

DVD AUDIO/VIDEO SA-CD PLAYER

DVD-C961

SERVICE MANUAL

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.



■ TO SERVICE PERSONNEL

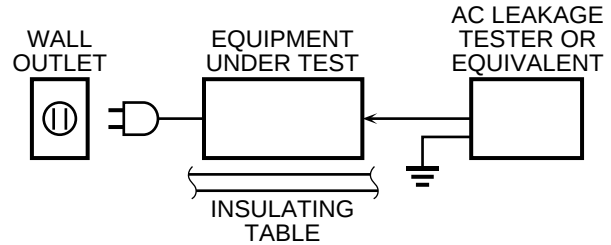
1. Critical Components Information

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.

WARNING: CHEMICAL CONTENT NOTICE!

This product contains chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

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

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.

About lead free solder

All of the P.C.B.s installed in this unit and solder joints are soldered using the lead free solder.

Among some types of lead free solder currently available, it is recommended to use one of the following types for the repair work.

- Sn + Ag + Cu (tin + silver + copper)
- Sn + Cu (tin + copper)
- Sn + Zn + Bi (tin + zinc + bismuth)

Caution:

As the melting point temperature of the lead free solder is about 30°C to 40°C (50°F to 70°F) higher than that of the lead solder, be sure to use a soldering iron suitable to each solder.

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)
 780 nm (VCD/CD)
 Output power: 7 mW (DVD/VCD/CD)
 Beam divergence: 60 degrees

CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING
 UNDGÅ UDSÆTTELSE FOR STRÅLING

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL
 ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN

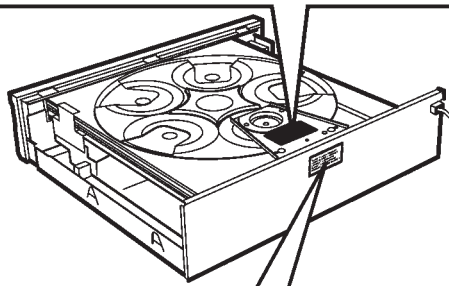
VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR
 DENNA DEL ÄR ÖPPNAD BETRakta EJ STRÅLEN

VARO ! AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA
 NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE, ÄLÄ KATSO SÄTEESEEN

VORSICHT SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG
 WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN

DANGER VISIBLE AND INVISIBLE LASER RADIATION WHEN
 OPEN AVOID DIRECT EXPOSURE TO BEAM

ATTENTION RAYONNEMENT LASER VISIBLE ET INVISIBLE EN
 CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU



CLASS 1 LASER PRODUCT
LASER KLASSE 1 PRODUKT
LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT
PRODUIT LASER DE CLASSE 1

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.

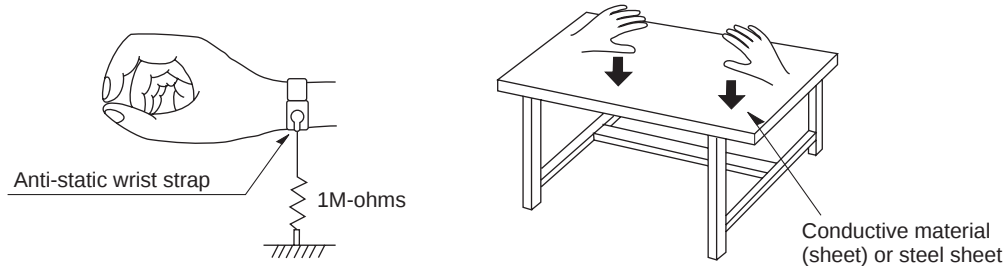
■ PREVENTION OF ELECTROSTATIC DISCHARGE

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

Some devices, such as the DVD player, use an optical pickup (laser diode) that will be damaged by static electricity in the working environment. Only attempt service after ensuring that all grounding procedures have been completed.

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.



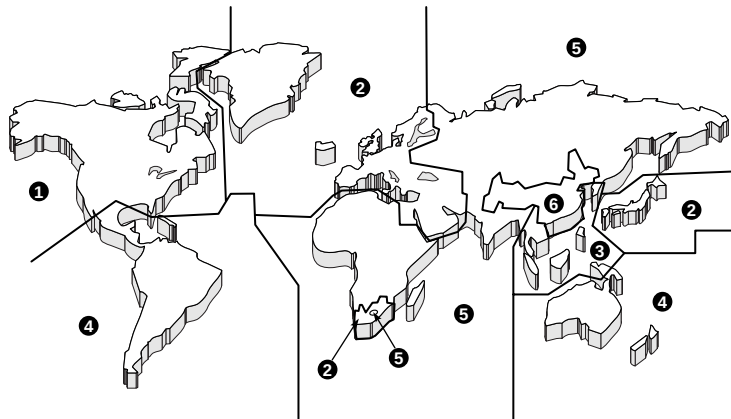
2. Handling Precautions for DVD mechanism

1. Handle the DVD mechanism 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

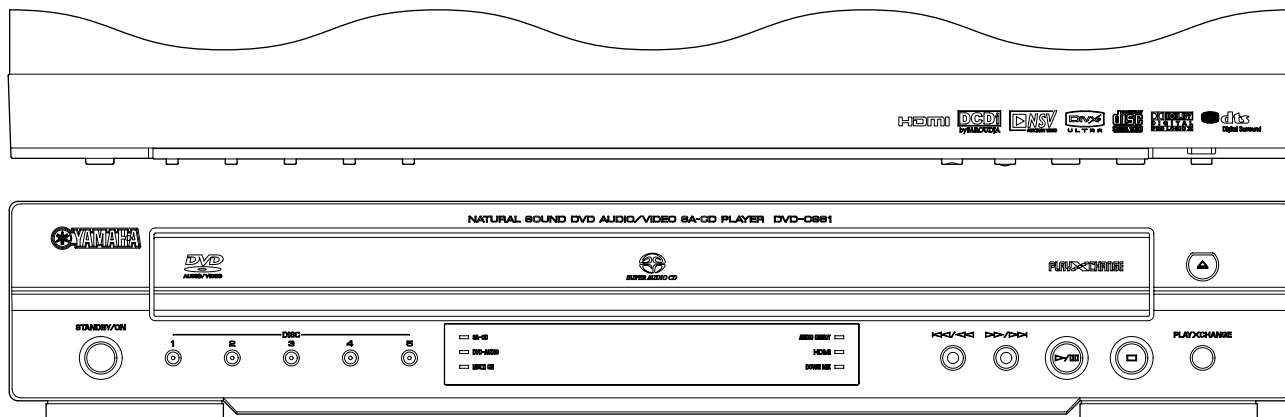
Locale Management Information : This DVD player is designed and manufactured to respond to the Locale Management Information that is recorded on a DVD disc. If the Locale number described on the DVD disc does not correspond to the Locale number of this DVD player, this DVD player cannot play this disc.

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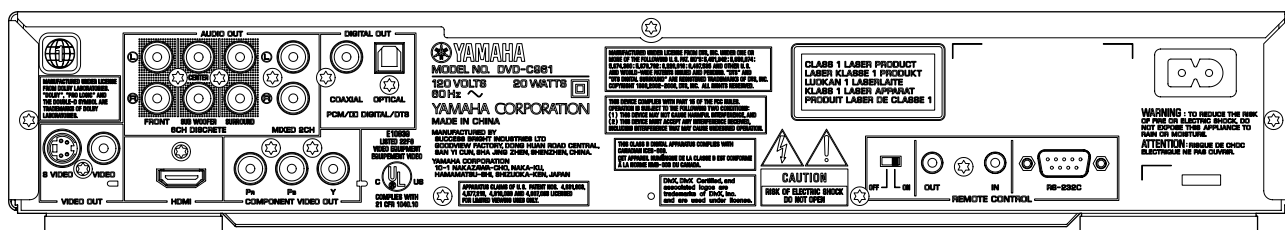
FRONT PANEL

U model

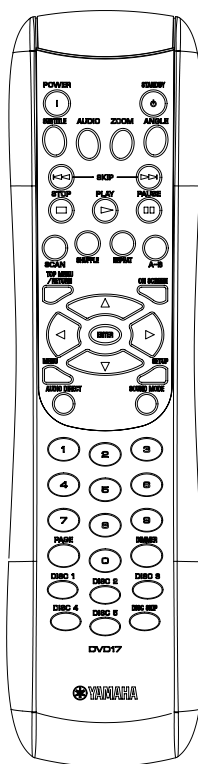


REAR PANEL

U model



REMOTE CONTROL PANEL



SPECIFICATIONS

PLAYBACK SYSTEM

DVD-video, VR (video recording) format (DVD-RW)	
DVD-audio	
DVD-R, DVD-RW	
DVD+R, DVD+RW, DVD+R DL	
Video CD, SVCD	
SA-CD multi-channel and SA-CD stereo	
CD	
Picture CD	
CD-R, CD-RW	
MP3 (ISO 9660)	fs 16, 22.05, 24, 32, 44.1, 48 kHz / 96, 128, 256 kbps (CBR only)
WMA	fs 44.1 kHz, 62 kbps to 192 kbps (CBR only) / fs 48 kHz, 128 kbps to 192 kbps (CBR only)
DivX®	
JPEG	3072 x 2048 pixels or less

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 P _B /C _B P _R /C _R : 0.7 Vpp into 75 ohms
Black level shift	On/Off

AUDIO FORMAT

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

Full decoding of Dolby Digital and DTS multi-channel sound
Analog stereo sound
Dolby surround compatible downmix from Dolby Digital multi-channel sound
Dolby Pro Logic II
3D sound for virtual 5.1 channel sound on 2 speakers

AUDIO PERFORMANCE

DA converter	24 bits, 192 kHz
Signal to noise (1 kHz)	105 dB
Dynamic range (1 kHz)	100 dB
DVD	fs 96 kHz 2 Hz to 44 kHz fs 48 kHz 2 Hz to 22 kHz
SVCD	fs 48 kHz 2 Hz to 22 kHz fs 44.1 kHz 2 Hz to 20 kHz
CD/VCD	fs 44.1 kHz 2 Hz to 20 kHz
Distortion and noise (1 kHz)	0.0035 %

TV STANDARD

Number of lines	PAL: 625, NTSC: 525
Vertical frequency	PAL: 50 Hz, NTSC: 60 Hz
Playback	Multistandard (PAL/NTSC)
HDMI video output	480 p/60 Hz, 576 p/50 Hz, 720 p/60 Hz, 1080 i/60 Hz, 1080 p/60 Hz

CONNECTIONS

Video output	RCA/Phono x 1 (yellow)
S-video output	Mini DIN, 4 pins x 1

Component video output

Y output	RCA/Phono x 1 (green)
P _B output	RCA/Phono x 1 (blue)
P _R output	RCA/Phono x 1 (red)

2-channel audio output (L+R)

RCA/Phono x 1 pair (white/red)

6-channel audio output

Audio front L/R	RCA/Phono x 1 pair (white/red)
Audio surround L/R	RCA/Phono x 1 pair (white/red)
Audio center	RCA/Phono x 1 (black)
Audio subwoofer	RCA/Phono x 1 (black)

Digital output

Coaxial	RCA/Phono x 1 IEC60958 for CDDA / LPCM, IEC61937 for MPEG2, Dolby Digital, DTS
Optical	RCA/Phono x 1 IEC60958 for CDDA / LPCM, IEC61937 for MPEG2, Dolby Digital, DTS
HDMI (Ver. 1.1)	Type A x 1 IEC60958 for CDDA / LPCM, IEC61937 for MPEG2, Dolby Digital, DTS PCM (PPCM) multi / 2ch (DVD-audio), PCM multi / 2ch (SA-CD)

Remote control

Input	ø3.5 mm mini jack x 1
Output	ø3.5 mm mini jack x 1

RS-232C

D-sub 9 P

GENERAL

Dimensions (W x D x H)	435 x 425 x 75 mm (17-1/8" x 16-3/4" x 2-15/16")
Weight	Approx. 5.5 kg (12 lbs. 2 oz.)
Finish	Black color
Power supply	AC 120 V, 60 Hz
Power consumption	Approx. 20 W
Standby power consumption	Less than 0.5 W

ACCESSORIES

Remote control x 1
Battery (R6, AA, UM-3) x 2
Power cable (1.5 m) x 1
Audio/Video pin cable (1.5 m) x 1

* *Specifications are subject to change without prior notice.*

U U.S.A. model



Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

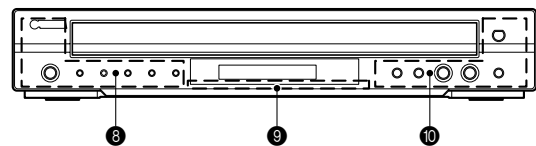
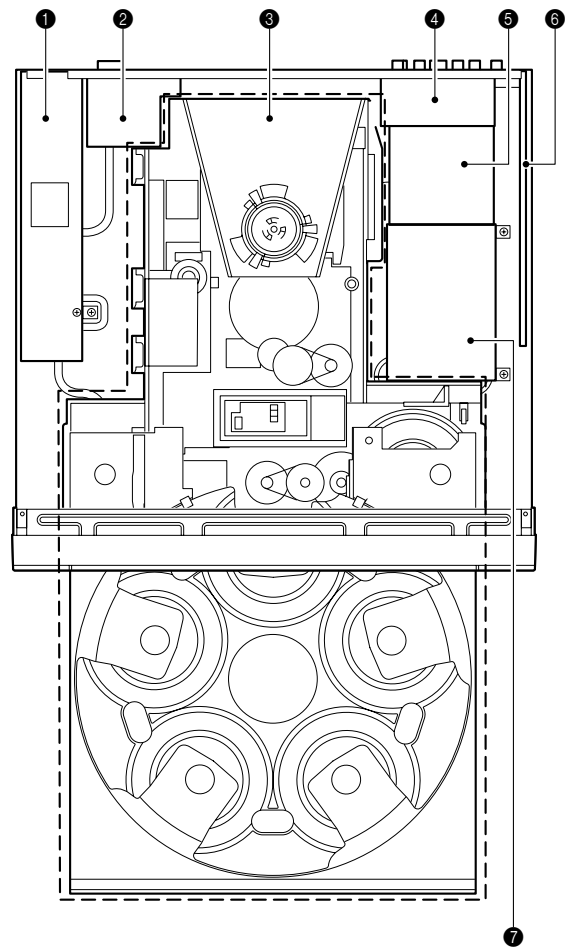


"DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.

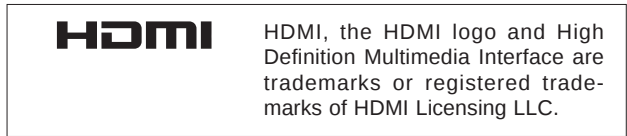


"DCDi" is a trademark of Faroudja, a division of Genesis Microchip, Inc.

■ INTERNAL VIEW

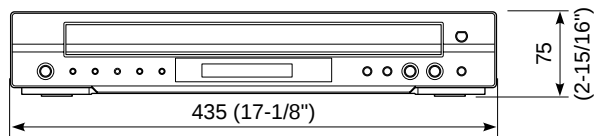
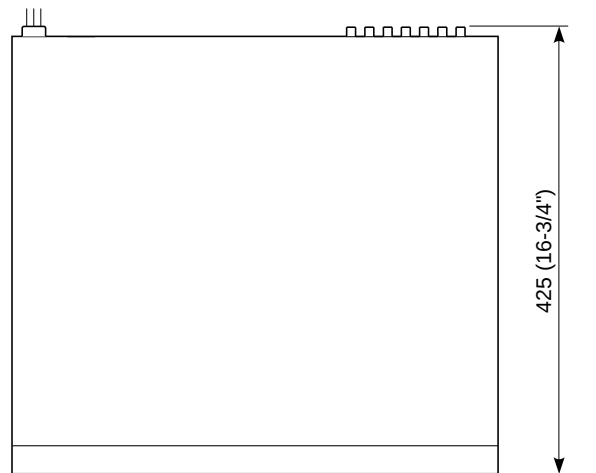


- 1 POWER SUPPLY UNIT
- 2 RS232C P.C.B.
- 3 DVD 5-DISC CHANGER MODULE
- 4 FRONT (4) P.C.B.
- 5 HDMI P.C.B.
- 6 AV P.C.B.
- 7 MONO P.C.B.
- 8 FRONT (2) P.C.B.
- 9 FRONT (1) P.C.B.
- 10 FRONT (3) P.C.B.



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• DIMENSIONS



Unit: mm (inch)

■ REPAIR NOTES

1. DVD 5-disc changer module

- When installing a new traverse unit, remove the solder from the shorted point of P.C.B. using an electrostatic shielding soldering iron. (Fig. 1)

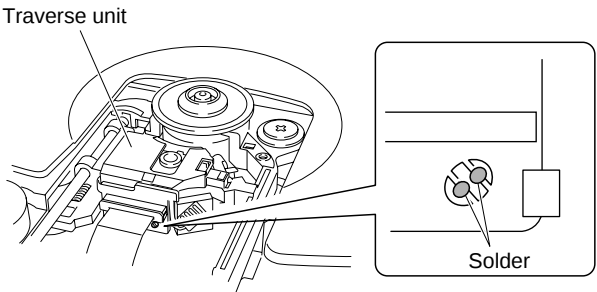


Fig. 1

2. Power supply unit

- The power supply unit has to be replaced in case of failure.
- Never touch the potentiometer (Ref. No. VR1) installed to the power supply unit. (Fig. 2)

3. P.C.B. assembly

- When a failure has occurred in the P.C.B. assembly, replace each P.C.B..
- Never touch the switch (Ref. No. 1107) installed to the RS232C P.C.B.. (Fig. 2)

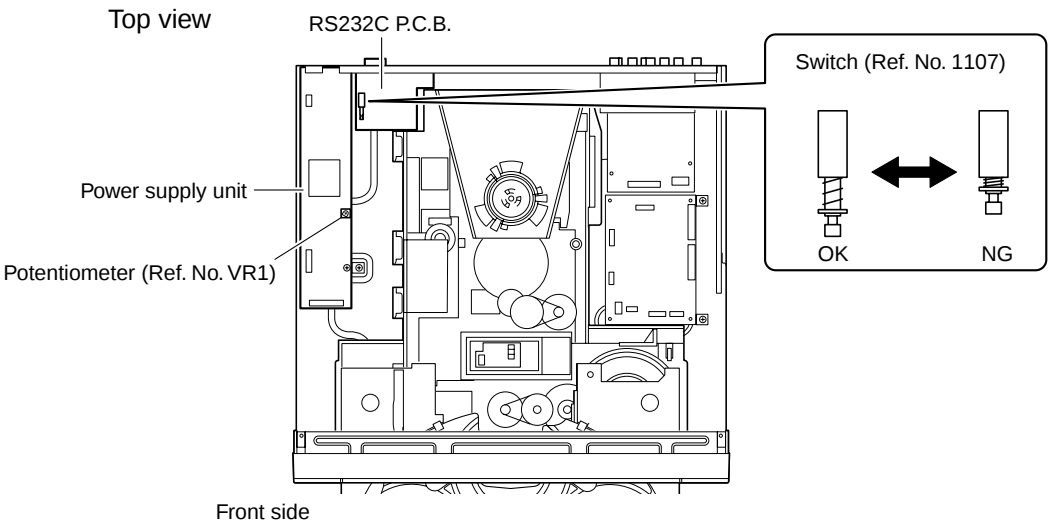


Fig. 2

DISASSEMBLY PROCEDURES

See replacement parts list for item numbers.

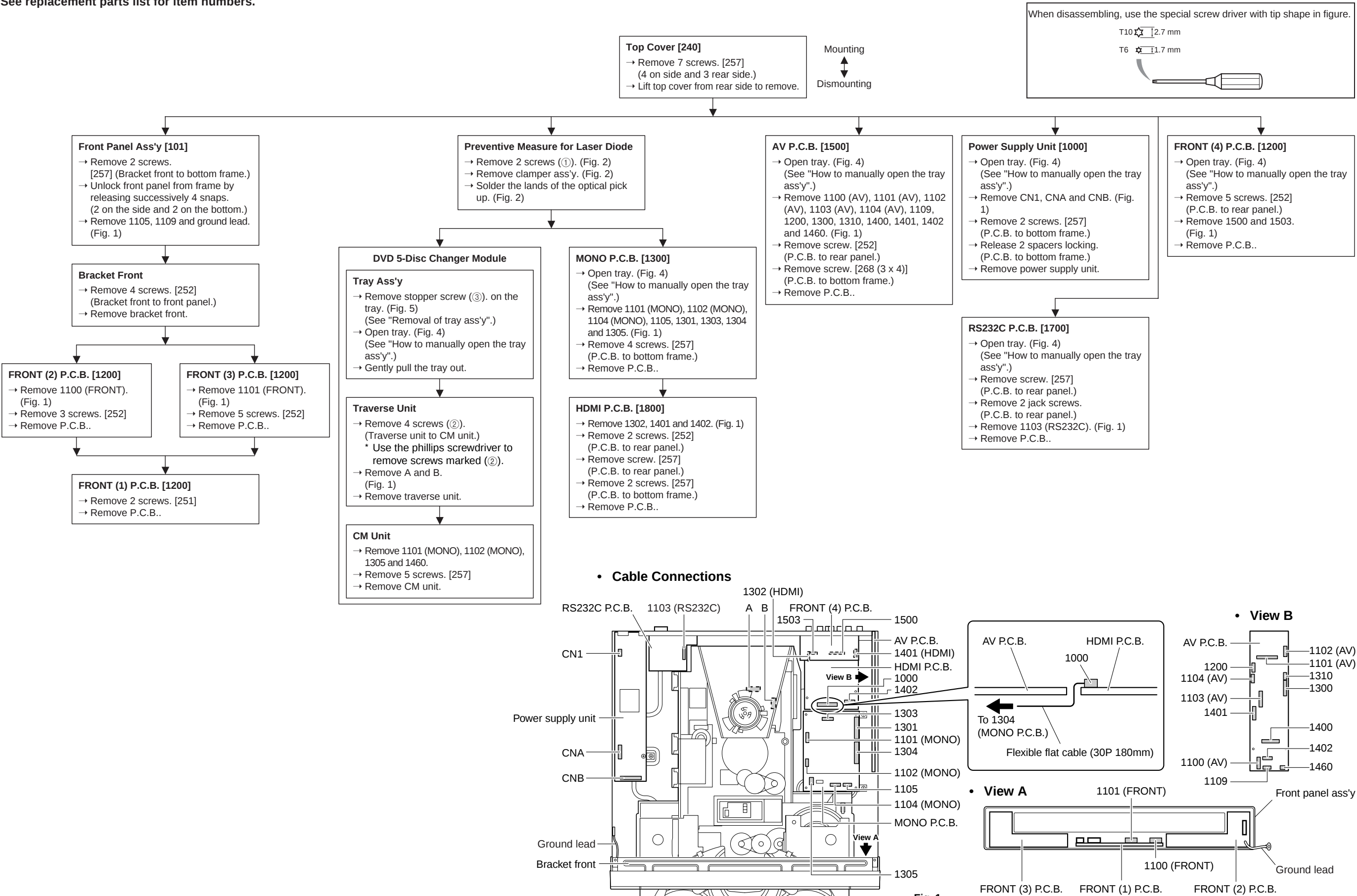


Fig. 1

• **Preventive measure for laser diode from electrostatic breakdown**

When replacing the MONO P.C.B. 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.

