

DVD HOME THEATER SOUND SYSTEM DVX-C310/DVX-C310SW

DVR-C310

SERVICE MANUAL

DVX-C310 consists of the DVR-C310 and NX-P300.

DVX-C310SW consists of the DVR-C310 and NX-SW300.

This service manual is for the DVR-C310.

For the NX-P300 and NX-SW300 service manual, please refer to the following publication number :

DVR-C300/NX-P300 (Including NX-SW300) 100946

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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This Service Manual uses recycled paper.

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YAMAHA


YAMAHA CORPORATION
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'06.07

DVR-C310

■ TO SERVICE PERSONNEL

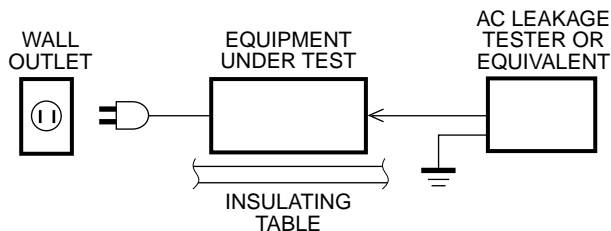
1. Critical Components Information

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



THE DVD AUDIO/VIDEO PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

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 precautions 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)
 784 nm (VCD/CD)
 Output Power: 7 mW (DVD/VCD/CD)
 Beam divergence: 60 degree

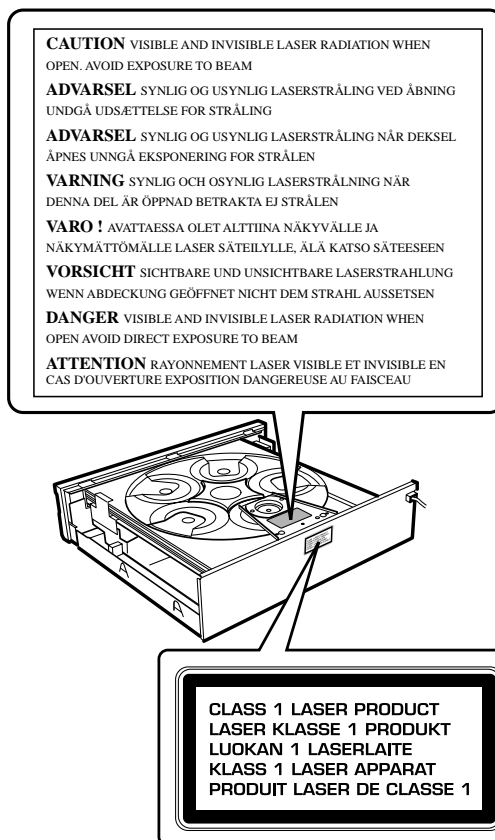
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASER-SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

WARNING! : 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!

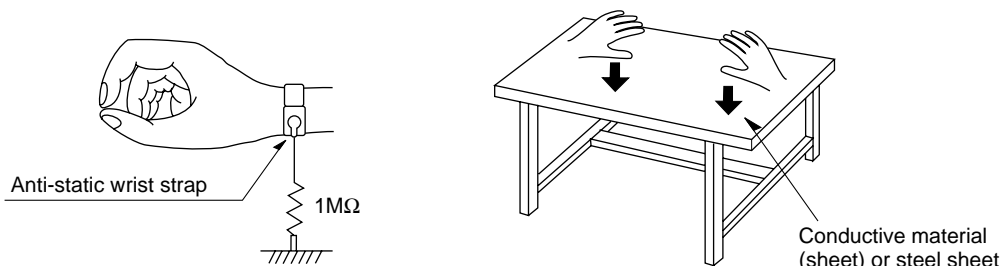
The DVD mechanism is very sensitive for dropping or giving shocks.

■ PREVENTION OF ELECTROSTATIC DISCHARGE

The laser diode in the traverse unit (optical pickup) may be damaged due to static electricity from clothes or the human body. Use caution to prevent electrostatic damage when servicing or handling the laser diode.

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.

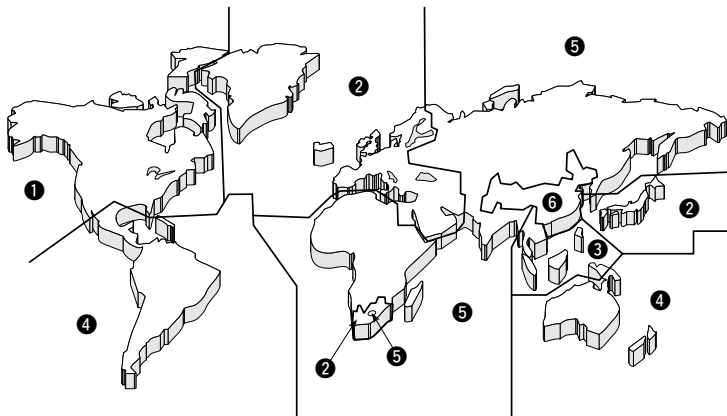
3. Handling Precautions for the Traverse Unit (Optical Pickup)

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.

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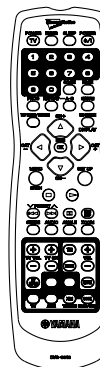
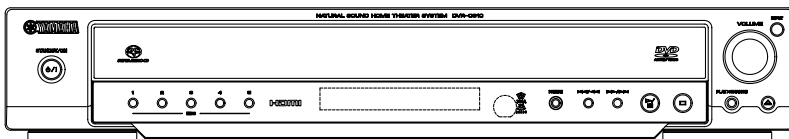


SYSTEM COMPOSITION

DVX-C310 consists of the DVR-C310 and NX-P300.

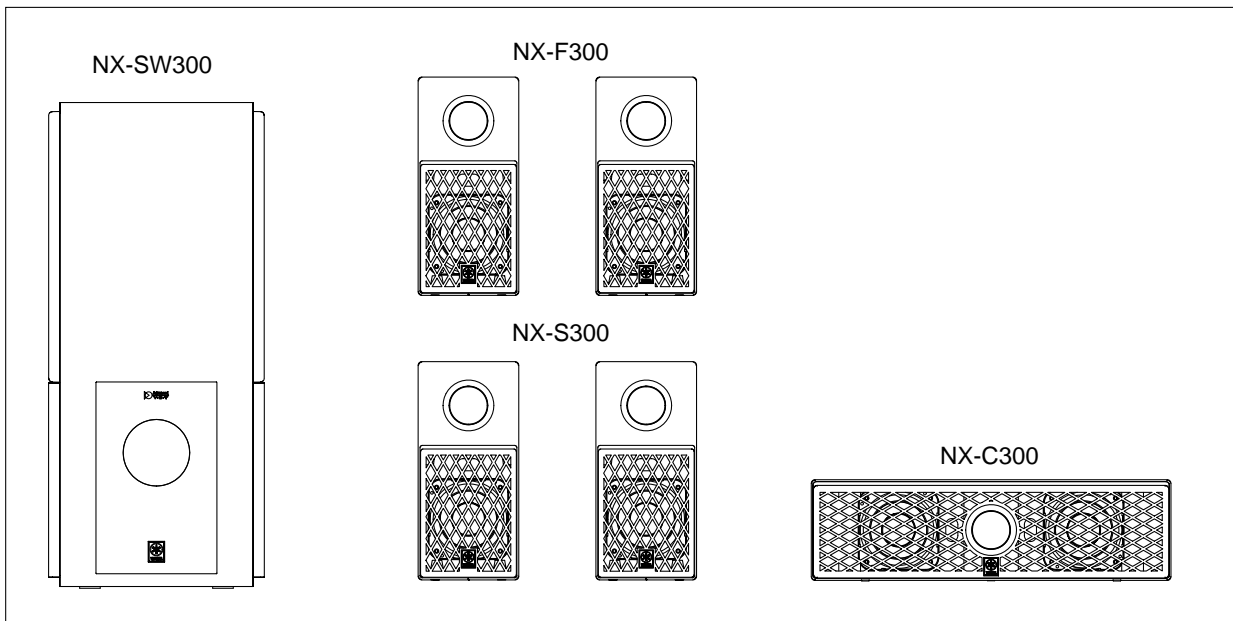
DVX-C310SW consists of the DVR-C310 and NX-SW300.

DVR-C310

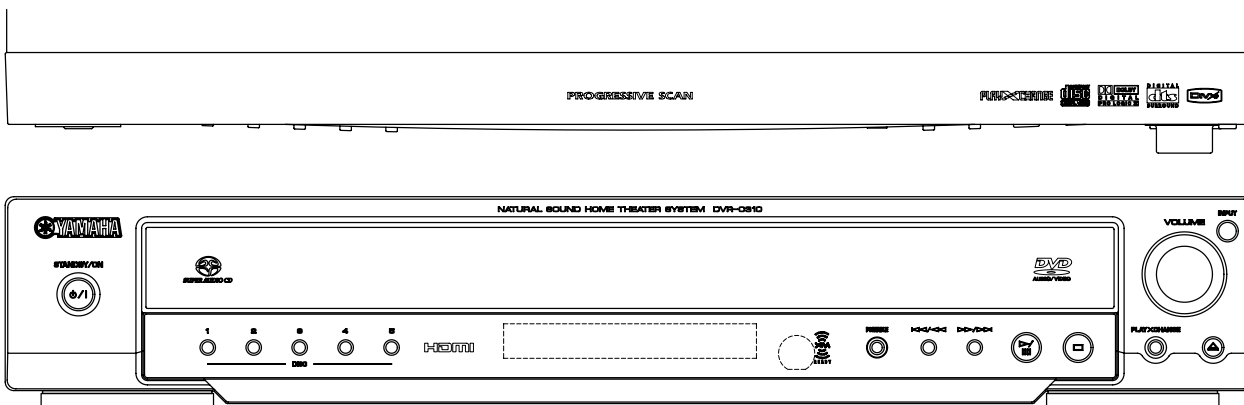


NX-P300

For the NX-P300 and NX-SW300 service manual, please refer to the DVR-C300/NX-P300 (Including NX-SW300) service manual (number : 100946).



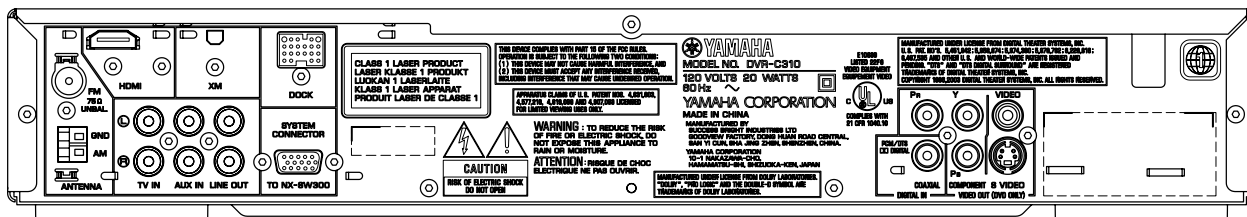
FRONT PANEL



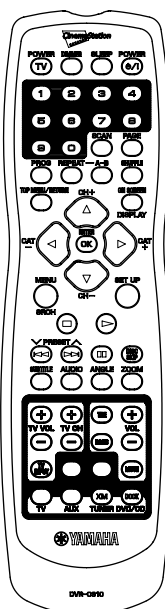
DVR-C310

REAR PANEL

▼ DVR-C310 (U, C models)



REMOTE CONTROL PANEL



SPECIFICATIONS

TUNER SECTION

FM Tuning Range	87.50 to 108.00 MHz	4 Hz to 22 kHz (48 kHz)
AM Tuning Range	530 to 1700 kHz	4 Hz to 44 kHz (96 kHz)

DISC SECTION

Laser Type	Semiconductor
Disc Diameter	12cm / 8cm
Video Decoding	MPEG-1 / MPEG-2 / DivX® 5, DivX® 4, DivX® 3

Video DAC	12 bits/108 MHz
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Composite Video Output	1.0 Vp-p, 75 ohms
S-video Output	Y - 1.0 Vp-p, 75 ohms C - 0.3 Vp-p, 75 ohms
Component Video Output	Y - 1.0 Vp-p, 75 ohms Pb/Cb Pr/CR - 0.7 Vp-p, 75 ohms
Audio DAC	24 bits / 192 kHz
Frequency Response	4 Hz to 20 kHz (44.1 kHz)

Audio S/N	105 dB
Distortion	0.0035 %
Dynamic Range	95 dB

AUDIO FORMAT

Digital	Dolby Digital/DTS/	
	MPEG	Compressed Digital
	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 to 192 kbps, mono, stereo
	Full decoding of Dolby Digital and DTS multi-channel sound/ Dolby Surround Compatible Downmix from Dolby Digital multi-channel sound	
	Dolby Pro Logic II	

GENERAL

Power Supply Rating	
U, C models	120 V, 60 Hz
Power Consumption	20 W
Frequency Response	20 Hz to 20 kHz / -3 dB (Front, Center, Surround)
Signal to Noise Ratio	> 100 dB
Input Sensitivity	
AUX In, TV In	300 mV
Dimensions (W x H x D)	435 x 75 x 434 mm (17-1/8" x 2-15/16" x 17-1/16")
Weight	5.6 kg (12 lbs. 5 oz.)
Finish	Black color (U, C models) Silver color (U, C models)

ACCESSORIES

Remote Control	x1
Battery	x2
Indoor FM Antenna	x1
AM Loop Antenna	x1
Video Pin Cable (1.5m)	x1
System Control Cable (4m)	x1

* *Specifications subject to change without prior notice.*

PLAYXCHANGE

Capable of changing discs without interrupting current disc playback.

Pressing PLAYXCHANGE on the front panel to open the disc tray and reload or unload discs during playback.



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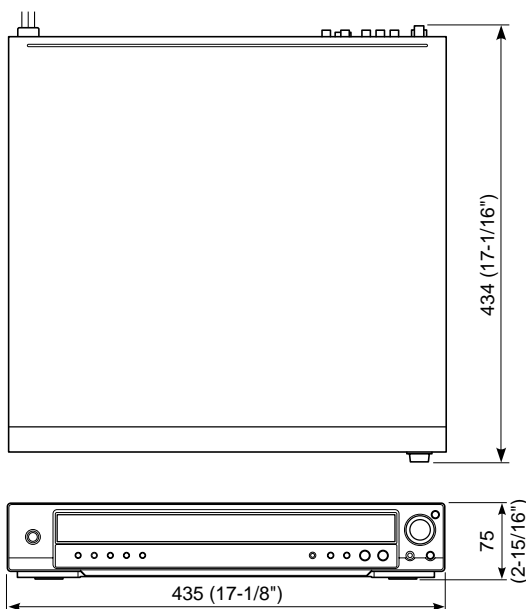
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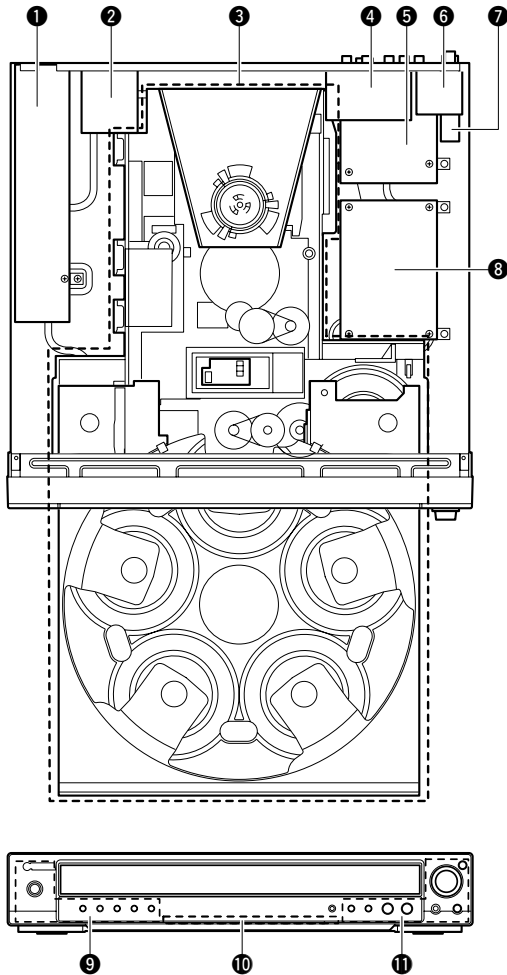
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■ DIMENSIONS

Unit : mm (inch)

INTERNAL VIEW



- ① POWER SUPPLY UNIT
- ② FRONT (4) P.C.B.
- ③ DVD 5-DISC CHANGER MODULE
- ④ XM P.C.B.
- ⑤ AV P.C.B.
- ⑥ HDMI P.C.B.
- ⑦ TUNER
- ⑧ MONO P.C.B.
- ⑨ FRONT (2) P.C.B.
- ⑩ FRONT (3) P.C.B.
- ⑪ FRONT (1) 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.

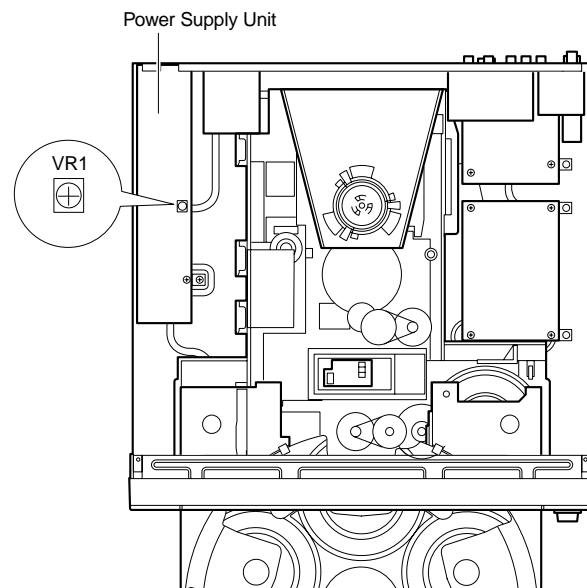
2. P.C.B. ASS'Y

None of the components of the following unit can be supplied separately. Each unit must be replaced as a whole in case of a failure.

- MONO P.C.B.
- FRONT P.C.B.
- AV P.C.B.
- XM P.C.B.
- HDMI P.C.B.
- Power Supply Unit

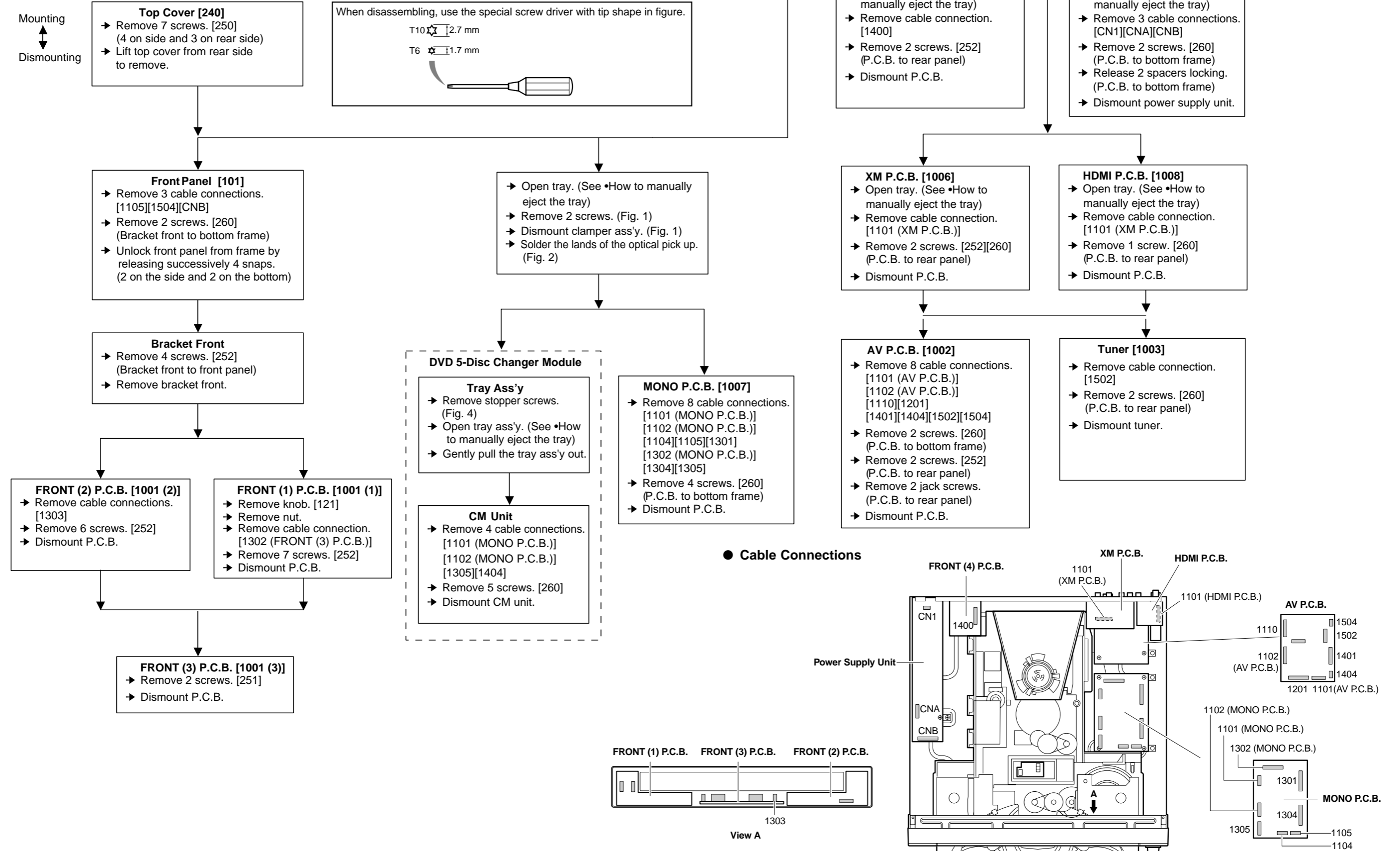
3. Power Supply Unit

Never touch the potentiometer (VR1) installed to the power supply unit.



DISASSEMBLY PROCEDURES

See overall ass'y for item numbers



● 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.

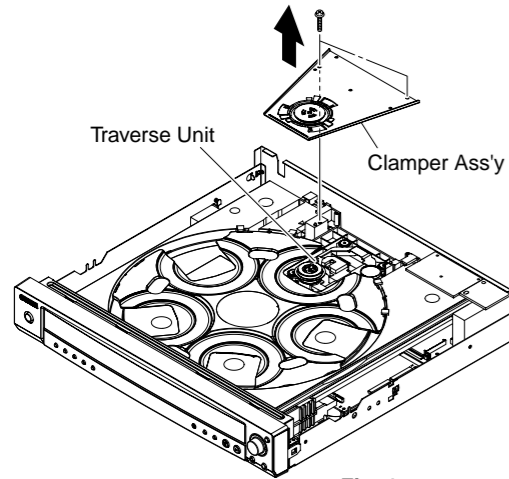


Fig. 1

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.

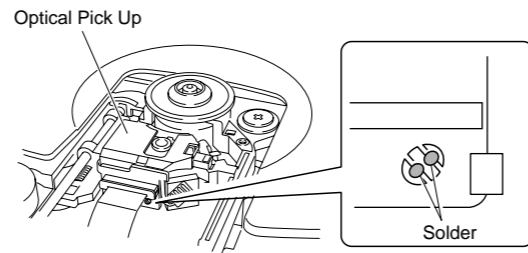


Fig. 2

● 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.

