

DVD AUDIO/VIDEO SA-CD PLAYER DVD-S657/DV-S5860

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.

■ CONTENTS

TO SERVICE PERSONNEL	2~3
PREVENTION OF ELECTROSTATIC DISCHARGE	4
LOCALE MANAGEMENT INFORMATION	4
FRONT PANELS	5
REAR PANELS	5~6
REMOTE CONTROL	6
SPECIFICATIONS / 参考仕様	7~8
INTERNAL VIEW	9
REPAIR NOTES / 修理上の留意点	10

DISASSEMBLY PROCEDURES / 分解手順	11~12
MAINTENANCE FLOW CHART / メンテナンスフローチャート	13~22
BLOCK DIAGRAM	23
WIRING DIAGRAM	24
PRINTED CIRCUIT BOARD	25~30
SCHEMATIC DIAGRAM	31~37
EXPLODED VIEW	38
MECHANICAL PARTS	39



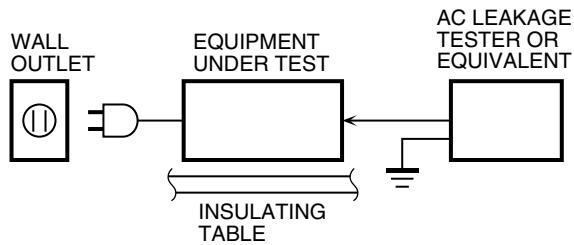
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■ TO SERVICE PERSONNEL

1. Critical Components Information
Components having special characteristics are marked $\triangle$ 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!

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.

警告：レーザーの安全対策

本機はレーザー光線を放射する部品を搭載しています。この部品が放射するレーザー光線は目に損傷を起こします。このレーザー光線から目及び肌を保護するために、本機の修理作業中は下記の注意を厳守してください。

- 1) テスト時または修理時、目及び肌を光ピックアップから30cm以上離してください。いかなる場合もレーザー光線を見つめないでください。
- 2) 光ピックアップの再調整及び分解はしないでください。
- 3) このマニュアル上で指定されている以外の制御、調整、手順はレーザー光線を照射される結果を招く恐れがあります。

レーザー放射条件

- 1) トップカバーを取り外しSTANDBY/ON スイッチをONにすると、ディスク検知のため5～10秒間、光ピックアップからレーザー光線が放射されます。この間、修理はしないでください。
ディスクが検知されなければ、レーザー光線の放射は停止します。ディスクがセットされている場合、ディスクで遮られるのでレーザー光線は修理担当者には届きません。
- 2) レーザーパワーレベルは光ピックアップ基板上のVRにより調整可能ですが、工場出荷前に調整セット済みなので、このVRは廻さないでください。このVRを廻すと装置からのレーザー光線の放射レベルが上がる恐れがあります。

Laser Diode Properties

Type: Semiconductor laser GaAlAs
 Wave length: 650 nm (DVD)
 780 nm (VCD/CD)
 Output Power: 7 mW (DVD), 10 mW (VCD/CD)
 Beam divergence: 60 degree

レーザー

タイプ 半導体レーザーGaAlAs
 波長 650 nm (DVD)
 780 nm (VCD/CD)
 出力 7 mW (DVD), 10 mW (VCD/CD)
 ビーム広がり 60度

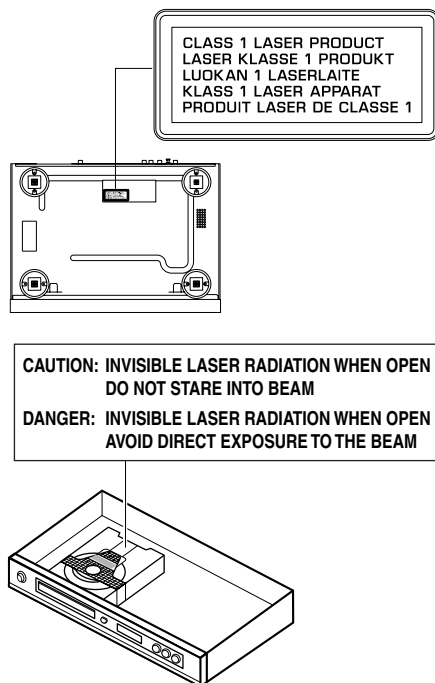
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASER-SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

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.



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 NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.

VARO! AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASER SÄ TEILYLLE. 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

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

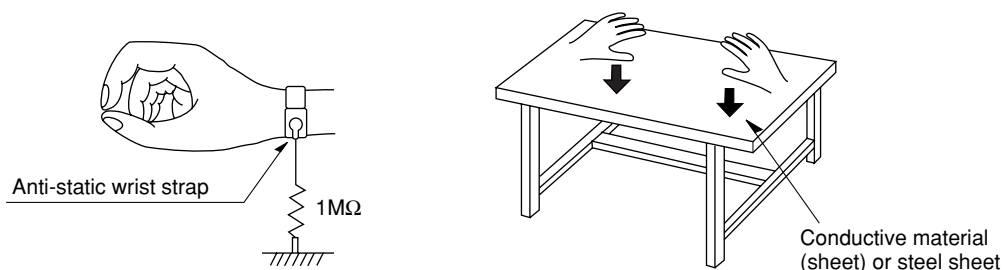
Some devices, such as the DVD player, use an optical pickup (laser diode) that will be damaged by static electricity in the working environment. Only attempt service after ensuring that all grounding procedures have been completed.

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.



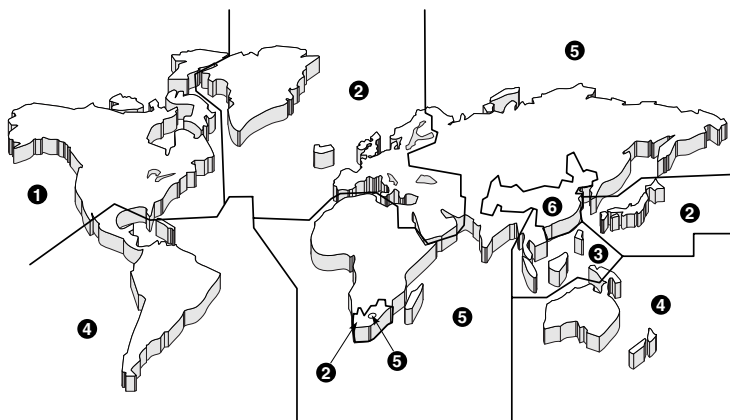
2. Handling Precautions for DVD mechanism

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

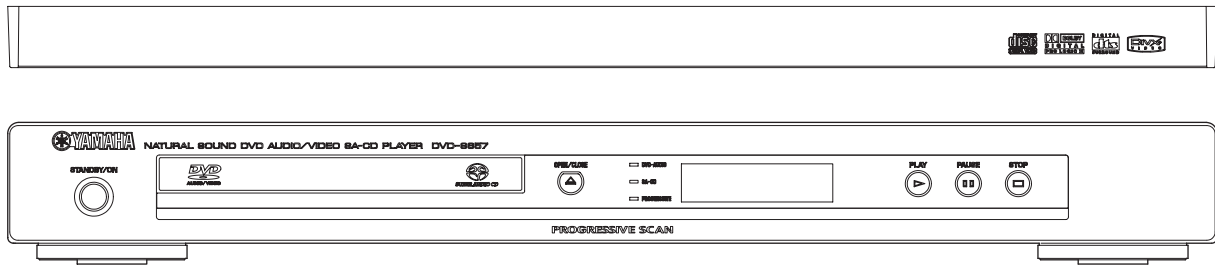
Locale Management Information : This DVD player is designed and manufactured to respond to the Locale Management Information that is recorded on a DVD disc. If the Locale number described on the DVD disc does not correspond to the Locale number of this DVD player, this DVD player cannot play this disc.