* Use the phillips screwdriver to remove screws (2). (Fig. 2)

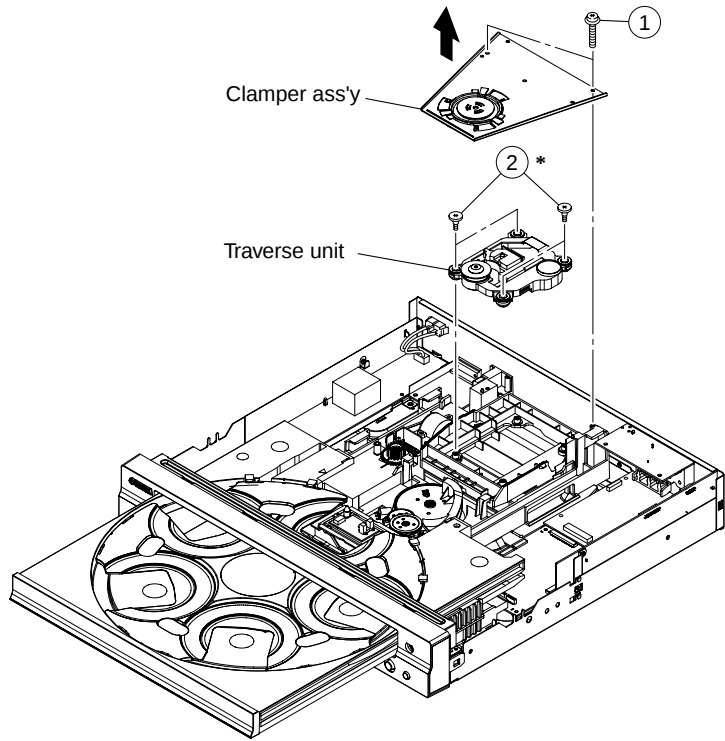


Fig. 2

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.
- When installing a new traverse unit, remove the solder from the shorted point of P.C.B. using an electrostatic shielding soldering iron.

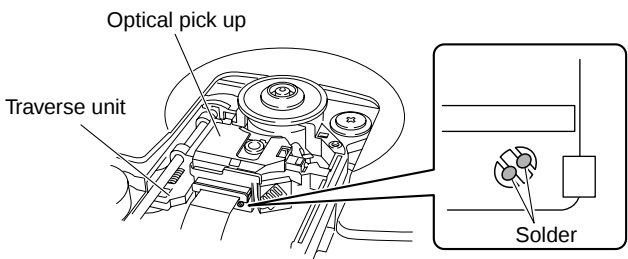


Fig. 3

• **How to manually open the tray ass'y**

- a. Move the slider in the direction indicated with a flatblade screwdriver until the tray is ejected.
- b. Gently pull the tray ass'y out.

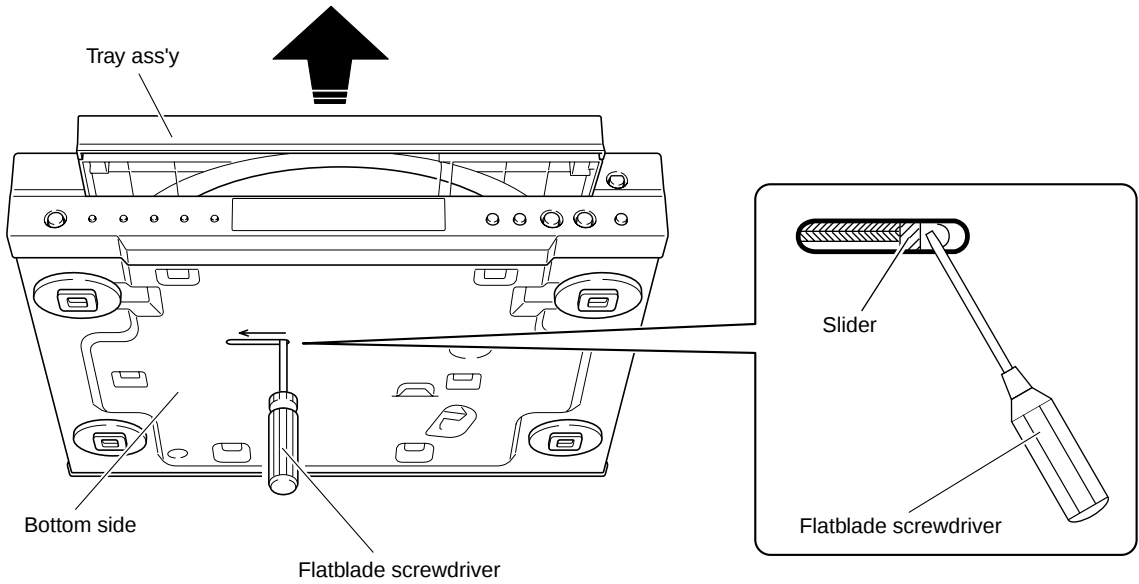


Fig. 4

• **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.

- a. Remove the top cover.
- b. Open tray (see "How to manually open the tray ass'y").
- c. Remove screw (3).
- d. Remove the tray ass'y.

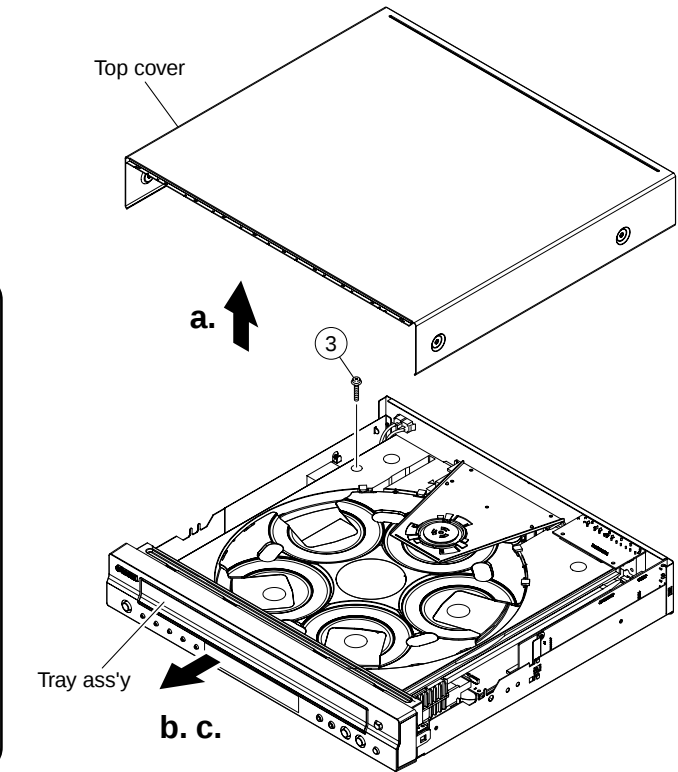
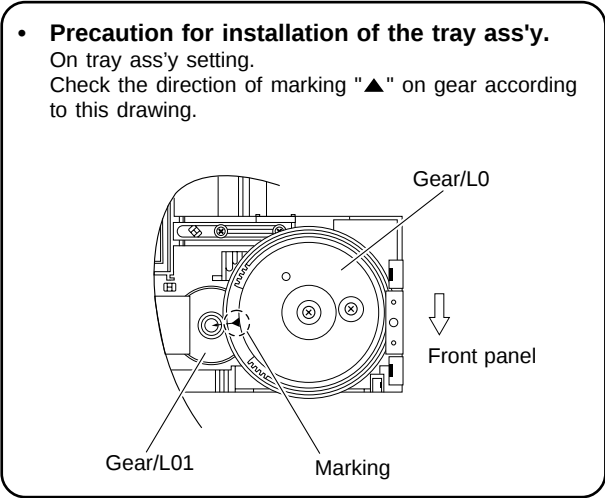


Fig. 5



7



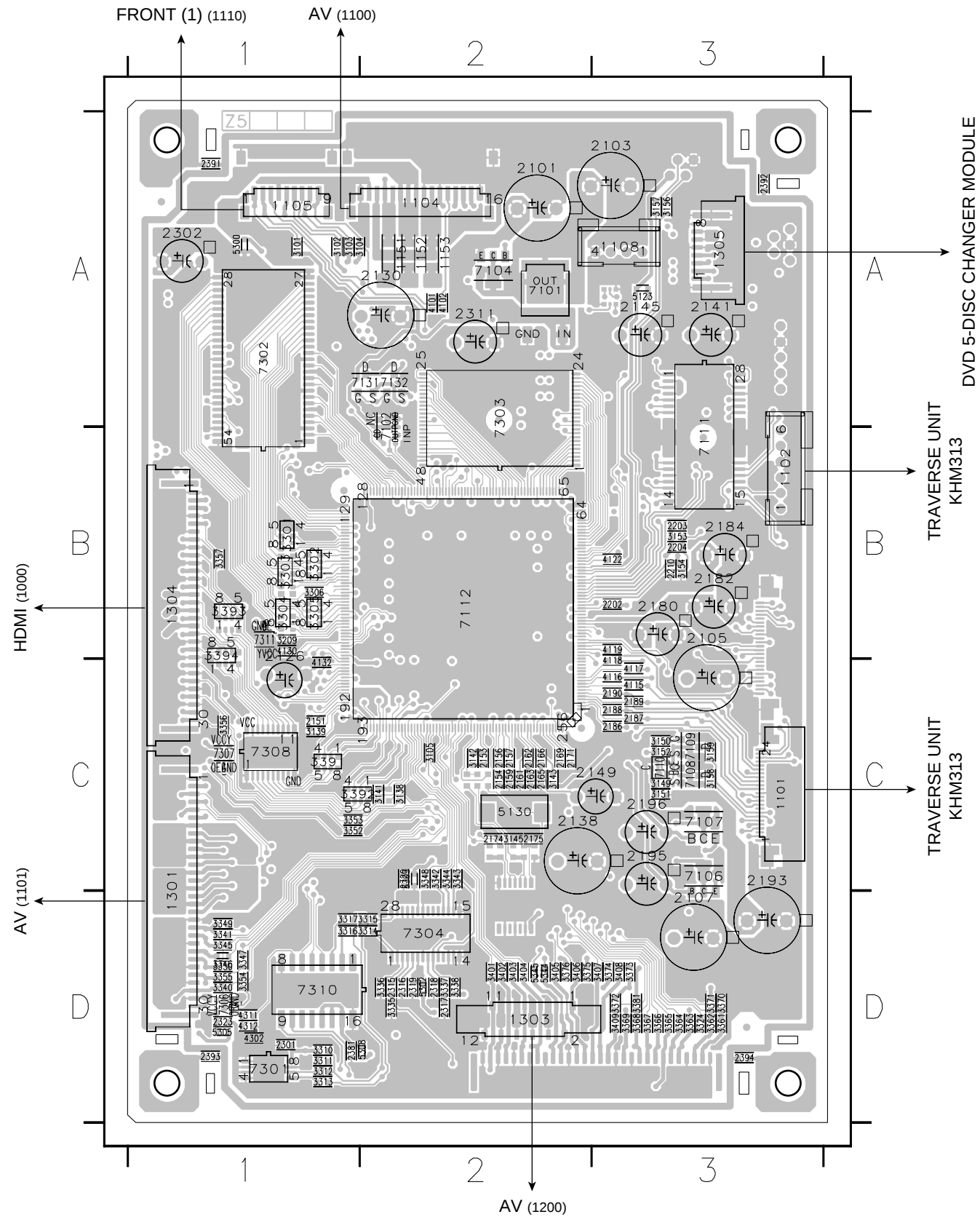
■ PRINTED CIRCUIT BOARDS

FOR INFORMATION ONLY (NO REPLACEMENT COMPONENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

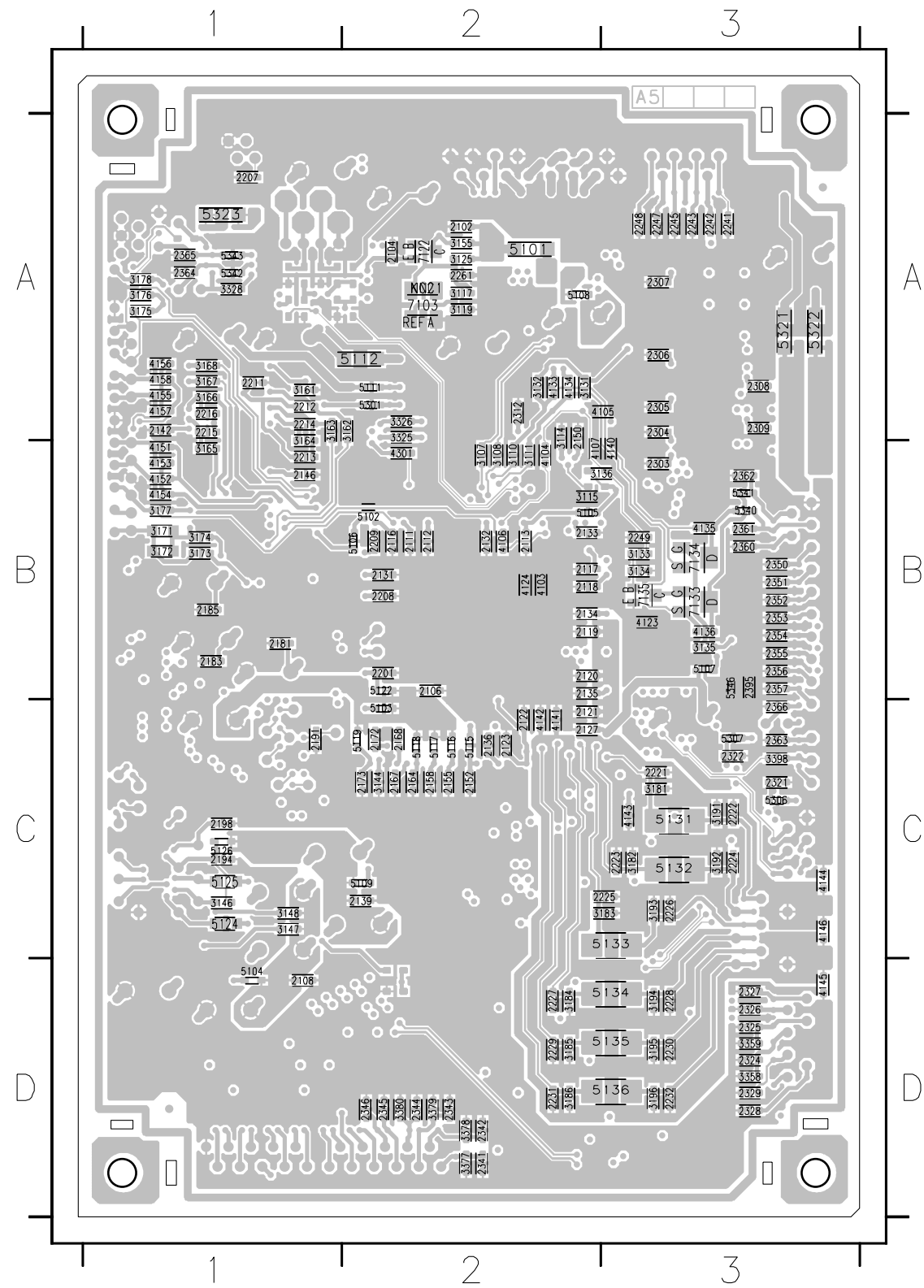
- 1xxx : Connector
- 2xxx : Capacitor
- 3xxx : Resistor
- 4xxx : SMD jumper
- 5xxx : Coil
- 6xxx : Diode
- 7xxx : IC, Transistor, FET
- 9xxx : Wire jumper

MONO P.C.B.
(Top view)



1101	C3	2392	A3	3364	D3	7304	D2
1102	B3	2393	D1	3365	D3	7306	D1
1104	A2	2394	D3	3366	D3	7307	C1
1105	A1	3101	A1	3367	D3	7308	C1
1108	A3	3102	A1	3368	D3	7310	D1
1151	A2	3103	A1	3369	D3	7311	B1
1152	A2	3104	A1	3370	D3		
1153	A2	3105	C2	3371	D3		
1301	D1	3138	C2	3372	D3		
1303	D2	3139	C1	3373	D3		
1304	B1	3141	C2	3374	D3		
1305	A3	3142	C2	3375	D2		
2101	A2	3143	C2	3376	D2		
2103	A3	3145	C2	3381	D3		
2105	B3	3149	C3	3391	C1		
2107	D3	3150	C3	3392	C1		
2126	B1	3151	C3	3393	B1		
2130	A2	3152	C3	3394	B1		
2138	C2	3153	B3	3401	D2		
2141	A3	3154	B3	3402	D2		
2145	A3	3156	A3	3403	D2		
2149	C3	3157	A3	3404	D2		
2151	C1	3158	C3	3405	D2		
2153	C2	3159	C3	3406	D2		
2154	C2	3209	B1	3407	D3		
2156	C2	3301	B1	3408	D3		
2157	C2	3302	B1	3409	D3		
2159	C2	3303	B1	4101	A2		
2161	C2	3304	B1	4102	A2		
2162	C2	3305	B1	4115	C3		
2163	C2	3306	B1	4116	C3		
2165	C2	3310	D1	4117	C3		
2166	C2	3311	D1	4118	C3		
2169	C2	3312	D1	4119	B3		
2171	C2	3313	D1	4122	B3		
2174	C2	3314	D2	4130	B1		
2175	C2	3315	D2	4132	C1		
2180	B3	3316	D1	4302	D1		
2182	B3	3317	D1	4311	D1		
2184	B3	3324	D3	4312	D1		
2186	C3	3335	D2	5123	A3		
2187	C3	3336	D2	5130	C2		
2188	C3	3337	D2	5300	A1		
2189	C3	3338	D2	5302	D2		
2190	C3	3340	D1	5303	C2		
2193	C3	3341	D1	5305	D1		
2195	C3	3342	C2	5308	D2		
2196	C3	3343	C2	5344	D2		
2202	B3	3344	C2	5345	D2		
2203	B3	3345	D1	7101	A2		
2204	B3	3346	D1	7102	A2		
2210	B3	3347	D1	7104	A2		
2301	D1	3348	C2	7106	C3		
2302	A1	3349	D1	7107	C3		
2311	A2	3350	D1	7108	C3		
2315	D2	3352	C1	7109	C3		
2316	D2	3353	C1	7110	C3		
2317	D2	3354	D1	7111	B3		
2318	D2	3355	D1	7112	B2		
2319	D2	3356	C1	7131	A2		
2320	C2	3357	B1	7132	A2		
2323	D1	3361	D3	7301	D1		
2381	D1	3362	D3	7302	A1		
2391	A1	3363	D3	7303	A2		

MONO P.C.B.
(Bottom view)

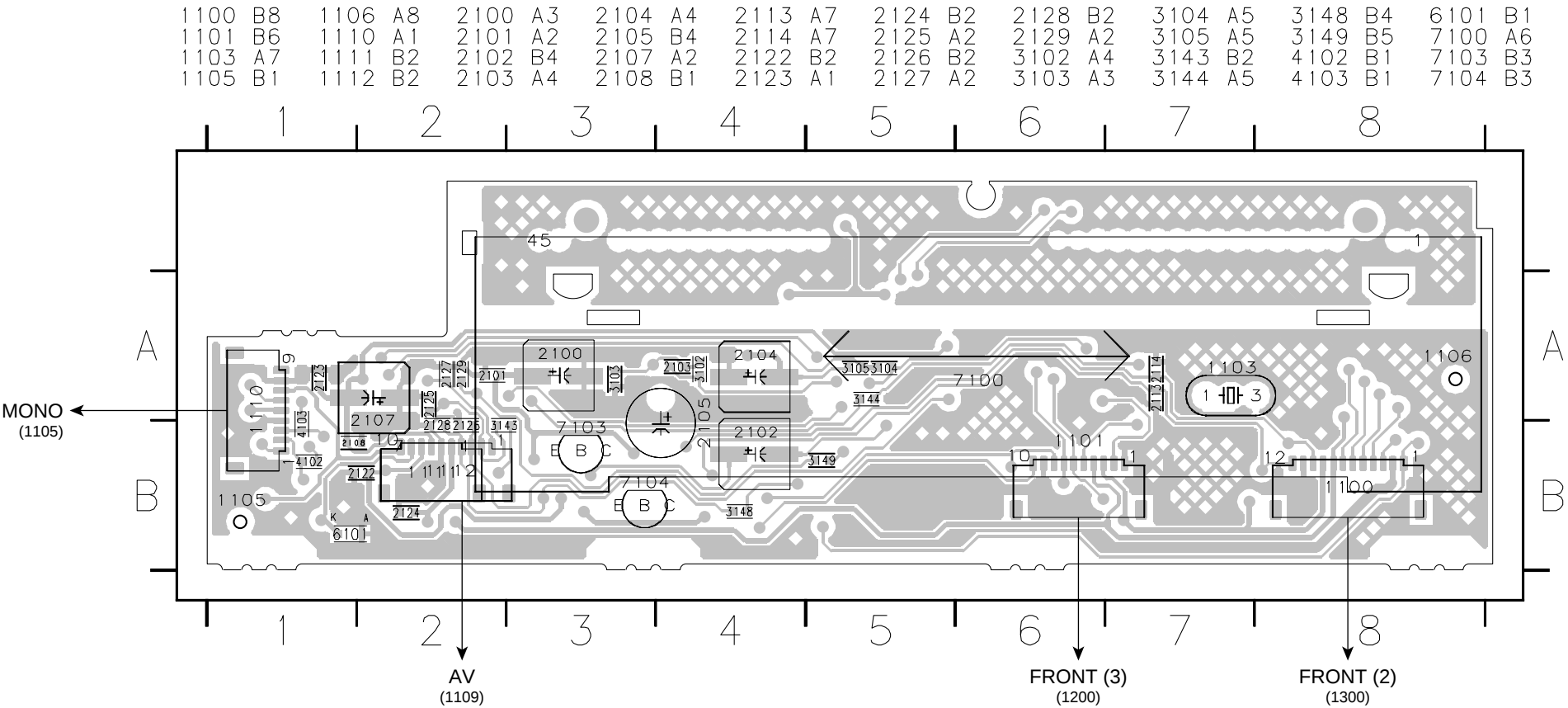


The first digit of a component indicates the component type.