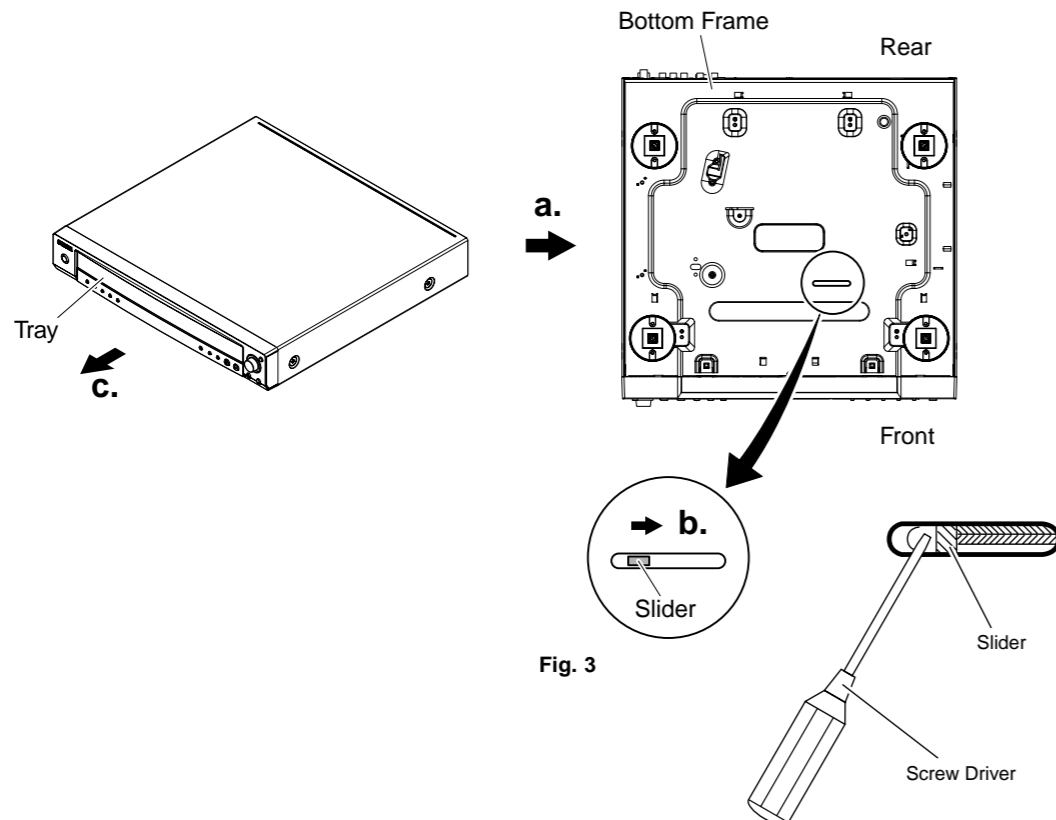


Fig. 3

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 (①).
- Remove the tray ass'y.

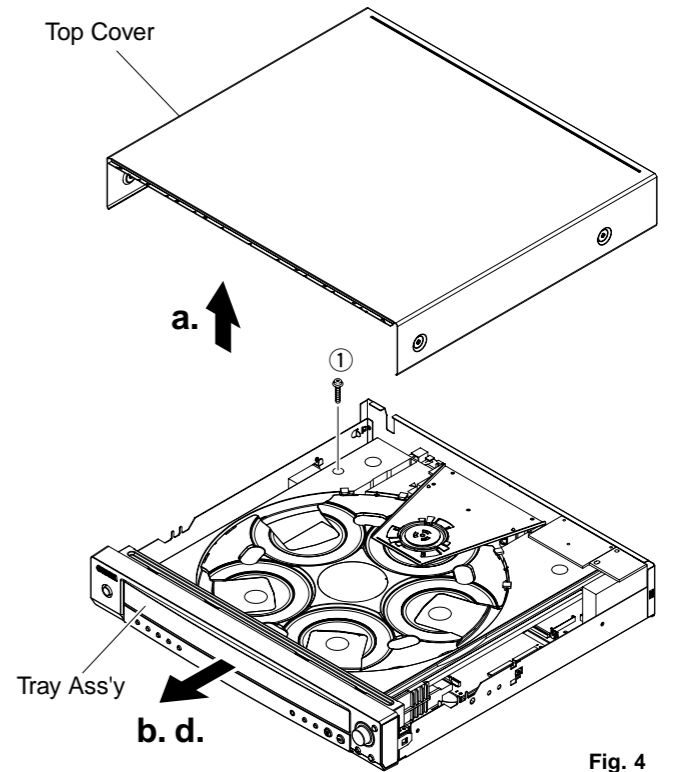


Fig. 4

● Precaution for installation of the tray ass'y.

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

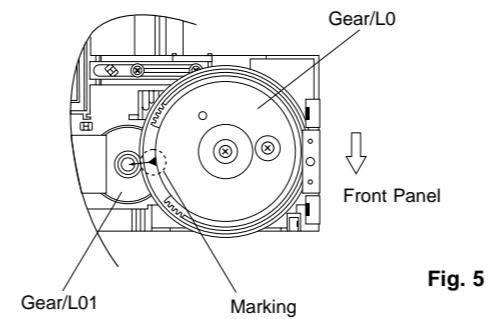


Fig. 5

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.

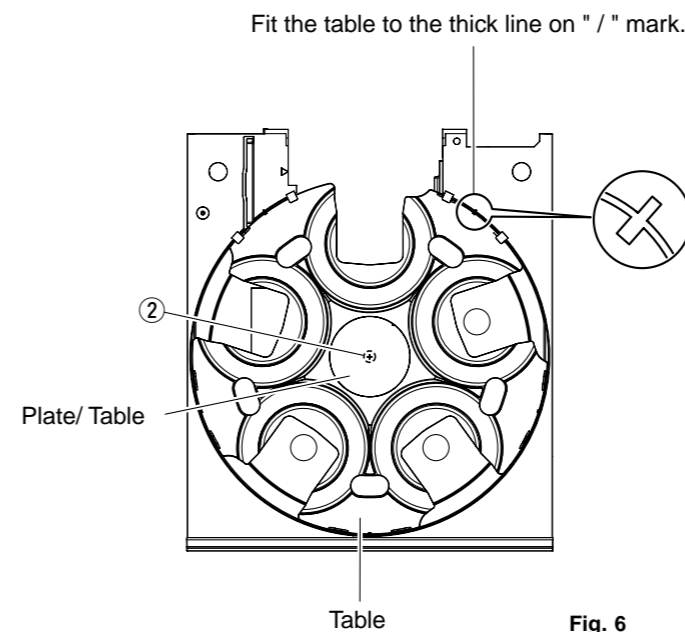


Fig. 6

IMPORTANT: Installation of Table.

Install the table according to the following procedure.

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

*Check that the table is locked after installation.

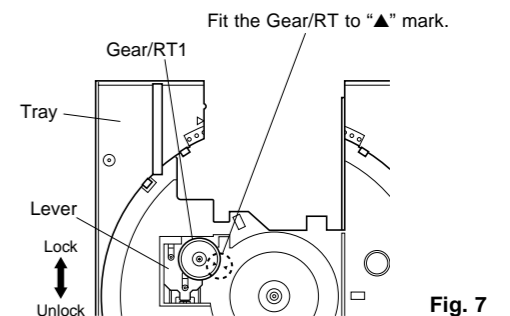
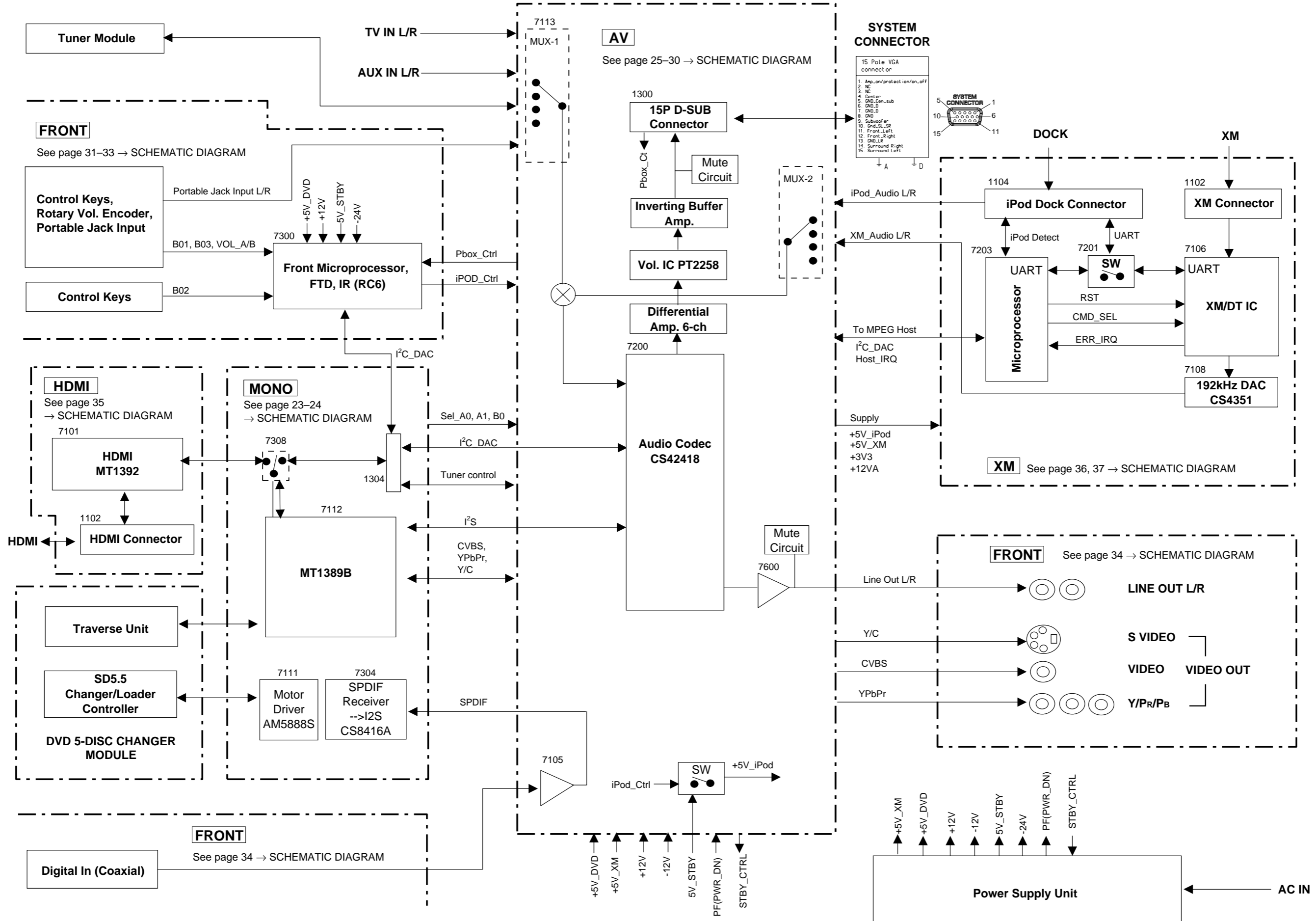


Fig. 7

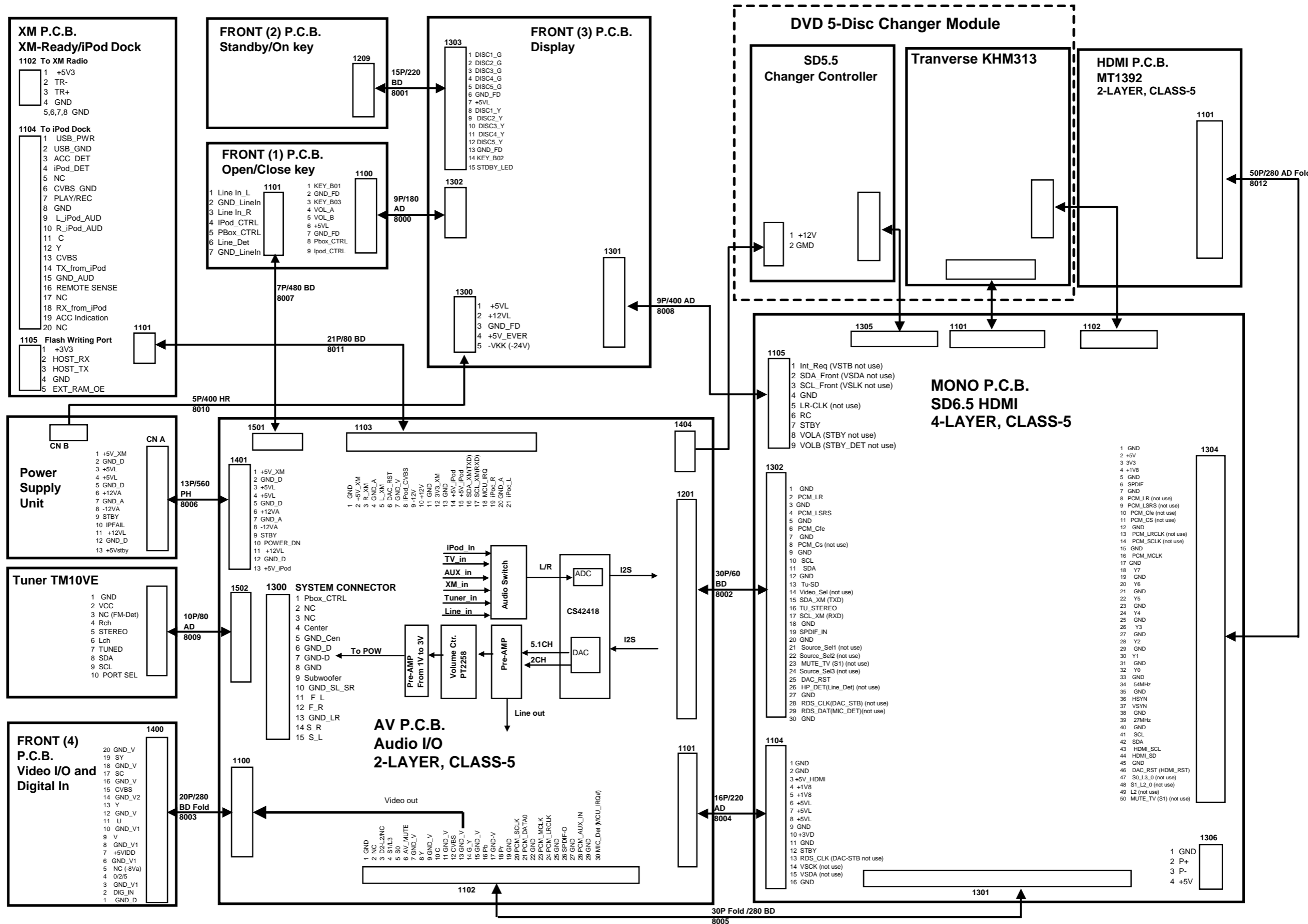
MEMO

■ BLOCK DIAGRAM



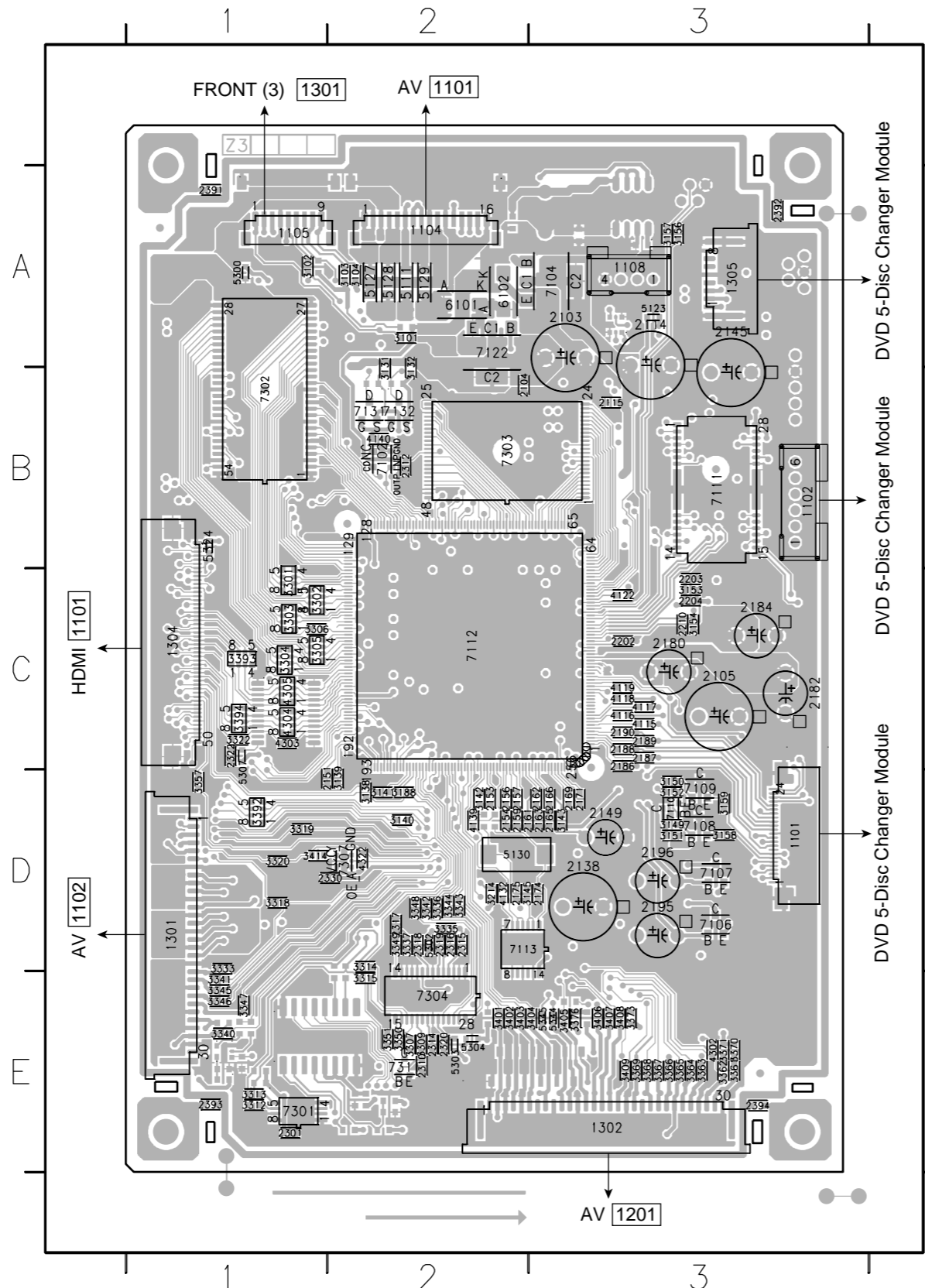
WIRING DIAGRAM

A
B
C
D
E
F



■ PRINTED CIRCUIT BOARDS
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

MONO Top View

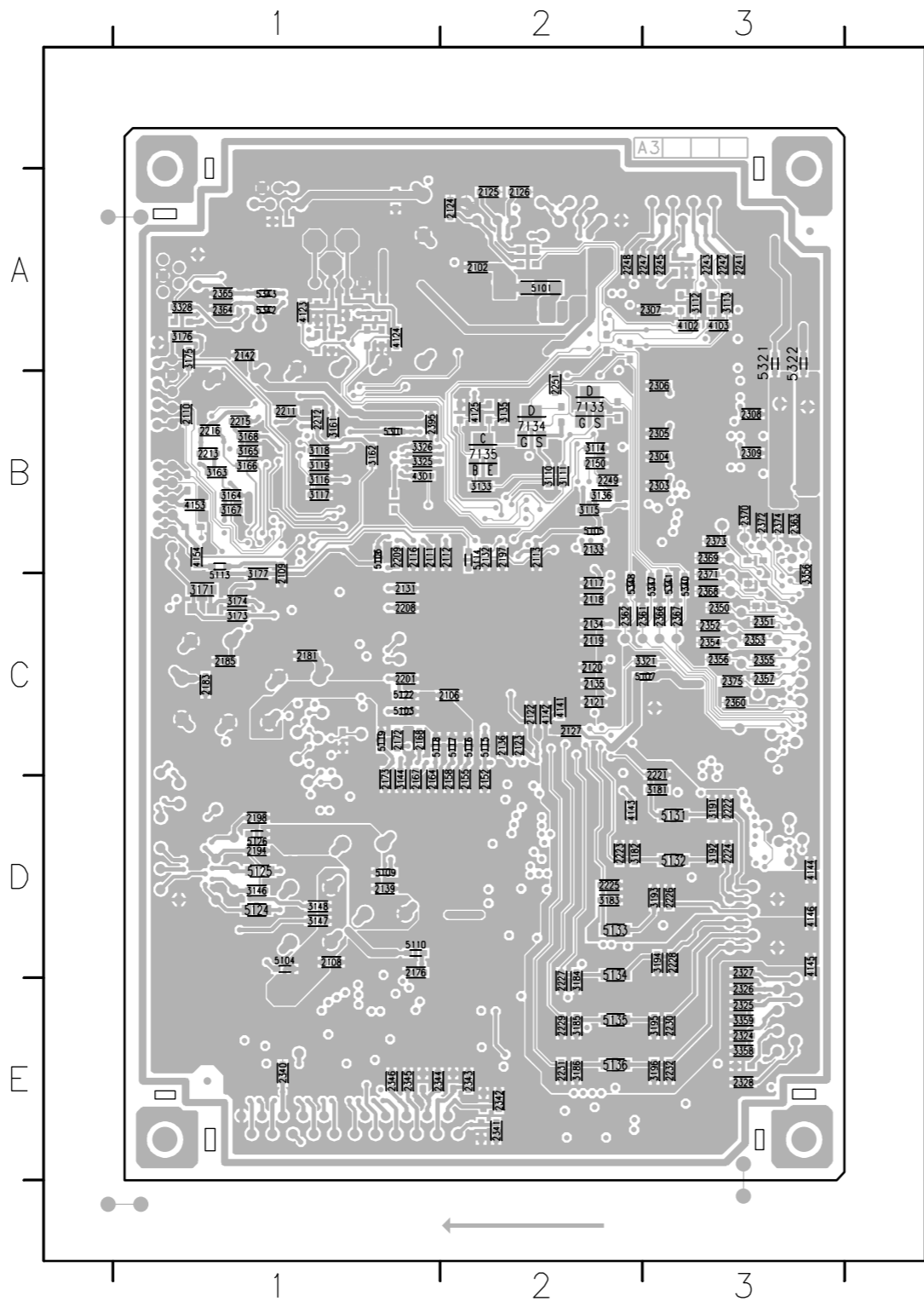


The first digit of a component indicates the component type.