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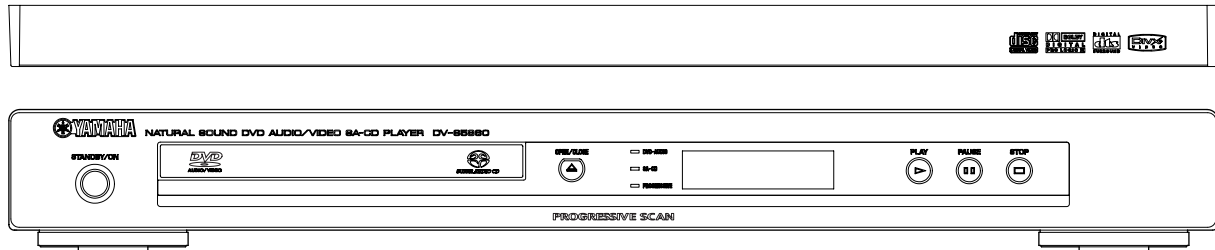


FRONT PANELS

DVD-S657 (U, R, K, A, B, G, P, J models)

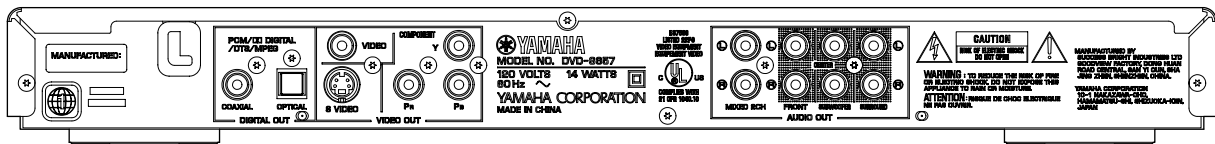


DV-S5860 (U, A models)

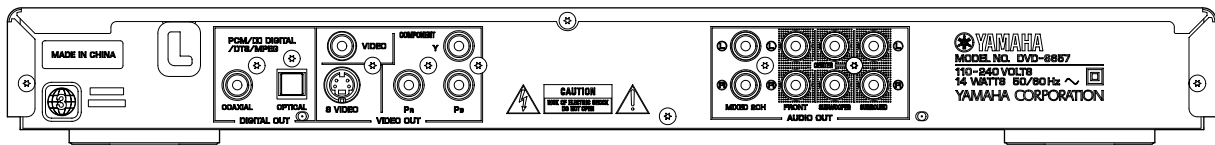


REAR PANELS

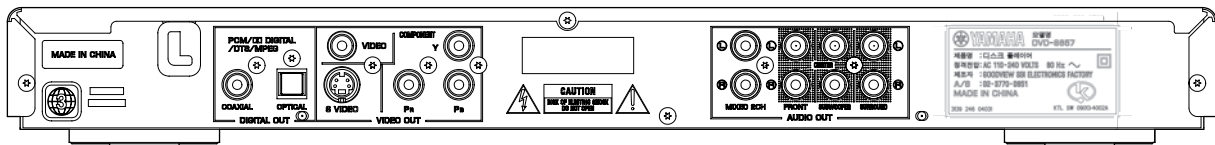
DVD-S657 (U model)



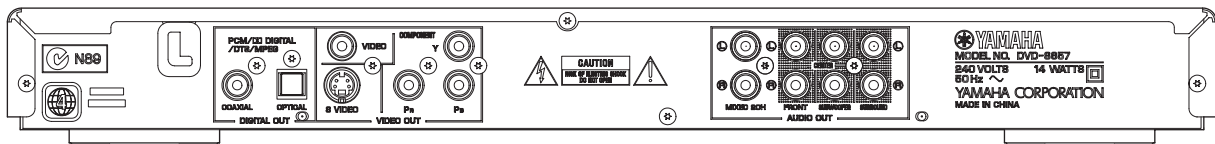
DVD-S657 (R model)



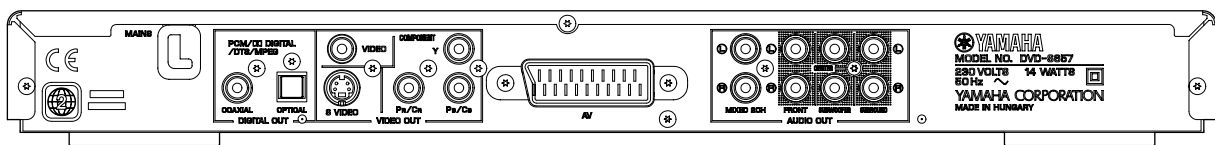
DVD-S657 (K model)



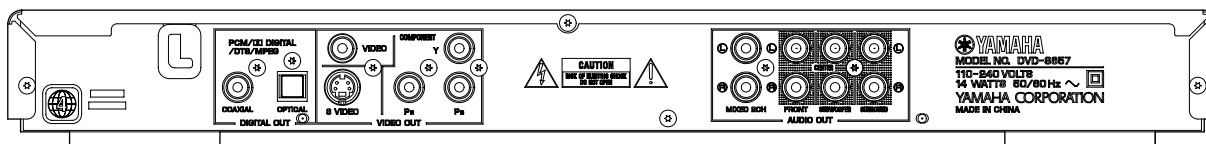
DVD-S657 (A model)



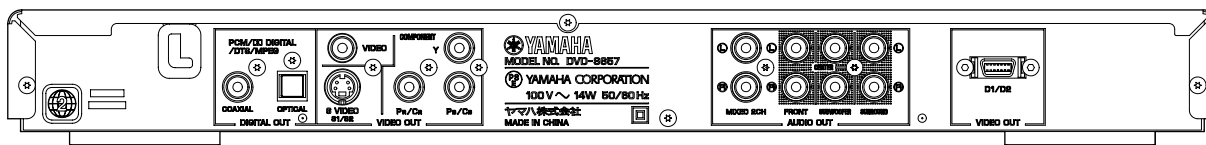
DVD-S657 (B, G models)



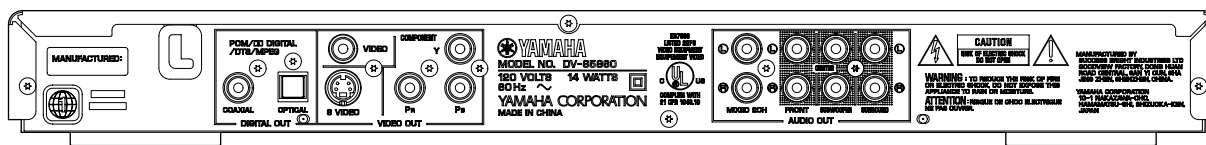
DVD-S657 (P model)



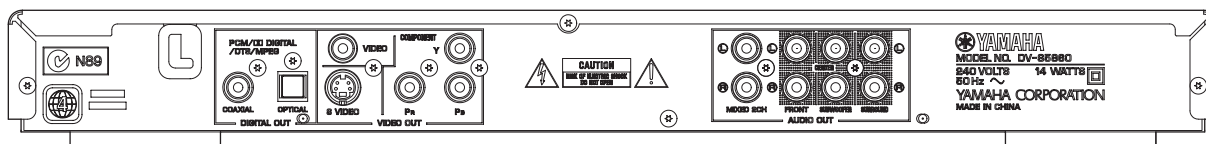
DVD-S657 (J model)