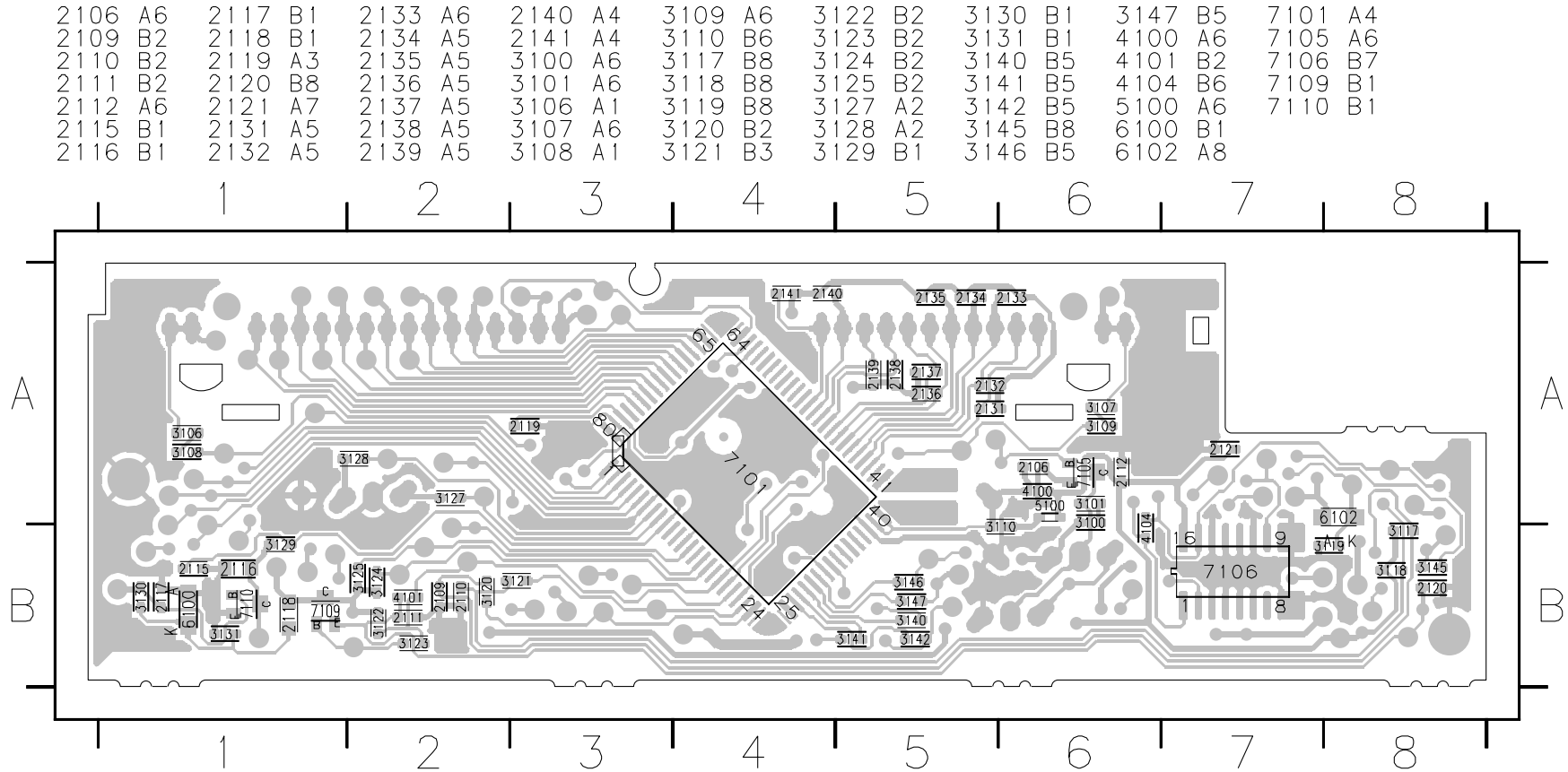
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|------------------|-------------------|--------------|----------------------------|
| 1xxx : Connector | 3xxx : Resistor | 5xxx : Coil | 7xxx : IC, Transistor, FET |
| 2xxx : Capacitor | 4xxx : SMD jumper | 6xxx : Diode | 9xxx : Wire jumper |

2102	A2	2248	A3	3167	A1	5109	C2
2104	A2	2249	B3	3168	A1	5111	A2
2106	B2	2261	A2	3171	B1	5112	A2
2108	D1	2303	B3	3172	B1	5115	C2
2111	B2	2304	A3	3173	B1	5116	C2
2112	B2	2305	A3	3174	B1	5117	C2
2113	B2	2306	A3	3175	A1	5118	C2
2116	B2	2307	A3	3176	A1	5119	C2
2117	B2	2308	A3	3177	B1	5122	B2
2118	B2	2309	A3	3178	A1	5124	C1
2119	B2	2312	A2	3181	C3	5125	C1
2120	B2	2321	C3	3182	C3	5126	C1
2121	C2	2322	C3	3183	C3	5131	C3
2122	C2	2324	D3	3184	D2	5132	C3
2123	C2	2325	D3	3185	D2	5133	C3
2127	C2	2326	D3	3186	D2	5134	D3
2131	B2	2327	D3	3191	C3	5135	D3
2132	B2	2328	D3	3192	C3	5136	D3
2133	B2	2329	D3	3193	C3	5301	A2
2134	B2	2341	D2	3194	D3	5306	C3
2135	B2	2342	D2	3195	D3	5307	C3
2136	C2	2343	D2	3196	D3	5321	A3
2139	C2	2344	D2	3325	A2	5322	A3
2142	A1	2345	D2	3326	A2	5323	A1
2146	B1	2346	D2	3328	A1	5340	B3
2150	A2	2350	B3	3358	D3	5341	B3
2152	C2	2351	B3	3359	D3	5342	A1
2155	C2	2352	B3	3377	D2	5343	A1
2158	C2	2353	B3	3378	D2	5346	B3
2164	C2	2354	B3	3379	D2	7103	A2
2167	C2	2355	B3	3380	D2	7122	A2
2168	C2	2356	B3	3398	C3	7133	B3
2172	C2	2357	B3	4103	B2	7134	B3
2173	C2	2360	B3	4104	B2	7135	B3
2181	B1	2361	B3	4105	A3		
2183	B1	2362	B3	4106	B2		
2185	B1	2363	C3	4107	B2		
2191	C1	2364	A1	4123	B3		
2194	C1	2365	A1	4124	B2		
2198	C1	2366	C3	4133	A2		
2201	B2	2395	B3	4134	A2		
2207	A1	3107	B2	4135	B3		
2208	B2	3108	B2	4136	B3		
2209	B2	3110	B2	4140	B3		
2211	A1	3111	B2	4141	C2		
2212	A1	3114	A2	4142	C2		
2213	B1	3115	B2	4143	C3		
2214	A1	3117	A2	4144	C3		
2215	A1	3119	A2	4145	D3		
2216	A1	3125	A2	4146	C3		
2221	C3	3131	A2	4151	B1		
2222	C3	3132	A2	4152	B1		
2223	C3	3133	B3	4153	B1		
2224	C3	3134	B3	4154	B1		
2225	C3	3135	B3	4155	A1		
2226	C3	3136	B3	4156	A1		
2227	D2	3144	C2	4157	A1		
2228	D3	3146	C1	4158	A1		
2229	D2	3147	C1	4301	B2		
2230	D3	3148	C1	5101	A2		
2231	D2	3155	A2	5102	B2		
2232	D3	3161	A1	5103	C2		
2241	A3	3162	A2	5104	D1		
2242	A3	3163	A1	5105	B2		
2243	A3	3164	B1	5106	B2		
2245	A3	3165	B1	5107	B3		
2247	A3	3166	A1	5108	A2		

FRONT (1) P.C.B.
(Top view)



FRONT (1) P.C.B.
(Bottom view)



The first digit of a component indicates the component type.

1xxx : Connector

3xxx : Resistor

5xxx : Coil

7xxx : IC, Transistor, FET

2xxx : Capacitor

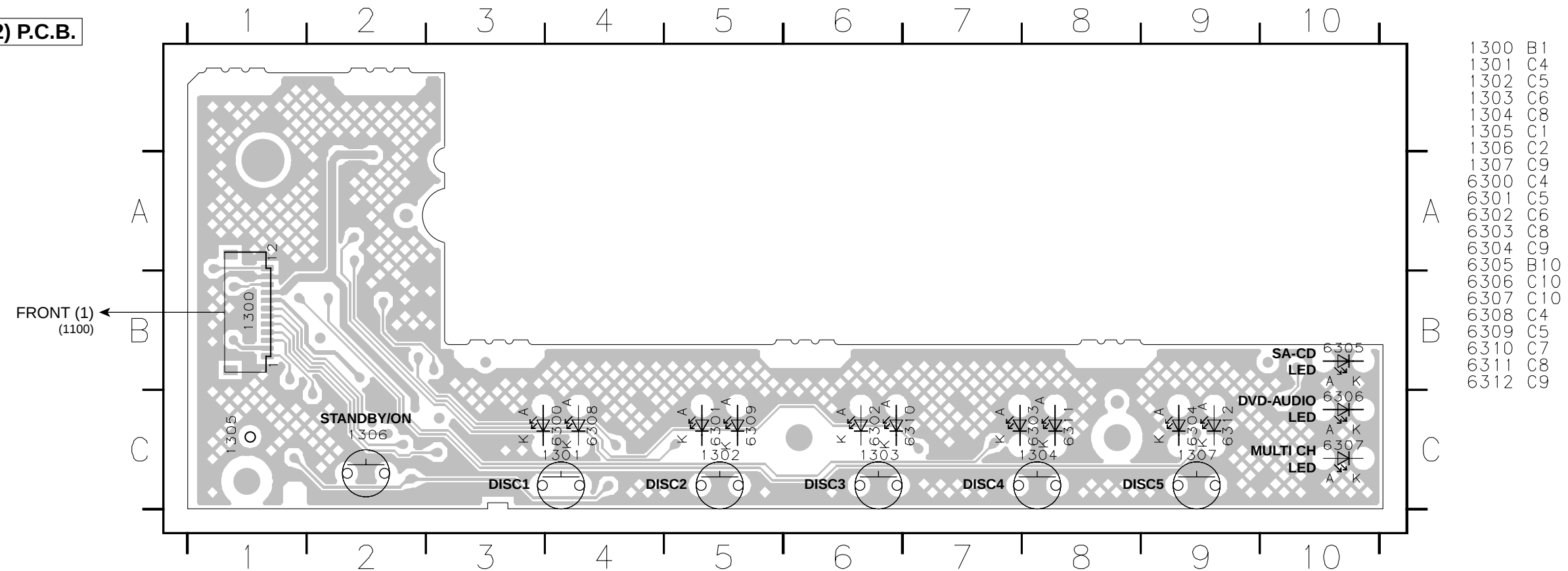
4xxx : SMD jumper

6xxx : Diode

9xxx : Wire jumper

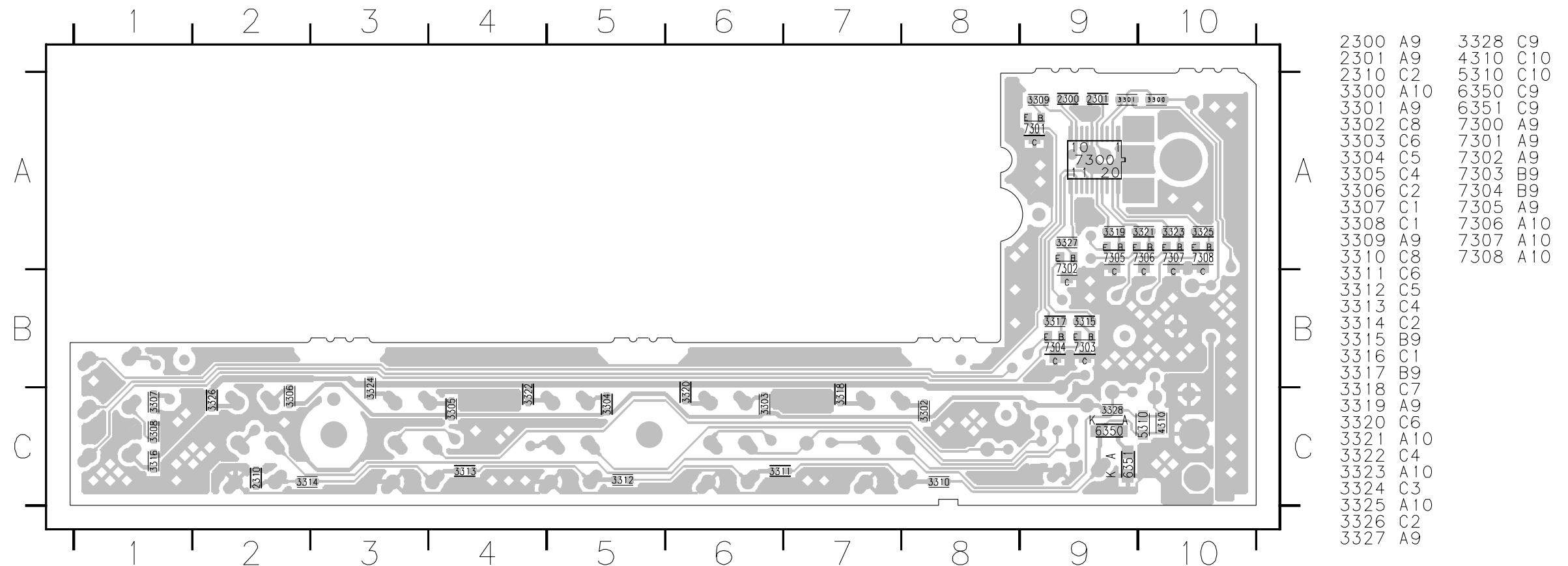
FRONT (2) P.C.B.

(Top view)



FRONT (2) P.C.B.

(Bottom view)



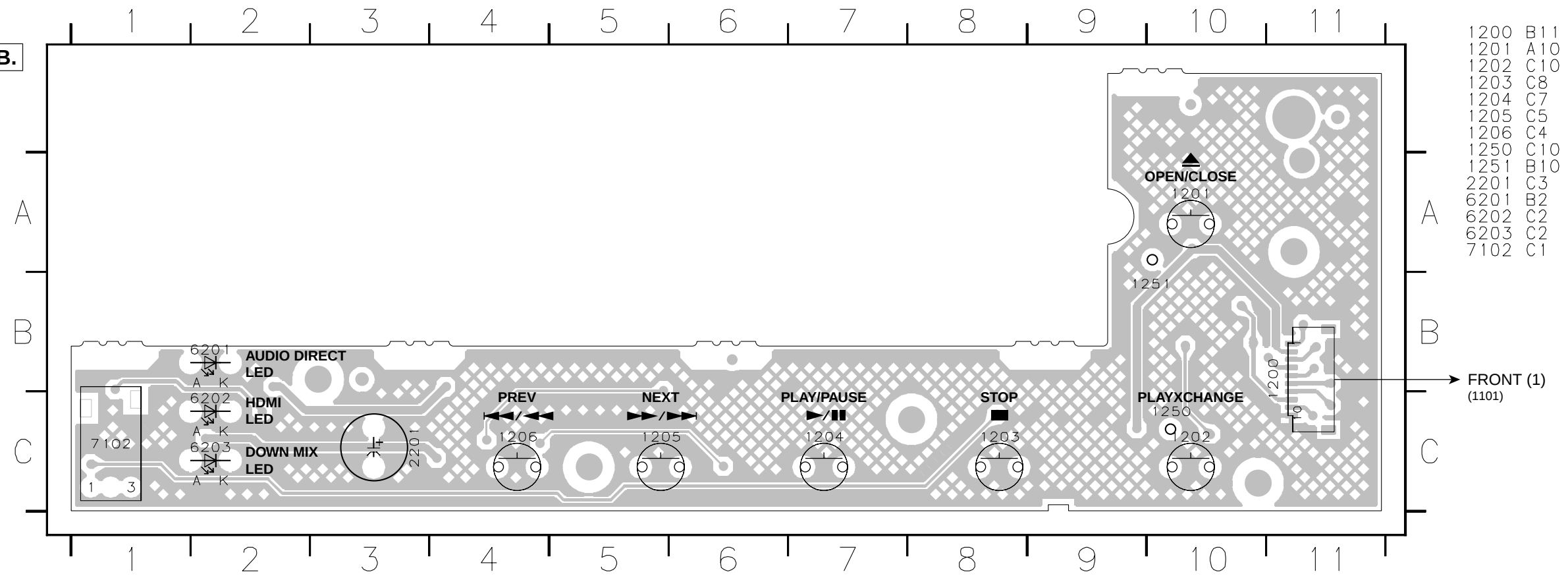
The first digit of a component indicates the component type.

7xxx : IC, Transistor, FET

9xxx : Wire jumper

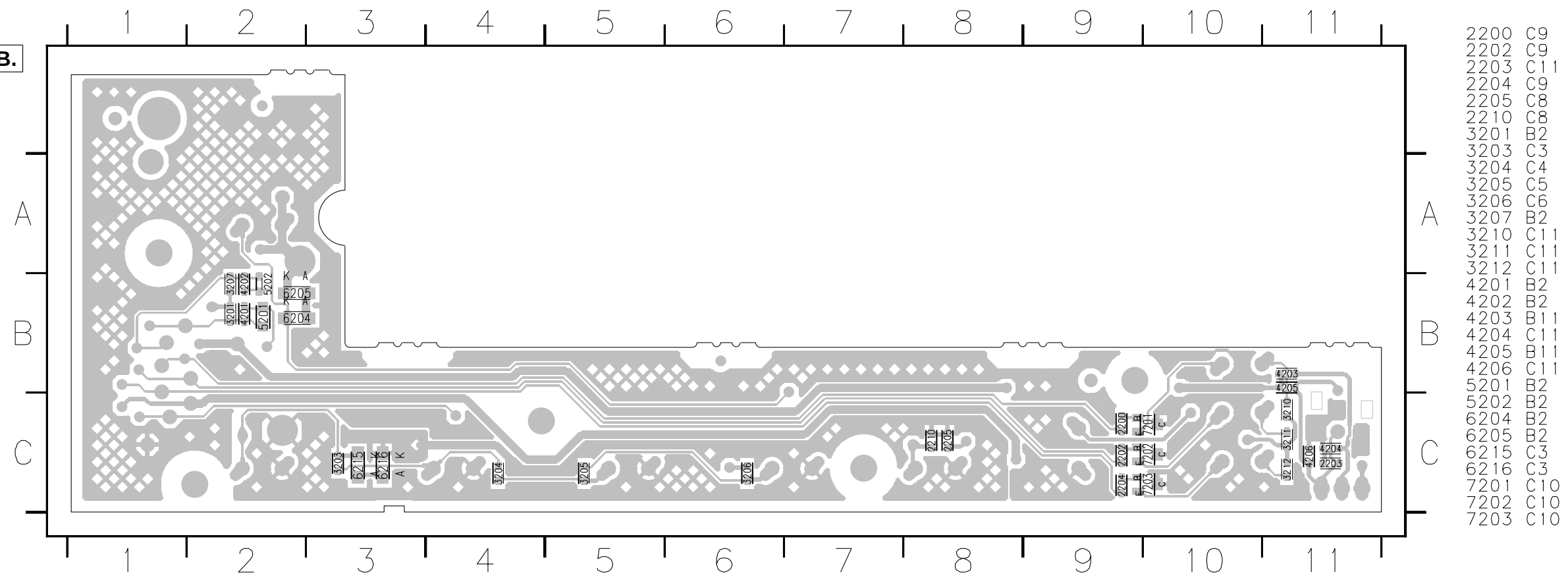
FRONT (3) P.C.B.