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

1101	D3	3101	A2	3368	E3	7112	C2
1102	B3	3102	A1	3369	E3	7113	D2
1103	B3	3103	A2	3370	E3		
1104	A2	3104	A2	3371	E3	7122	A2
1105	A1	3131	B2	3373	E3	7131	B2
1108	A3	3132	B2	3376	E3	7132	B2
		3138	D2	3392	D1	7301	E1
		3139	D2	3393	C1	7302	B1
		3140	D2	3394	C1	7303	B2
1301	D1	3141	D2	3401	E2	7304	E2
1302	E3	3142	D2	3402	E2		
		3143	D3	3403	E2	7307	D2
1304	C1	3145	D2	3404	E3	7308	C1
1305	A3	3149	D3	3405	E3		
		3150	D3	3406	E3	7311	E2
2103	A3	3151	D3	3407	E3		
2104	B2	3152	D3	3408	E3		
2105	C3	3153	C3	3409	E3		
2114	A3	3154	C3				
2115	B3	3156	A3				
2138	D3	3157	A3				
2145	A3	3158	D3	3414	D1		
2149	D3	3159	D3				
2151	D1	3188	D2	4115	C3		
2153	D2			4116	C3		
2154	D2	3214	D2	4117	C3		
2156	D2	3301	C1	4118	C3		
2157	D2	3302	C1	4119	C3		
2159	D2	3303	C1	4122	C3		
2161	D2	3304	C1	4132	D2		
2162	D3	3305	C1				
2163	D3	3306	C1				
2165	D3	3307	E2				
2166	D3	3309	E2				
2169	D3			4139	D2		
2171	D3			4140	B2		
2174	D2	3312	E1	4302	E3		
2175	D2	3313	E1	4303	C1		
2180	C3	3314	D2	4304	C1		
2182	C3	3315	E2	4305	C1		
2184	C3						
2186	C3						
2187	C3						
2188	C3	3318	D1				
2189	C3	3319	D1				
2190	C3	3320	D1				
2195	D3	3322	C1	4322	D2		
2196	D3	3333	D1	5111	A2		
2202	C3	3335	D2	5123	A3		
2203	C3	3336	D2	5127	A2		
2204	C3	3337	D2	5128	A2		
2210	C3			5129	A2		
2301	E1	3340	E1	5130	D2		
2310	E2	3341	E1	5300	A1		
2312	B2	3342	D2	5302	D2		
		3343	D2	5303	E2		
		3344	D2	5304	E2		
2314	E2	3345	E1				
2315	D2	3346	E1	5307	D1		
2316	D2	3347	E1				
2317	D2	3348	D2	5324	B1		
2318	D2	3349	D2	5344	E3		
2319	D2	3350	E2	5345	E3		
2320	E2	3351	E2				
2322	C1			6101	A2		
				6102	A2		
2330	D2	3357	D1	7102	B2		
		3361	E3	7104	A3		
2391	A1	3362	E3	7106	D3		
2392	A3	3363	E3	7107	D3		
2393	E1	3364	E3	7108	D3		
2394	E3	3365	E3	7109	D3		
		3366	E3	7110	D3		
		3367	E3	7111	B3		

MONO Bottom View



The first digit of a component indicates the component type.

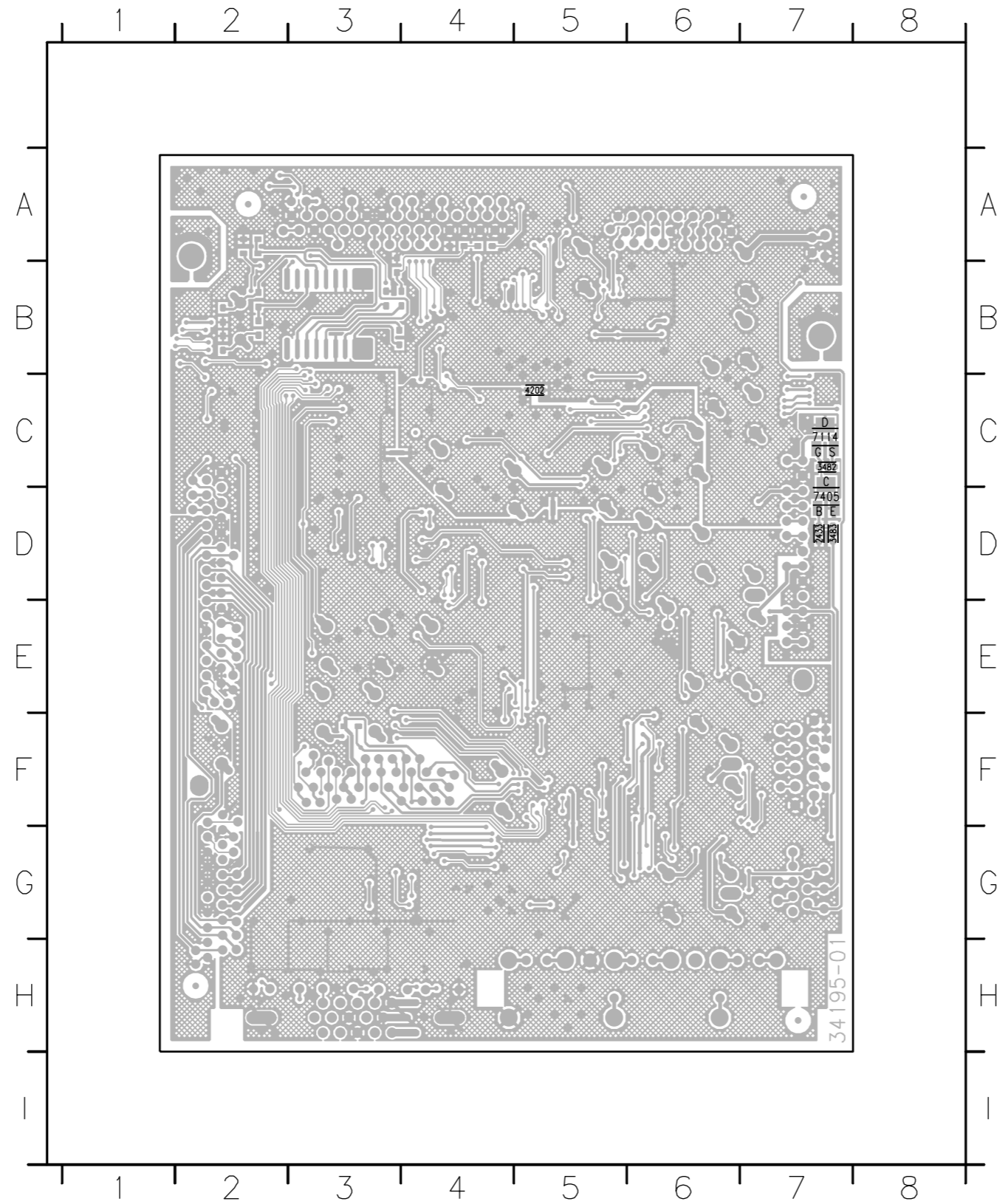
- 1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
- 2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

2102	A2		3164	B1	5104	D1	
2106	C2	2251	B2	3165	B1	5105	B2
2108	D1	2303	B3	3166	B1	5106	B1
2109	C1	2304	B3	3167	B1	5107	C3
2110	B1	2305	B3	3168	B1	5109	D1
2111	B1	2306	B3	3171	C1	5110	D1
2112	B2	2307	A3			5113	C1
2113	B2	2308	B3	3173	C1	5114	B2
2116	B1	2309	B3	3174	C1	5115	C2
2117	C2	2324	E3	3175	A1	5116	C2
2118	C2	2325	E3	3176	A1	5117	C2
2119	C2	2326	E3	3177	C1	5118	C1
2120	C2	2327	D3	3181	D3	5119	C1
2121	C2	2328	E3	3182	D2	5122	C1
2122	C2			3183	D2	5124	D1
2123	C2	2340	E1	3184	E2	5125	D1
2124	A2	2341	E2	3185	E2	5126	D1
2125	A2	2342	E2	3186	E2	5131	D3
2126	A2	2343	E2	3191	D3	5132	D3
2127	C2	2344	E1	3192	D3	5133	D2
2131	C1	2345	E1	3193	D3	5134	D2
2132	B2	2346	E1	3194	D3	5135	E2
2133	B2	2350	C3	3195	E3	5136	E2
2134	C2	2351	C3	3196	E3	5301	B1
2135	C2	2352	C3			5321	A3
2136	C2	2353	C3			5322	A3
2139	D1	2354	C3			5340	C3
2142	A1	2355	C3			5341	C3
2150	B2	2356	C3			5342	A1
2152	D2	2357	C3			5343	A1
2155	D2	2360	C3			5347	C3
2158	D2	2361	C3			5348	C2
2164	D1	2362	C2			7133	B2
2167	D1	2363	B3			7134	B2
2168	C1	2364	A1	3321	C3	7135	B2
2172	C1	2365	A1	3323	C3		
2173	D1	2366	C3	3324	C3		
2176	D1	2367	C3	3325	B1		
2181	C1	2368	C3	3326	B1		
2183	C1	2369	B3	3327	B3		
2185	C1	2370	B3	3328	A1		
		2371	C3				
2194	D1	2372	B3	3356	C3		
2197	B2	2373	B3	3358	E3		
2198	D1	2374	B3	3359	E3		
2201	C1	2375	C3				
2208	C1	2395	B1				
2209	B1						
2211	B1						
2212	B1	3105	A3	4102	A3		
2213	B1	3106	A3	4103	A3		
2215	B1			4123	A1		
2216	B1			4124	A1		
2221	C3			4125	B2		
2222	D3	3110	B2				
2223	D2	3111	B2				
2224	D3	3112	A3				
2225	D2	3113	A3				
2226	D3	3114	B2	4141	C2		
2227	E2	3115	B2	4142	C2		
2228	D3	3116	B1	4143	D2		
2229	E2	3117	B1	4144	D3		
2230	E3	3118	B1	4145	D3		
2231	E2	3119	B1	4146	D3		
2232	E3	3133	B2				
2241	A3	3135	B2				
2242	A3	3136	B2	4153	B1		
2243	A3	3144	D1	4154	B1		
		3146	D1	4301	B1		
		3147	D1				
2245	A3	3148	D1				
2247	A3	3161	B1				
2248	A2	3162	B1	5101	A2		
2249	B2	3163	B1	5103	C1		

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

AV Bottom View



2433 D7

3482 C7
~~3483~~ D7

4202 C5
 7114 C7

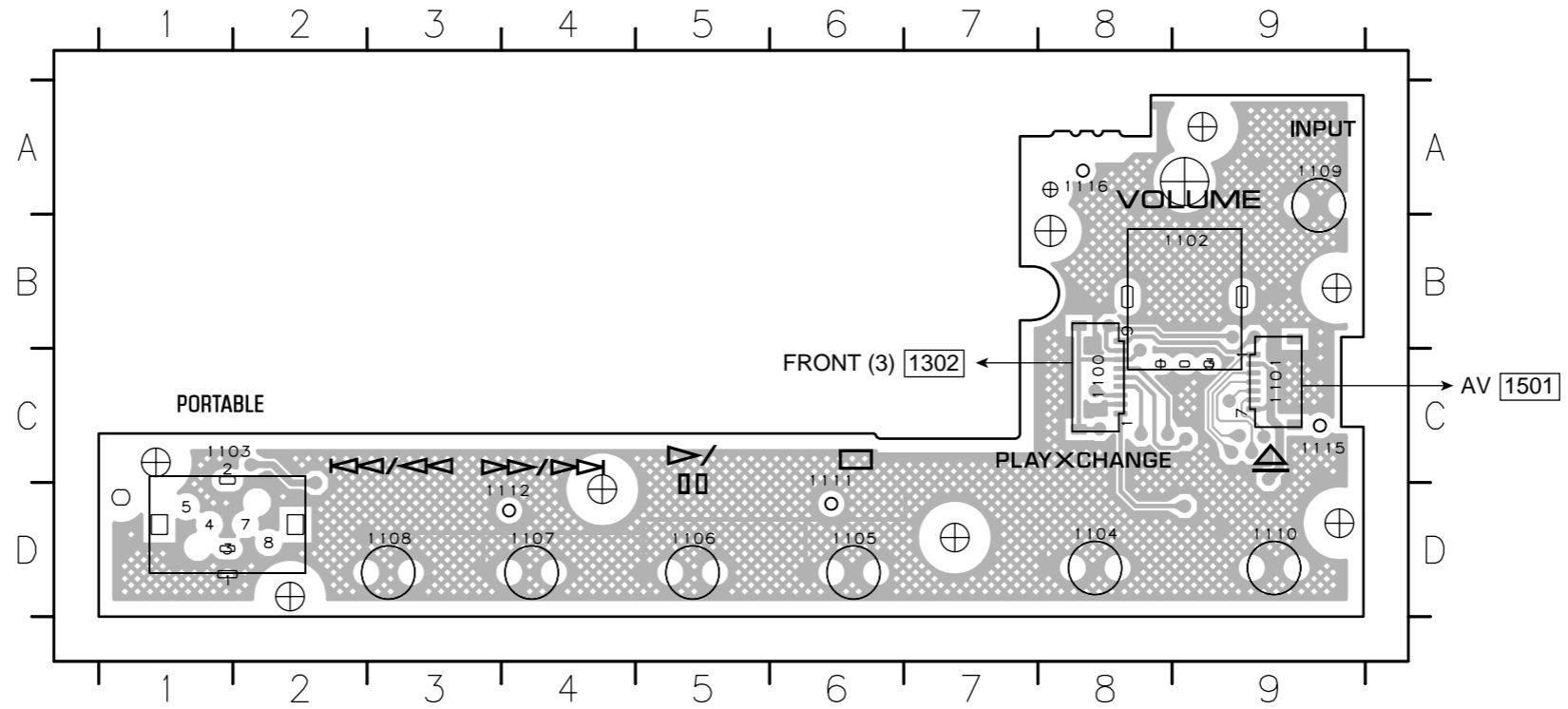
7405 D7

The first digit of a component indicates the component type.

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 2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

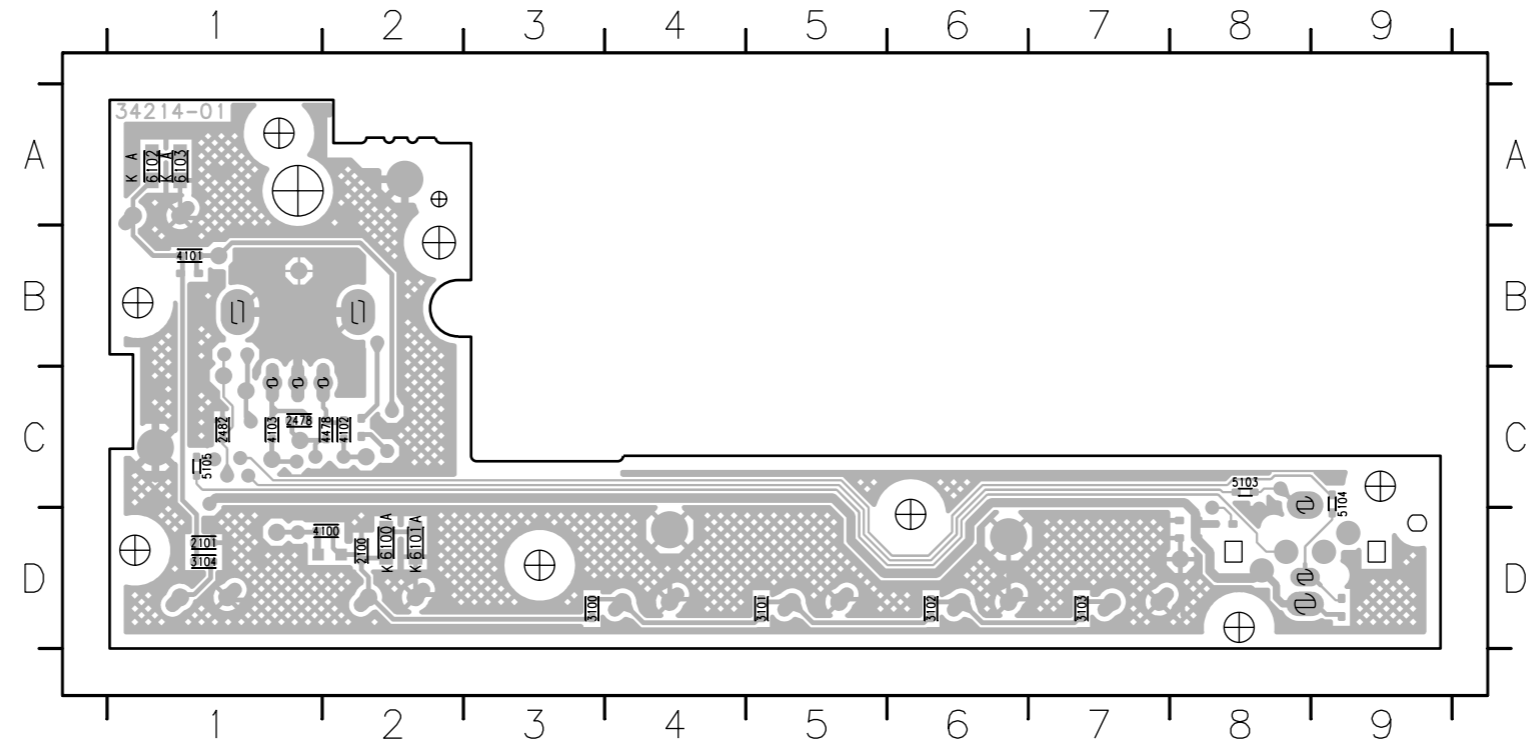
1100 C8 1102 B9 1104 D8 1106 D5 1108 D3 1110 D9 1112 D4 1115 C9 1116 A8

Front (1) Top View



2100 D2 2478 C1 2482 C1 3100 D3 3101 D5 3102 D6 3103 D7 3104 D1 4100 D2 4101 B1 4102 C2 4478 C2 5103 C8 5104 C9 5105 C1 6100 D2 6101 D2 6102 A1 6103 A1

Front (1) Bottom View

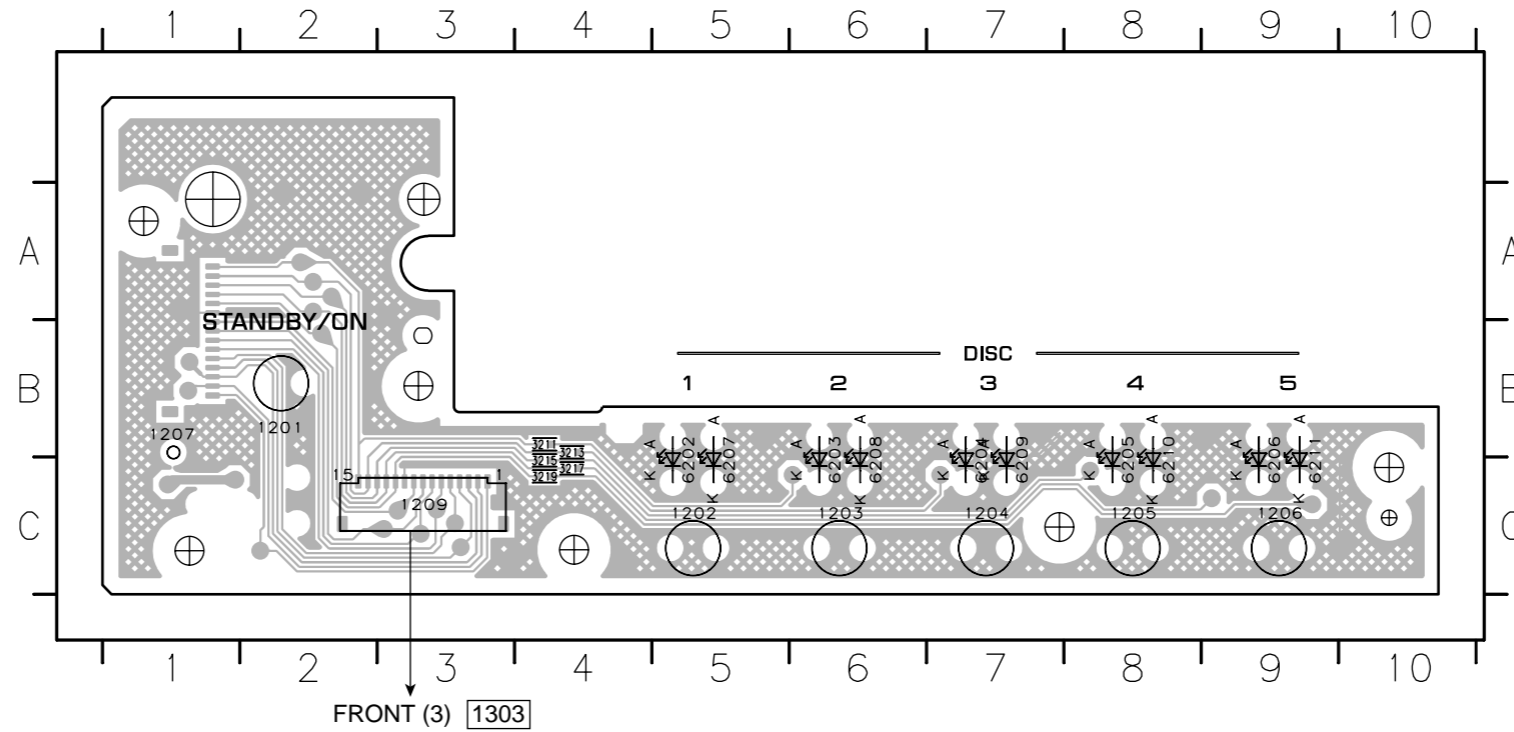


The first digit of a component indicates the component type.

