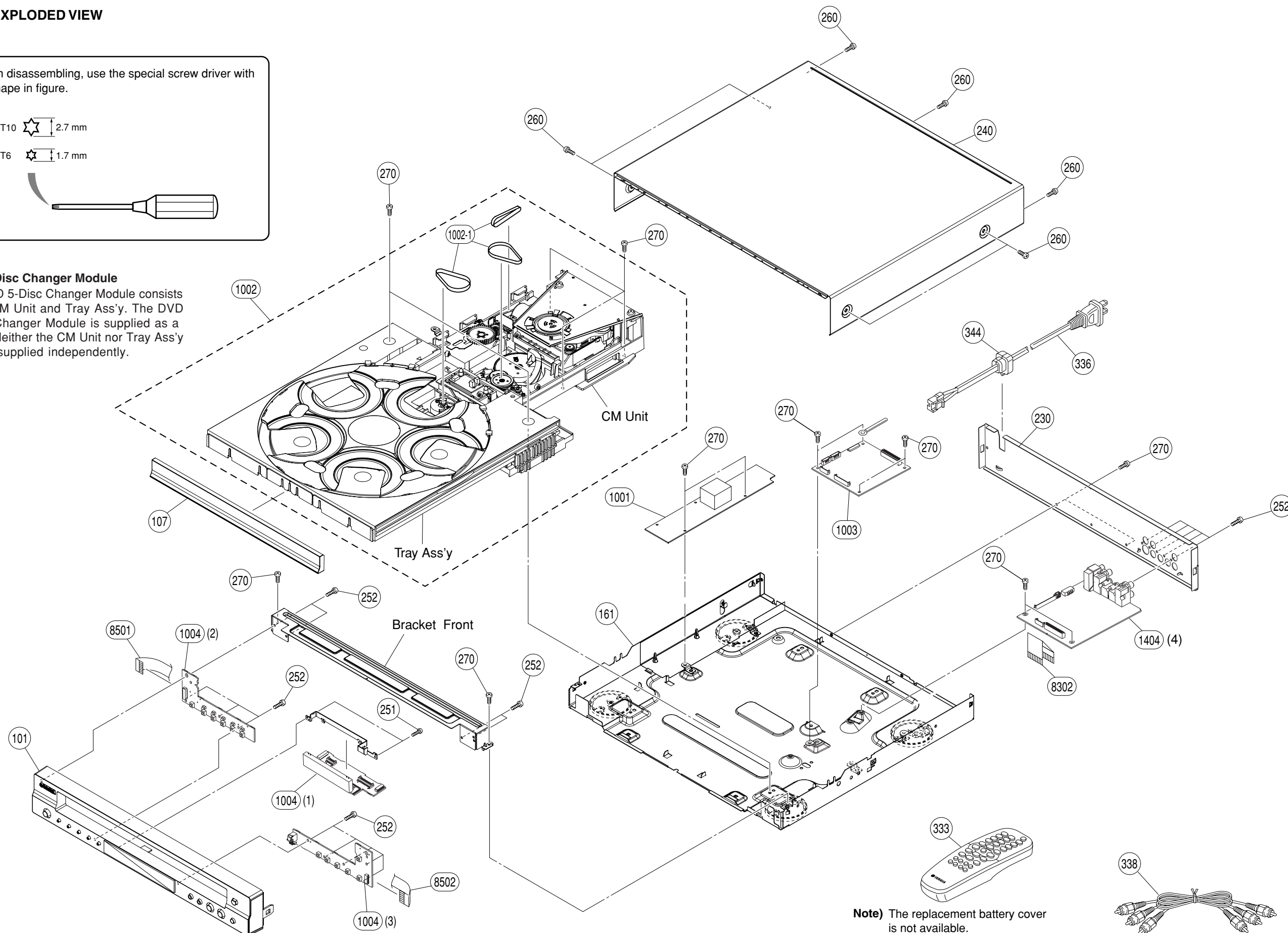
T10  2.7 mm

T6  1.7 mm



DVD 5-Disc Changer Module

The DVD 5-Disc Changer Module consists of the CM Unit and Tray Ass'y. The DVD 5-Disc Changer Module is supplied as a whole. Neither the CM Unit nor Tray Ass'y can be supplied independently.



Note) The replacement battery cover is not available.

● REPLACEMENT PARTS LIST

Ref. No.	Part No.	Description	Remarks	Markets
* 101	AAX76560	FRONT PANEL ASS'Y	BL	3141 079 34811
* 101	AAX76550	FRONT PANEL ASS'Y	SI	3141 079 34801
* 107	AAX76510	TRAY COVER	BL	3139 244 09781
* 107	AAX76520	TRAY COVER	SI	3139 244 10071
* 161	AAX76540	FRAME ASS'Y	BL	3141 079 34831
* 161	AAX76530	FRAME ASS'Y	SI	3141 079 34821
* 230	AAX76570	REAR PANEL		3139 241 23731
240	AAX59320	TOP COVER	BL	3139 241 22041
240	AAX59330	TOP COVER	SI	3139 241 22201
* 251	AAX59360	PAN HEAD TORX S-TIGHT SCREW	2x8 MFZN2BL	2511 076 50003
252	AAX53520	PAN HEAD TORX P-TIGHT SCREW	3x8 MFZN2BL	2511 076 50012
260	AAX23640	PAN HEAD TORX S-TIGHT SCREW	BL 3x6 MFZN2BL	2511 077 00039
260	AAX23650	PAN HEAD TORX S-TIGHT SCREW	SI 3x6 MFN133	2511 077 01039
270	AAX23640	PAN HEAD TORX S-TIGHT SCREW	3x6 MFZN2BL	2511 077 00039
△ 336	AAX47750	POWER CABLE	1.8m	2422 070 98235
344	AAX53540	BUSH	450H259010	3139 114 26671
△ * 1001	AAX76590	POWER SUPPLY UNIT	05P15	3139 247 12181
* 1002	AAX76450	DVD 5-DISC CHANGER MODULE	SD5.5	3139 247 12371
1002-1	VQ776900	BELT	V	
* 1003	AAX76460	P.C.B. ASS'Y	MONO SD8.1D 2C	3139 248 86521
* 1004	AAX76470	P.C.B. ASS'Y	FRONT	3139 248 87251
* 8302	AAX76500	FLEXIBLE FLAT CABLE	26P 60mm P=1mm	3139 241 01791
* 8501	AAX76490	FLEXIBLE FLAT CABLE	14P 220mm P=1mm	3139 241 01031
* 8502	AAX76480	FLEXIBLE FLAT CABLE	10P 220mm P=1mm	3139 110 35471
* 333	AAX76580	ACCESSORIES REMOTE CONTROL	RC19133015/01	3139 238 12421
338	AAX23450	AUDIO/VIDEO CABLE BATTERY	YE/RD/WH 1.5m 1pc UM-3 2pcs	2422 076 00304

* New Parts

DV-C6860

YAMAHA