(Top view)



FRONT (3) P.C.B.

(Bottom view)



The first digit of a component indicates the component type.

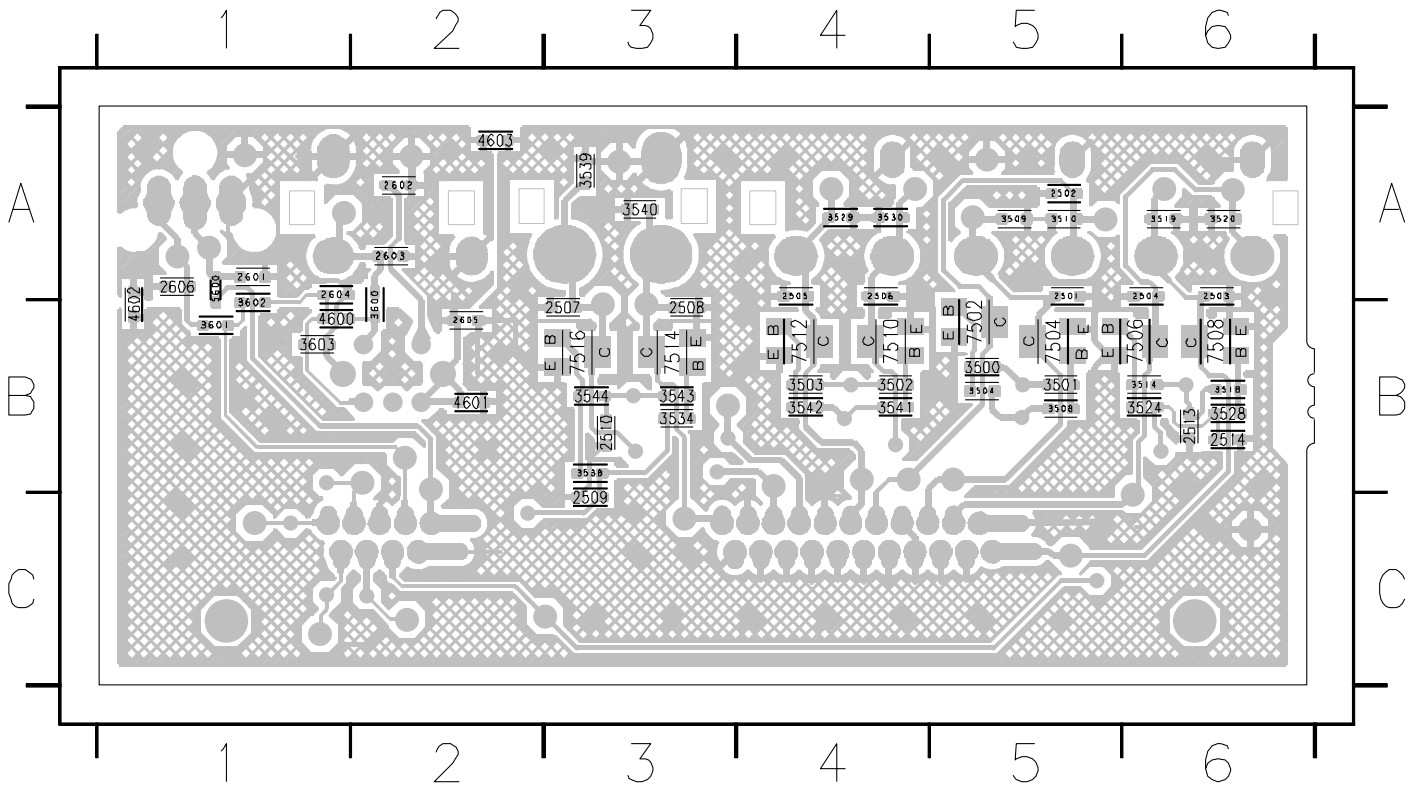
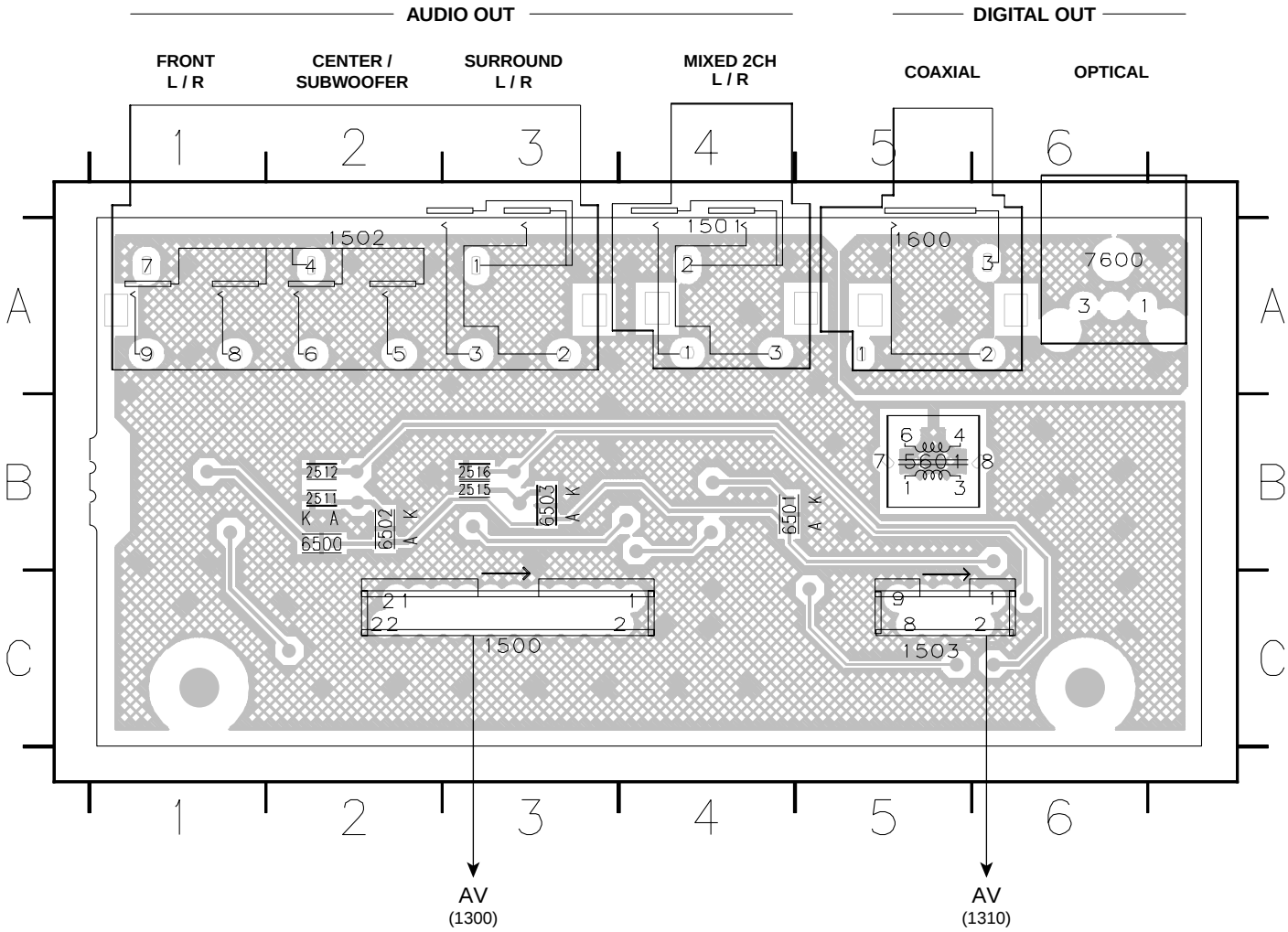
1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper

FRONT (4) P.C.B.
(Top view)

1500 C3	1503 C5	2512 B2	5601 B5	6502 B2
1501 A4	1600 A5	2515 B3	6500 B2	6503 B3
1502 A2	2511 B2	2516 B3	6501 B4	7600 A6

FRONT (4) P.C.B.
(Bottom view)

2501 A5	2510 B3	3500 B5	3518 B6	3539 A3	3603 B1	7508 B6
2502 A5	2513 B6	3501 B5	3519 A6	3540 A3	4600 B1	7510 B4
2503 A6	2514 B6	3502 B4	3520 A6	3541 B4	4601 B2	7512 B4
2504 A6	2601 A1	3503 B4	3524 B6	3542 B4	4602 B1	7514 B3
2505 A4	2602 A2	3504 B5	3528 B6	3543 B3	4603 A2	7516 B3
2506 A4	2603 A2	3508 B5	3529 A4	3544 B3	5600 A1	
2507 B3	2604 A1	3509 A5	3530 A4	3600 B2	7502 B5	
2508 B3	2605 B2	3510 A5	3534 B3	3601 B1	7504 B5	
2509 C3	2606 A1	3514 B6	3538 B3	3602 B1	7506 B6	



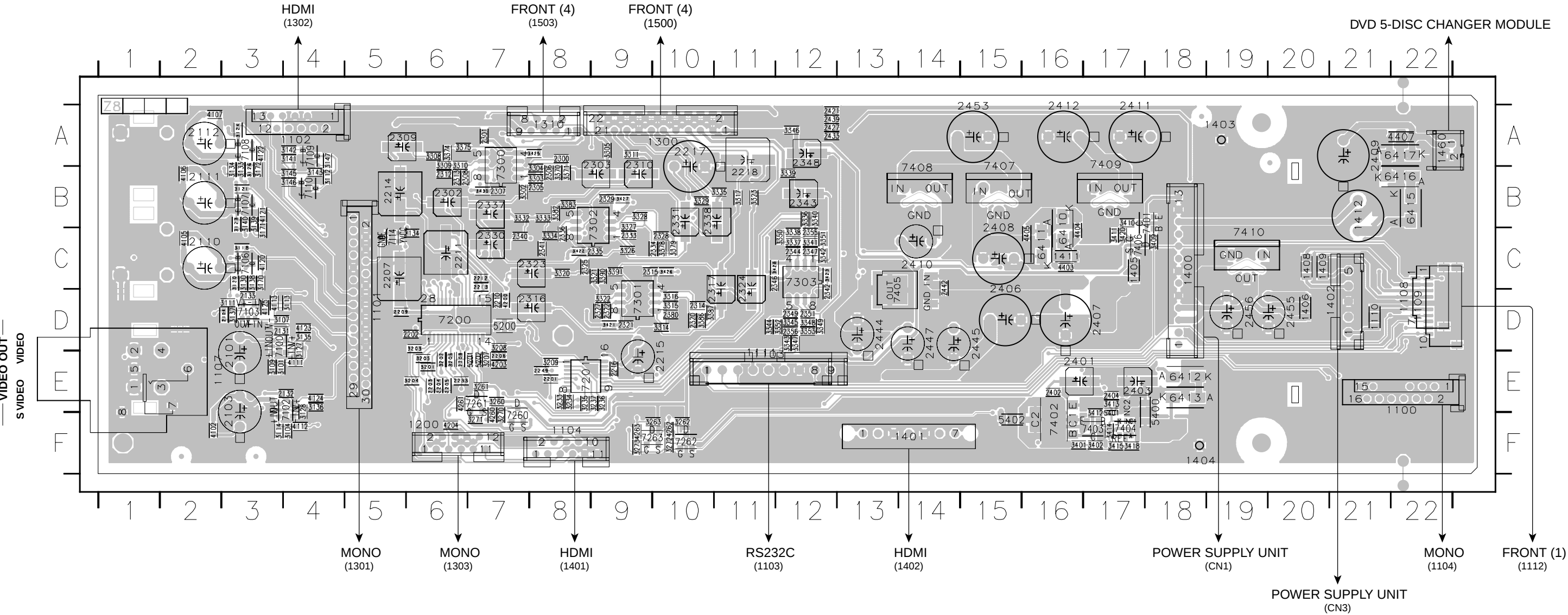
The first digit of a component indicates the component type.

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

AV P.C.B.

(Top view)

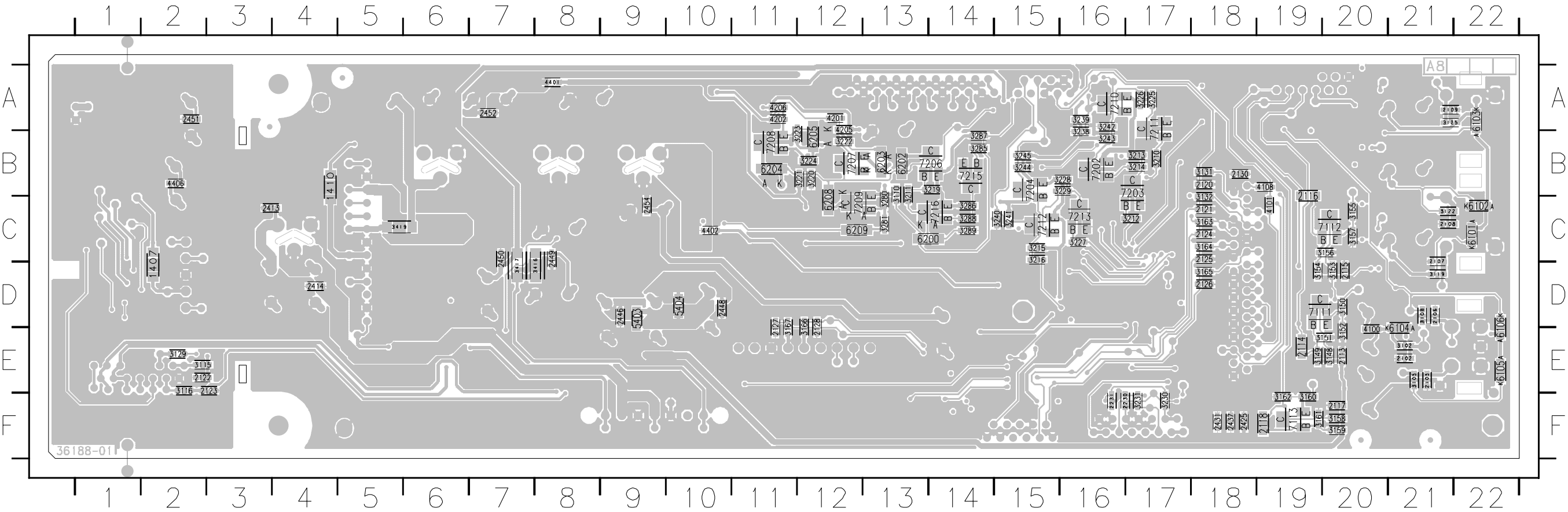
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1101	D5	1409	C20	2209	D5	2312	B6	2338	B10	2410	C14	3118	C3	3147	A4	3270	F7	3328	B9	3352	D12	3415	F17	4124	E4	6413	E18	7303	C12
1102	A4	1411	C16	2210	D7	2313	B6	2340	C7	2411	A17	3120	C3	3170	C3	3271	F7	3329	B10	3353	D12	3418	F17	4125	D3	6415	B22	7401	B18
1103	E11	1412	B21	2211	C6	2314	D10	2341	C8	2412	A16	3121	B3	3171	C3	3272	F10	3332	B7	3370	B8	3420	C17	4200	D7	6416	B22	7402	F16
1104	F8	1460	A22	2212	C7	2315	C9	2342	D12	2421	A12	3123	B3	3172	B3	3273	F9	3333	B8	3371	B8	3421	D9	4203	E7	6417	A22	7403	F17
1107	E2	2101	E3	2213	C7	2316	D8	2343	B12	2427	A12	3124	A3	3201	E6	3302	B7	3334	C8	3374	A6	3422	C8	4204	F6	7100	D3	7404	F17
1108	D22	2103	E3	2214	B5	2317	C10	2344	C12	2433	A12	3126	B3	3202	E6	3303	B8	3335	B11	3375	A6	3423	C12	4260	F7	7102	E4	7405	D13
1109	D22	2104	D3	2215	E10	2320	D10	2346	C11	2439	A12	3127	D4	3203	D6	3304	B8	3336	B12	3378	C10	3425	A8	4261	E6	7103	D3	7406	C17
1110	D21	2110	C2	2216	E9	2321	D9	2347	C12	2442	C14	3128	E4	3204	E6	3305	A9	3337	C12	3379	C10	3426	C10	4262	F10	7106	C3	7407	A15
1111	E11	2111	B2	2217	A10	2322	D9	2348	A12	2444	D13	3130	C3	3205	E6	3308	A6	3338	C12	3382	B8	3427	B9	4263	F9	7107	B3	7408	B14
1200	F6	2112	A2	2218	B11	2323	C8	2349	D12	2445	D15	3133	B3	3206	E6	3309	A6	3339	B12	3383	B8	3428	C11	4403	C16	7108	A3	7409	A17
1300	A10	2131	D3	2233	E6	2324	C11	2351	D12	2447	D14	3134	B3	3207	E7	3310	A6	3340	B12	3386	D10	3430	B7	4404	C16	7109	A4	7410	C19
1310	A8	2132	E4	2249	E8	2325	C8	2355	C12	2453	A15	3135	D4	3208	D7	3311	A9	3341	C12	3387	D10	4102	F2	4405	C16	7110	B4		
1400	C18	2133	D3	2300	A8	2327	D9	2356	D12	2455	D20	3136	E4	3209	E8	3314	D10	3342	C12	3390	C9	4105	C2	4407	A22	7114	C5		
1401	F14	2134	C6	2301	A7	2328	C10	2380	D10	2456	D19	3137	D3	3233	E8	3315	D10	3343	D12	3391	C9	4106	B2	5200	D7	7200	D6		
1402	D21	2201	E8	2302	B6	2329	B9	2401	E16	3101	E3	3138	C3	3234	E8	3316	D10	3344	D11	3401	F16	4107	A2	5201	E7	7201	E8		
1403	A19	2202	D6	2303	A9	2330	C7	2402	E16	3104	F4	3139	B3	3235	E8	3317	B11	3345	D12	3402	F17	4111	E4	5202	E7	7260	F7		
1404	F18	2203	E6	2305	B8	2331	B10	2403	E17	3107	D3	3140	B3	3236	E9	3320	C8	3346	A12	3409	C18	4112	F4	5400	F18	7261	E7		
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1406	D20	2205	E6	2307	B7	2334	C10	2406	C15	3111	D3	3142	A4	3260	E7	3322	D9	3348	D12	3411	C17	4120	C3	5402	F15	7263	F9		
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		2207	C5	2309	A5	2336	C8	2408	B15	3113	D4	3145	B4	3262	F10	3326	C9	3350	C12	3413	E17	4122	A3	6411	C16	7301	D9		



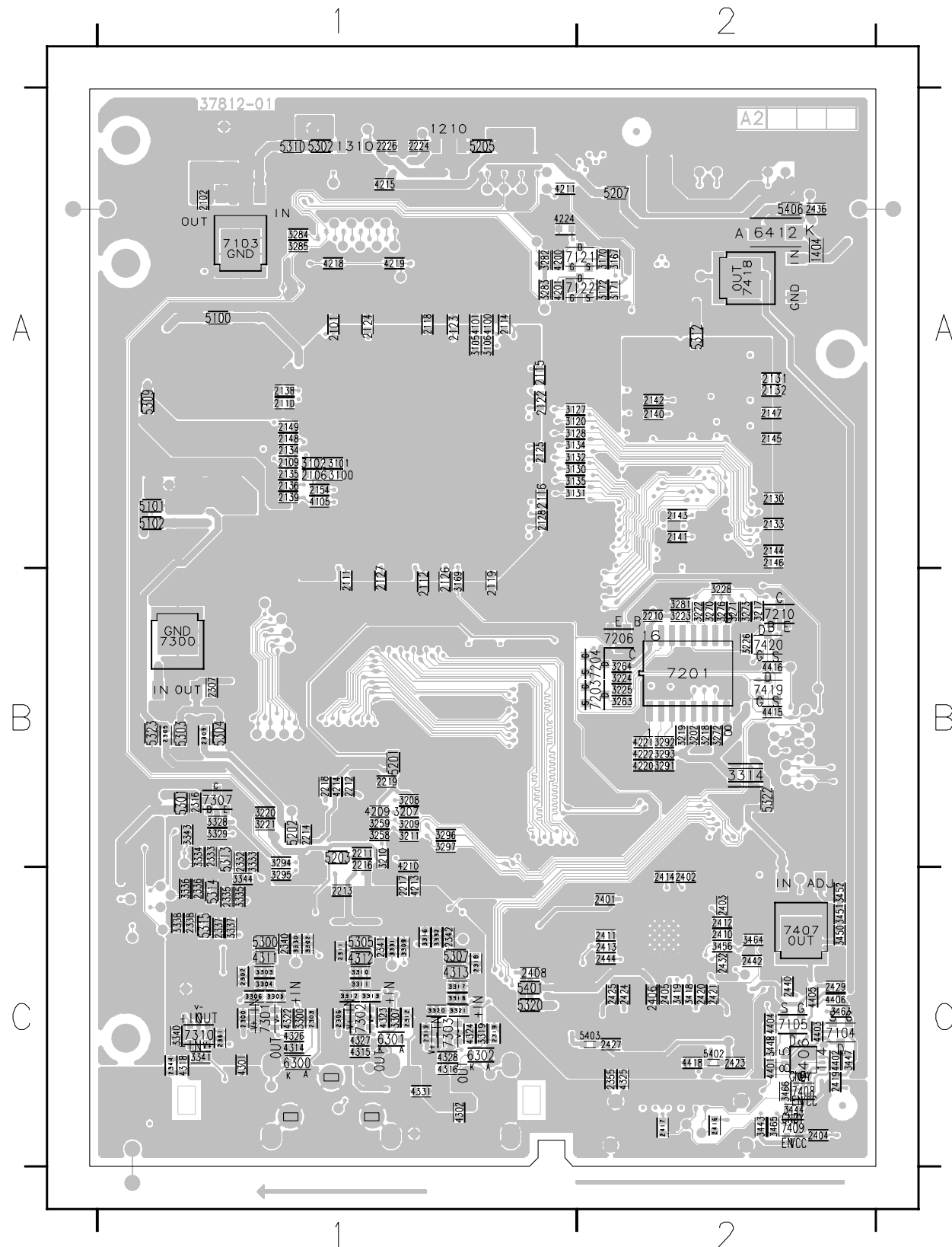
AV P.C.B.
(Bottom view)