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

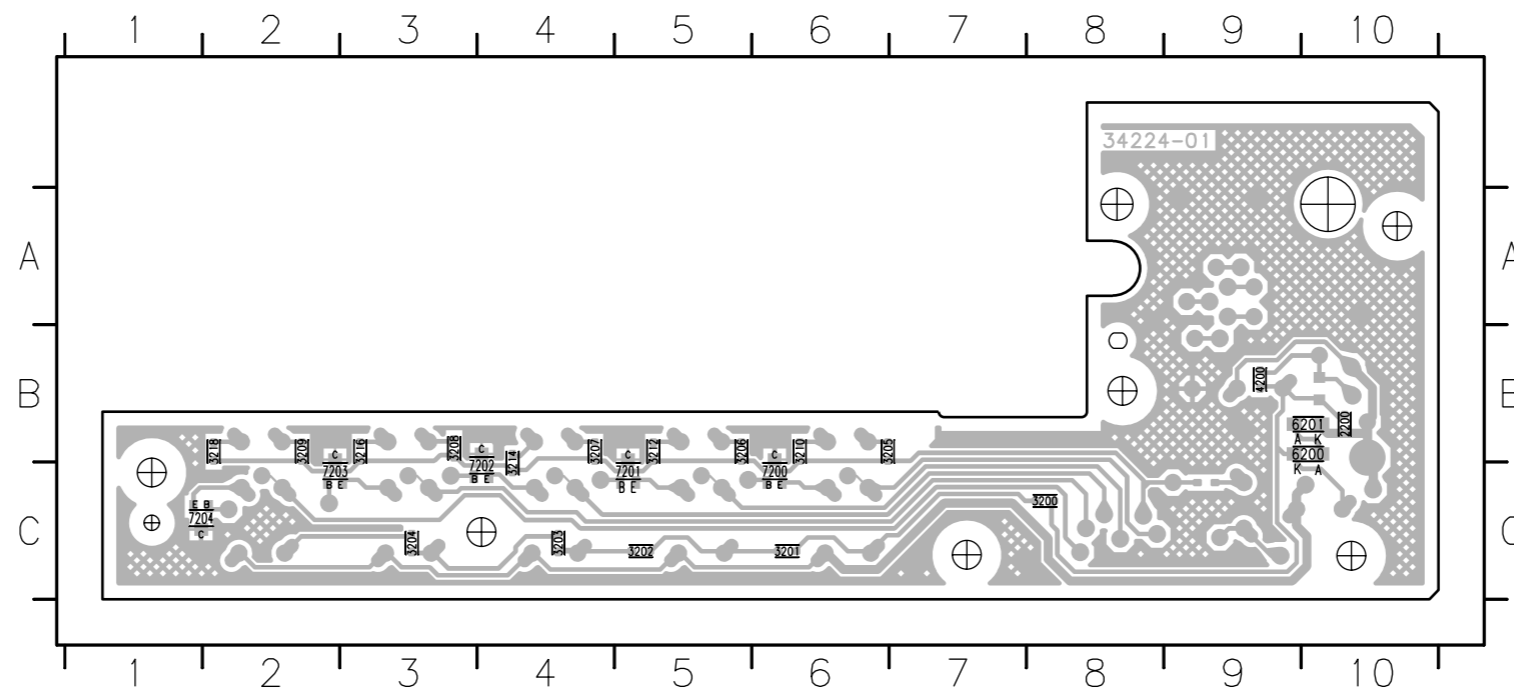
1201 B2 1203 C6 1206 C9 1209 C3 3215 C4 6202 C5 6205 C8 6208 C6 6211 C9
 1202 C5 1204 C7 1207 B1 3211 B4 3217 C4 6203 C6 6206 C9 6209 C7
 3213 B4 3219 C4 6204 C7 6207 C5 6210 C8

Front (2) Top View



2200 B10 3202 C5 3205 B6 3208 B3 3212 B5 3218 B2 6200 B10 7200 C6 7203 C2
 3200 C8 3203 C4 3206 B5 3209 B2 3214 C4 4200 B9 6201 B10 7201 C5 7204 C1
 3201 C6 3204 C3 3207 B4 3210 B6 3216 B3

Front (2) Bottom View

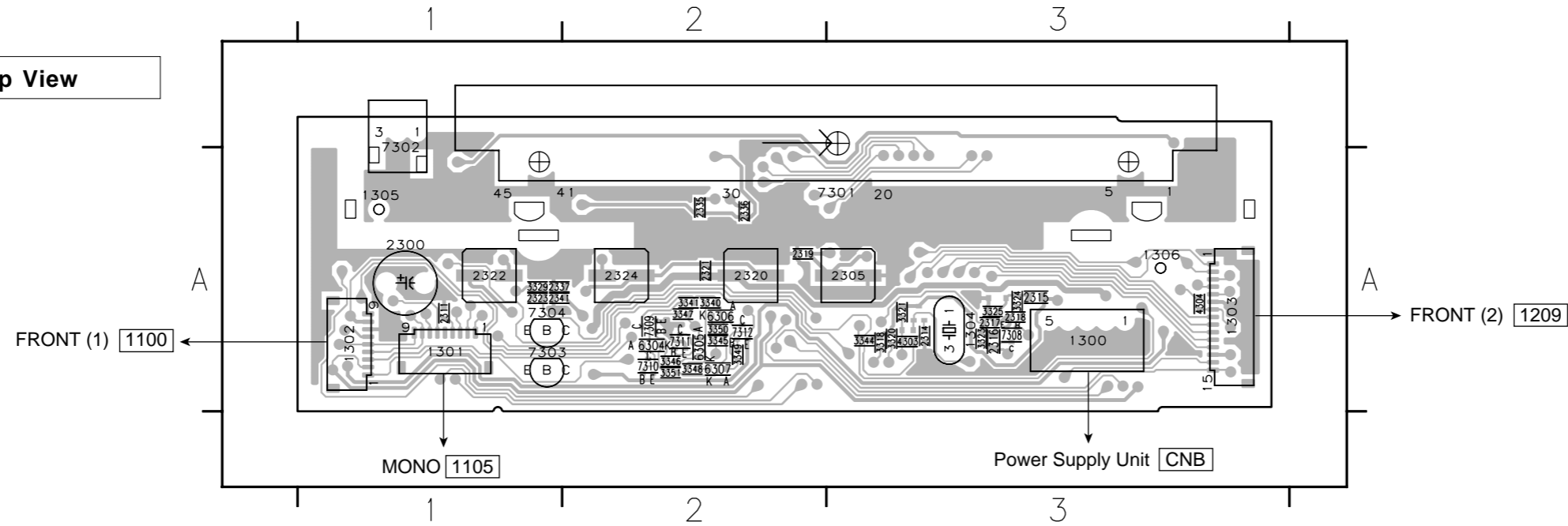


The first digit of a component indicates the component type.

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

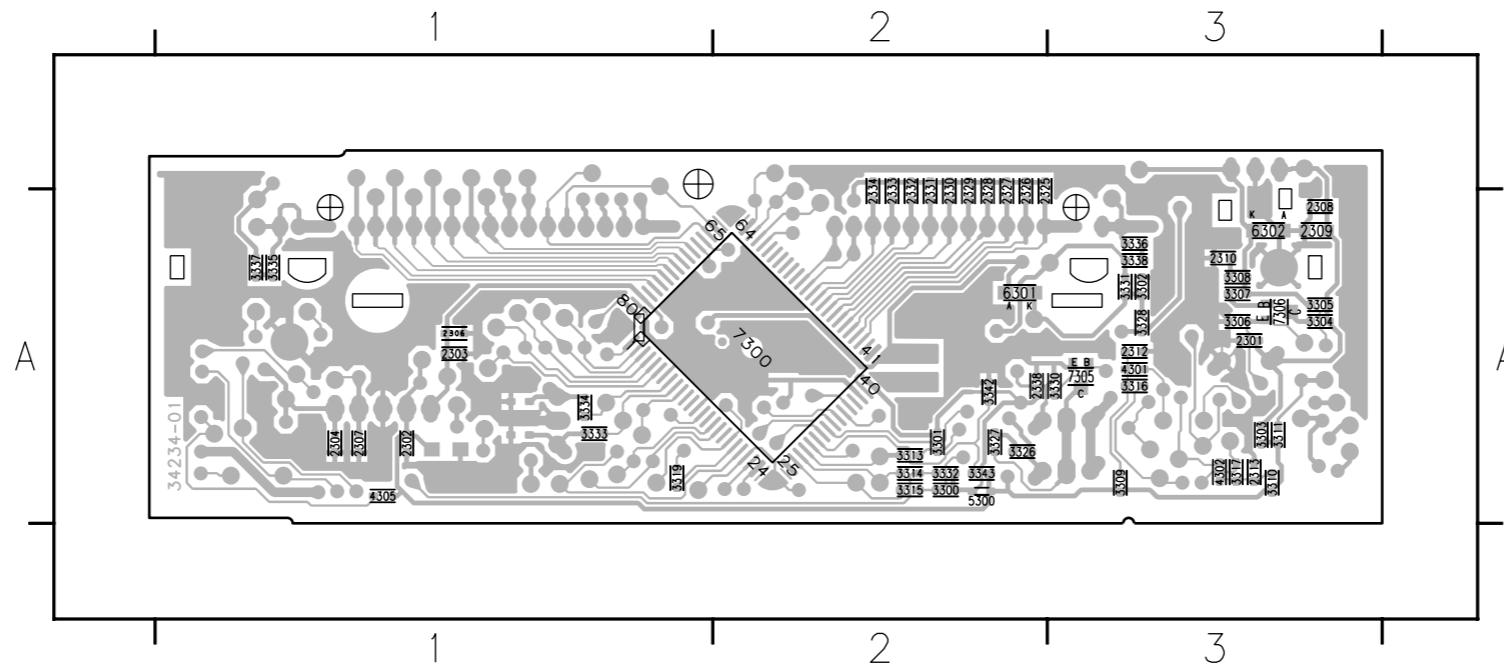
1300	A3	1306	A3	2316	A3	2322	A1	2341	A1	3324	A3	3345	A2	3351	A2	6306	A2		
1301	A1	2300	A1	2317	A3	2323	A1	3318	A3	3325	A3	3346	A2	4303	A3	6307	A2	7308	A3
1302	A1	2305	A3	2318	A3	2324	A2	3320	A3	3329	A1	3347	A2	4304	A3	7301	A3	7309	A2
1303	A3	2311	A1	2319	A2	2325	A2	3321	A3	3340	A2	3348	A2			7302	A1	7310	A2
1304	A3	2314	A3	2320	A2	2326	A2	3341	A2	3349	A2	3349	A2	6304	A2	7303	A1	7311	A2
1305	A1	2315	A3	2321	A2	2327	A1	3323	A3	3344	A3	3350	A2	6305	A2	7304	A1	7312	A2

Front (3) Top View



2301	A3	2308	A3	2326	A2	2332	A2	3300	A2	3306	A3	3313	A2	3326	A2	3333	A1	3342	A2	6301	A2
2302	A1	2309	A3	2327	A2	2333	A2	3301	A2	3307	A3	3314	A2	3327	A2	3334	A1	3343	A2	6302	A3
2303	A1	2310	A3	2328	A2	2334	A2	3302	A2	3308	A3	3315	A2	3328	A2	3335	A1	3344	A2	6303	A3
2304	A1	2312	A3	2329	A2	2335	A2	3303	A2	3309	A3	3316	A2	3329	A2	3336	A1	3345	A2	6304	A3
2306	A1	2313	A3	2330	A2	2336	A2	3304	A3	3310	A3	3317	A2	3330	A2	3337	A1	4301	A3	7300	A2
2307	A1	2325	A2	2331	A2			3305	A3	3311	A3	3319	A1	3332	A2	3338	A3	4302	A3	7301	A3
														5300	A2	4305	A1	7305	A3		
																7306	A3				

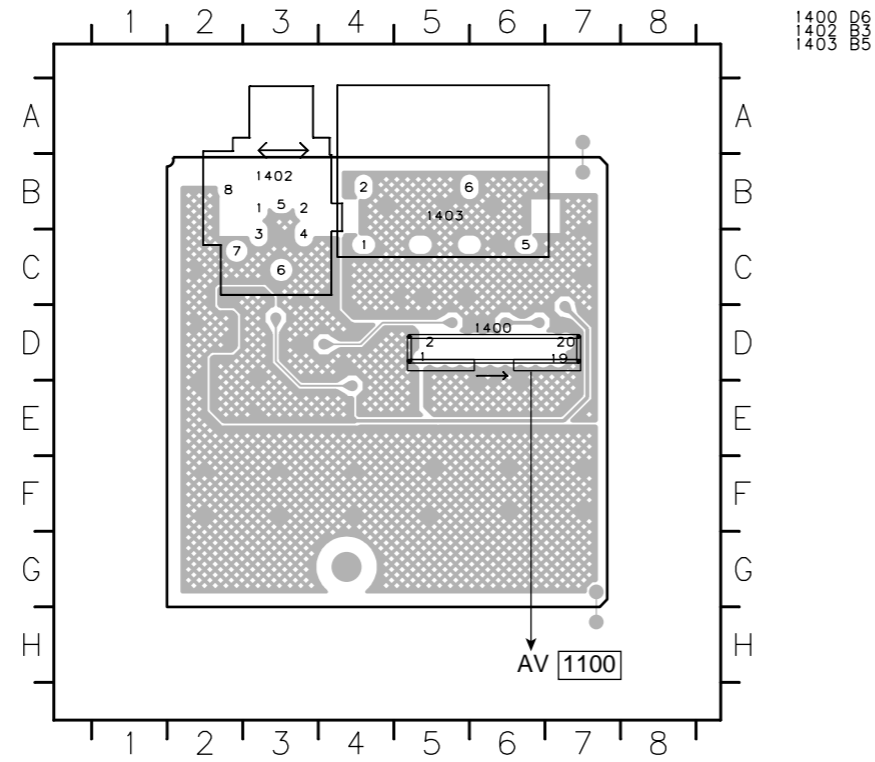
Front (3) Bottom View



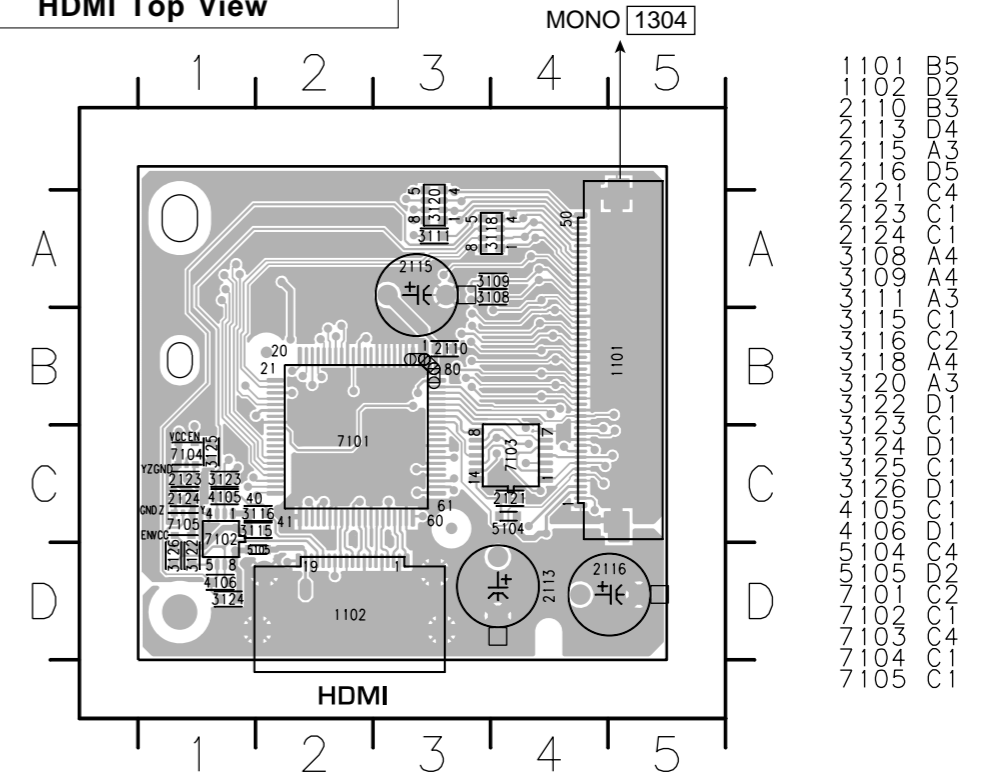
The first digit of a component indicates the component type.

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

Front (4) Top View

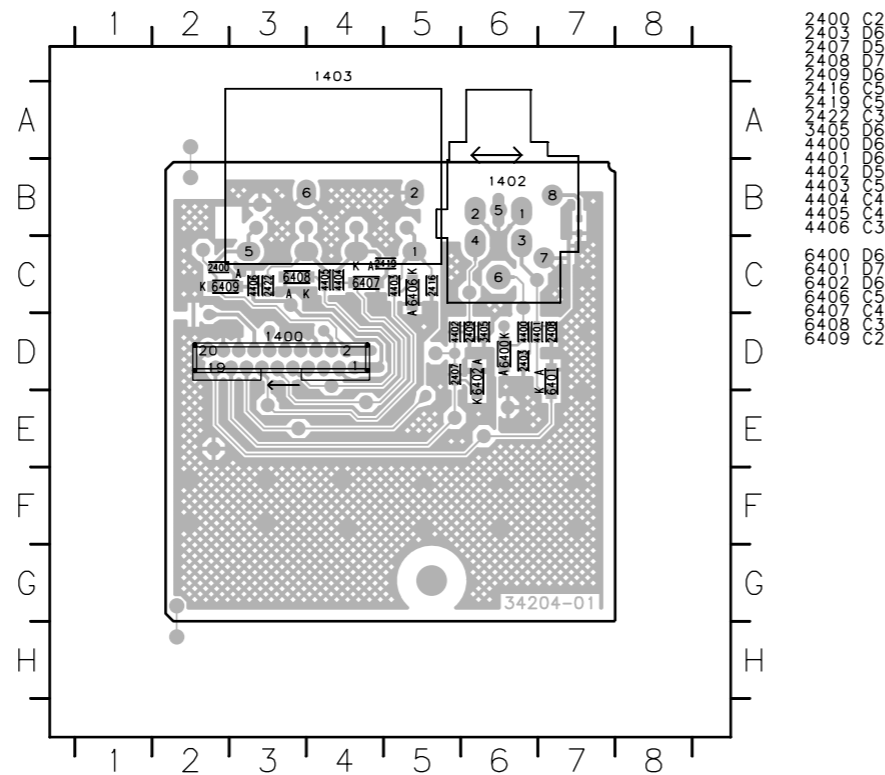


HDMI Top View



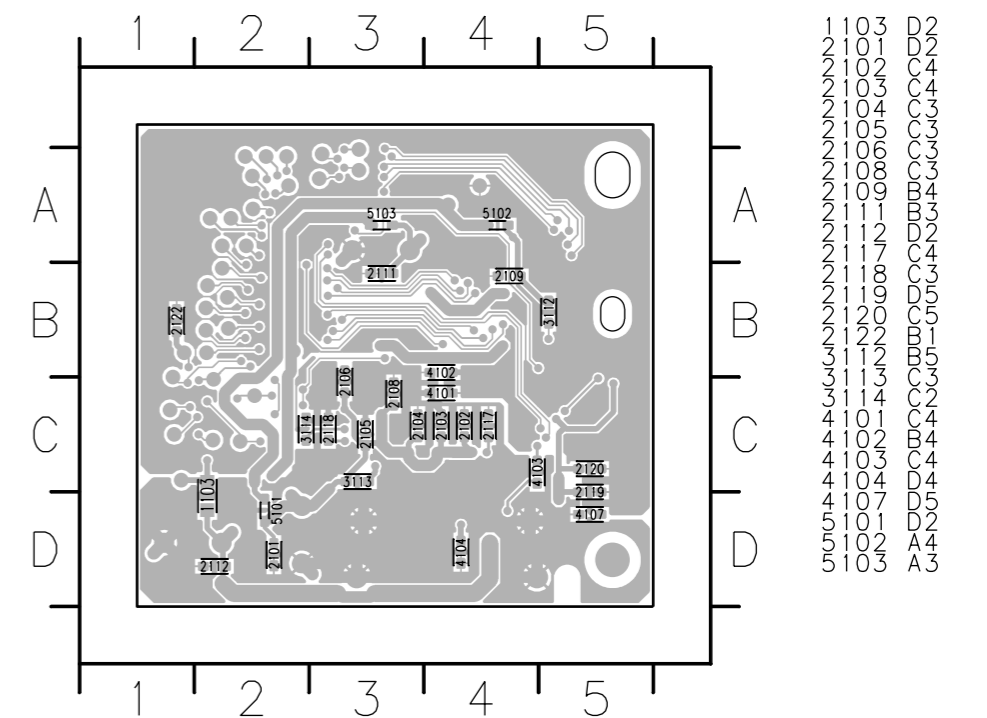
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1101 B3
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1103 D4
1104 A3
1105 D5
1106 C4
1107 C1
1108 A4
1109 A3
1110 C1
1111 C2
1112 A4
1113 A3
1114 D1
1115 C1
1116 D1
1117 D1
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Front (4) Bottom View



2400 D6
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HDMI Bottom View

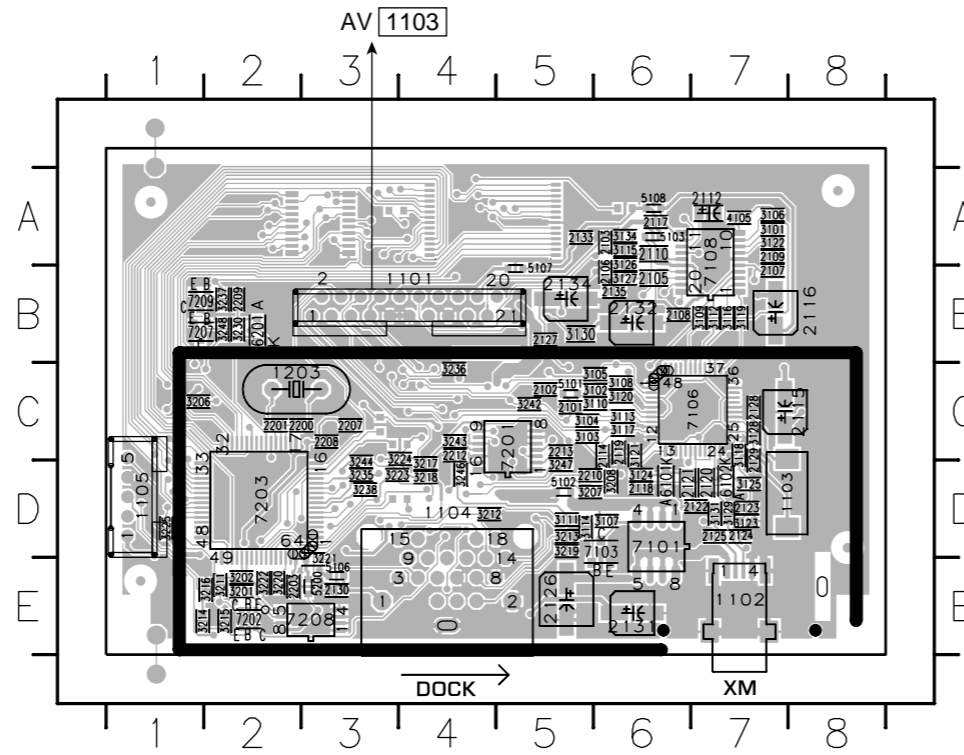


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1446 D2
1447 D2
1448 D2
1449 D2
1450 D2

The first digit of a component indicates the component type.