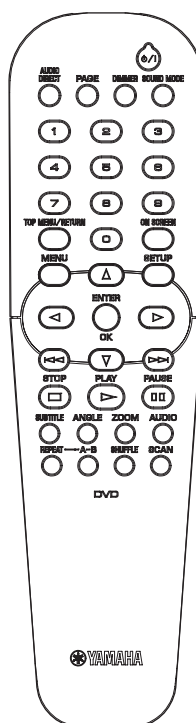
DV-S5860 (U model)



DV-S5860 (A model)



REMOTE CONTROL



■ SPECIFICATIONS / 参考仕様

PLAYBACK SYSTEM / 対応ディスク

DVD Video
 DVD-Audio
 SA-CD multi-channel and SA-CD stereo
 Video CD & SVCD
 CD
 PICTURE CD
 CD-R, CD-RW
 DVD+R, DVD+RW
 DVD-R, DVD-RW

VIDEO PERFORMANCE / ビデオ部

Video (CVBS) Output 1 Vpp into 75 ohms
 S-Video Output Y: 1Vpp into 75 ohms
 C: 0.3Vpp into 75 ohms
 Component Video Output Y: 1Vpp into 75 ohms
 Pb/Cb Pr/Cr: 0.7Vpp into 75 ohms
 RGB (SCART) Output 0.7 Vpp into 75 ohms (B, G models)
 D1/D2 Y:1 Vpp into 75 ohms (J model)
 Pb/Cb Pr/Cr: 0.7Vpp into 75 ohms (J model)

AUDIO FORMAT / オーディオフォーマット

Digital Mpeg/Dolby Digital/Compressed Digital
 DTS
 PCM 16, 20, 24 bits
 fs, 44.1, 48, 96 kHz
 MP3(ISO 9660) 24, 32, 56, 64, 96, 128, 256 kbps
 fs 16, 22.05, 24, 32, 44.1, 48 kHz
 WMA 32 kbps~192 kbps, mono, stereo
 Full decoding of Dolby Digital, DTS and MPEG multi-channel sound/analog stereo sound
 Dolby Surround Compatible Downmix from Dolby Digital multi-channel sound
 3D sound for virtual 5.1 channel sound on two speakers
 Dolby Pro Logic II 5.1 ch decoding from the stereo source

AUDIO PERFORMANCE / オーディオ特性

DA Converter 24 bits
 Signal-Noise (1kHz) 110 dB
 Dynamic Range (1kHz) 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 (1kHz) 0.003%

TV STANDARD	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard (PAL/NTSC)	

CONNECTIONS / 接続端子

SCART	Euroconnector (B, G models)
D Terminal	(J model)
Y Output	Cinch (green)
Pb/Cb Output	Cinch (blue)
Pr/Cr Output	Cinch (red)
S-Video Output	Mini DIN, 4 pins
Video Output	Cinch (yellow)
Audio Output (L+R)	Cinch (white / red)
Digital Output	1 coaxial, 1 optical
	IEC60958 for CDDA / LPCM / MPEG1
	IEC61937 for MPEG 2, Dolby Digital and DTS

6 channel analog output

Audio Front L/R	Cinch (white / red)
Audio Surround L/R	Cinch (white / red)
Audio Center	Cinch (blue)
Audio Subwoofer	Cinch (black)

GENERAL / 一般

Dimensions (W x H x D) / 寸法 (幅 x 高さ x 奥行き)	435 x 51 x 318 mm (17-1/8" x 2" x 12-1/2")
Weight / 質量	Approx. 2.6 Kg (5 lbs. 12 oz)
Finish / 仕上げ [DVD-S657]	Gold Color (R, K, J models) Black Color (U, A, G, P models) Titanium Color (U, B, G models) Silver Color (R, G, J models)
[DV-S5860]	Black Color (U model) Silver Color (U, A models)
Power Supply / 電源電圧	AC120V, 60 Hz (U model) AC240V, 50 Hz (A model) AC110~240V, 50/60 Hz (R, K, P models) AC230V, 50 Hz (B, G models) AC100V, 50/60 Hz (J model)
Power Consumption / 消費電力	Approx. 14W
Standby Power Consumption / 待機時消費電力	< 1W

ACCESSORIES

Remote Control x 1, Battery x 2
Audio/Video Cable (U, R, K, A, P, J models)
Audio Pin Cable (B, G models)
Video Pin Cable (B, G models)

**Specifications subject to change without prior notice.*

U U.S.A and Canada models	R General model
K Korean model	A Australian model
B British model	G European model
P South American model	J Japanese model



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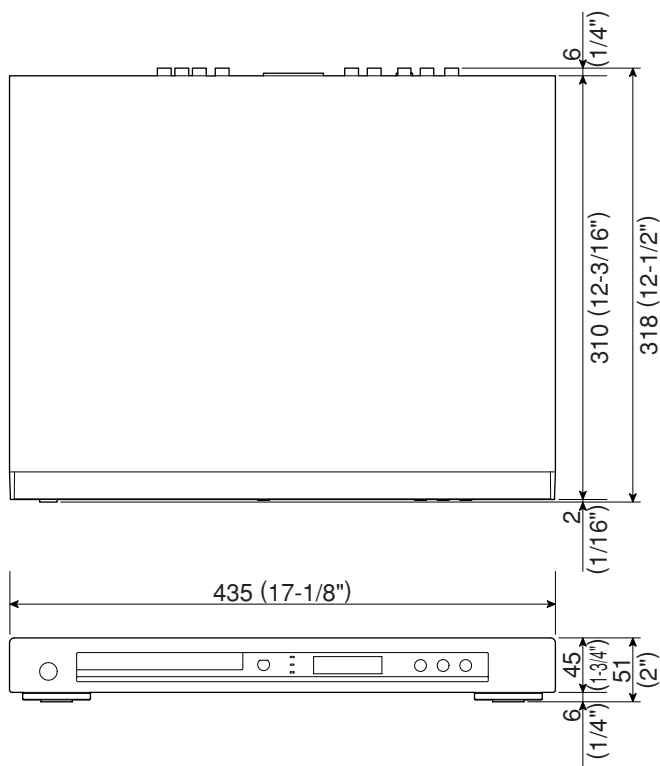


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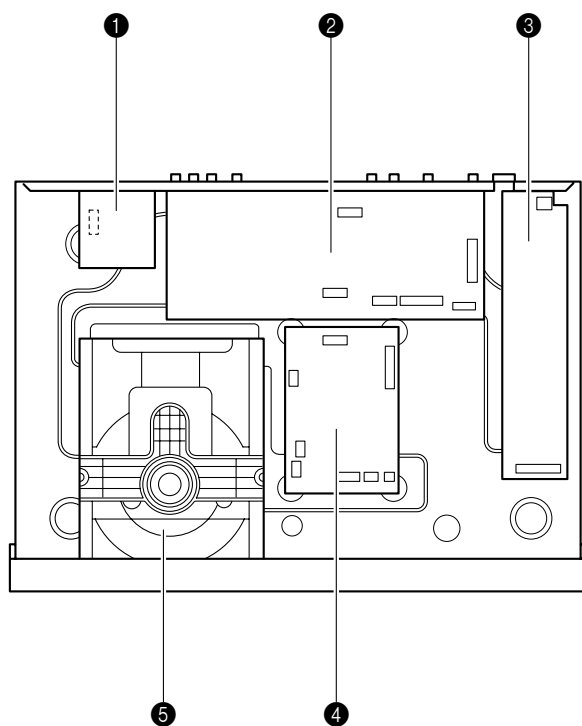
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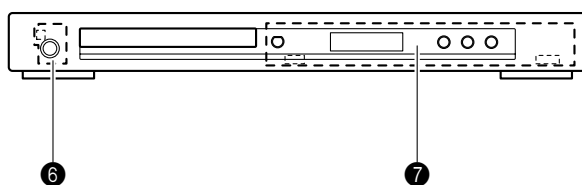
• DIMENSIONS / 寸法図



■ INTERNAL VIEW



- ① HDMI D2 Board (J model)
- ② AV Board
- ③ Power Supply Unit
- ④ MONO Board
- ⑤ DVD Mechanism



- ⑥ Front (2) Standby Board
- ⑦ Front (1) Display Board

■ REPAIR NOTES / 修理上の留意点

● Repair Tips

None of the components of the following units can be supplied separately.