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

1407 D2	2115 D20	2126 D18	2437 F18	3108 D21	3148 E20	3158 F20	3210 B17	3222 B12	3238 B16	3285 B14	4108 B19	6101 C22	6205 B12	7207 B12
1410 B4	2116 B19	2127 E11	2446 D9	3110 B13	3149 E19	3159 F20	3211 B13	3223 B12	3239 A16	3286 C14	4201 A12	6102 C22	6208 C12	7208 B11
2102 E21	2117 F20	2128 D12	2448 D10	3115 E2	3150 D20	3160 F19	3212 C17	3224 B12	3240 C15	3287 B14	4202 A11	6103 A22	6209 C12	7209 C12
2105 E21	2118 F19	2130 B18	2449 C8	3116 E2	3151 E20	3161 F19	3213 B17	3225 A17	3241 C15	3288 C14	4205 A12	6104 E21	7111 D19	7210 A16
2106 D21	2120 B18	2230 F16	2450 C7	3119 D21	3152 E20	3162 F19	3214 B17	3226 A17	3242 A16	3289 C14	4206 A11	6105 E22	7112 C20	7211 A17
2107 C21	2121 C18	2231 F16	2451 A2	3122 C21	3153 D20	3163 C18	3215 C15	3227 C16	3243 B16	3416 D8	4401 A8	6106 E22	7113 F19	7212 C15
2108 C21	2122 E2	2413 C3	2452 A7	3125 A21	3154 D19	3164 C18	3216 C15	3228 B16	3244 B15	3417 D7	4402 C10	6200 C13	7202 B16	7213 C16
2109 A21	2123 E3	2414 D4	2454 C9	3129 E2	3155 C20	3165 D18	3219 B14	3229 B16	3245 B15	3419 C5	4406 B2	6202 B13	7203 B17	7215 B14
2113 E20	2124 C18	2425 F18	3102 E21	3131 B18	3156 C20	3166 D12	3220 B12	3230 F17	3280 C13	4100 E20	5403 D9	6203 B13	7204 B15	7216 C14
2114 E19	2125 C18	2431 F18	3105 E21	3132 C18	3157 C20	3167 E11	3221 B12	3231 F17	3281 C13	4101 C19	5404 D10	6204 B11	7206 B14	



(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

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	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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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

RS-232C P.C.B.

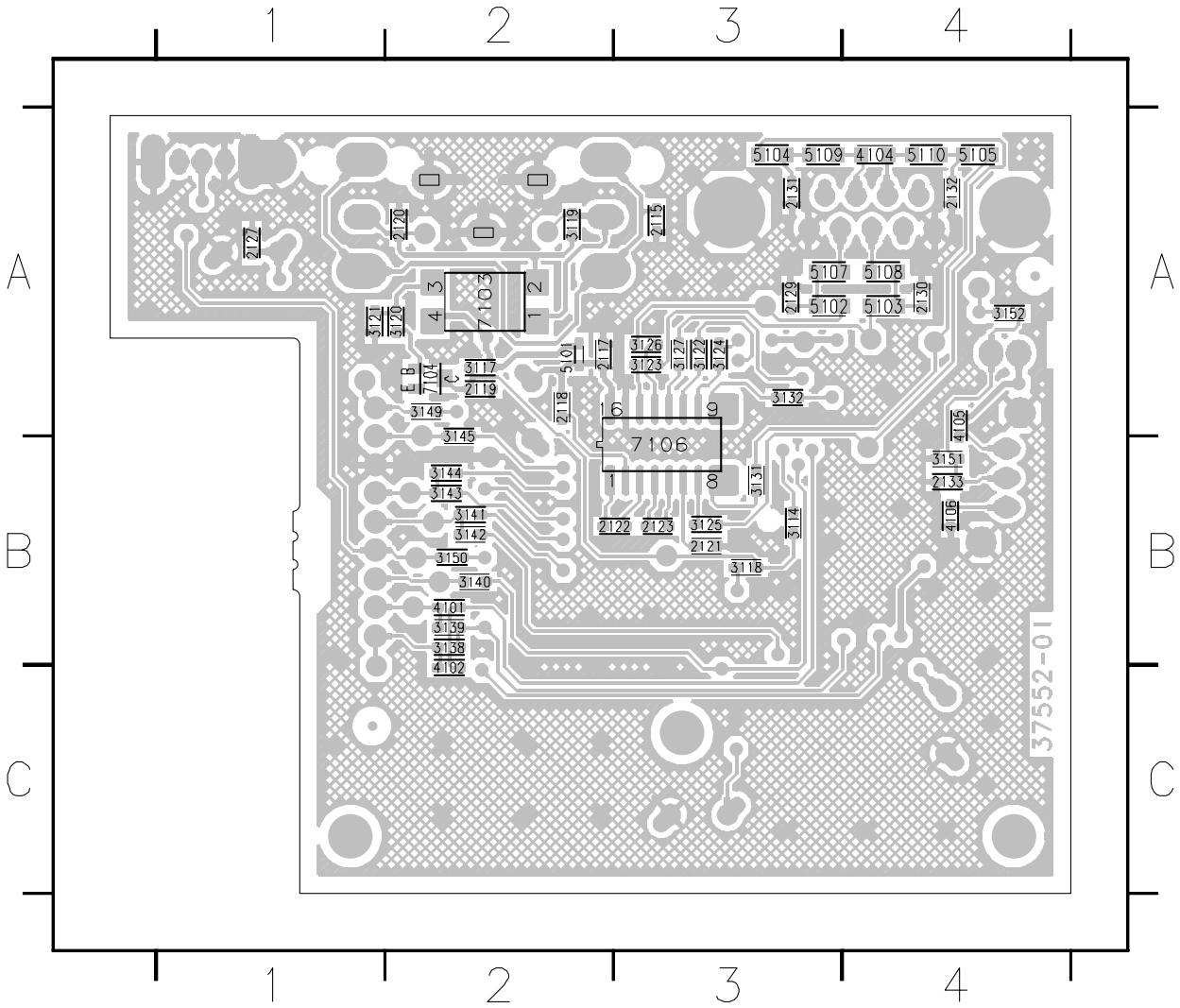
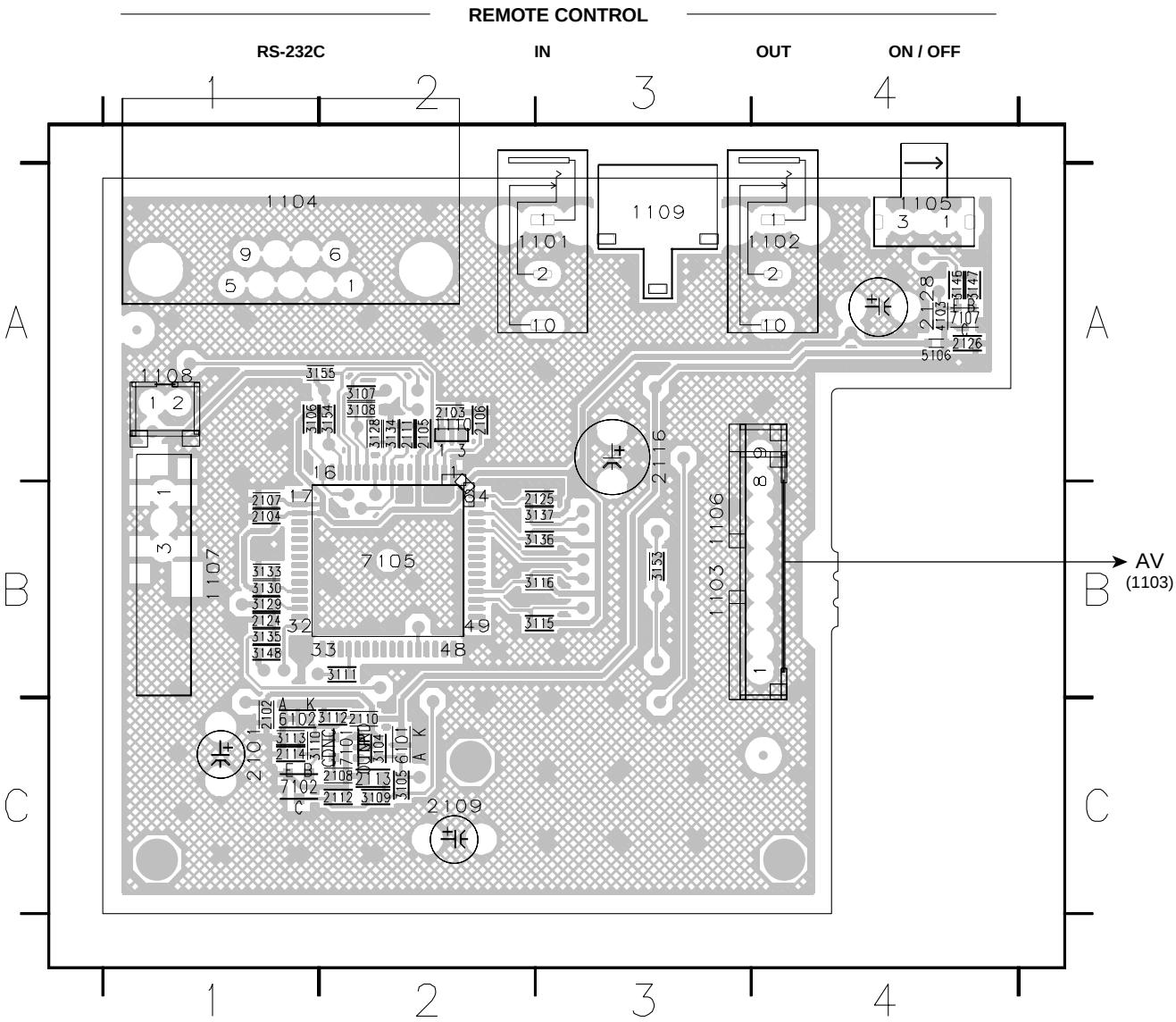
(Top view)

1101	A3	1110	A2	2109	C2	2126	A4	3111	B2	3134	A2	3155	A2
1102	A4	2101	C1	2110	C2	2128	A4	3112	C2	3135	B1	4103	A4
1103	B3	2102	C1	2111	A2	3104	C2	3113	C1	3136	B3	5106	A4
1104	A1	2103	A2	2112	C2	3105	C2	3115	B3	3137	B3	6101	C2
1105	A4	2104	B1	2113	C2	3106	A1	3116	B3	3146	A4	6102	C1
1106	B3	2105	A2	2114	C1	3107	A2	3128	A2	3147	A4	7101	C2
1107	B1	2106	A2	2116	A3	3108	A2	3129	B1	3148	B1	7102	C1
1108	A1	2107	B1	2124	B1	3109	C2	3130	B1	3153	B3	7105	B2
1109	A3	2108	C2	2125	B3	3110	C1	3133	B1	3154	A2	7107	A4

RS-232C P.C.B.

(Bottom view)

2115	A3	2129	A3	3120	A2	3132	A3	3149	A2	5101	A2	7103	A2
2117	A2	2130	A4	3121	A1	3138	B2	3150	B2	5102	A3	7104	A2
2118	A2	2131	A3	3122	A3	3139	B2	3151	B4	5103	A4	7106	B3
2119	A2	2132	A4	3123	A3	3140	B2	3152	A4	5104	A3		
2120	A2	2133	B4	3124	A3	3141	B2	4101	B2	5105	A4		
2121	B3	3114	B3	3125	B3	3142	B2	4102	C2	5107	A3		
2122	B3	3117	A2	3126	A3	3143	B2	4104	A4	5108	A4		
2123	B3	3118	B3	3127	A3	3144	B2	4105	A4	5109	A3		
2127	A1	3119	A2	3131	B3	3145	A2	4106	B4	5110	A4		



SCHEMATIC DIAGRAMS

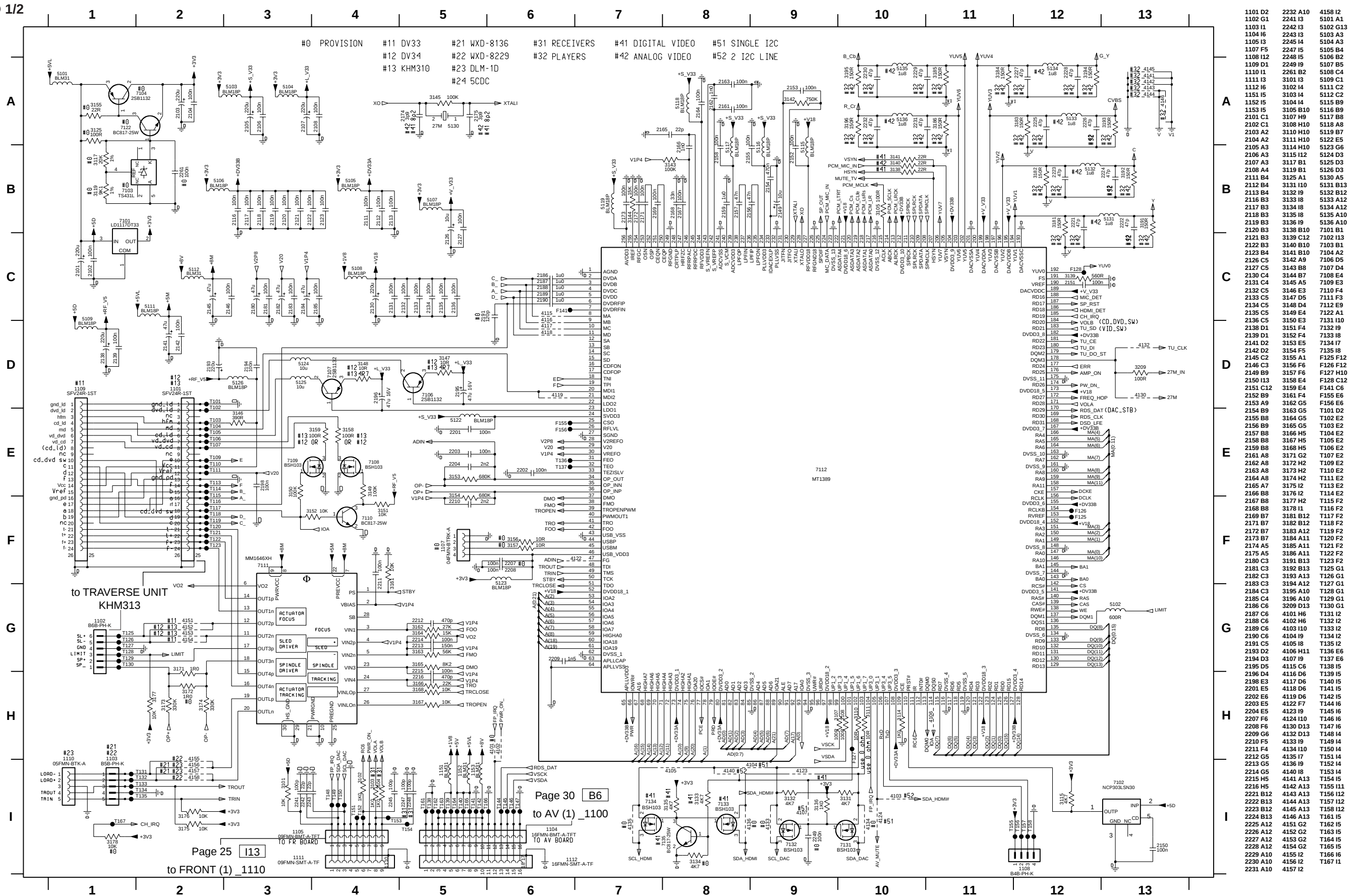
FOR INFORMATION ONLY (NO REPLACEMENT COMPONENT PARTS WILL BE AVAILABLE)

MONO 1/2

- ★ Components having special characteristics are marked  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.

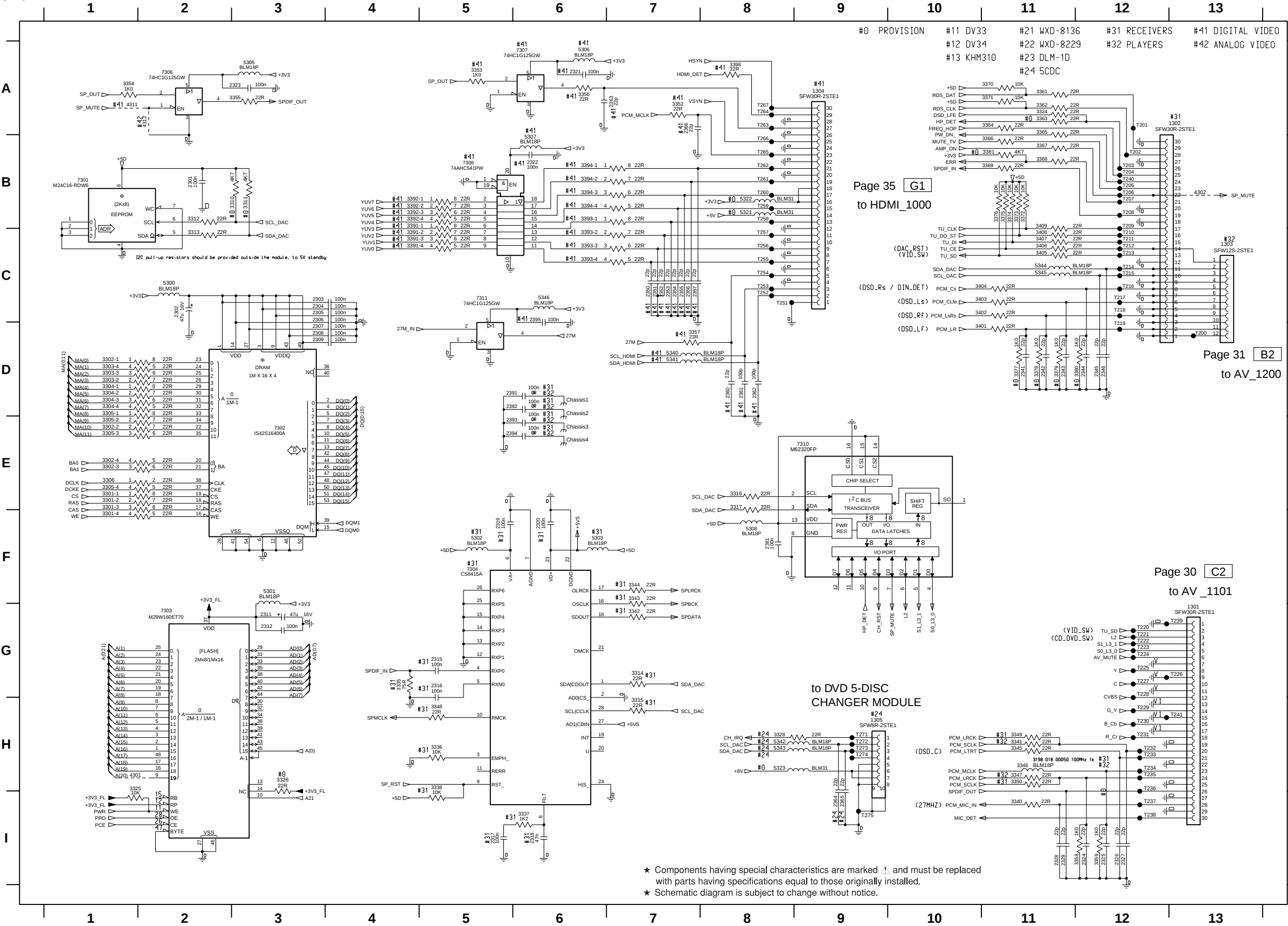
- 1xxx : Connector
- 2xxx : Capacitor
- 3xxx : Resistor
- 4xxx : SMD jumper
- 5xxx : Coil
- 6xxx : Diode
- 7xxx : IC, Transistor, FET
- 9xxx : Wire jumper



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
- 8xxx : Wire jumper
- 9xxx : Wire jumper

MONO 2/2



★ 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.