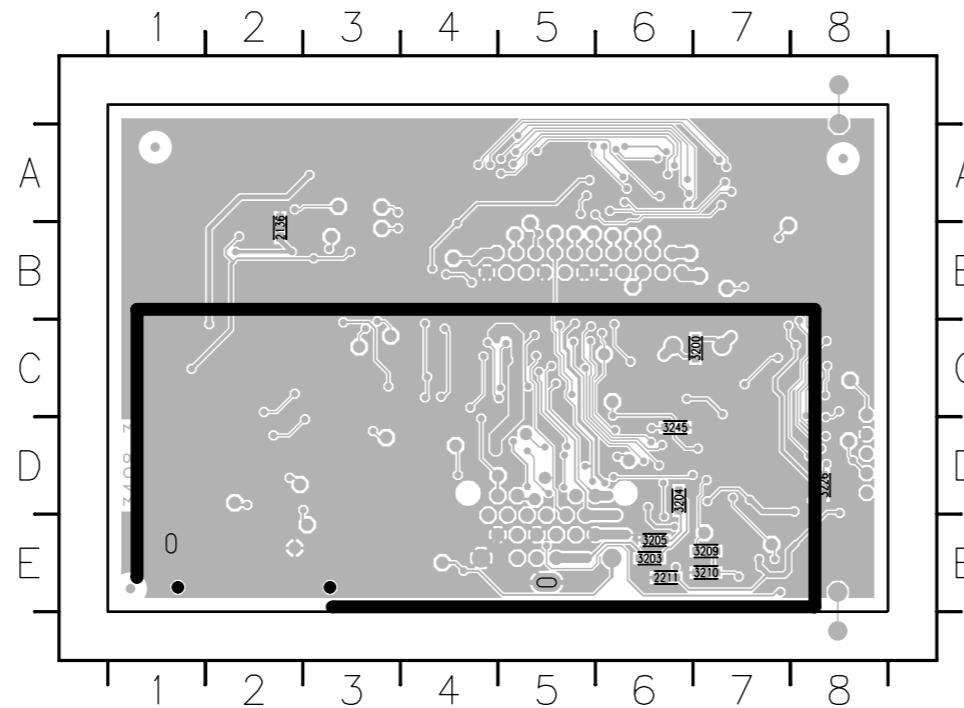
1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
 2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

XM Top View



1101	B4	2101	B6	3201	B2
1102	F7	2102	D4	3202	A7
1103	F7	2103	D4	3203	C2
1104	D4	2104	B6	3204	D7
1105	D4	2105	B6	3205	A5
1106	D4	2106	B6	3206	A6
1107	D4	2107	B6	3207	A6
1108	D4	2108	B6	3208	A6
1109	D4	2109	B6	3209	A6
1110	D4	2110	B6	3210	A6
1111	D4	2111	B6	3211	A6
1112	D4	2112	B6	3212	A6
1113	D4	2113	B6	3213	A6
1114	D4	2114	B6	3214	A6
1115	D4	2115	B6	3215	A6
1116	D4	2116	B6	3216	A6
1117	D4	2117	B6	3217	A6
1118	D4	2118	B6	3218	A6
1119	D4	2119	B6	3219	A6
1120	D4	2120	B6	3220	A6
1121	D4	2121	B6	3221	A6
1122	D4	2122	B6	3222	A6
1123	D4	2123	B6	3223	A6
1124	D4	2124	B6	3224	A6
1125	D4	2125	B6	3225	A6
1126	D4	2126	B6	3226	A6
1127	D4	2127	B6	3227	A6
1128	D4	2128	B6	3228	A6
1129	D4	2129	B6	3229	A6
1130	D4	2130	B6	3230	A6
1131	D4	2131	B6	3231	A6
1132	D4	2132	B6	3232	A6
1133	D4	2133	B6	3233	A6
1134	D4	2134	B6	3234	A6
1135	D4	2135	B6	3235	A6
1136	D4	2136	B6	3236	A6
1137	D4	2137	B6	3237	A6
1138	D4	2138	B6	3238	A6
1139	D4	2139	B6	3239	A6
1140	D4	2140	B6	3240	A6
1141	D4	2141	B6	3241	A6
1142	D4	2142	B6	3242	A6
1143	D4	2143	B6	3243	A6
1144	D4	2144	B6	3244	A6
1145	D4	2145	B6	3245	A6
1146	D4	2146	B6	3246	A6
1147	D4	2147	B6	3247	A6
1148	D4	2148	B6	3248	A6
1149	D4	2149	B6	3249	A6
1150	D4	2150	B6	3250	A6
1151	D4	2151	B6	3251	A6
1152	D4	2152	B6	3252	A6
1153	D4	2153	B6	3253	A6
1154	D4	2154	B6	3254	A6
1155	D4	2155	B6	3255	A6
1156	D4	2156	B6	3256	A6
1157	D4	2157	B6	3257	A6
1158	D4	2158	B6	3258	A6
1159	D4	2159	B6	3259	A6
1160	D4	2160	B6	3260	A6
1161	D4	2161	B6	3261	A6
1162	D4	2162	B6	3262	A6
1163	D4	2163	B6	3263	A6
1164	D4	2164	B6	3264	A6
1165	D4	2165	B6	3265	A6
1166	D4	2166	B6	3266	A6
1167	D4	2167	B6	3267	A6
1168	D4	2168	B6	3268	A6
1169	D4	2169	B6	3269	A6
1170	D4	2170	B6	3270	A6
1171	D4	2171	B6	3271	A6
1172	D4	2172	B6	3272	A6
1173	D4	2173	B6	3273	A6
1174	D4	2174	B6	3274	A6
1175	D4	2175	B6	3275	A6
1176	D4	2176	B6	3276	A6
1177	D4	2177	B6	3277	A6
1178	D4	2178	B6	3278	A6
1179	D4	2179	B6	3279	A6
1180	D4	2180	B6	3280	A6
1181	D4	2181	B6	3281	A6
1182	D4	2182	B6	3282	A6
1183	D4	2183	B6	3283	A6
1184	D4	2184	B6	3284	A6
1185	D4	2185	B6	3285	A6
1186	D4	2186	B6	3286	A6
1187	D4	2187	B6	3287	A6
1188	D4	2188	B6	3288	A6
1189	D4	2189	B6	3289	A6
1190	D4	2190	B6	3290	A6
1191	D4	2191	B6	3291	A6
1192	D4	2192	B6	3292	A6
1193	D4	2193	B6	3293	A6
1194	D4	2194	B6	3294	A6
1195	D4	2195	B6	3295	A6
1196	D4	2196	B6	3296	A6
1197	D4	2197	B6	3297	A6
1198	D4	2198	B6	3298	A6
1199	D4	2199	B6	3299	A6
1200	D4	2200	B6	3300	A6

XM Bottom View



2136	B2
2211	F7
3200	F7
3203	F7
3204	F7
3205	F7
3209	F7
3210	F7
3216	F7
3226	F7
3245	F7

SCHEMATIC DIAGRAMS FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

MONO (1/2)

The first digit of a component type.

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

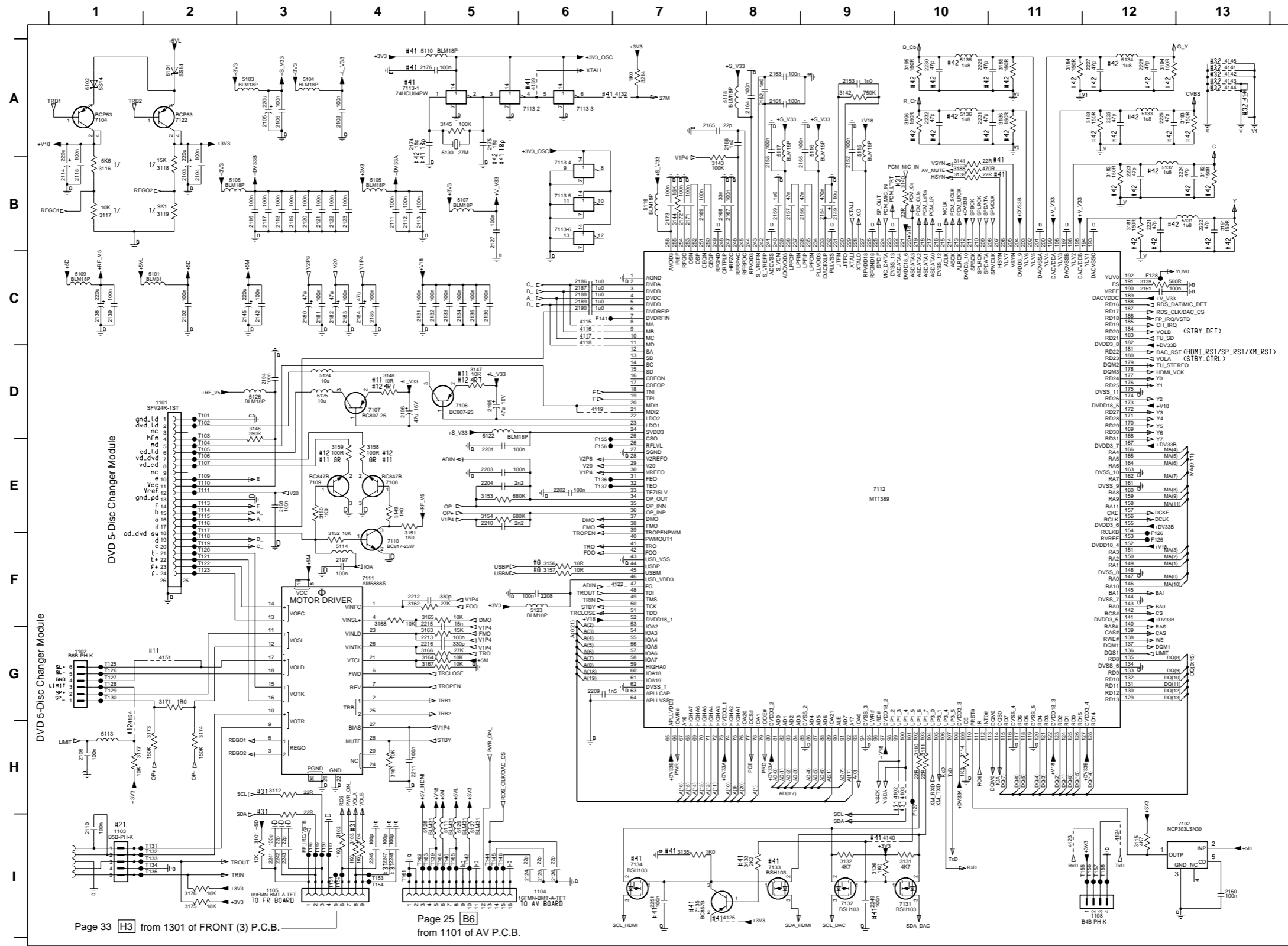


Table with 5 columns: #0 PROVISION, #11 DM3121A, #21 WXD-8829, #31 RECEIVERS, #41 DIGITAL VIDEO; #12 KHM313 / KHM310, #22 DLM-1D, #32 PLAYERS, #42 ANALOG VIDEO; #23 5CDC

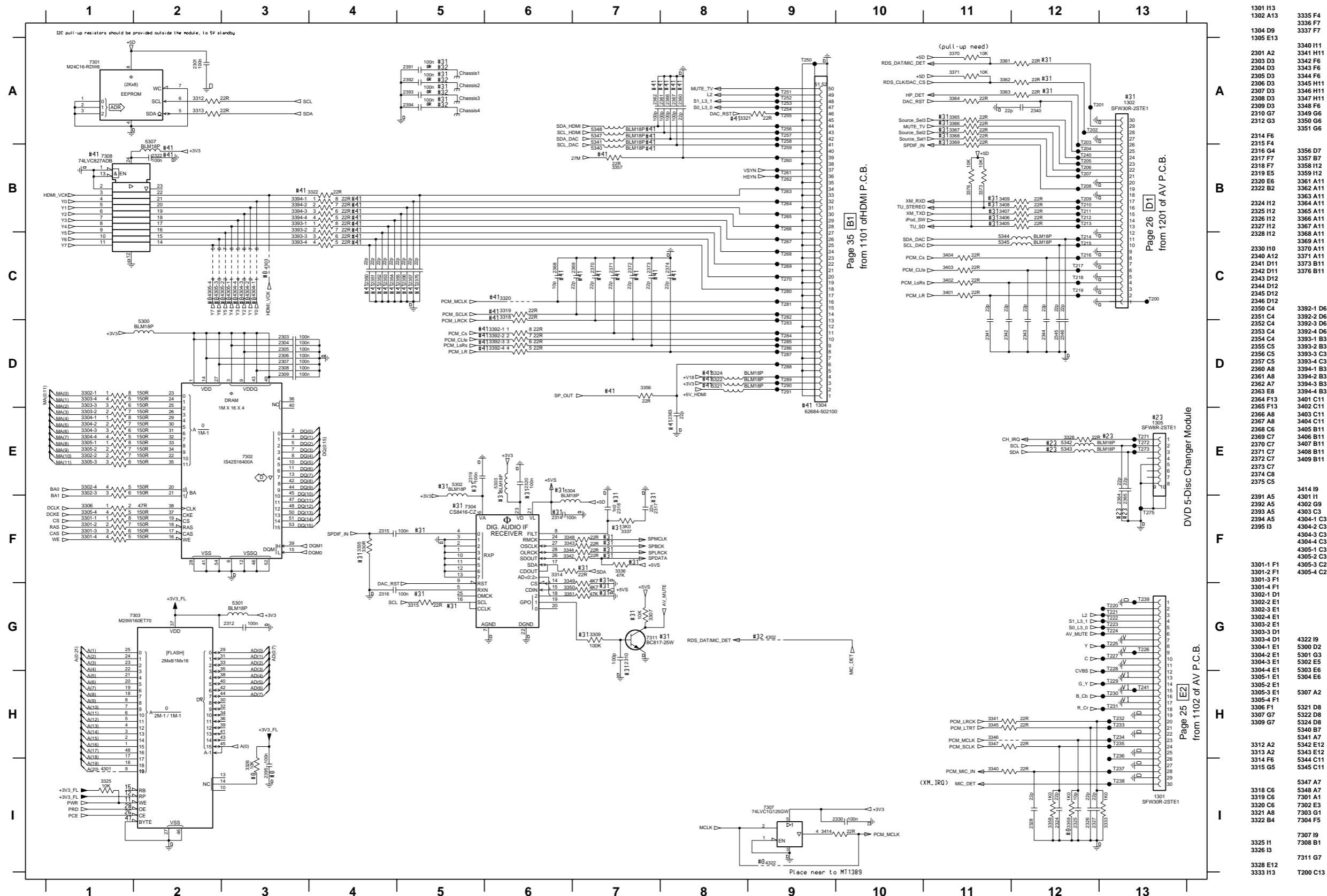
Table listing component part numbers and their corresponding designations, such as 1101 D2, 1102 G1, 1103 I1, etc., up to 2247 I4.

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

MONO (2/2)

The first digit of a component type.

- 1xxx : Connector
- 2xxx : Capacitor
- 3xxx : Resistor
- 4xxx : SMD jumper
- 5xxx : Coil
- 6xxx : Diode
- 7xxx : IC, Transistor, FET
- 8xxx : Wire jumper
- 9xxx : Wire jumper



#0 PROVISION	#11 DM3121A	#21 WXD-8829	#31 RECEIVERS	#41 DIGITAL VIDEO
	#12 KHM313 / KHM310	#22 DLM-1D	#32 PLAYERS	#42 ANALOG VIDEO
		#23 5CDC		

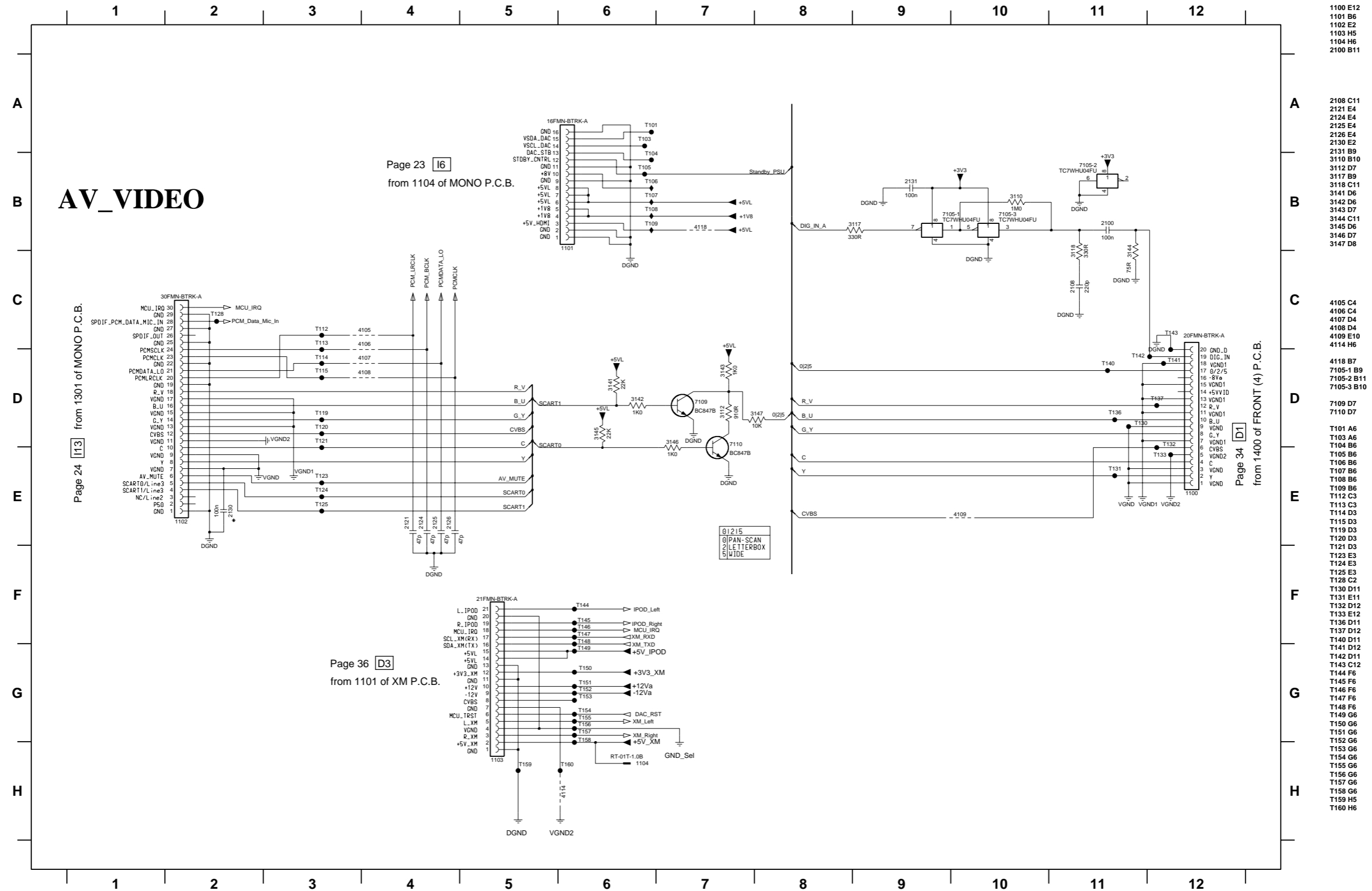
1301 H13	1302 A13	1304 D9	1305 E13	2301 A2	2303 D3	2304 D3	2306 D3	2307 D3	2308 D3	2309 D3	2310 G7	2312 G3	2314 F6	2315 F4	2316 G4	2317 F7	2318 F7	2319 E5	2320 E6	2322 B2	2323 H2	2324 H2	2325 H2	2326 H2	2327 H2	2328 H2	2330 H10	2340 A12	2341 D11	2342 D11	2343 D12	2344 D12	2345 D12	2346 D12	2350 C4	2351 C4	2352 C4	2353 C4	2354 C4	2355 C5	2356 C5	2357 C5	2360 A8	2361 A8	2362 A7	2363 E8	2364 F13	2365 F13	2366 A8	2367 A8	2368 E5	2369 C7	2370 C7	2371 C7	2372 C7	2373 C7	2374 C8	2375 C5	2391 A5	2392 A5	2393 A5	2394 A5	2395 I3	3301-1 F1	3301-2 F1	3301-3 F1	3301-4 F1	3302-1 D1	3302-2 E1	3302-3 E1	3303-1 D1	3303-2 E1	3303-3 D1	3303-4 D1	3304-1 E1	3304-2 E1	3304-3 E1	3304-4 E1	3305-1 E1	3305-2 E1	3305-3 E1	3305-4 F1	3306 F1	3307 G7	3309 G7	3312 A2	3313 A2	3314 F6	3315 G5	3318 C6	3319 C6	3320 C6	3321 A8	3322 B4	3325 I1	3326 I3	3328 E12	3333 I13	3335 F4	3336 F7	3337 F7	3340 H11	3341 H11	3342 F6	3343 F6	3344 F6	3345 H11	3346 H11	3347 H11	3348 F6	3349 G6	3350 G6	3351 G6	3356 D7	3357 B7	3358 I2	3359 I2	3361 A11	3362 A11	3363 A11	3364 A11	3365 A11	3366 A11	3367 A11	3368 A11	3369 A11	3370 A11	3371 A11	3373 B11	3376 B11	3392-1 D6	3392-2 D6	3392-3 D6	3392-4 D6	3393-1 B3	3393-2 B3	3393-3 C3	3393-4 C3	3394-1 B3	3394-2 B3	3394-3 B3	3394-4 B3	3401 C11	3402 C11	3403 C11	3404 C11	3405 B11	3406 B11	3407 B11	3408 B11	3409 B11	3414 I9	3420 G9	3430 C3	3434-1 C3	3434-2 C3	3434-3 C3	3434-4 C3	3435-2 C2	3435-3 C2	3435-4 C2	3435-5 C2	4322 I9	5300 D2	5301 G3	5302 E5	5303 E6	5304 E6	5307 A2	5321 D8	5322 D8	5324 D8	5340 A7	5341 A7	5342 E12	5343 E12	5344 C11	5345 C11	5347 A7	5348 A7	7301 A1	7302 E3	7303 G1	7304 F5	7307 I9	7308 B1	7311 G7	7200 C13	T201 A12	T202 A12	T203 A12	T204 B12	T205 B12	T206 B12	T207 B12	T208 B12	T209 B12	T210 B12	T211 B12	T212 B12	T213 B12	T214 C12	T215 C12	T216 C12	T217 C12	T218 C12	T219 C12	T220 G13	T221 G13	T222 G13	T223 G13	T224 G13	T225 G13	T226 G13	T227 G13	T228 H13	T229 H13	T230 H13	T231 H13	T232 H13	T233 H13	T234 H13	T235 H13	T236 D12	T237 H13	T238 H13	T239 G12	T240 B12	T241 H13	T242 A9	T243 A9	T244 A9	T245 A9	T246 A9	T247 A9	T248 A9	T249 C9	T250 C9	T251 A9	T252 A9	T253 A9	T254 A9	T255 A9	T256 A9	T257 A9	T258 A9	T259 B9	T260 B9	T261 B9	T262 B9	T263 B9	T264 B9	T265 B9	T266 B9	T267 C9	T268 C9	T269 C9	T270 C9	T271 E13	T272 E13	T273 E13	T274 E13	T275 F13	T276 H6	T277 H6	T278 H6	T279 I6	T280 C9	T281 C9	T282 C9	T283 D9	T284 D9	T285 D9	T286 D9	T287 D9	T288 D9	T289 D9	T290 D9	T291 D9
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* 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.