Each unit must be replaced as a whole in case of a failure.

- DVD Mechanism
- MONO Board
- FRONT Board
- AV Board
- Power Supply Unit

● Power Supply Unit

Never touch the potentiometer (VR301) installed to the Power Supply Unit.

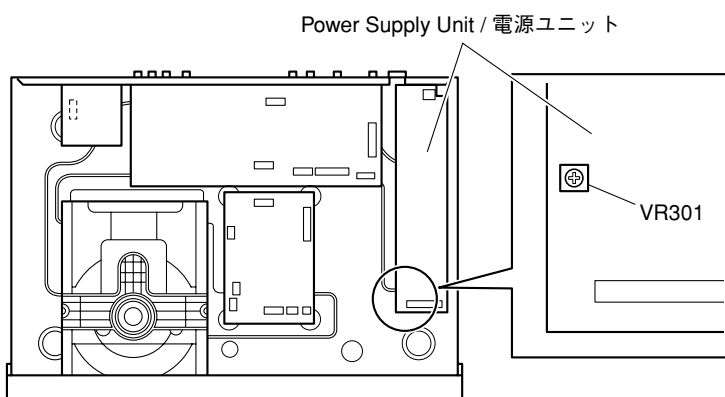
● 修理について

下記のユニットは、小部品の部品供給はできません。故障の場合は、各ユニットを交換してください。

- DVDメカ
- MONO Board
- FRONT Board
- AV Board
- HDMI D2 Board
- 電源ユニット

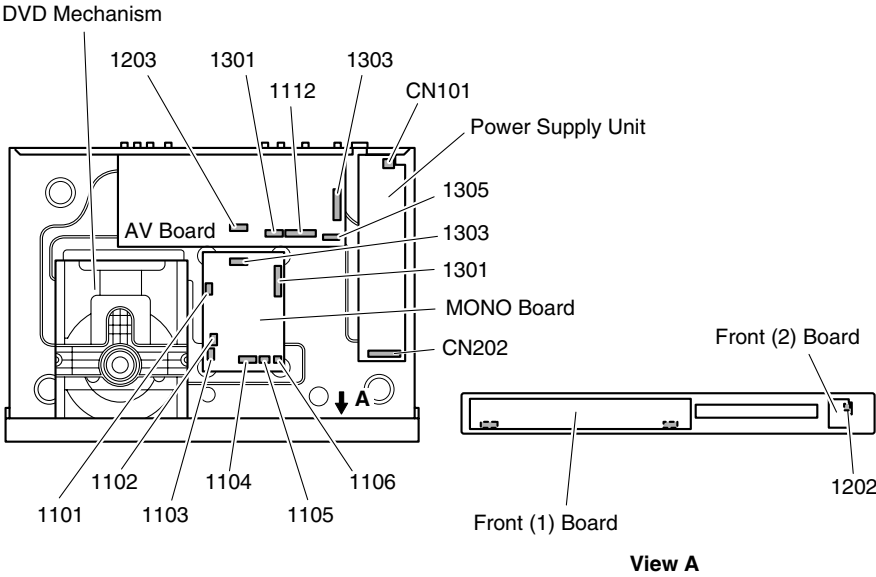
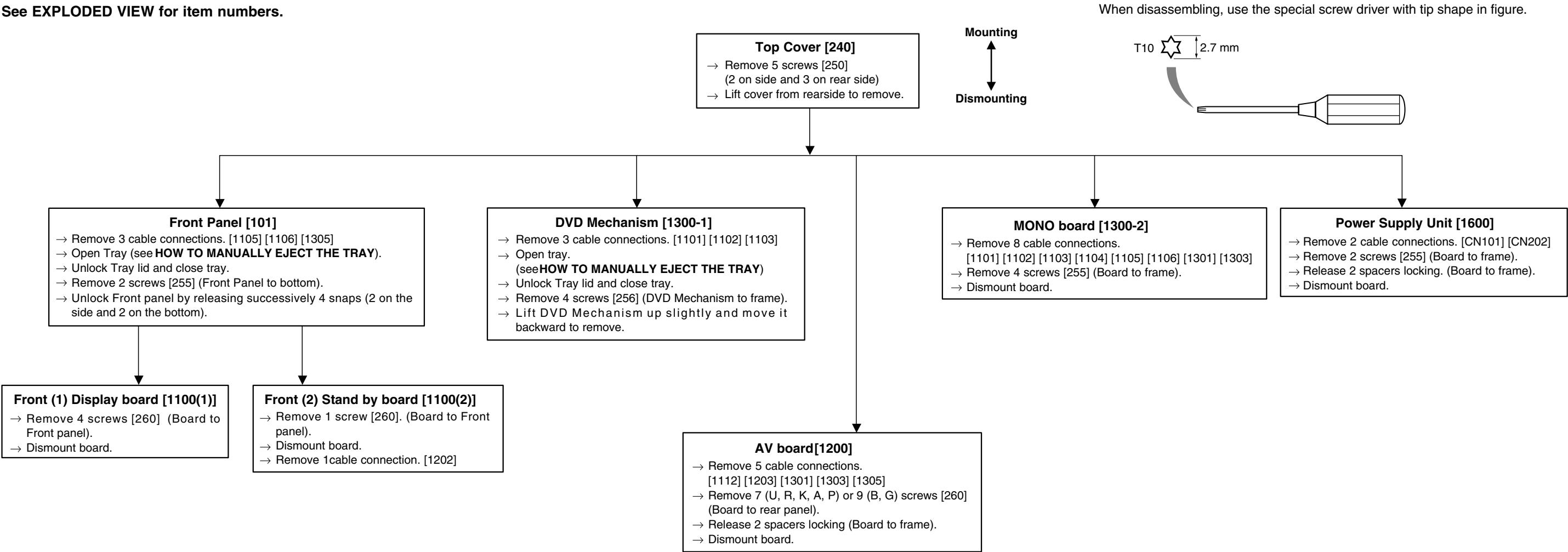
● 電源ユニットについて