Page 35 **G1**
to HDMI_1000

Page 31 **B2**
to AV_1200

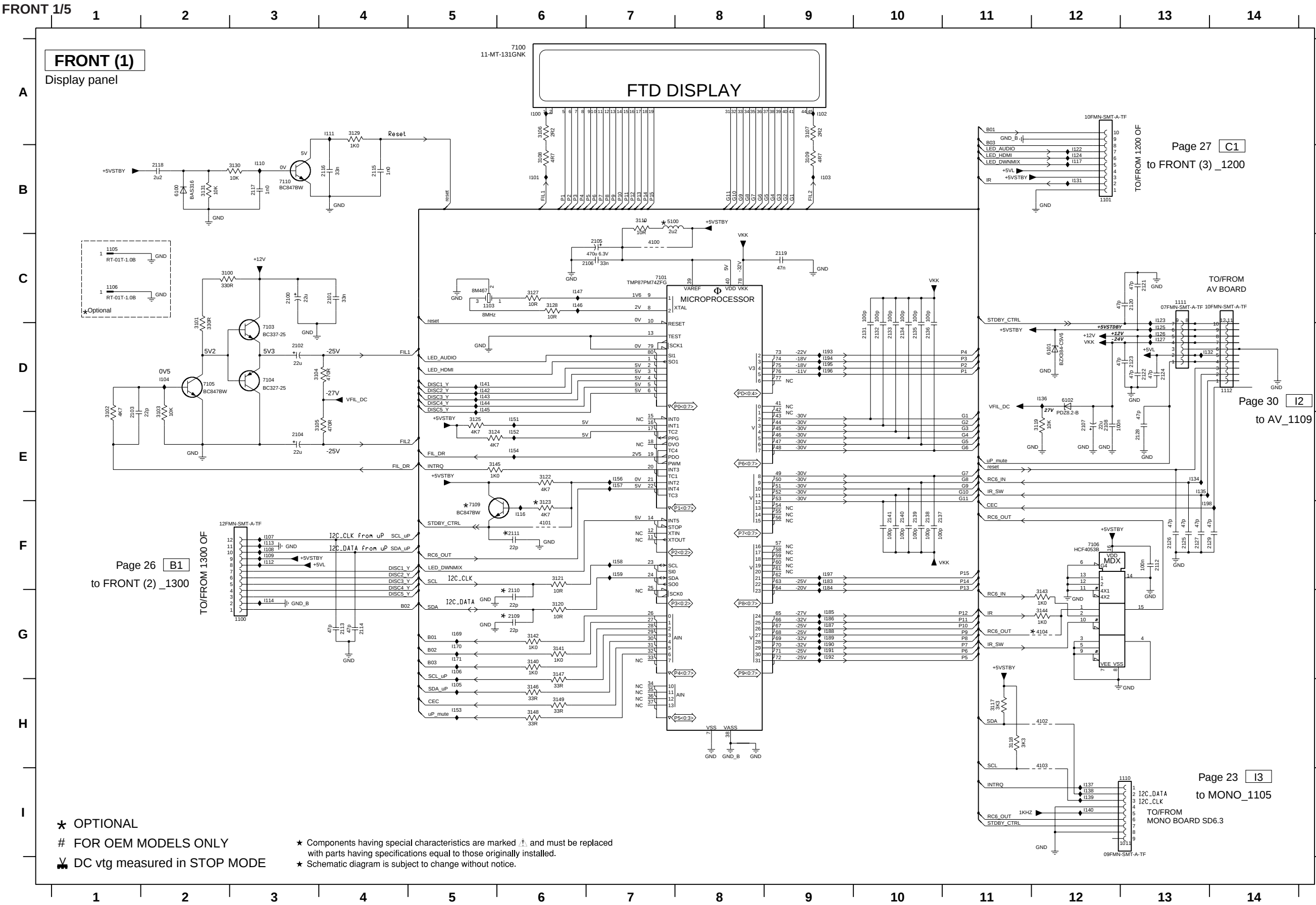
Page 30 **C2**
to AV_1101

to DVD 5-DISC
CHANGER MODULE

1301 G13	3359 I12	T233 H12
1302 A13	3361 A11	T234 H12
1303 C13	3362 A11	T235 H12
1304 A9	3363 A11	T236 H12
1305 H9	3364 A11	T237 I12
2301 B2	3365 A11	T238 I12
2302 C2	3366 B11	T239 G13
2303 C3	3367 B11	T240 B12
2304 C3	3368 B11	T241 H13
2305 C3	3369 B11	T251 C8
2306 C3	3370 A11	T252 C8
2307 D3	3371 A11	T253 C8
2308 D3	3372 B11	T254 C8
2309 D3	3373 B11	T255 C8
2311 G3	3374 B11	T256 C8
2312 G3	3375 B11	T257 C8
2315 G5	3376 B11	T258 B8
2316 G5	3377 D11	T259 B8
2317 I5	3378 D11	T260 B8
2318 I6	3379 D11	T261 B8
2319 F5	3380 D12	T262 B8
2320 F6	3381 B11	T263 A8
2321 A6	3391-1 B4	T264 A8
2322 B6	3391-2 C4	T265 B8
2323 A3	3391-3 C4	T266 B8
2324 I12	3391-4 C4	T267 A8
2325 I12	3392-1 B4	T271 H9
2326 I12	3392-2 B4	T272 H9
2327 I12	3392-3 B4	T273 H9
2328 I11	3392-4 B4	T274 H9
2329 I11	3393-1 B6	T275 I9
2341 D11	3393-2 C6	
2342 D11	3393-3 C6	
2343 D11	3393-4 C6	
2344 D12	3394-1 B6	
2345 D12	3394-2 B6	
2346 D12	3394-3 B6	
2350 C7	3394-4 B6	
2351 C7	3398 A8	
2352 C7	3401 D10	
2353 C7	3402 C10	
2354 C7	3403 C10	
2355 C7	3404 C10	
2356 C7	3405 C11	
2357 C7	3406 C11	
2360 D8	3407 C11	
2361 D8	3408 C11	
2362 D8	3409 B11	
2363 A7	4301 H1	
2364 I9	4302 B13	
2365 I9	4311 A1	
2366 A7	4312 A2	
2381 F8	5300 C2	
2391 D5	5301 F3	
2392 D5	5302 F5	
2393 E5	5303 F6	
2394 E5	5305 A3	
2395 C6	5306 A6	
3301-1 E1	5307 B6	
3301-2 E1	5308 F8	
3301-3 E1	5321 B8	
3301-4 F1	5322 B8	
3302-1 D1	5323 H8	
3302-2 E1	5340 D7	
3302-3 E1	5341 D7	
3302-4 E1	5342 H8	
3303-2 D1	5343 H8	
3303-3 D1	5344 C11	
3303-4 D1	5345 C11	
3304-1 D1	5346 C6	
3304-2 D1	7301 B1	
3304-3 D1	7302 E3	
3304-4 D1	7303 G2	
3305-1 D1	7304 F5	
3305-2 E1	7306 A2	
3305-3 E1	7307 A6	
3305-4 E1	7308 B5	
3306 E1	7310 E9	
3310 B3	7311 C5	
3311 B3	7200 D13	
3312 B2	7201 A12	
3313 C2	7202 B12	
3314 G7	7203 B12	
3315 H7	7204 B12	
3316 E8	7205 B12	
3317 E8	7206 B12	
3324 A11	7207 B12	
3325 H1	7208 B12	
3326 H3	7209 B12	
3328 H8	7210 C12	
3335 G4	7211 C12	
3336 H5	7212 C12	
3337 I6	7213 C12	
3338 H5	7214 C12	
3340 I11	7215 C12	
3341 H11	7216 C12	
3342 G7	7217 C12	
3343 F7	7218 C12	
3344 F7	7219 D12	
3345 H11	7220 G12	
3346 H11	7221 G12	
3347 H11	7222 G12	
3348 H5	7223 G12	
3349 H11	7224 G12	
3350 H11	7225 G12	
3352 A7	7226 G13	
3353 A5	7227 G12	
3354 A1	7228 G12	
3355 A3	7229 H12	
3356 A6	7230 H12	
3357 D7	7231 H12	
3358 I12	7232 H12	

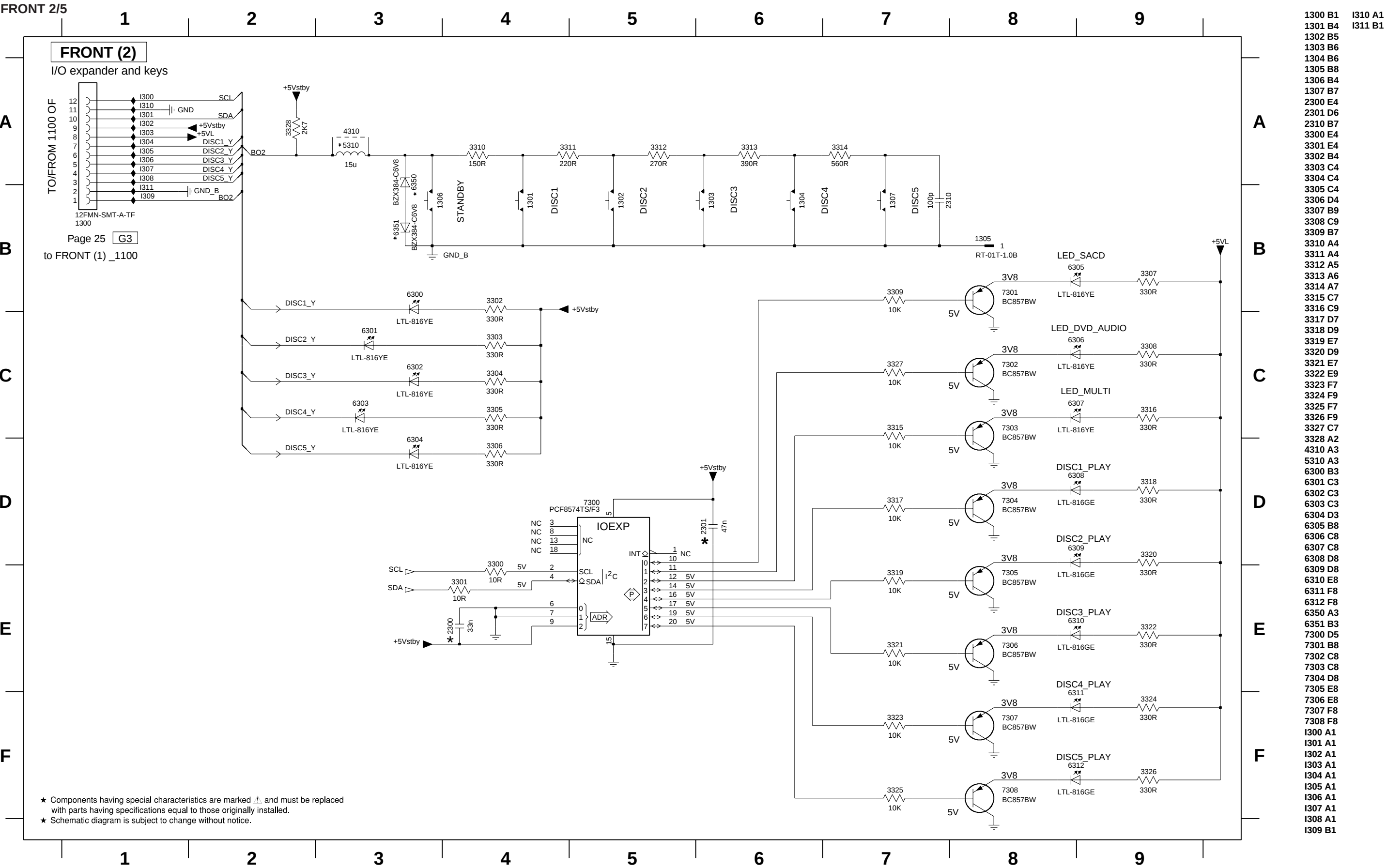
The first digit of a component indicates the component type.

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



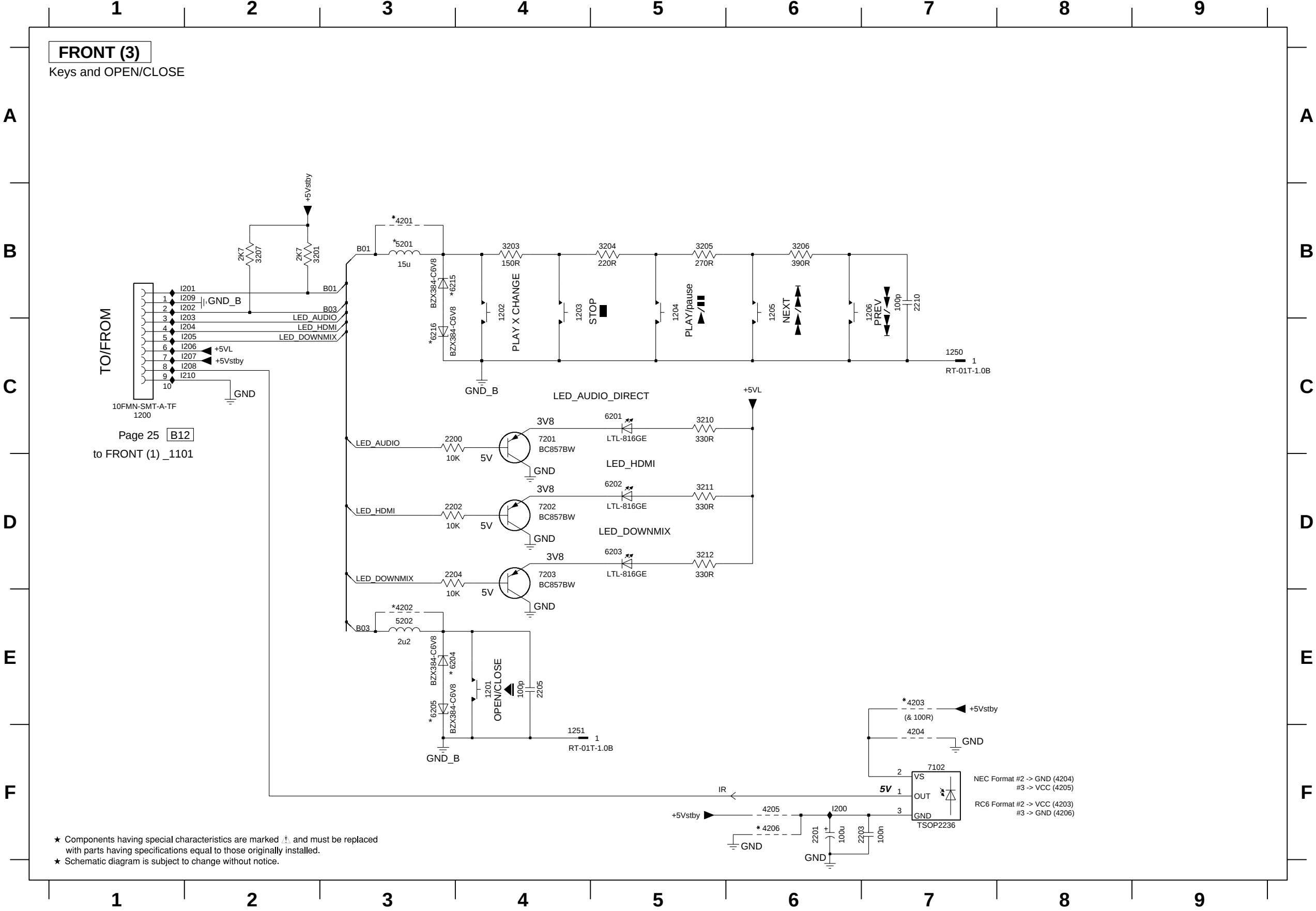
- 1100 G3
- 1101 B12
- 1105 C1
- 1106 C1
- 1110 I13
- 1111 C13
- 1112 D14
- 1103 C5
- 2100 C3
- 2101 C4
- 2102 D3
- 2103 E1
- 2104 E3
- 2105 C7
- 2106 C7
- 2107 E12
- 2108 E12
- 2109 G6
- 2110 G6
- 2111 F6
- 2112 F13
- 2113 G4
- 2114 G4
- 2115 B4
- 2116 B4
- 2117 B3
- 2118 B2
- 2119 C9
- 2120 C13
- 2121 C13
- 2122 D13
- 2123 D13
- 2124 D13
- 2125 F13
- 2126 F13
- 2127 F13
- 2128 E13
- 2129 F13
- 2131 D10
- 2132 D10
- 2133 D10
- 2134 D10
- 2135 D10
- 2136 D10
- 2137 F10
- 2138 F10
- 2139 F10
- 2140 F10
- 2141 F10
- 3100 C2
- 3101 D2
- 3102 E1
- 3103 E2
- 3104 D3
- 3105 E3
- 3106 A6
- 3107 A9
- 3108 B6
- 3109 B9
- 3110 B7
- 3117 H11
- 3118 H11
- 3119 E12
- 3120 G6
- 3121 F6
- 3122 E6
- 3123 F6
- 3124 E5
- 3125 E5
- 3127 C6
- 3128 C6
- 3129 A4
- 3130 B3
- 3131 B2
- 3140 G6
- 3141 G6
- 3142 G6
- 3143 G12
- 3144 G12
- 3145 E5
- 3146 H6
- 3147 G6
- 3148 H6
- 3149 H6
- 4100 C7
- 4101 F6
- 4102 H12
- 4103 H12
- 4104 G12
- 5100 B7
- 6100 B2
- 6101 D12
- 7103 D3
- 7104 D3
- 7105 D2
- 7106 F12
- 7109 F5
- 7110 B3
- 7101 C7
- 1100 A6
- 1101 B6
- 1102 A9
- 1103 B9
- 1104 D2
- 1105 H5
- 1106 G5
- 1107 F3
- 1108 F3
- 1109 F3
- 1110 B3
- 1111 A4
- 1112 F3
- 1113 F3
- 1114 G3
- 1116 F6
- 1117 B12
- 1122 B12
- 1123 C13
- 1124 B12
- 1125 D13
- 1126 D13
- 1127 D13
- 1131 B12
- 1132 D13
- 1134 E13
- 1135 E13
- 1136 D12
- 1137 I12
- 1138 I12
- 1139 I12
- 1140 I12
- 1141 D5
- 1142 D5
- 1143 D5
- 1144 D5
- 1145 D5
- 1146 C6
- 1147 C6
- 1151 E6
- 1152 E6
- 1153 H5
- 1154 E6
- 1156 E7
- 1157 E7
- 1158 F7
- 1159 F7
- 1169 G5
- 1170 G5
- 1171 G5
- 1183 F9
- 1184 F9
- 1185 G9
- 1186 G9
- 1187 G9
- 1188 G9
- 1189 G9
- 1190 G9
- 1191 G9
- 1192 G9
- 1193 D9
- 1194 D9
- 1195 D9
- 1196 D9
- 1197 F9
- 1198 F13

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

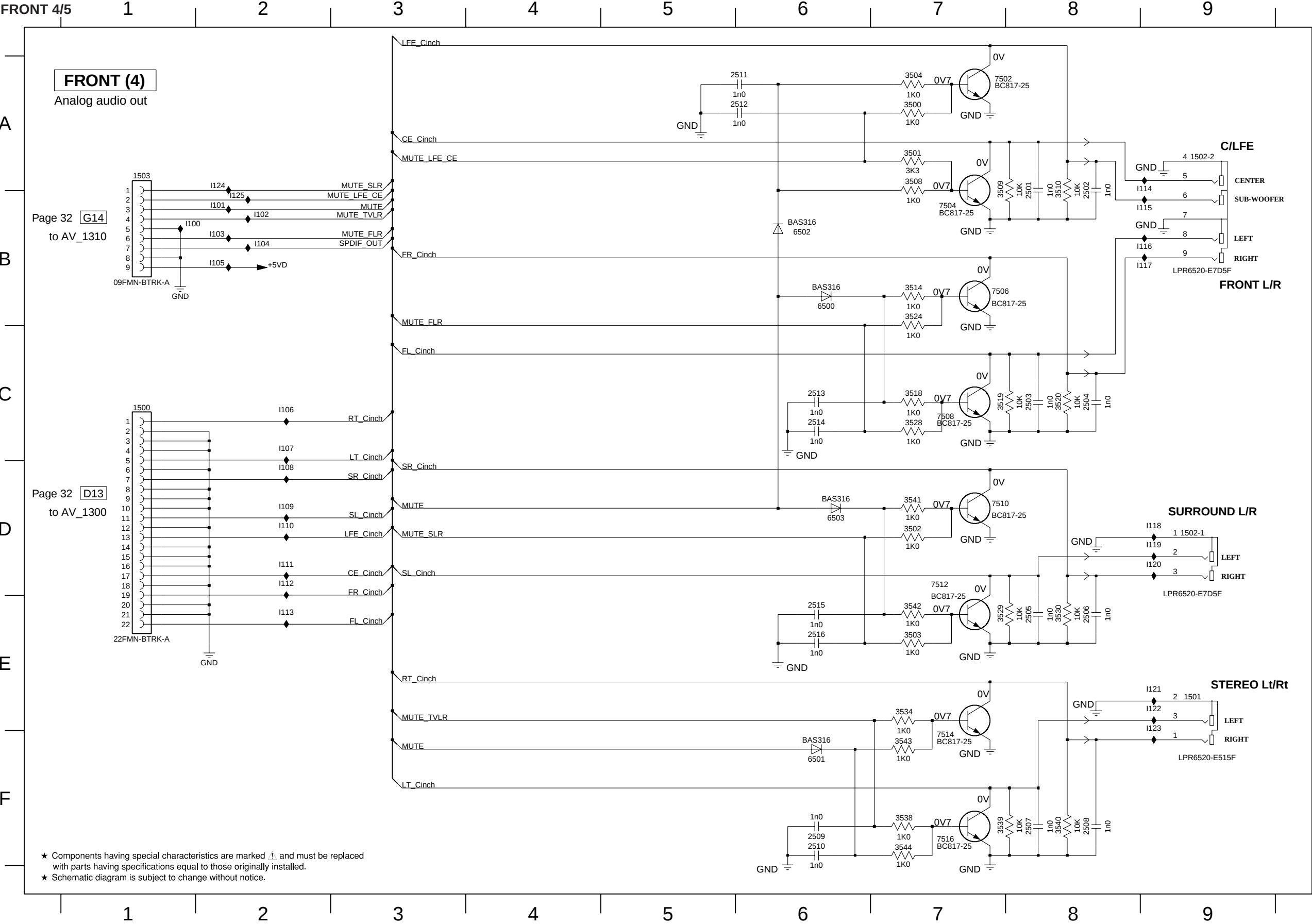
FRONT 3/5



- 1200 C1
- 1201 E4
- 1202 B4
- 1203 B4
- 1204 B5
- 1205 B6
- 1206 B7
- 1250 C7
- 1251 F4
- 2200 C3
- 2201 F6
- 2202 D3
- 2203 F7
- 2204 D3
- 2205 E4
- 2210 B7
- 3201 B2
- 3203 B4
- 3204 B5
- 3205 B5
- 3206 B6
- 3207 B2
- 3210 C5
- 3211 D5
- 3212 D5
- 4201 B3
- 4202 E3
- 4203 E7
- 4204 F7
- 4205 F6
- 4206 F6
- 5201 B3
- 5202 E3
- 6201 C5
- 6202 D5
- 6203 D5
- 6204 E3
- 6205 E3
- 6215 B3
- 6216 C3
- 7102 F7
- 7201 C4
- 7202 D4
- 7203 D4
- I200 F6
- I201 B2
- I202 B2
- I203 B2
- I204 C2
- I205 C2
- I206 C2
- I207 C2
- I208 C2
- I209 B2
- I210 C2

The first digit of a component indicates the component type.