AV (1/6)

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



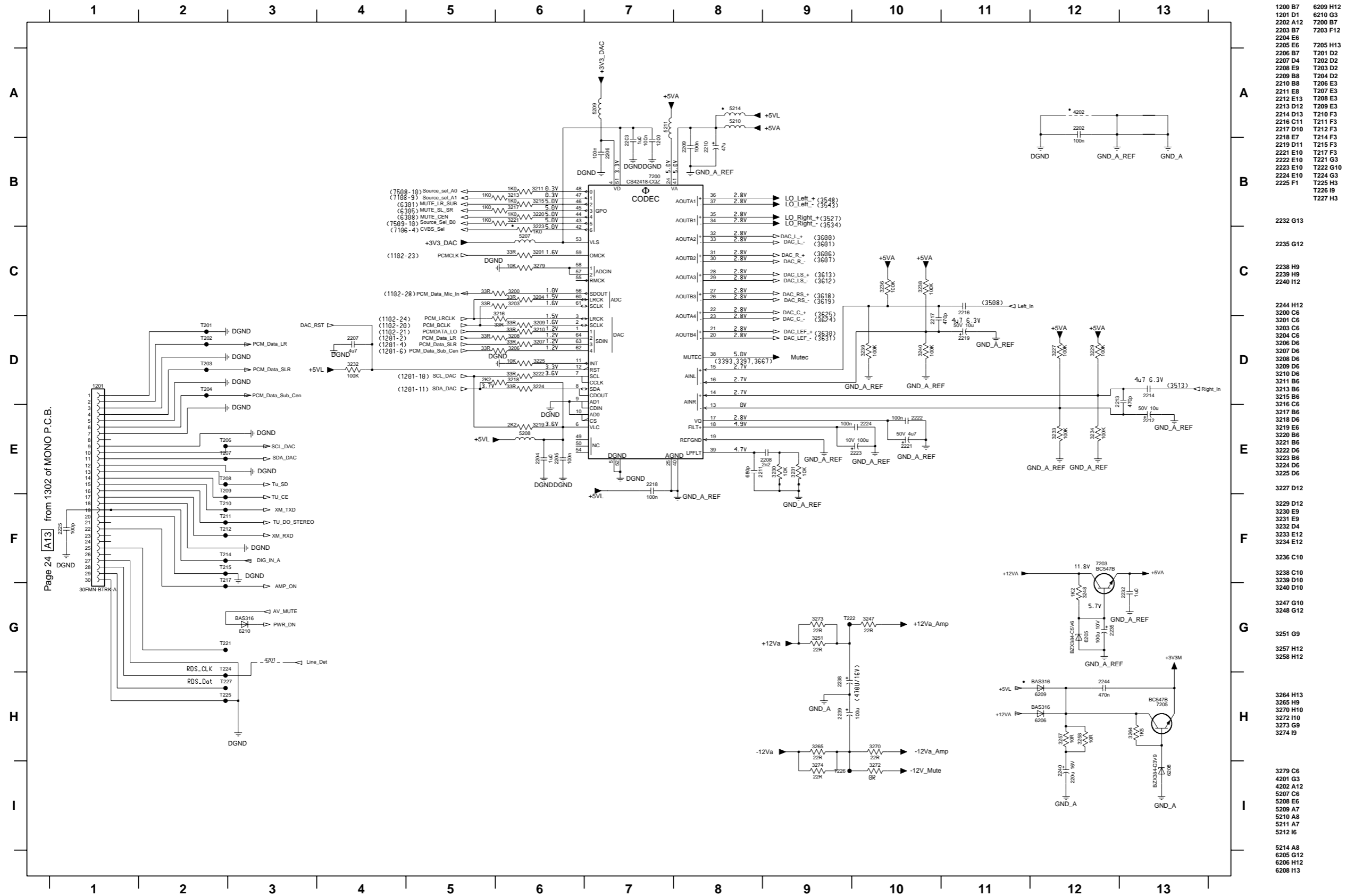
- 1100 E12
- 1101 B6
- 1102 E2
- 1103 H5
- 1104 H6
- 2100 B11
- 2108 C11
- 2121 E4
- 2124 E4
- 2125 E4
- 2126 E4
- 2130 E2
- 2131 B9
- 3110 B10
- 3112 D7
- 3117 B9
- 3118 C11
- 3141 D6
- 3142 D6
- 3143 D7
- 3144 C11
- 3145 D6
- 3146 D7
- 3147 D8
- 4105 C4
- 4106 C4
- 4107 D4
- 4108 D4
- 4109 E10
- 4114 H6
- 4118 B7
- 7105-1 B9
- 7105-2 B11
- 7105-3 B10
- 7109 D7
- 7110 D7
- T101 A6
- T103 A6
- T104 B6
- T105 B6
- T106 B6
- T107 B6
- T108 B6
- T109 B6
- T112 C3
- T113 C3
- T114 D3
- T115 D3
- T119 D3
- T120 D3
- T121 D3
- T123 E3
- T124 E3
- T125 E3
- T128 C2
- T130 D11
- T131 E11
- T132 D12
- T133 E12
- T136 D11
- T137 D12
- T140 D11
- T141 D12
- T142 D11
- T143 C12
- T144 F6
- T145 F6
- T146 F6
- T147 F6
- T148 F6
- T149 G6
- T150 G6
- T151 G6
- T152 G6
- T153 G6
- T154 G6
- T155 G6
- T156 G6
- T157 G6
- T158 G6
- T159 H5
- T160 H6

* 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.

AV (2/6)

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

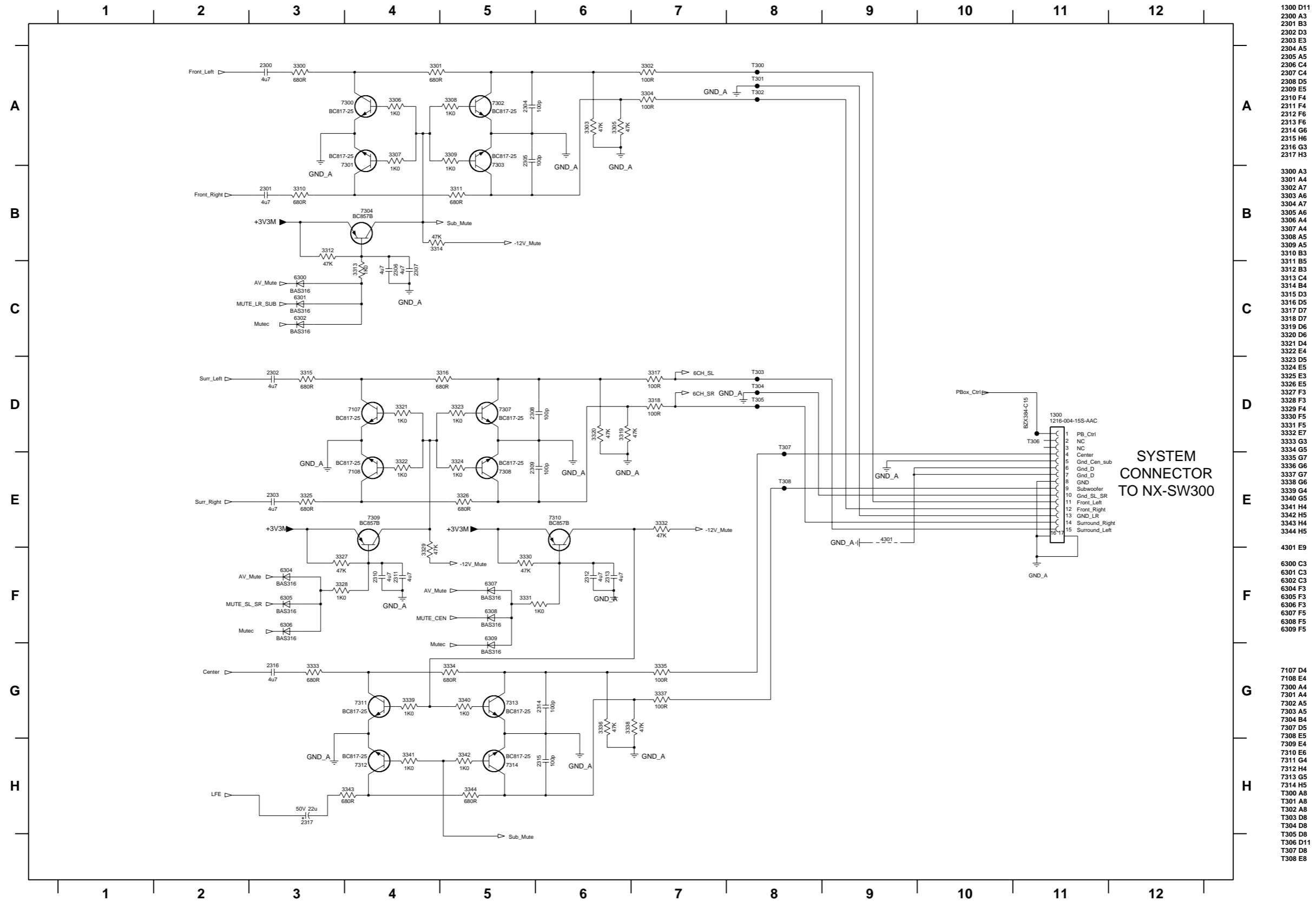


* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
 * Schematic diagram is subject to change without notice.

AV (3/6)

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



- 1300 D11
- 2300 A3
- 2301 B3
- 2302 D3
- 2303 E3
- 2304 A5
- 2305 A5
- 2306 C4
- 2307 C4
- 2308 D5
- 2309 E5
- 2310 F4
- 2311 F4
- 2312 F6
- 2313 F6
- 2314 G6
- 2315 H6
- 2316 G3
- 2317 H3

- 3300 A3
- 3301 A4
- 3302 A7
- 3303 A6
- 3304 A7
- 3305 A6
- 3306 A4
- 3307 A4
- 3308 A5
- 3309 A5
- 3310 B3
- 3311 B5
- 3312 B3
- 3313 C4
- 3314 B4
- 3315 D3
- 3316 D5
- 3317 D7
- 3318 D7
- 3319 D6
- 3320 D6
- 3321 D4
- 3322 E4
- 3323 D5
- 3324 E5
- 3325 E3
- 3326 E5
- 3327 F3
- 3328 F4
- 3329 F4
- 3330 F5
- 3331 F5
- 3332 E7
- 3333 G3
- 3334 G5
- 3335 G7
- 3336 G6
- 3337 G7
- 3338 G6
- 3339 G4
- 3340 G5
- 3341 H4
- 3342 H5
- 3343 H4
- 3344 H5

- 4301 E9

- 6300 C3
- 6301 C3
- 6302 C3
- 6304 F3
- 6305 F3
- 6306 F3
- 6307 F5
- 6308 F5
- 6309 F5

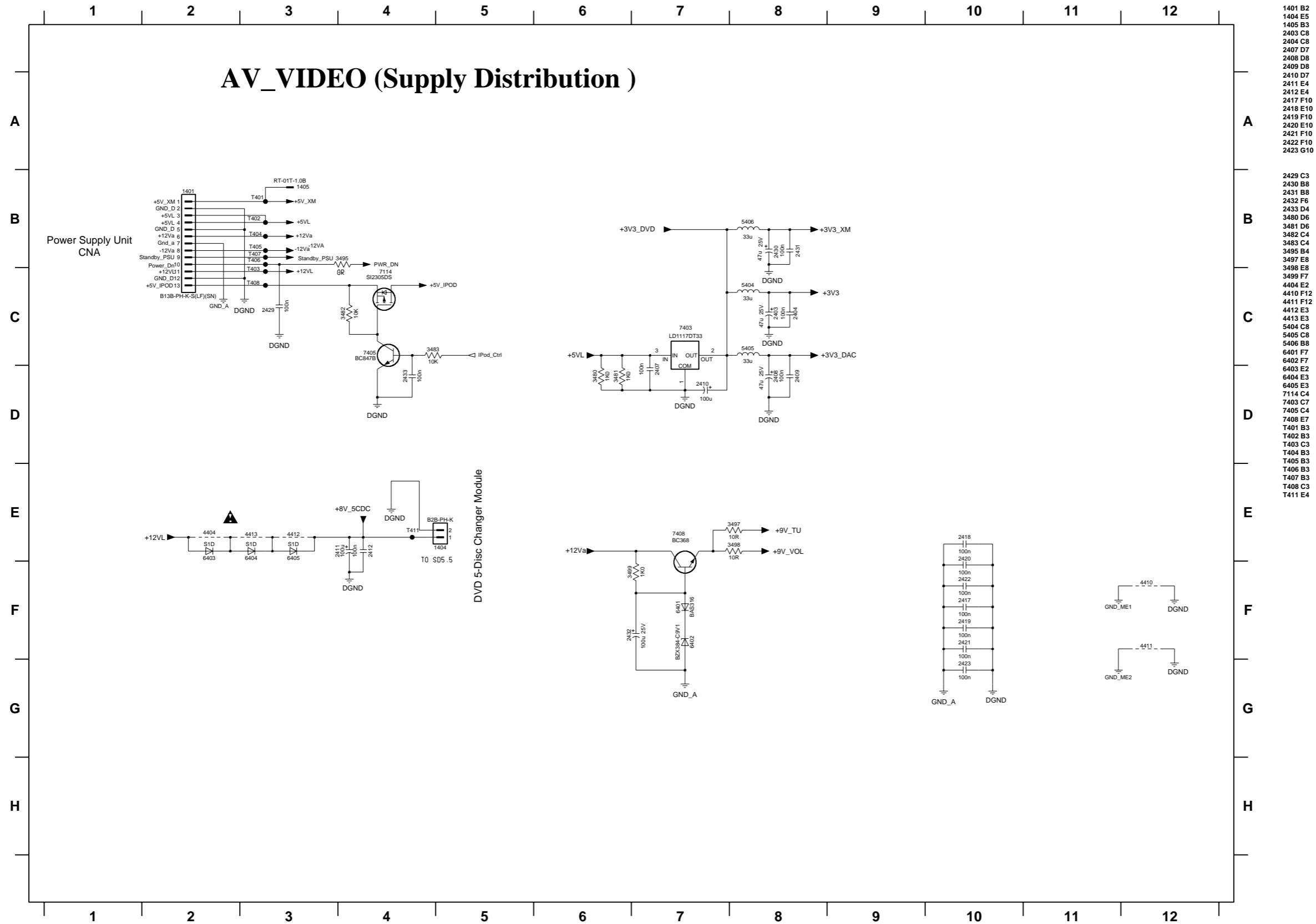
- 7107 D4
- 7108 E4
- 7300 A4
- 7301 A4
- 7302 A5
- 7303 A5
- 7304 B4
- 7307 D5
- 7308 E5
- 7309 E4
- 7310 E6
- 7311 G4
- 7312 H4
- 7313 G5
- 7314 H5
- T300 A8
- T301 A8
- T302 A8
- T303 D8
- T304 D8
- T305 D8
- T306 D11
- T307 D8
- T308 E8

* 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.

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



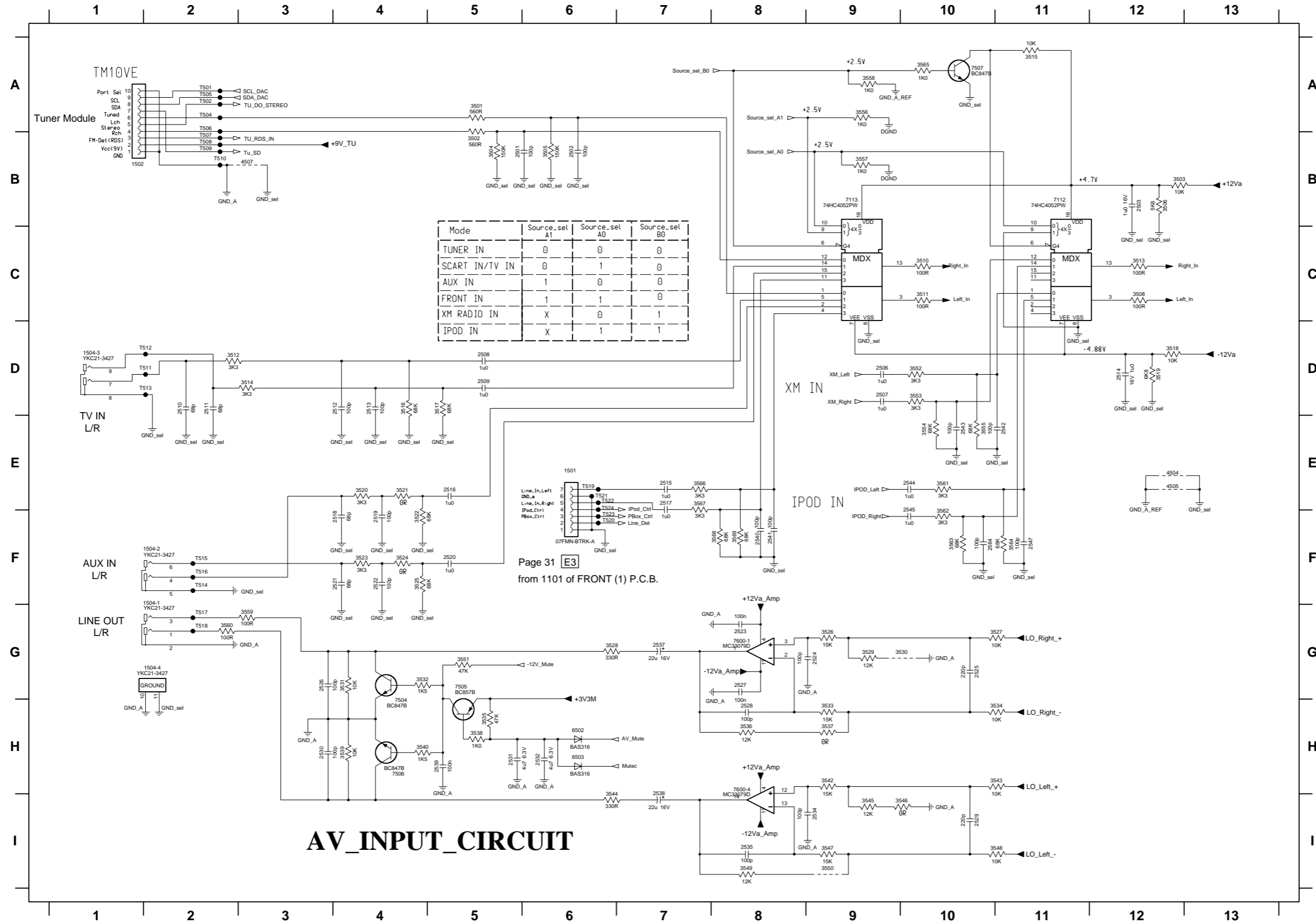
* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.

* Schematic diagram is subject to change without notice.

AV (5/6)

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



- 1501 E6
- 1502 B1
- 1504-1 F2
- 1504-2 F2
- 1504-3 D1
- 1504-4 G2
- 2501 B5
- 2502 B6
- 2503 B12
- 2506 D9
- 2507 D9
- 2508 D5
- 2509 D5
- 2510 D2
- 2511 D2
- 2512 D4
- 2513 D4
- 2514 D12
- 2515 E7
- 2516 E5
- 2517 E7
- 2518 F4
- 2519 F4
- 2520 F5
- 2521 F4
- 2522 F4
- 2523 G8
- 2524 G9
- 2525 G10
- 2526 G3
- 2527 G8
- 2528 H8
- 2529 H0
- 2530 H3
- 2531 H5
- 2532 H6
- 2534 I9
- 2535 I8
- 2537 G7
- 2538 I7
- 2539 H5
- 2540 F8
- 2541 F8
- 2542 E11
- 2543 E10
- 2544 E10
- 2545 F10
- 2547 F11
- 2564 F10
- 3501 A5
- 3502 B5
- 3503 B12
- 3504 B5
- 3505 B6
- 3506 B12
- 3508 C12
- 3510 C10
- 3511 C10
- 3512 D2
- 3513 C12
- 3514 D3
- 3515 A11
- 3516 D4
- 3517 D5
- 3518 D12
- 3519 D12
- 3520 E4
- 3521 E4
- 3522 F4
- 3523 F4
- 3524 F4
- 3525 F4
- 3526 G9
- 3527 G11
- 3528 G6
- 3529 G9
- 3530 G10
- 3531 G4
- 3532 G4
- 3533 H9
- 3534 H11
- 3535 H5
- 3536 H8
- 3537 H9
- 3538 H5
- 3539 H4
- 3540 H4
- 3542 H9
- 3543 H11
- 3544 I6
- 3545 I9
- 3546 I10
- 3547 I9
- 3548 I11
- 3549 I8
- 3550 I9
- 3551 G5
- 3552 D10
- 3553 D10
- 3554 E10
- 3555 E10
- 3556 A9
- 3557 B9
- 3558 A9
- 3559 G3
- 3560 G2
- 3561 E10
- 3562 F10
- 3563 F10
- 3564 F11
- 3565 A10
- 3566 E7
- 3567 E7
- 3568 F8
- 3569 F8
- 4504 E12
- 4505 E12
- 4507 B3
- 4508 H6
- 4509 H6
- 4510 B11
- 4511 B9
- 4512 H4
- 4513 B4
- 4514 G8
- 4515 H8
- 4516 A2
- 4517 A2
- 4518 A2
- 4519 A2
- 4520 A2
- 4521 B2
- 4522 B2
- 4523 B2
- 4524 B2
- 4525 D2
- 4526 D2
- 4527 D2
- 4528 F2
- 4529 F2
- 4530 G2
- 4531 G2
- 4532 G2
- 4533 G2
- 4534 G2
- 4535 G2
- 4536 G2
- 4537 G2
- 4538 G2
- 4539 G2
- 4540 G2

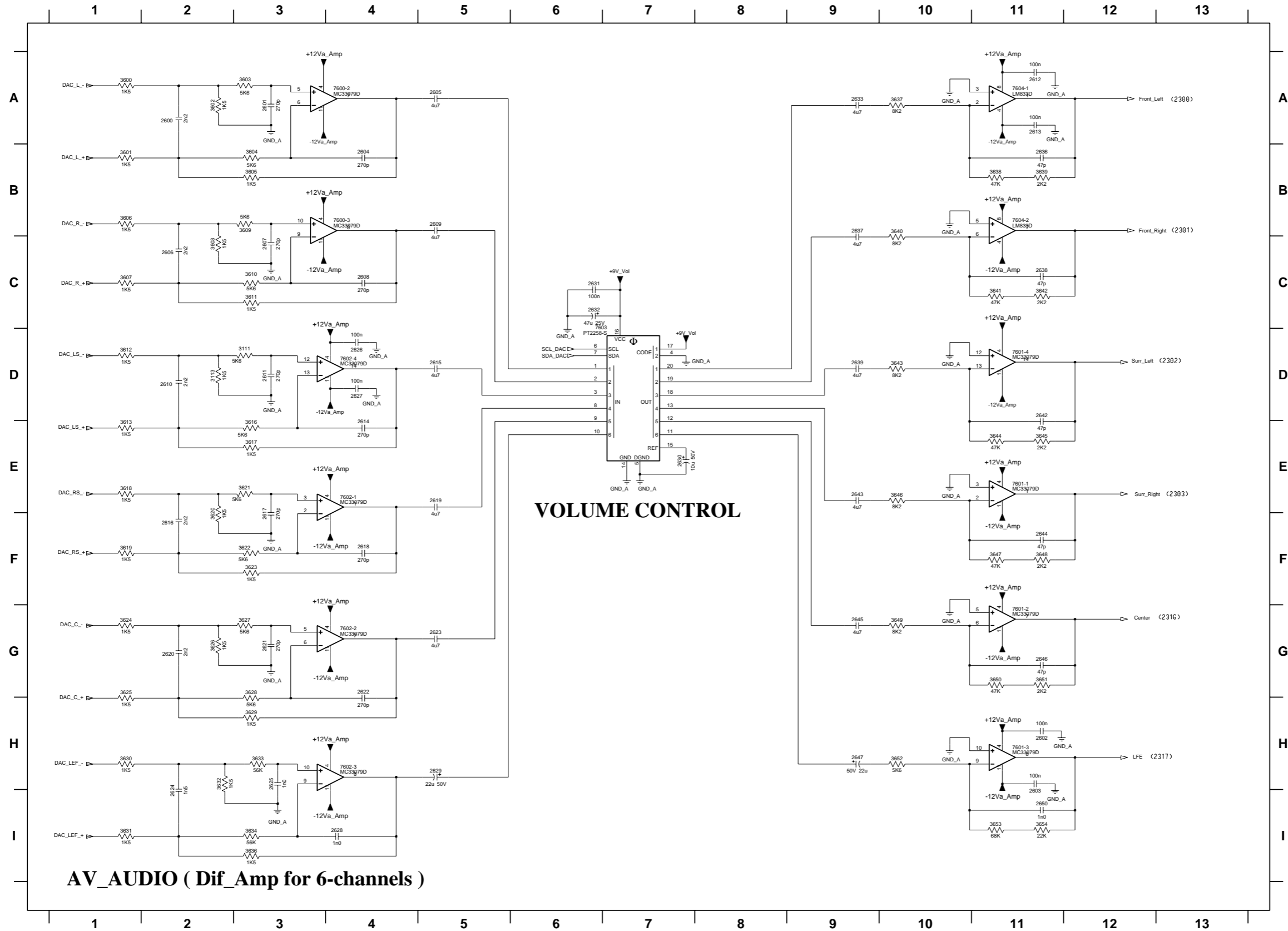
AV_INPUT_CIRCUIT

* 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.