電源ユニットに搭載されている可変抵抗(VR301)は、絶対に触らないでください。



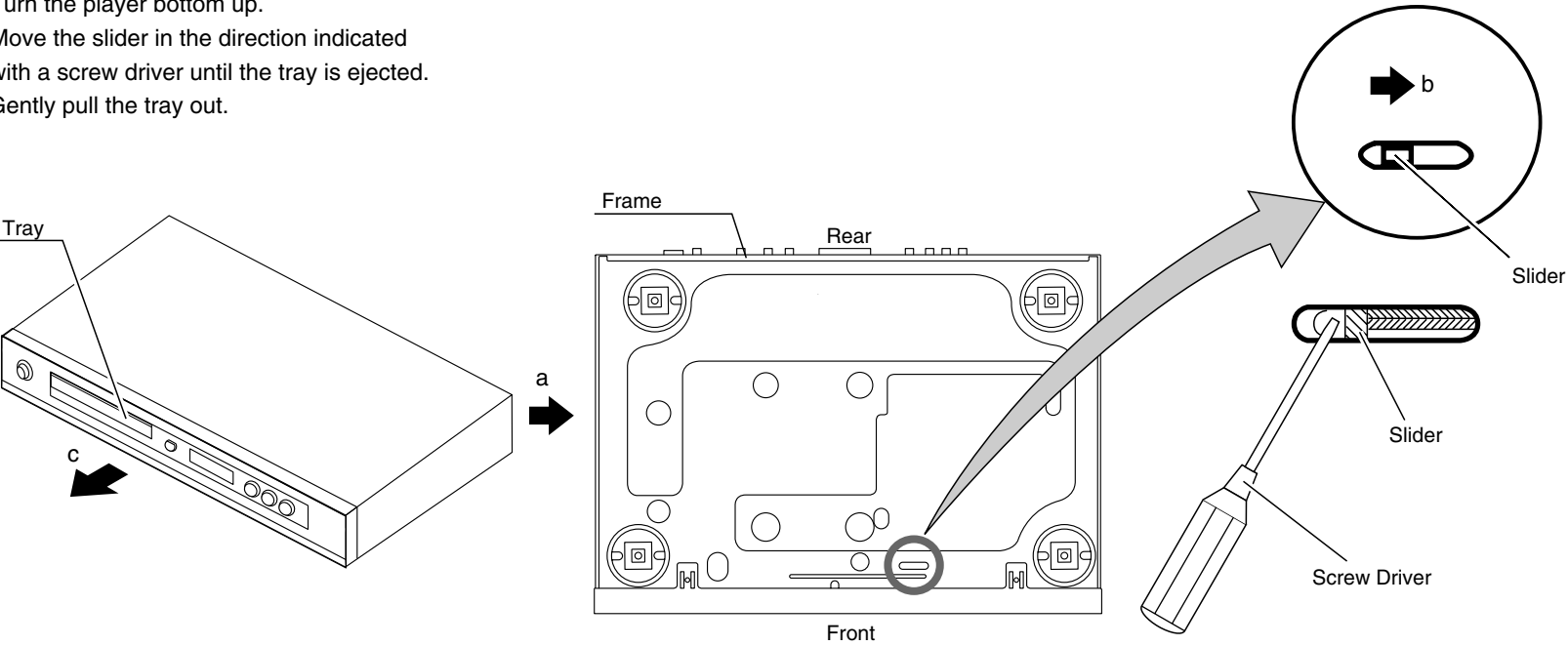
■ DISASSEMBLY PROCEDURES

See EXPLODED VIEW for item numbers.



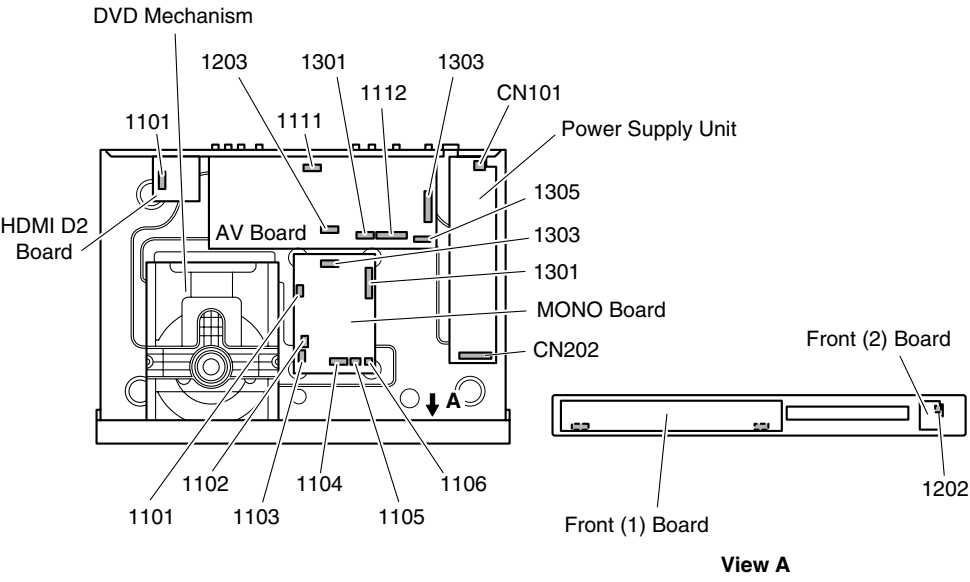
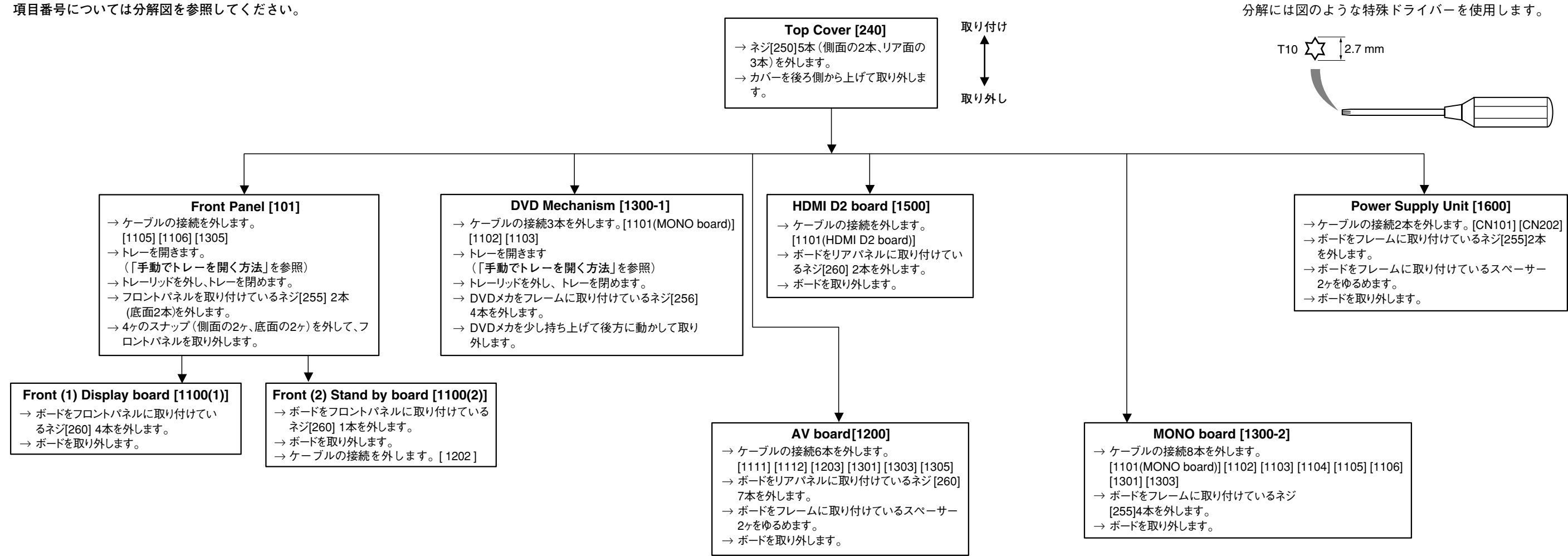
● HOW TO MANUALLY EJECT THE TRAY

- 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.