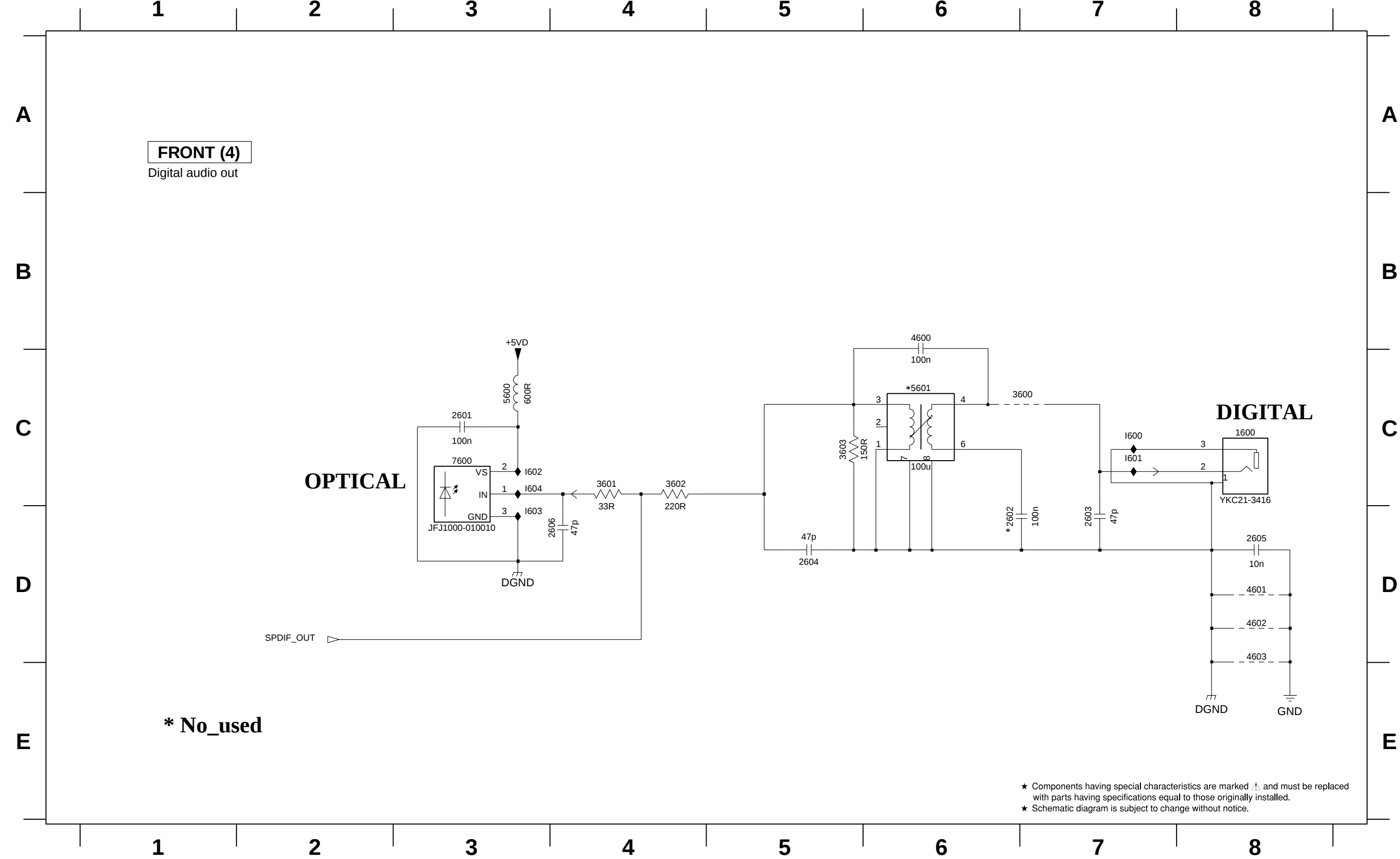
1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper



1500 C1	I120 D9
1501 E9	I121 E9
1502-1 D9	I122 E9
1502-2 A9	I123 E9
1503 A1	I124 A2
2501 A8	I125 B2
2502 A8	
2503 C8	
2504 C8	
2505 E8	
2506 E8	
2507 F8	
2508 F8	
2509 F6	
2510 F6	
2511 A6	
2512 A6	
2513 C6	
2514 C6	
2515 E6	
2516 E6	
3500 A7	
3501 A7	
3502 D7	
3503 E7	
3504 A7	
3508 A7	
3509 A7	
3510 A8	
3514 B7	
3518 C7	
3519 C7	
3520 C8	
3524 B7	
3528 C7	
3529 E7	
3530 E8	
3534 E7	
3538 F7	
3539 F7	
3540 F8	
3541 D7	
3542 E7	
3543 F7	
3544 F7	
6500 B6	
6501 F6	
6502 B6	
6503 D6	
7502 A7	
7504 B7	
7506 B7	
7508 C7	
7510 D7	
7512 D7	
7514 F7	
7516 F7	
I100 B1	
I101 B2	
I102 B2	
I103 B2	
I104 B2	
I105 B2	
I106 C2	
I107 C2	
I108 D2	
I109 D2	
I110 D2	
I111 D2	
I112 D2	
I113 E2	
I114 A9	
I115 B9	
I116 B9	
I117 B9	
I118 D9	
I119 D9	

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 5/5



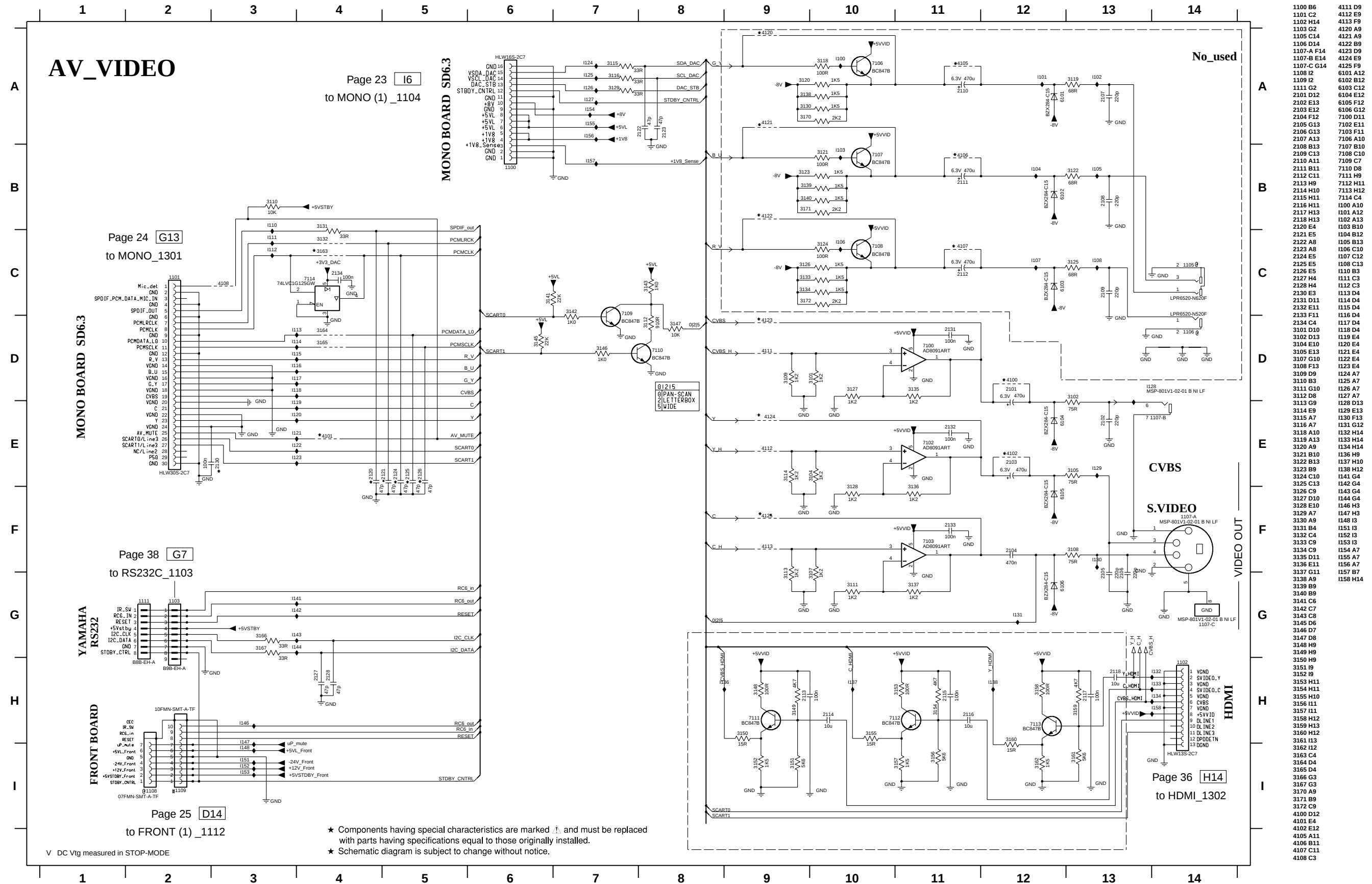
- 1600 C8
- 2601 C3
- 2602 D6
- 2603 D7
- 2604 D5
- 2605 D8
- 2606 D4
- 3600 C7
- 3601 C4
- 3602 C4
- 3603 C5
- 4600 B6
- 4601 D8
- 4602 D8
- 4603 D8
- 5600 C3
- 5601 C6
- 7600 C3
- I600 C7
- I601 C7
- I602 C3
- I603 D3
- I604 C3

AV 1/4

The first digit of a component indicates the component type.

7xxx : IC, Transistor, FET

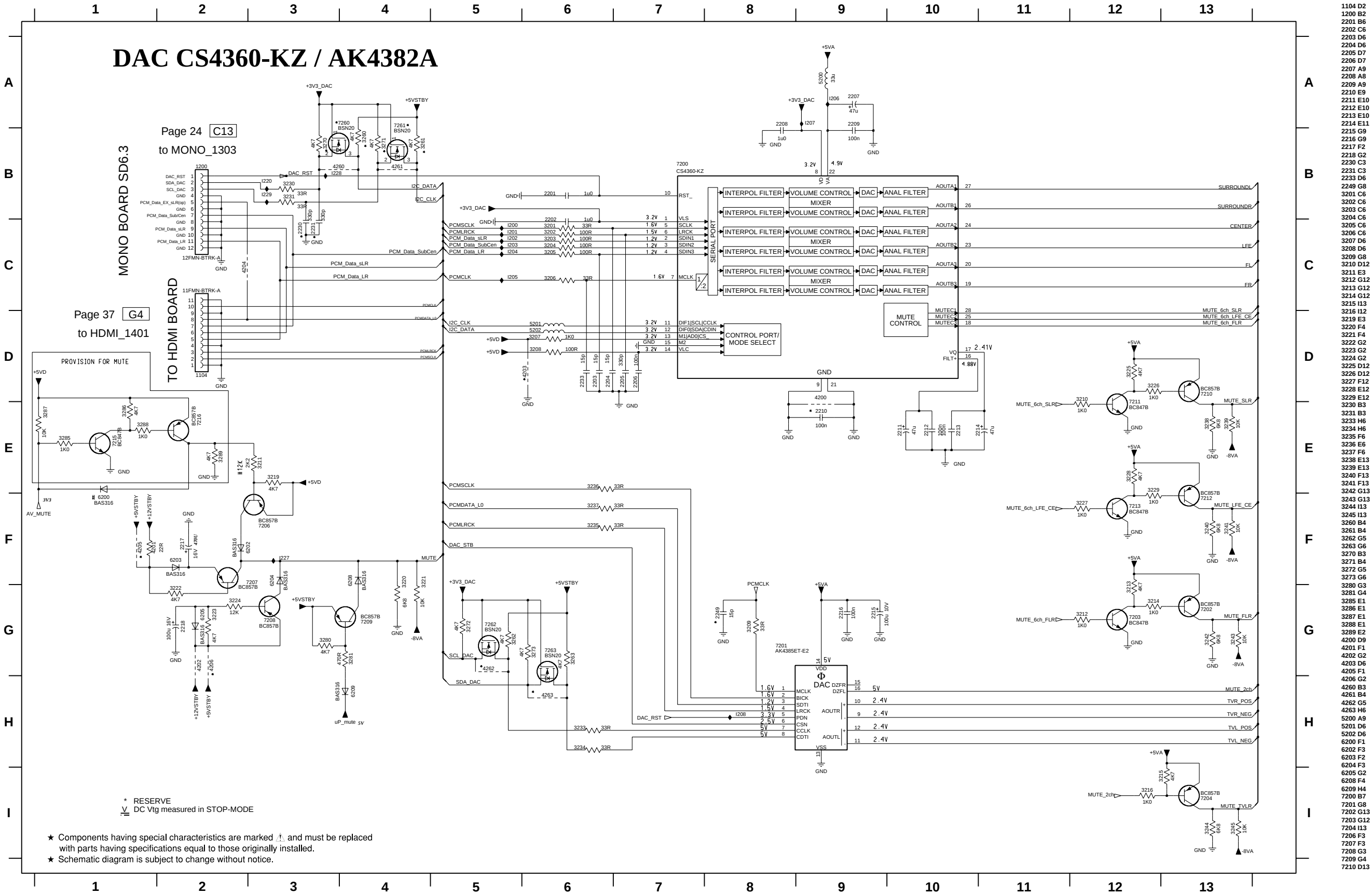
9xxx : Wire jumper



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

AV 2/4



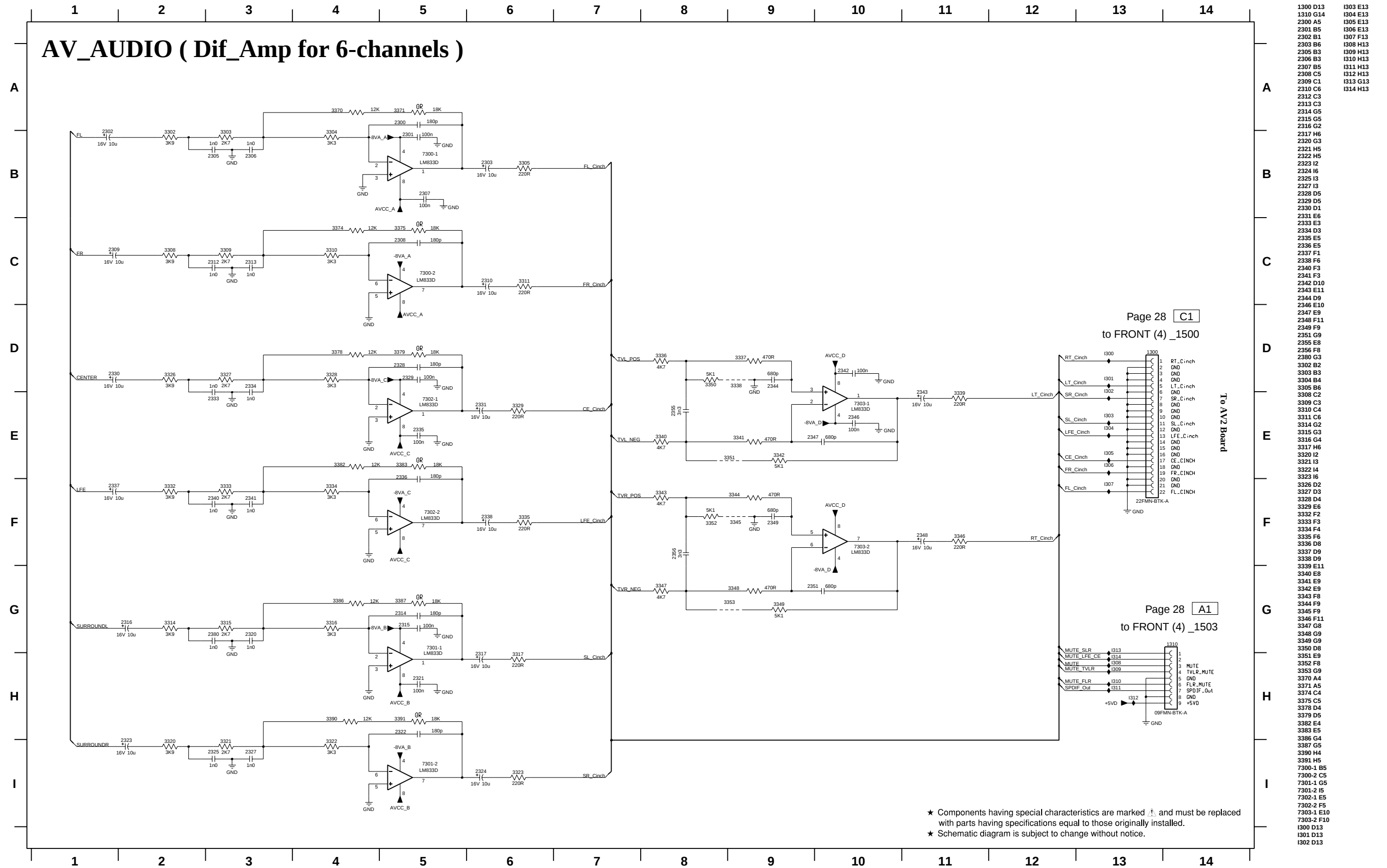
The first digit of a component indicates the component type.