AV (6/6)

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



AV_AUDIO (Dif_Amp for 6-channels)

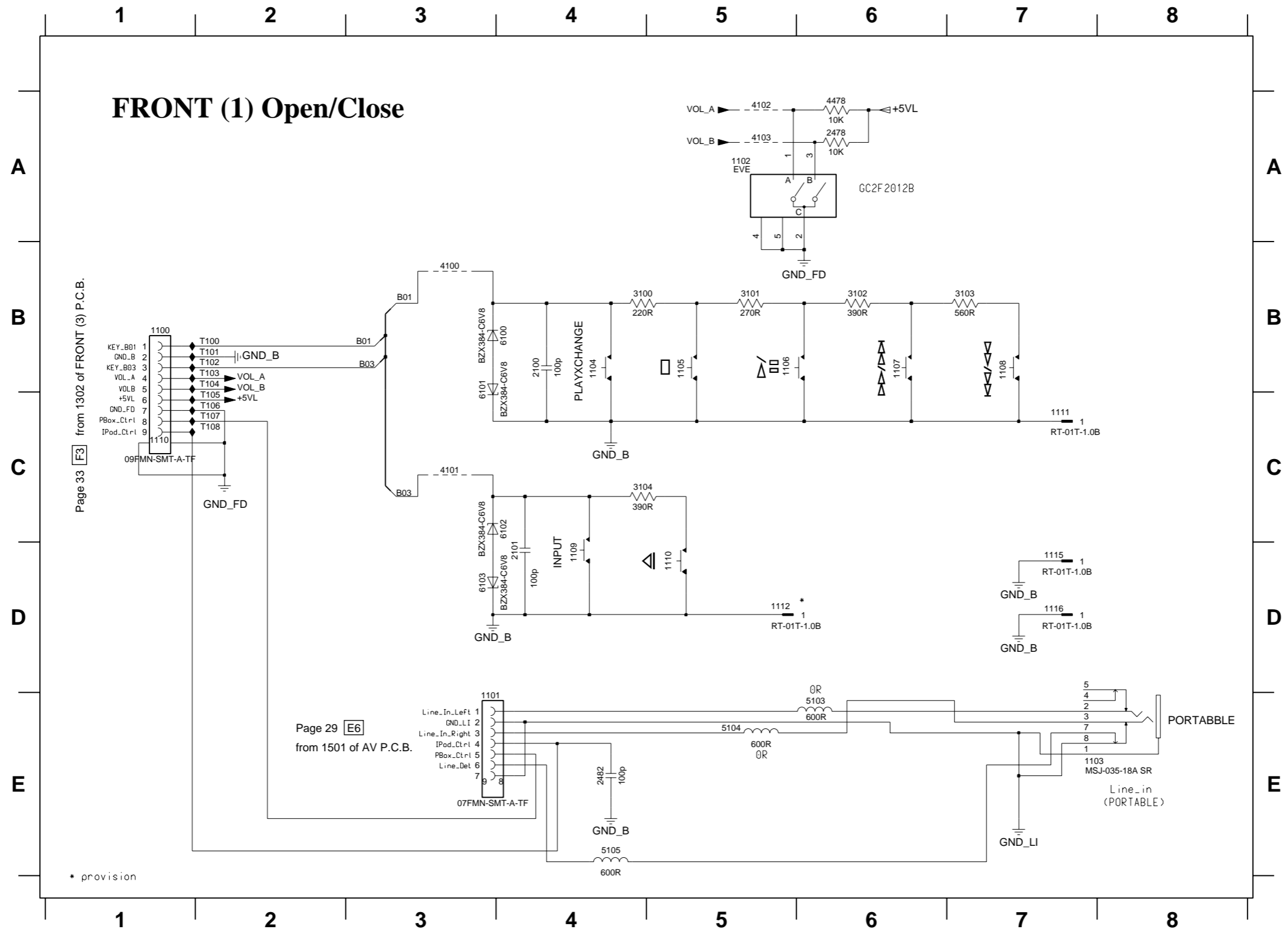
- 2600 A2
- 2601 A3
- 2602 H11
- 2603 H11
- 2604 B4
- 2605 A5
- 2606 C2
- 2607 C3
- 2608 C4
- 2609 B5
- 2610 D2
- 2611 D3
- 2612 A11
- 2613 A11
- 2614 E4
- 2615 D5
- 2616 F2
- 2617 F3
- 2618 F4
- 2619 E5
- 2620 G2
- 2621 C3
- 2622 G4
- 2623 G5
- 2624 I2
- 2625 H3
- 2626 D4
- 2627 D4
- 2628 H4
- 2629 H5
- 2630 E7
- 2631 C6
- 2632 C6
- 2633 A9
- 2636 B11
- 2637 B9
- 2638 C11
- 2639 D9
- 2642 D11
- 2643 E9
- 2644 F11
- 2645 G9
- 2646 G11
- 2647 H9
- 2650 H11
- 3111 D3
- 3113 D2
- 3600 A1
- 3601 B1
- 3602 A2
- 3603 A3
- 3604 B3
- 3605 B3
- 3606 B1
- 3607 C1
- 3608 C2
- 3609 B3
- 3610 C3
- 3611 C3
- 3612 D1
- 3613 E1
- 3616 E3
- 3617 E3
- 3618 E1
- 3619 F1
- 3620 F2
- 3621 E3
- 3622 F3
- 3623 F3
- 3624 G1
- 3625 G1
- 3626 G2
- 3627 G3
- 3628 G3
- 3629 H3
- 3630 H1
- 3631 H1
- 3632 H2
- 3633 H3
- 3634 I3
- 3636 I3
- 3637 A10
- 3638 B11
- 3639 B11
- 3640 B10
- 3641 C11
- 3642 C11
- 3643 D10
- 3644 E11
- 3645 E11
- 3646 E10
- 3647 F11
- 3648 F11
- 3649 G10
- 3650 G11
- 3651 G11
- 3652 H10
- 3653 H11
- 3654 H11
- 7600-2 A4
- 7600-3 B4
- 7601-1 E11
- 7601-2 G11
- 7601-3 H11
- 7601-4 D11
- 7602-1 E4
- 7602-2 G4
- 7602-3 H4
- 7602-4 D4
- 7603 D7
- 7604-1 A11
- 7604-2 B11

* 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.

FRONT (1/4)

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



- 1100 B1
- 1101 E3
- 1102 A5
- 1103 E7
- 1104 B4
- 1105 B5
- 1106 B5
- 1107 B6
- 1108 B7
- 1109 D4
- 1110 D5
- 1111 C7
- 1112 D5
- 1115 D7
- 1116 D7
- 2100 B4
- 2101 D4
- 2478 A6

- 2482 E4
- 3100 B4
- 3101 B5
- 3102 B6
- 3103 B7
- 3104 C4
- 4100 B3
- 4101 C3
- 4102 A5
- 4103 A5

- 4478 A6

- 5103 E6
- 5104 E5
- 5105 E4
- 6100 B4
- 6101 B3
- 6102 C4
- 6103 D3
- T100 B2
- T101 B2
- T102 B2
- T103 B2
- T104 B2
- T105 C2
- T106 C2
- T107 C2
- T108 C2

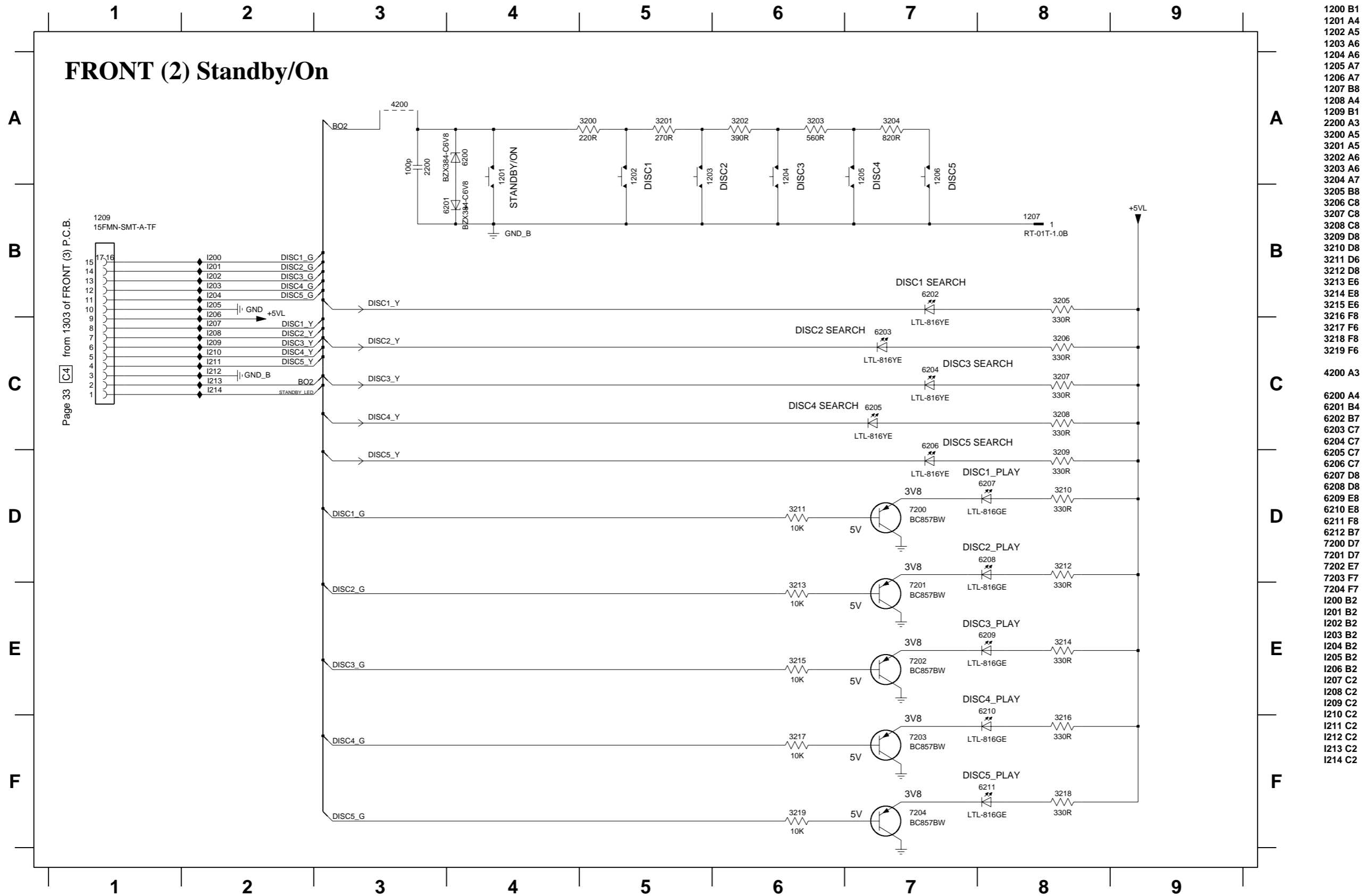
* provision

* 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.

FRONT (2/4)

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



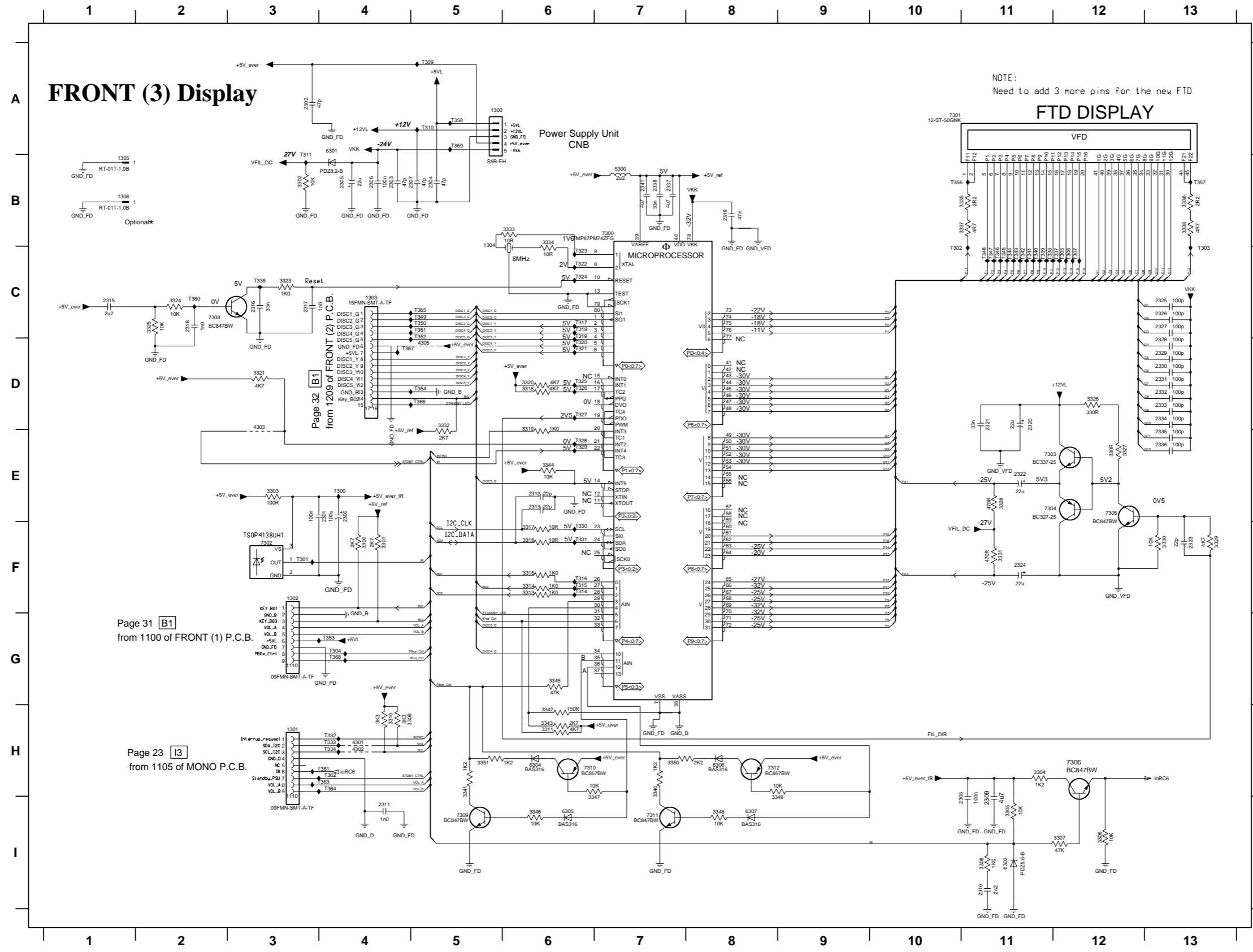
- 1200 B1
- 1201 A4
- 1202 A5
- 1203 A6
- 1204 A6
- 1205 A7
- 1206 A7
- 1207 B8
- 1208 A4
- 1209 B1
- 2200 A3
- 3200 A5
- 3201 A5
- 3202 A6
- 3203 A6
- 3204 A7
- 3205 B8
- 3206 C8
- 3207 C8
- 3208 C8
- 3209 D8
- 3210 D8
- 3211 D6
- 3212 D8
- 3213 E6
- 3214 E8
- 3215 E6
- 3216 F8
- 3217 F6
- 3218 F8
- 3219 F6
- 4200 A3
- 6200 A4
- 6201 B4
- 6202 B7
- 6203 C7
- 6204 C7
- 6205 C7
- 6206 C7
- 6207 D8
- 6208 D8
- 6209 E8
- 6210 E8
- 6211 F8
- 6212 B7
- 7200 D7
- 7201 D7
- 7202 E7
- 7203 F7
- 7204 F7
- I200 B2
- I201 B2
- I202 B2
- I203 B2
- I204 B2
- I205 B2
- I206 B2
- I207 C2
- I208 C2
- I209 C2
- I210 C2
- I211 C2
- I212 C2
- I213 C2
- I214 C2

* 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.

FRONT (3/4)

The first digit of a component type.

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



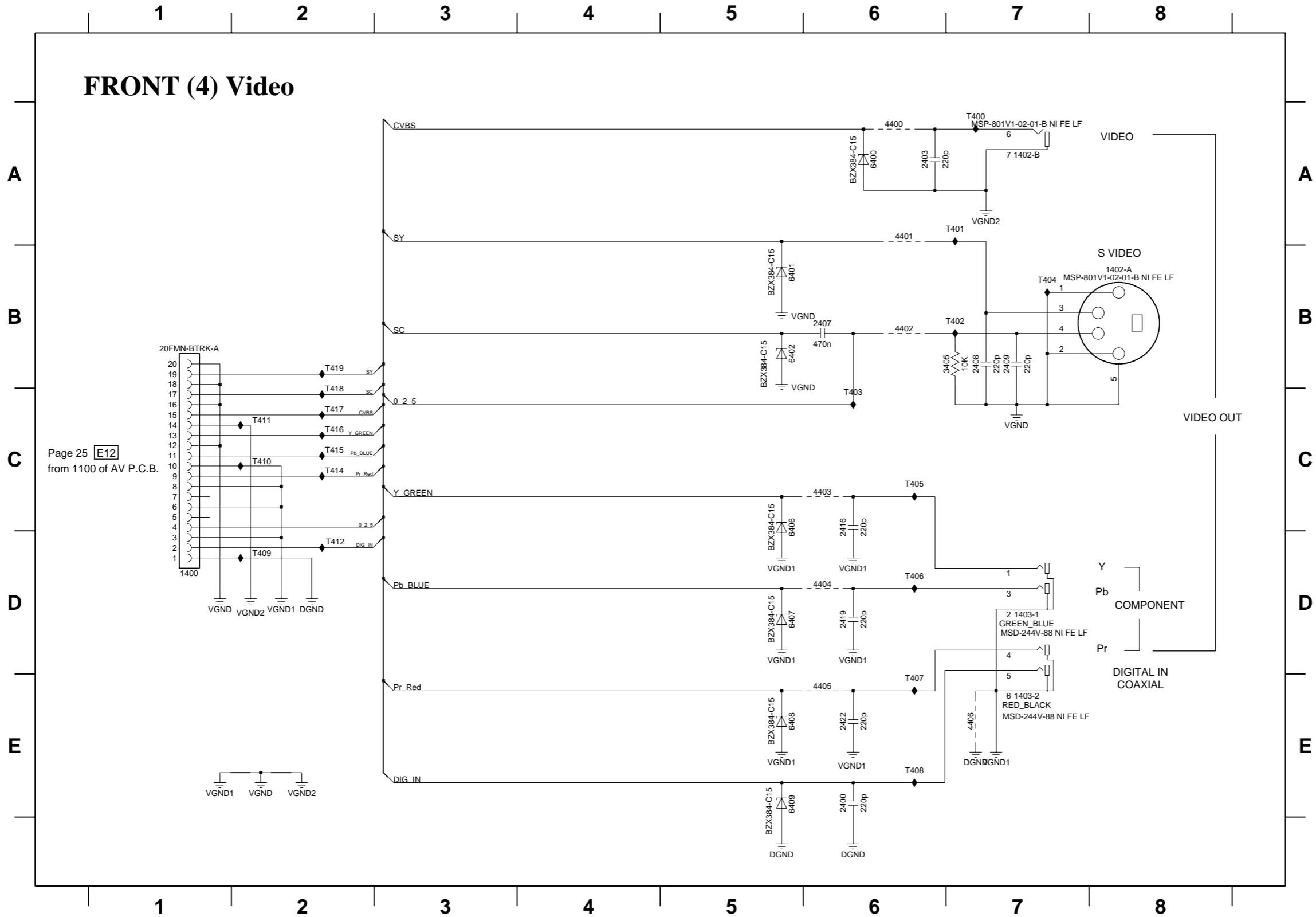
1300 A5	7304 E12
1301 H3	7305 E12
1302 F3	7306 H12
1303 C4	7308 C2
1304 C5	7309 I5
1305 B1	7310 H6
1306 B1	7311 I7
2300 E4	7312 H8
2301 E4	7313 H8
2302 A3	7300 E4
2303 B4	7301 F3
2304 B5	7302 C10
2305 B4	7303 C13
2306 B4	7304 G4
2307 B5	7305 C12
2308 I11	7306 C12
2309 I11	7307 C12
2310 I11	7309 A5
2311 H4	7310 A5
2312 E6	7311 A3
2313 E6	7314 F6
2315 C1	7316 F6
2316 C3	7317 C6
2317 C3	7318 C6
2318 C2	7319 C6
2319 B8	7320 D6
2320 D11	7321 D6
2321 D11	7322 C6
2322 E11	7323 C6
2323 F13	7324 C6
2324 F11	7325 D6
2325 C13	7326 D6
2326 C13	7327 D6
2327 C13	7328 E6
2328 D13	7329 E6
2329 D13	7330 F6
2330 D13	7331 F6
2331 D13	7332 H4
2332 D13	7333 H4
2333 D13	7334 H4
2334 D13	7335 C3
2335 E13	7336 D3
2336 E13	7337 C12
2337 B7	7338 C11
2338 B7	7339 C11
2341 B7	7342 C11
3300 F4	7343 C11
3301 F4	7344 C11
3302 B3	7345 C11
3303 E3	7346 C11
3304 H11	7347 C11
3305 H11	7348 C11
3306 H12	7349 C5
3307 H2	7350 C5
3308 H11	7351 C5
3309 H5	7352 C5
3310 H4	7353 G4
3311 H6	7354 D5
3313 F6	7356 B11
3314 F6	7357 B13
3315 F6	7358 A5
3316 F6	7359 A5
3317 F6	7360 C2
3318 D6	7361 H4
3319 E5	7362 H4
3320 D6	7363 H4
3321 D3	7364 H4
3323 C3	7365 C5
3324 C2	7366 D5
3325 C2	7367 D4
3326 D12	7368 D4
3327 E12	
3328 E11	
3329 F13	
3330 F13	
3331 F11	
3332 D5	
3333 B6	
3334 B6	
3335 B11	
3336 B13	
3337 B11	
3338 B13	
3340 H7	
3341 H5	
3342 H6	
3343 H6	
3344 E6	
3345 G6	
3346 I6	
3347 H6	
3348 I8	
3349 H8	
3350 H7	
3351 H5	
4301 H4	
4302 H4	
4303 D3	
4305 D5	
5300 B7	
6301 A4	
6302 I11	
6304 H6	
6305 I6	
6306 H8	
6307 I8	
7300 B7	
7301 A10	
7302 F3	
7303 E12	

* 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.