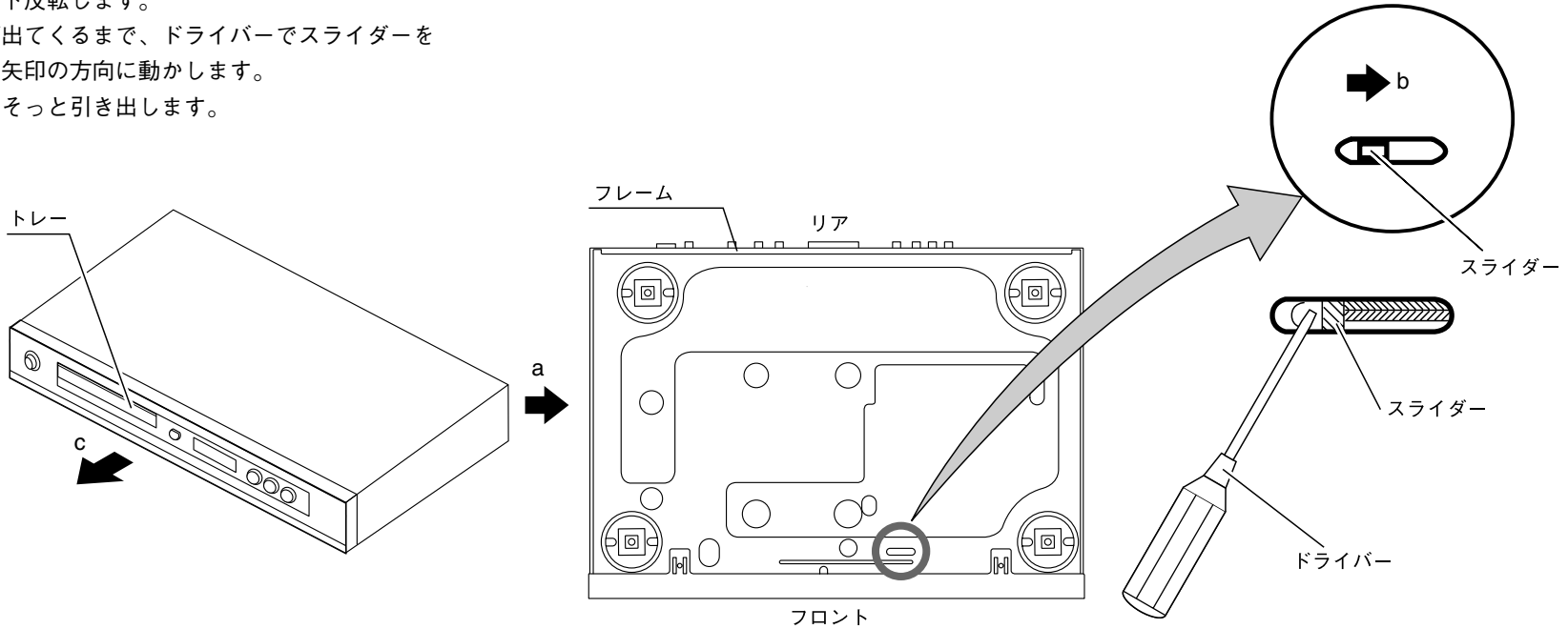
■ 分解手順

項目番号については分解図を参照してください。

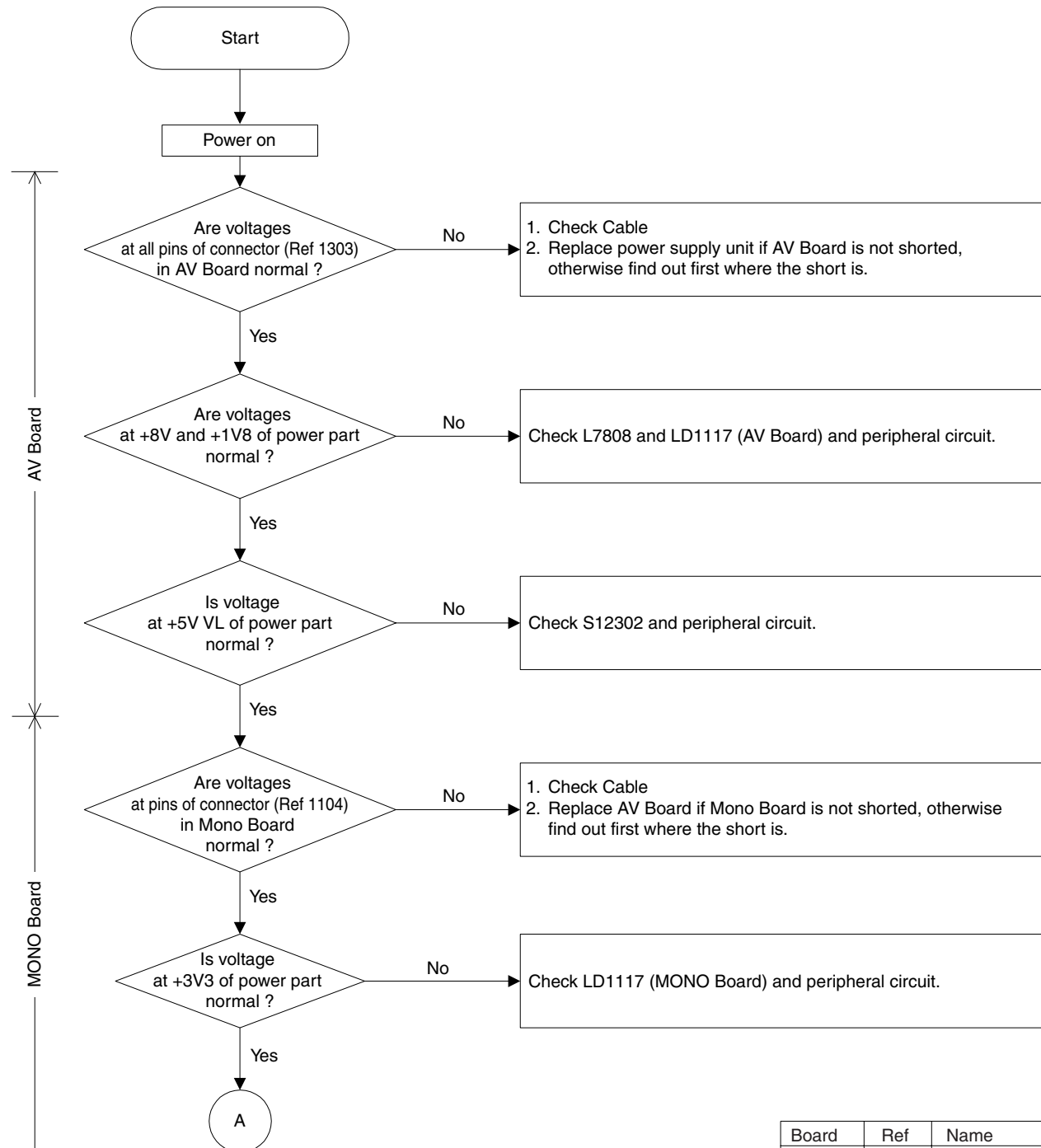


● 手動でトレーを開く方法

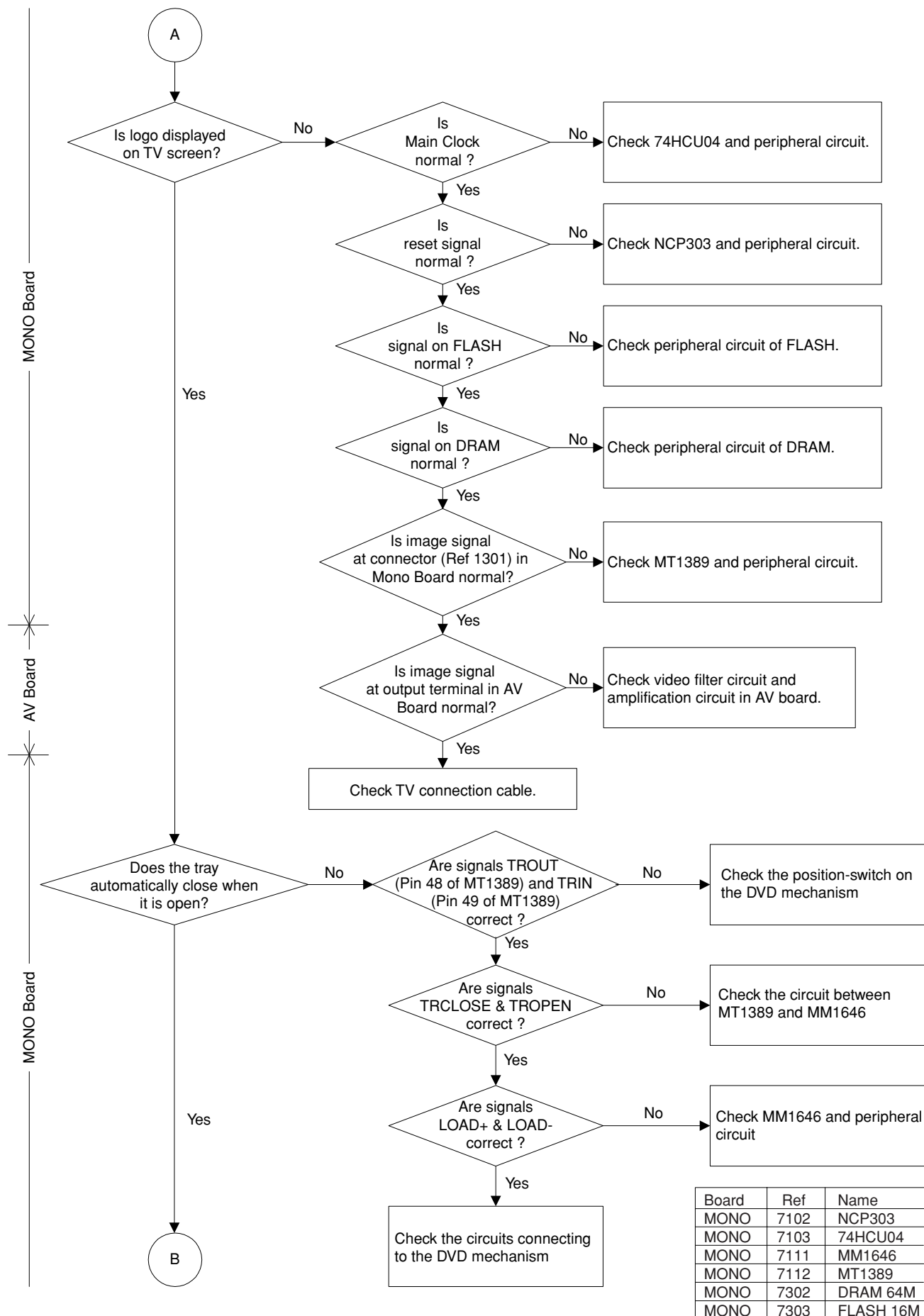
- a. 本体を上下反転します。
- b. トレーが出てくるまで、ドライバーでスライダーを図に示す矢印の方向に動かします。
- c. トレーをそっと引き出します。