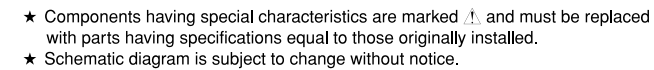
7xxx : IC, Transistor, FET

6xxx : Diode

9xxx : Wire jumper

AV 3/4



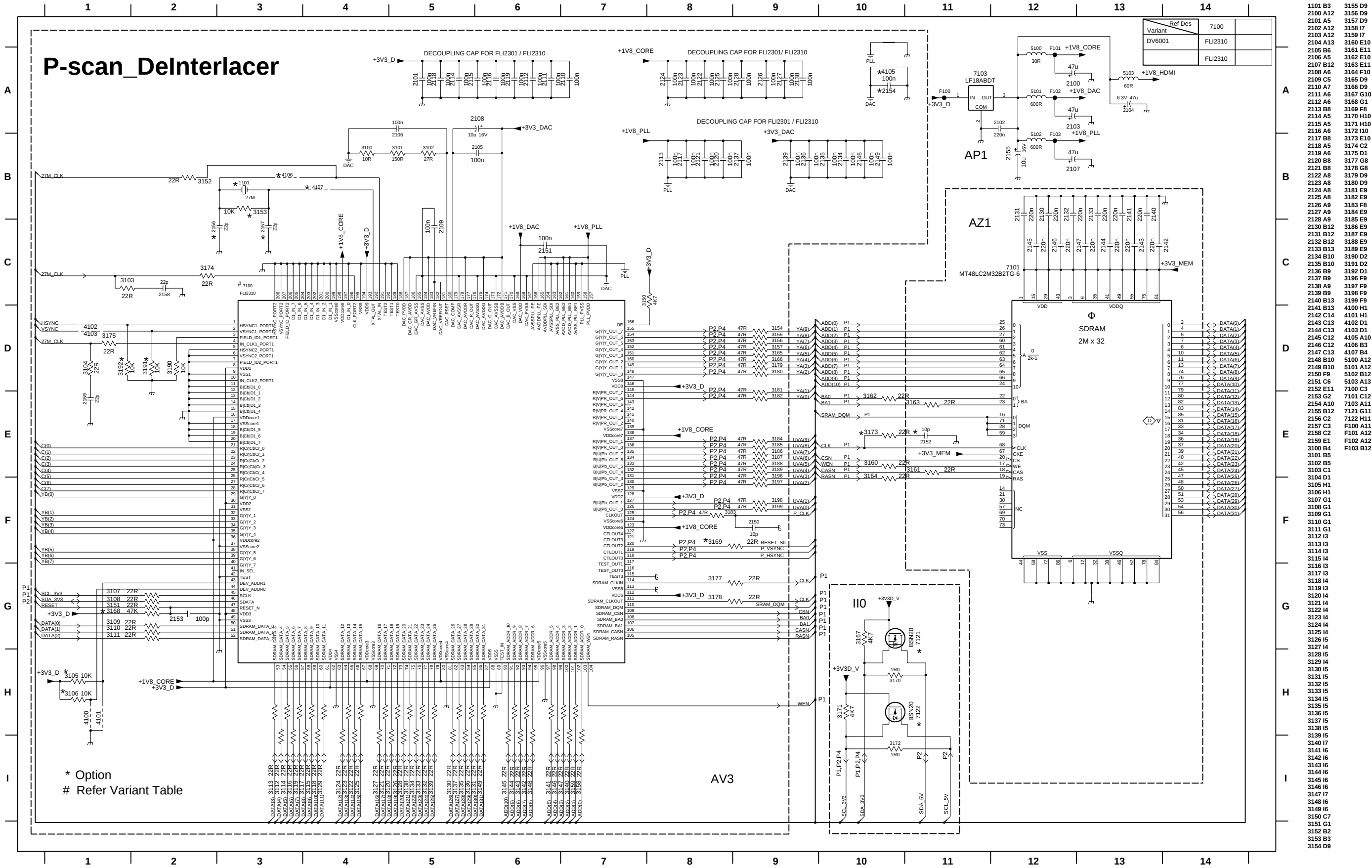


★ Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

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 1/4

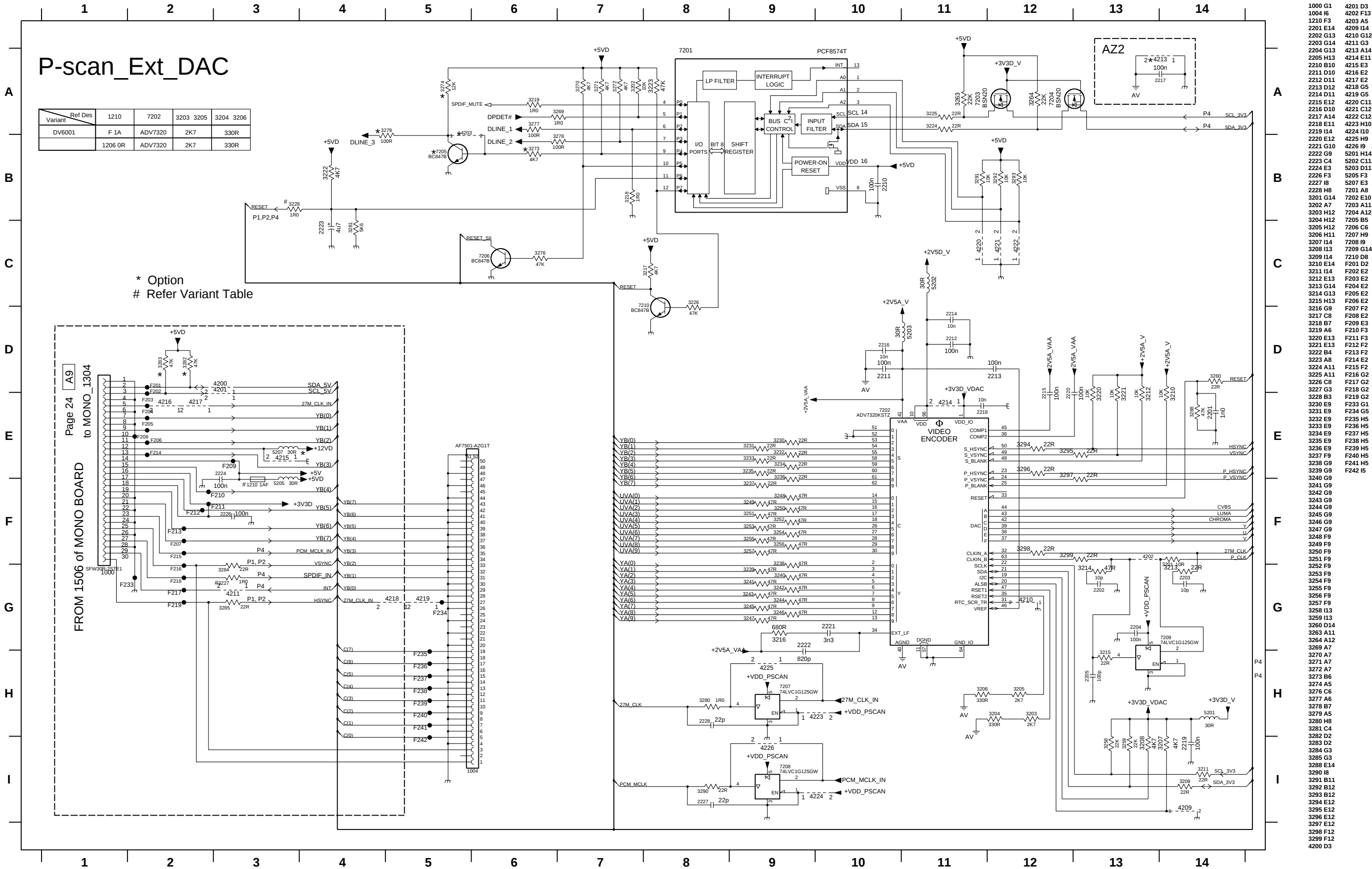


★ Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

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

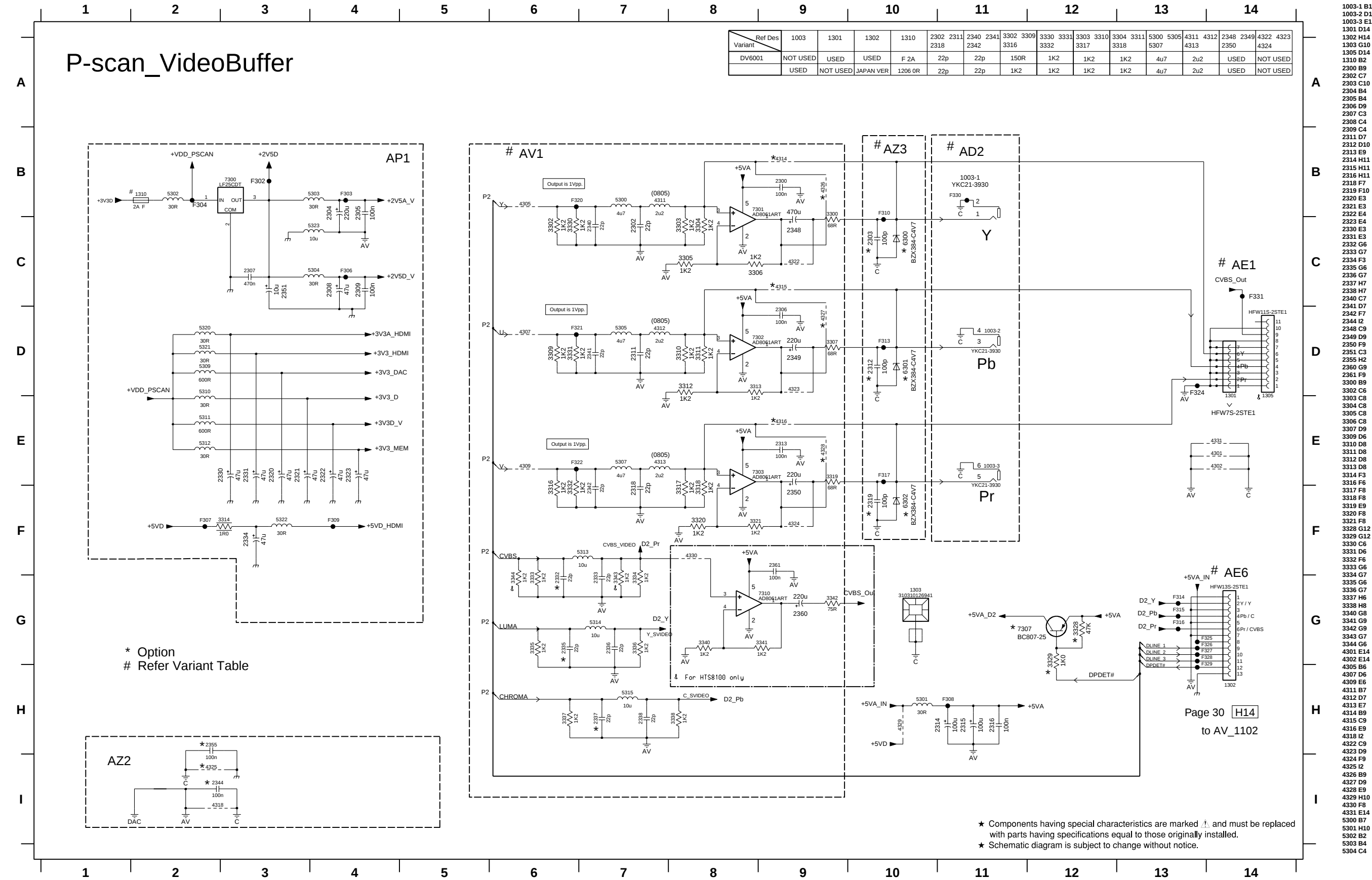
HDMI 2/4



The first digit of a component indicates the component type.

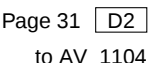
1xxx : Connector 3xxx : Resistor 5xxx : Coil 7xxx : IC, Transistor, FET
2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper

HDMI 3/4



1003-1 B11	5305 D7
1003-2 D11	5307 E7
1003-3 E11	5309 D2
1301 D14	5310 D2
1302 H14	5311 E2
1303 G10	5312 E2
1305 D14	5313 F7
1310 B2	5314 G7
2300 B9	5315 H7
2302 C7	5320 D2
2303 C10	5321 D2
2304 B4	5322 F3
2305 B4	5323 C4
2306 D9	6300 C10
2307 C3	6301 D10
2308 C4	6302 F10
2309 C4	7300 B3
2311 D7	7301 B8
2312 D10	7302 D8
2313 E9	7303 E8
2314 H11	7307 G11
2315 H11	7310 G9
2316 H11	F302 B3
2318 F7	F303 B4
2319 F10	F304 B2
2320 E3	F306 C4
2321 E3	F307 F2
2322 E4	F308 H11
2323 E4	F309 F4
2330 E3	F310 B10
2331 E3	F313 D10
2332 G6	F314 G13
2333 G7	F315 G13
2334 F3	F316 G13
2335 G6	F317 E10
2336 G7	F320 B6
2337 H7	F321 D6
2338 H7	F322 E6
2340 C7	F324 D13
2341 D7	F325 G14
2342 F7	F326 G14
2344 I2	F327 G14
2348 C9	F328 G14
2349 D9	F329 G14
2350 F9	F330 B11
2351 C3	F331 C14
2355 H2	
2360 G9	
2361 F9	
3300 B9	
3302 C6	
3303 C8	
3304 C8	
3305 C8	
3306 C8	
3307 D9	
3309 D6	
3310 D8	
3311 D8	
3312 D8	
3313 D8	
3314 F3	
3316 F6	
3317 F8	
3318 F8	
3319 E9	
3320 F8	
3321 F8	
3328 G12	
3329 G12	
3330 C6	
3331 D6	
3332 F6	
3333 G6	
3334 G7	
3335 G6	
3336 G7	
3337 H6	
3338 H8	
3340 G8	
3341 G9	
3342 G9	
3343 G7	
3344 G6	
4301 E14	
4302 E14	
4305 B6	
4307 D6	
4309 E6	
4311 B7	
4312 D7	
4313 E7	
4314 B9	
4315 C9	
4316 E9	
4318 I2	
4322 C9	
4323 D9	
4324 F9	
4325 I2	
4326 B9	
4327 D9	
4328 E9	
4329 H10	
4330 F8	
4331 E14	
5300 B7	
5301 H10	
5302 B2	
5303 B4	
5304 C4	

* Option
Refer Variant Table



Ref Des	1410	1411	3483	2441
Variant				
DV6001	F 1A	F 2A	22K	470n
	F 1A	F 2A	22K	470n

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

1002 C14	3464 C8
1401 G4	3465 C12
1401 G1	3466 D12
1403 H6	3462 B4
1404 H3	3463 B4
1405 H1	3464 F4
1410 G3	3485 F4
1411 G3	3486 F4
2401 B5	3487 D5
2402 B5	3488 C13
2403 B4	3489 C13
2404 D12	3490 C13
2405 A4	3491 D13
2406 A4	3492 D13
2407 A5	3493 D13
2408 A5	3494 D13
2409 G2	3495 D13
2410 B4	4401 E10
2411 B5	4402 E10
2412 B5	4403 B9
2413 B5	4404 C9
2414 B5	4405 C10
2415 B5	4406 C10
2416 E12	4413 F4
2417 D12	4414 F4
2418 E8	4415 H7
2419 C10	4416 H7
2420 B7	4417 G4
2421 B7	4418 D13
2422 B6	4419 H5
2423 B6	5401 A5
2424 B7	5402 B6
2425 B7	5403 A6
2426 B6	5405 G2
2427 B6	5406 G2
2428 F5	5407 G2
2429 C10	5408 H1
2430 A9	6412 H3
2431 A10	7102 E9
2432 B4	7104 C9
2433 C13	7105 C9
2434 E13	7405 C6
2435 H2	7406 D10
2436 H2	7407 A9
2437 H2	7408 D11
2438 H2	7409 C11
2439 E10	7412 G4
2440 B8	7418 H2
2441 B4	7419 H7
2442 D9	7420 H7
2444 B5	F401 D13
2445 F12	F402 D13
2446 F13	F403 G2
2447 F12	F406 G2
2448 F13	F407 G2
2450 F4	F408 A10
3401 E12	F410 G2
3402 E13	F411 H2
3403 F12	F412 G5
3404 F13	F413 H5
3405 G5	F414 H5
3406 G5	F415 H5
3407 G5	F416 H5
3408 G5	F417 H5
3409 G5	F418 H5
3410 G5	F419 H6
3411 G5	F420 H6
3416 C4	F421 G6
3413 C4	F422 G6
3414 D4	F423 H6
3415 D4	
3416 E9	
3418 C8	
3419 C8	
3422 D4	
3423 D4	
3424 D4	
3425 D4	
3426 D4	
3427 D4	
3428 E4	
3429 E4	
3430 E4	
3431 E4	
3432 E4	
3433 E4	
3434 E4	
3435 E4	
3436 C4	
3437 E4	
3438 E4	
3439 E4	
3443 C12	
3444 D12	
3447 D9	
3448 D9	
3450 A9	
3451 A9	
3452 B9	
3455 D4	
3456 C8	
3457 C4	
3460 E4	
3461 F5	
3462 F5	
3463 C8	

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

RS232C

A

B

C

D

E

F

G

H

I

A

B

C

D

E

F

G

H

I

- 1101 C1
- 1102 D1
- 1103 G7
- 1104 G10
- 1105 H8
- 1106 G6
- 1107 H12
- 1108 G13
- 1109 E2
- 1110 B10
- 1101 C3
- 1102 C3
- 1103 A10
- 1104 A11
- 1105 B11
- 1106 B10
- 1107 B11
- 1108 B6
- 1109 B7
- 1110 B6
- 1111 B9
- 1112 B7
- 1113 B8
- 1114 C6
- 1115 C1
- 1116 D7
- 1117 D7
- 1118 D7
- 1119 D4
- 1120 D2
- 1121 D7
- 1122 D6
- 1123 D6
- 1124 E13
- 1125 F9
- 1126 G9
- 1127 G9
- 1128 H10
- 1129 H11
- 1130 H11
- 1131 H11
- 1132 H12
- 1133 H13
- 1104 A7
- 1105 B8
- 1106 B9
- 1107 B10
- 1108 B10
- 1109 B8
- 1110 B6
- 1111 B12
- 1112 C6
- 1113 C7
- 1114 C9
- 1115 C12
- 1116 C12
- 1117 C4
- 1118 C9
- 1119 C2
- 1120 D3
- 1121 D2
- 1122 E6
- 1123 E7
- 1124 E6
- 1125 E7
- 1126 E6
- 1127 E7
- 1128 E10
- 1129 E12
- 1130 E12
- 1131 E6
- 1132 E7
- 1133 E13
- 1134 E10
- 1135 E13
- 1136 E9
- 1137 E9
- 1138 G7
- 1139 G8
- 1140 G8
- 1141 G7
- 1142 G7
- 1143 H7
- 1144 H7
- 1145 H7
- 1146 H8
- 1147 H9
- 1148 E12
- 1149 H6
- 1150 G7
- 1151 H13
- 1152 G13
- 1153 E10
- 1154 B9
- 1155 B9
- 1101 G6
- 1102 G7
- 1103 G9
- 1104 H11
- 1105 G13
- 1106 H13
- 1101 C8
- 1102 G10
- 1103 G11
- 1104 G11
- 1105 G11
- 1106 G9
- 1107 G10

. Provision Not Stuffed
+ RTR to implement

Page 30 **G2**
to AV_1103

ON/OFF
— REMOTE CONTROL —

MEMO

MEMO

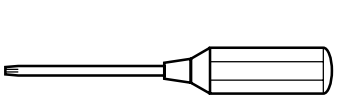
REPLACEMENT PARTS LIST

OVERALL ASS'Y

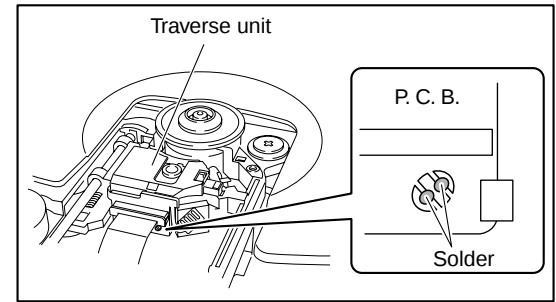
When disassembling, use the special screw driver with tip shape in figure.

T10  2.7 mm

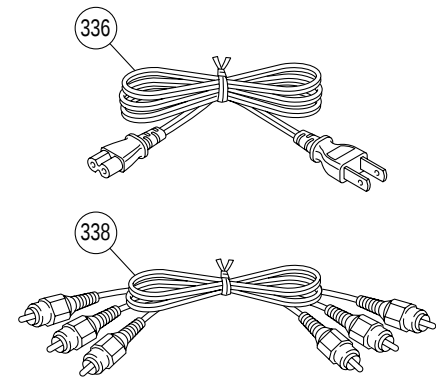
T6  1.7 mm



*** Note for replacement of the traverse unit**
P.C.B. of a new traverse unit is shorted.
When installing a new traverse unit, remove the solder from the shorted point of P.C.B. using an electrostatic shielding soldering iron.



Note) The replacement battery cover is not available.



	Ref. No.	Part No.	Description		Remarks	Markets
*	101	AAX84040	FRONT PANEL ASS'Y		3141 079 43171	
*	107	AAX84020	TRAY COVER		3139 244 17261	
*	161	AAX84030	FRAME ASS'Y		3141 079 43181	
*	230	AAX84050	REAR PANEL		3139 241 26882	
	240	AAX59320	TOP COVER		3139 241 22041	
	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	
	257	AAX23640	PAN HEAD TORX S-TIGHT SCREW	3x6 MFZN2BL	2511 077 00039	
	268	AAX55930	PAN HEAD TORX S-TIGHT SCREW	3x4 MFZN2BL	3141 010 40591	
* 	1000	AAX84080	POWER SUPPLY UNIT	06P25	3139 247 13183	
*	1200	AAX83930	P.C.B. ASS'Y	FRONT	3139 248 52841	
*	1300	AAX83910	P.C.B. ASS'Y	MONO SD6.3	3139 248 52851	
	1400	AAX78720	DVD 5-DISC CHANGER MODULE	SD5.5	3139 247 13121	
*	1400-1	AAX83880	TRAVERSE UNIT	KHM313AAA	2422 549 00629	
	1400-2	VQ776900	BELT	V		
*	1500	AAX83890	P.C.B. ASS'Y	AV	3139 248 52811	
*	1700	AAX83920	P.C.B. ASS'Y	RS232C	3139 248 52771	
*	1800	AAX83900	P.C.B. ASS'Y	HDMI	3139 248 52831	
	8102	AAX59280	FLEXIBLE FLAT CABLE	12P 280mm P=1mm	3139 241 00771	
	8103	AAX59260	FLEXIBLE FLAT CABLE	10P 340mm P=1mm	3139 241 00651	
	8500	AAX64690	FLEXIBLE FLAT CABLE	10P 560mm P=1mm	3139 241 00871	
	8502	AAX59220	FLEXIBLE FLAT CABLE	22P 180mm P=1mm	3139 110 35631	
	8505	AAX64670	FLEXIBLE FLAT CABLE	13P 220mm P=1mm	3139 111 02411	
*	8506	AAX83990	FLEXIBLE FLAT CABLE	11P 100mm P=1mm	3139 241 03061	
	8508	AAX59300	FLEXIBLE FLAT CABLE	9P 180mm P=1mm	3139 241 00891	
	8600	AAX59240	FLEXIBLE FLAT CABLE	9P 340mm P=1mm	3139 111 03811	
*	8601	AAX84000	FLEXIBLE FLAT CABLE	30P 180mm P=1mm	3139 241 03881	
*	8602	AAX83940	FLEXIBLE FLAT CABLE	16P 140mm P=1mm	3139 110 34811	
	8603	AAX59230	FLEXIBLE FLAT CABLE	12P 180mm P=1mm	3139 111 02181	
	8606	AAX59250	FLEXIBLE FLAT CABLE	30P 180mm P=1mm	3139 241 00421	
*	8607	AAX84010	CABLE MAINS ASS'Y	2P 140mm	3139 241 01731	
			ACCESSORIES			
*	333	AAX84060	REMOTE CONTROL	DVD-17	3139 228 51741	
* 	336	AAX84070	POWER CABLE	1.5m 1pc	2422 070 00106	
	338	AAX23450	AUDIO/VIDEO CABLE	YE/RD/WH 1.5m 1pc	2422 076 00304	
			BATTERY	R6, AA, UM-3 2pcs		