FRONT (4/4)

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



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 from 1100 of AV P.C.B.

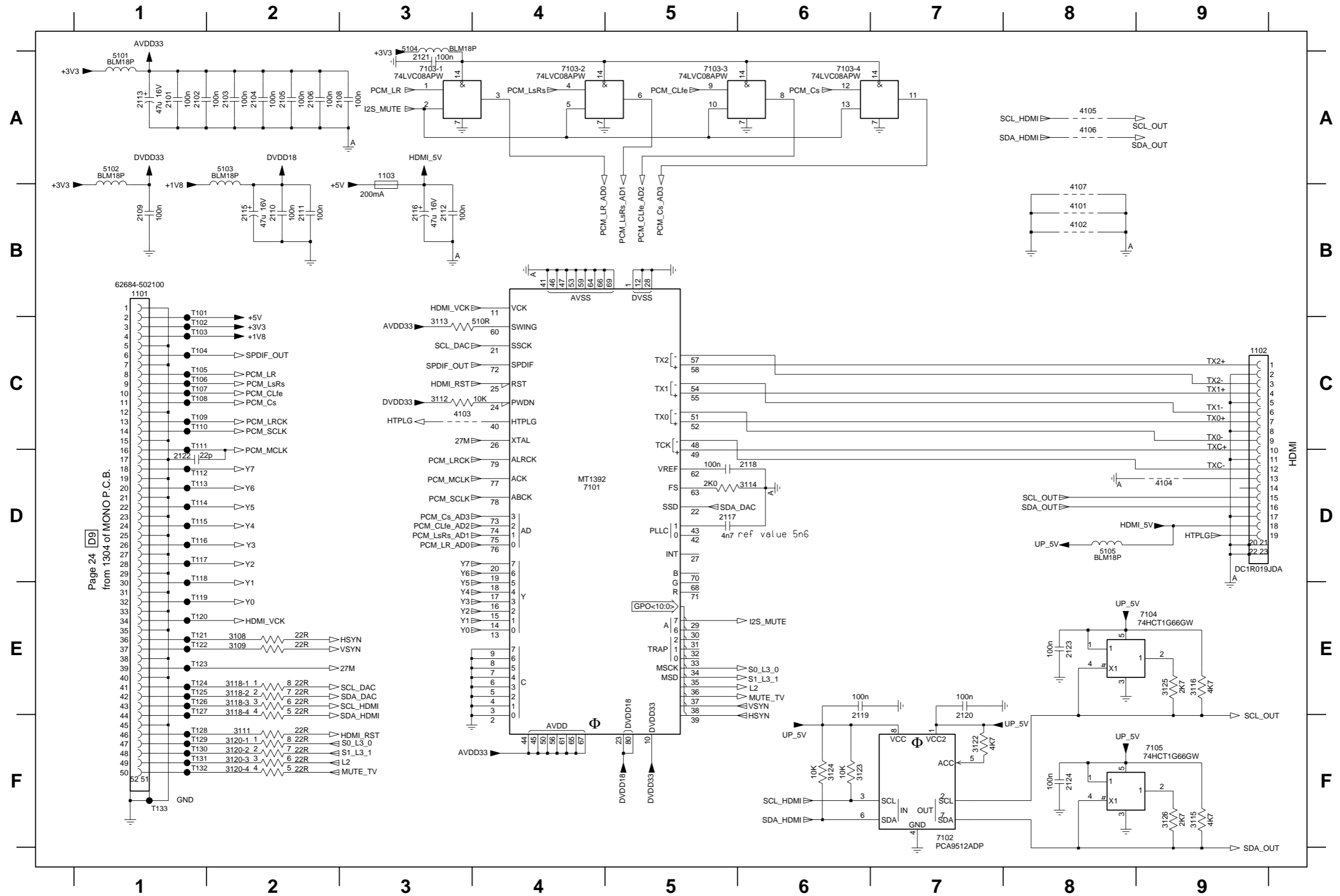
- 1400 D1
- 1402-A B8
- 1402-B A7
- 1402-C C8
- 1403-1 D7
- 1403-2 E7
- 2400 E6
- 2403 A6
- 2407 B6
- 2408 B7
- 2409 B7
- 2416 C6
- 2419 D6
- 2422 E6
- 3405 B7
- 4400 A6
- 4401 A6
- 4402 B6
- 4403 C6
- 4404 D6
- 4405 E6
- 4406 E7
- 6400 A6
- 6401 B5
- 6401 B5
- 6402 B5
- 6406 C5
- 6407 D5
- 6408 E5
- 6409 E5
- T400 A7
- T401 A7
- T402 B7
- T403 C6
- T404 B7
- T405 C6
- T406 D6
- T407 E6
- T408 E6
- T409 D2
- T410 C2
- T411 C2
- T412 D2
- T414 C2
- T415 C2
- T416 C2
- T417 C2
- T418 C2
- T419 B2

* 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.

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

HDMI



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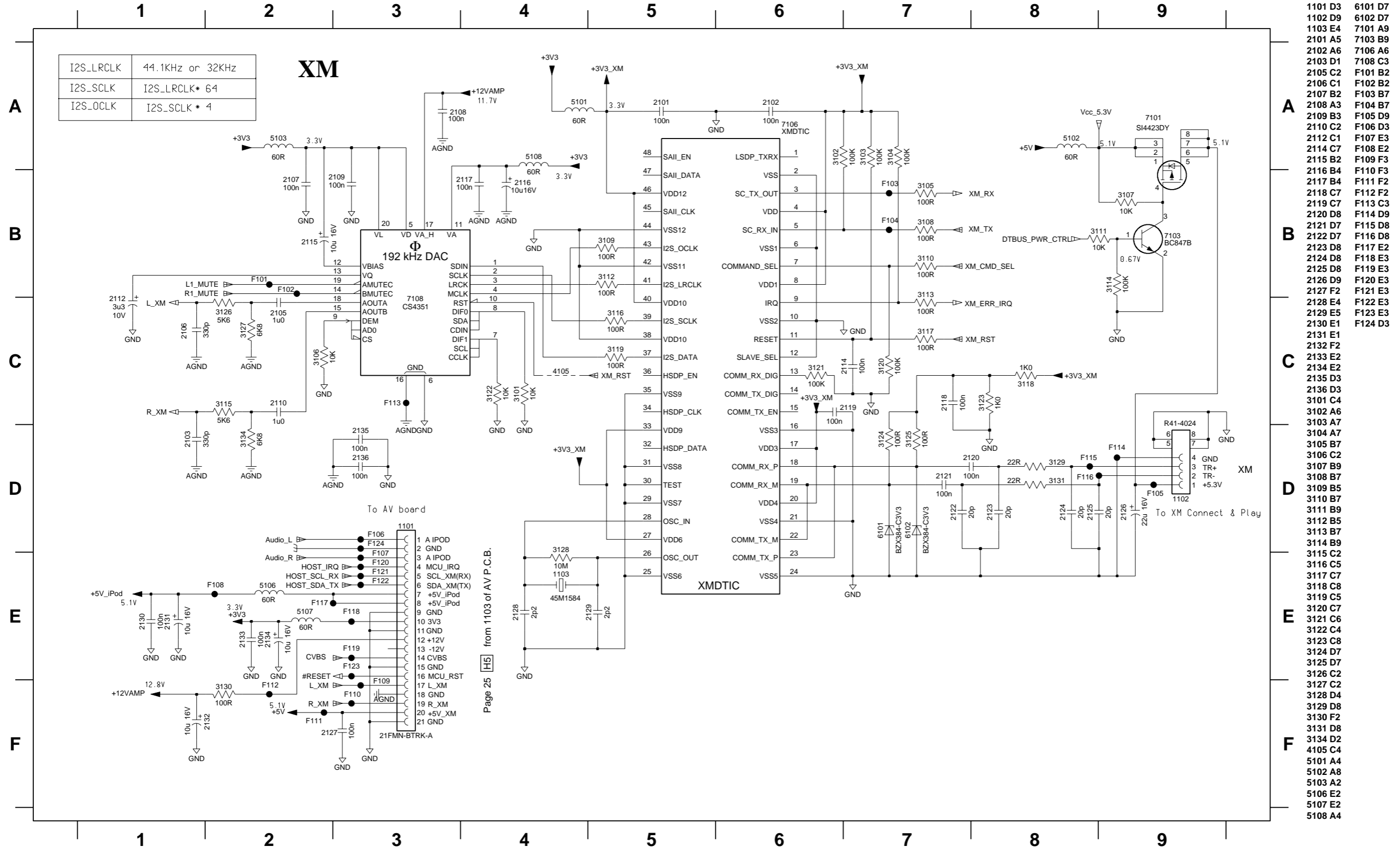
- 1101 B1
- 1102 C9
- 1103 A3
- 2101 A1
- 2102 A1
- 2103 A2
- 2104 A2
- 2105 A2
- 2106 A2
- 2108 A3
- 2109 B1
- 2110 B2
- 2111 B2
- 2112 B3
- 2113 A1
- 2115 B2
- 2116 B3
- 2117 D5
- 2118 D6
- 2119 E6
- 2120 E7
- 2121 A3
- 2122 D1
- 2123 E8
- 2124 F8
- 3108 E2
- 3109 E2
- 3111 F2
- 3112 C3
- 3113 C3
- 3114 D6
- 3115 F9
- 3116 E9
- 3118-1 E2
- 3118-2 E2
- 3118-3 E2
- 3118-4 E2
- 3120-1 F2
- 3120-2 F2
- 3120-3 F2
- 3120-4 F2
- 3122 F7
- 3123 F6
- 3124 F6
- 3125 E9
- 3126 F9
- 4101 B8
- 4102 B8
- 4103 C3
- 4104 D9
- 4105 A8
- 4106 A8
- 4107 A8
- 5101 A1
- 5102 A1
- 5103 A2
- 5104 A3
- 5105 D8
- 7101 D4
- 7102 F7
- 7103-1 A3
- 7103-2 A4
- 7103-3 A5
- 7103-4 A6
- 7104 E9
- 7105 F9
- T101 B1
- T102 C1
- T104 C1
- T105 C1
- T106 C1
- T107 C1
- T108 C1
- T109 C1
- T110 C1
- T111 C1
- T112 D1
- T113 D1
- T114 D1
- T115 D1
- T116 D1
- T117 D1
- T118 D1
- T119 E1
- T120 E1
- T121 E1
- T122 E1
- T123 E1
- T124 E1
- T125 E1
- T126 E1
- T127 E1
- T128 F1
- T129 F1
- T130 F1
- T131 F1
- T132 F1
- T133 F1

* 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.

XM (1/2)

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



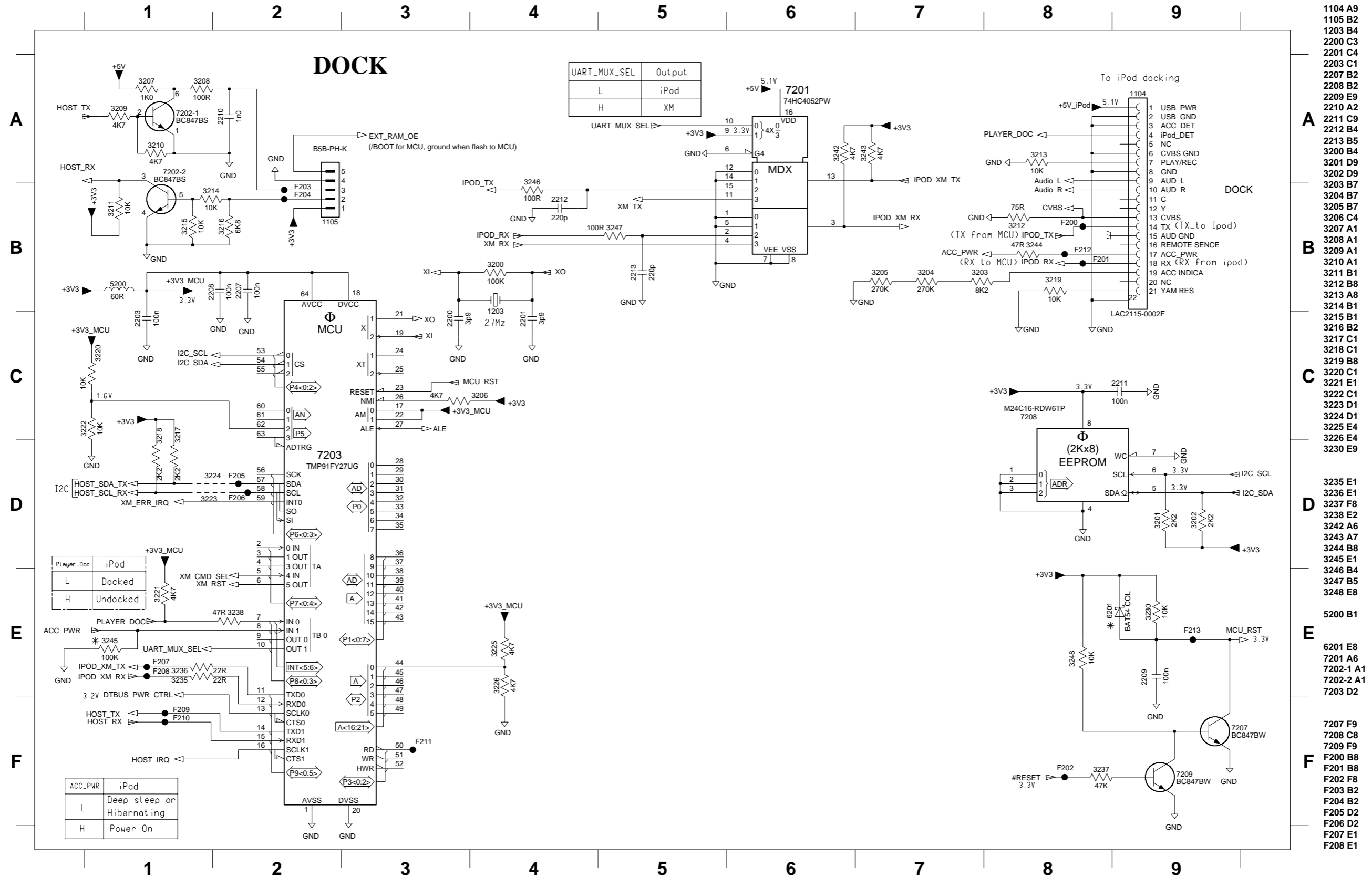
Page 25 [H5] from 1103 of AV P.C.B.

* 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.

XM (2/2)

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



* 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.

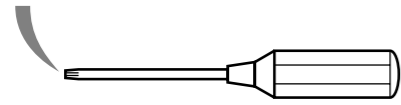
REPLACEMENT PARTS LIST

OVERALL ASS'Y

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

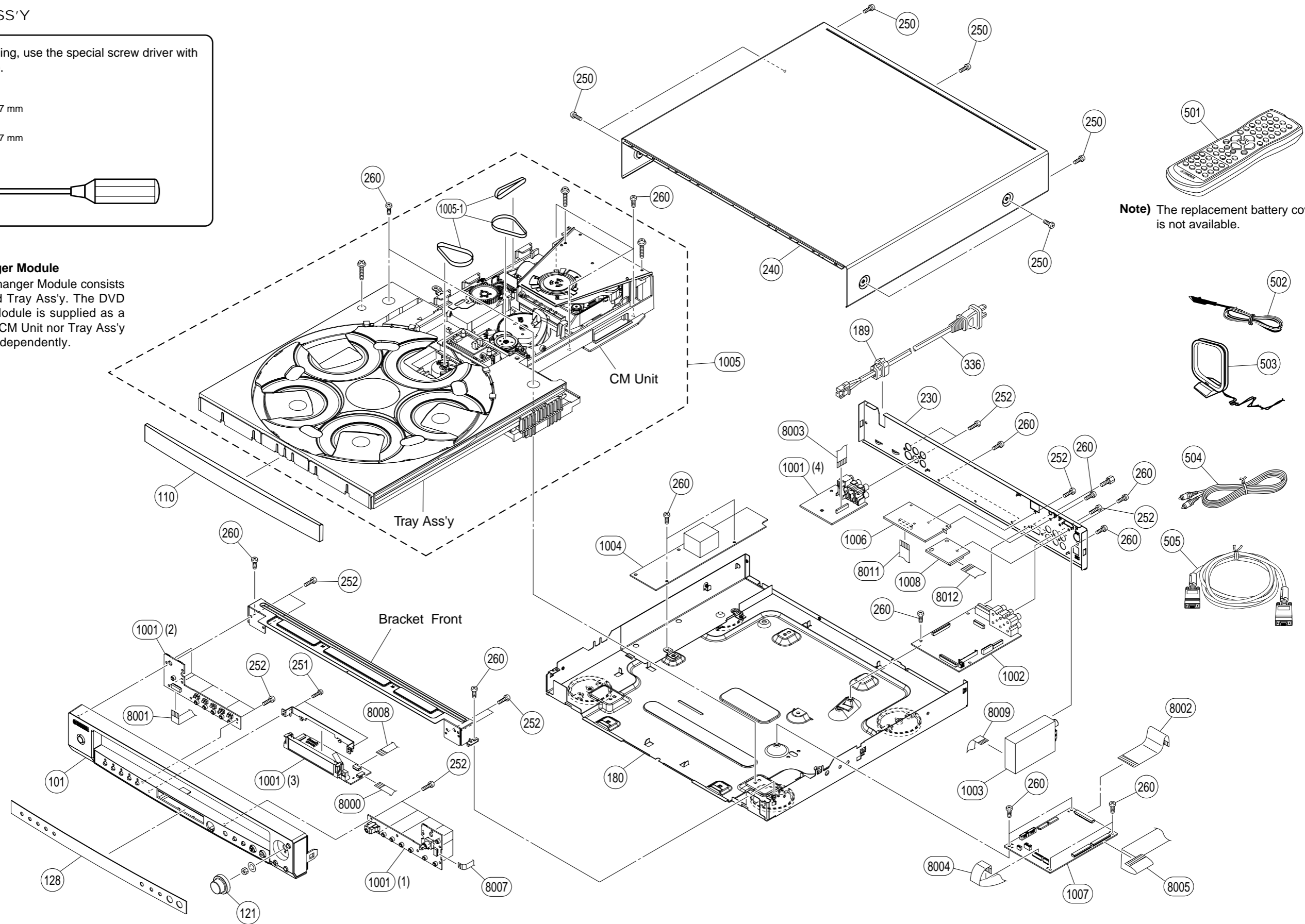
T10  2.7 mm

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

■ WARNING

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

Ref. No.	Part No.	Description	Remarks	Markets
* 101	AAX78870	FRONT ASS'Y	BL	3141 079 39621
* 101	AAX78860	FRONT ASS'Y	SI	3141 079 39611
110	AAX67280	TRAY COVER	BL	3139 254 02182
110	AAX67270	TRAY COVER	SI	3139 244 06141
121	AAX67300	KNOB VOLUME	BL	3139 254 02172
121	AAX67290	KNOB VOLUME	SI	3139 244 06181
* 128	AAX78780	WINDOW		3139 244 12781
* 180	AAX78850	FRAME ASS'Y		3141 079 32481
189	AAX53540	BUSH	450H259010	3139 114 26671
* 230	AAX78880	REAR PANEL		3139 241 25021
240	AAX59320	TOP COVER	BL	3139 241 22041
240	AAX67260	TOP COVER	SI	3139 111 31041
250	AAX23640	PAN HEAD TORX S-TIGHT SCREW	BL 3x6 MFZN2B3	4822 502 13988
250	AAX23650	PAN HEAD TORX S-TIGHT SCREW	SI 3x6 MFZN2W3	2511 077 01039
251	AAX59360	PAN HEAD TORX S-TIGHT SCREW	2x8 MFZN2B3	2511 076 50003
252	AAX53520	PAN HEAD TORX P-TIGHT SCREW	3x8 MFZN2B3	2511 076 50012
260	AAX23640	PAN HEAD TORX S-TIGHT SCREW	3x6 MFZN2B3	2511 077 00039
△ 336	AAX47750	POWER CABLE	1.8m	2422 070 98235
* 1001	AAX78770	P.C.B. ASS'Y	FRONT	3139 248 88101
* 1002	AAX78730	P.C.B. ASS'Y	AV	3139 248 88121
* 1003	AAX78710	AM/FM TUNER	ENG06806QRF	2422 542 00032
△ * 1004	AAX78910	POWER SUPPLY UNIT	06P25	3139 247 13182
* 1005	AAX78720	DVD 5-DISC CHANGER MODULE	SD5.5	3139 247 13121
1005-1	VQ776900	BELT	V	
* 1006	AAX78760	P.C.B. ASS'Y	XM	3139 248 89801
* 1007	AAX78750	P.C.B. ASS'Y	MONO SD6.5	3139 248 88041
* 1008	AAX78740	P.C.B. ASS'Y	HDMI	3139 248 88051
* 8000	AAX78820	FLEXIBLE FLAT CABLE	9P 180mm P=1mm	3139 241 02681
* 8001	AAX78800	FLEXIBLE FLAT CABLE	15P 220mm P=1mm	3139 241 00801
8002	AAX67190	FLEXIBLE FLAT CABLE	30P 60mm P=1mm	3139 111 04271
* 8003	AAX78830	FLEXIBLE FLAT CABLE	20P 280mm P=1mm	3139 241 02731
8004	AAX58220	FLEXIBLE FLAT CABLE	16P 220mm P=1mm	3139 111 02421
8005	AAX67200	FLEXIBLE FLAT CABLE	30P 280mm P=1mm	3139 111 04571
8007	AAX67210	FLEXIBLE FLAT CABLE	7P 480mm P=1mm	3139 241 00701
8008	AAX67220	FLEXIBLE FLAT CABLE	9P 400mm P=1mm	3139 241 00761
* 8009	AAX78790	FLEXIBLE FLAT CABLE	10P 80mm P=1mm	3139 111 02721
* 8011	AAX78810	FLEXIBLE FLAT CABLE	21P 80mm P=1mm	3139 241 01561
* 8012	AAX78840	FLEXIBLE FLAT CABLE	50P 280mm P=0.5mm	3139 241 02741
		ACCESSORY		
* 501	AAX78900	REMOTE CONTROL	BL	3139 238 13551
* 501	AAX78890	REMOTE CONTROL	SI	3139 238 13541
502	AAX67120	INDOOR FM ANTENNA		2422 076 00546
503	AAX67100	AM LOOP ANTENNA		2422 549 45386
504	AAX22970	VIDEO PIN CABLE	1P YE 1.5m 1pc	3104 108 45432
505	AAX67250	SYSTEM CONTROL CABLE	D-SUB 15P 4m 1pc	2422 076 00671
		BATTERY	SUM-3N 2pcs	

* New Parts

DVR-C310