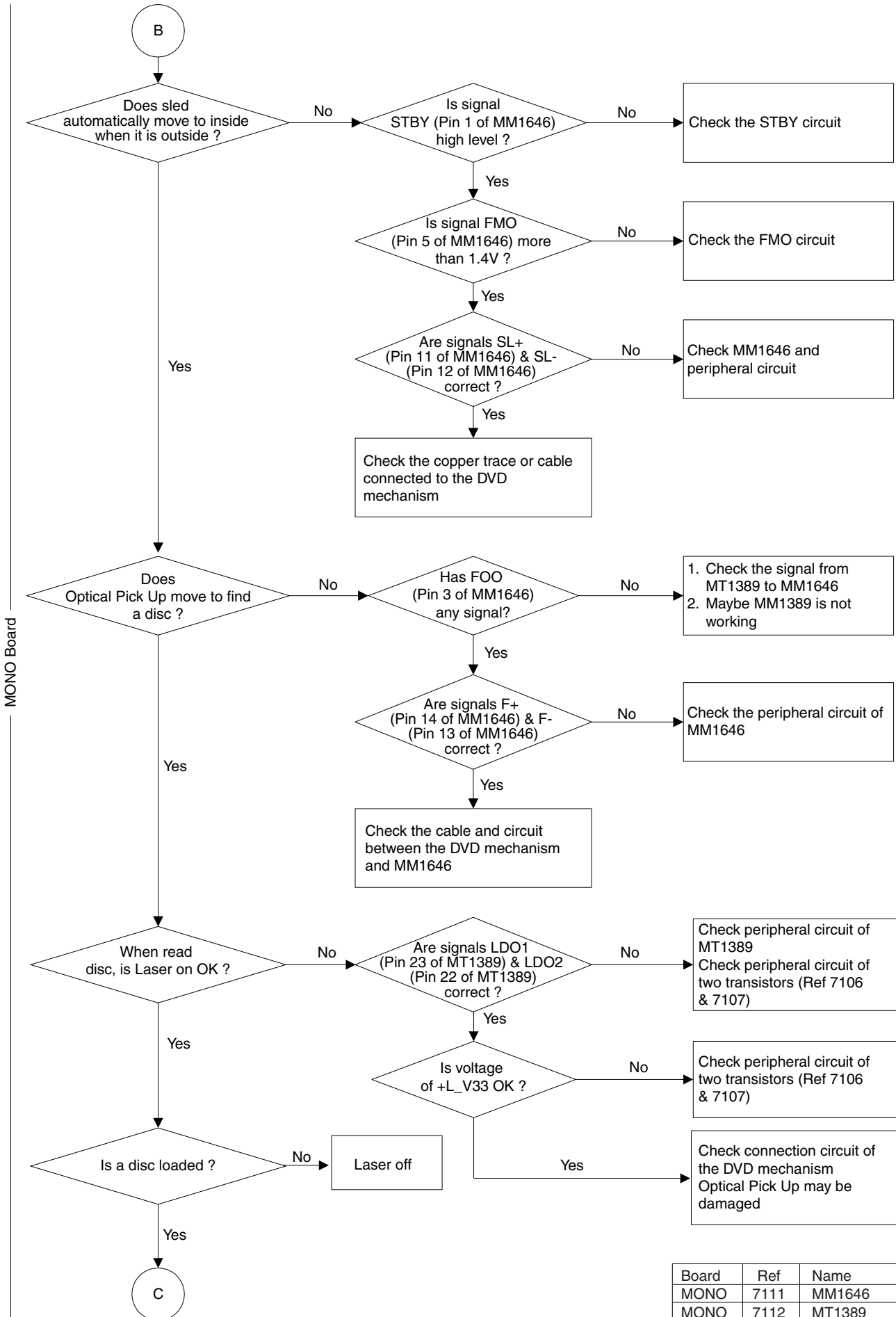


■ MAINTENANCE FLOW CHART

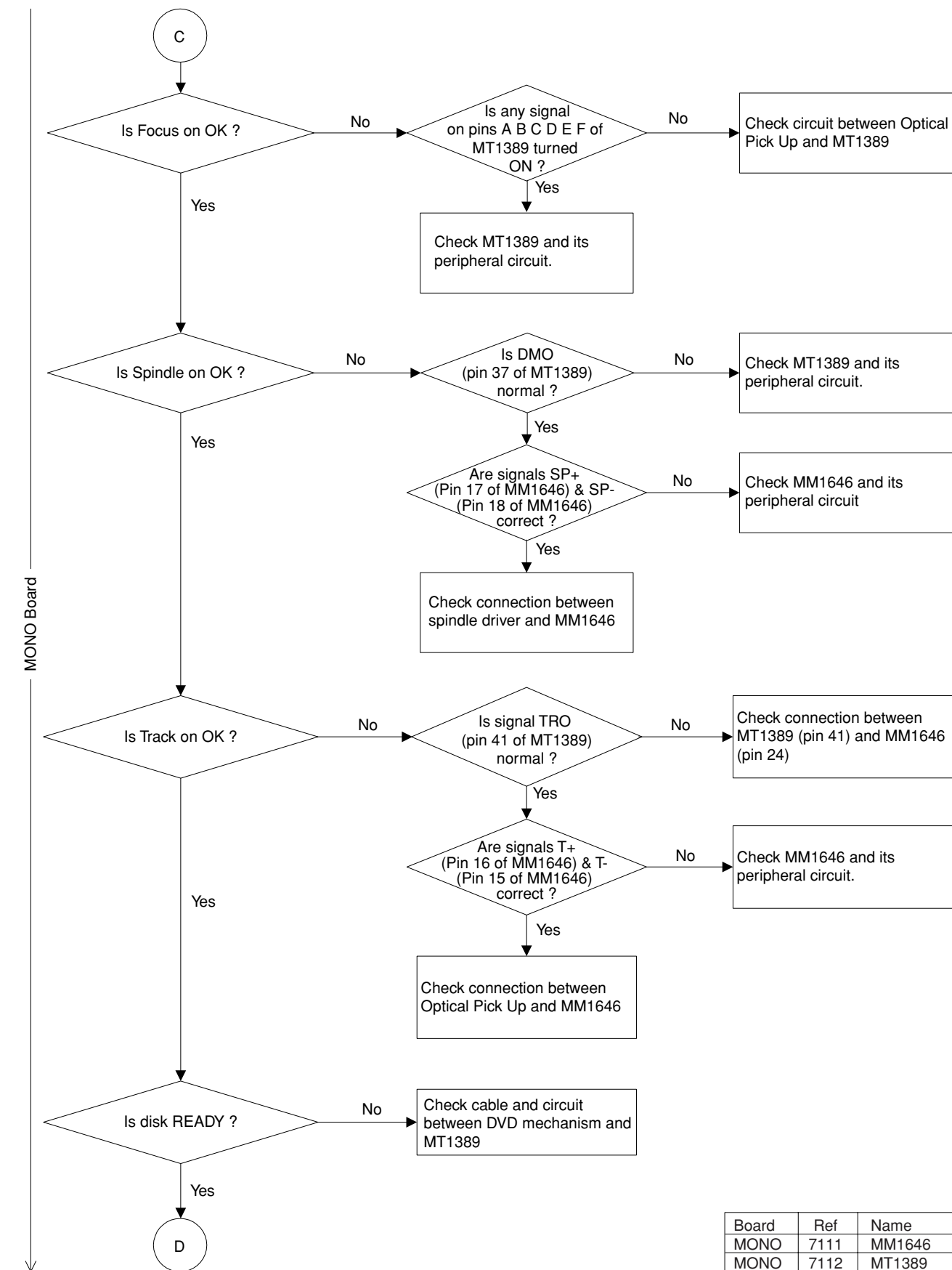


Board	Ref	Name
MONO	7101	LD1117
AV	7301	L7808
AV	7303	LD1117
AV	7306	S12302

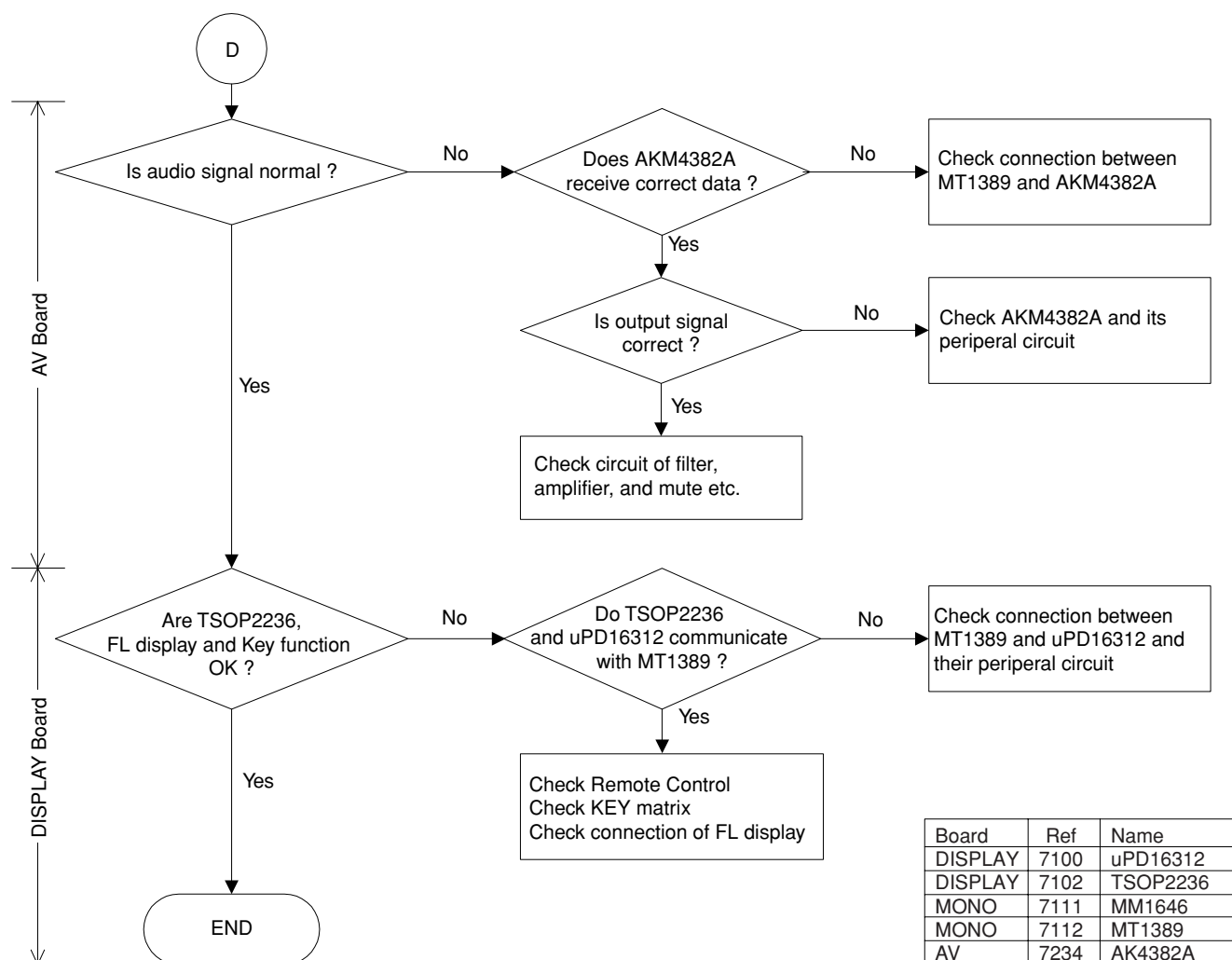




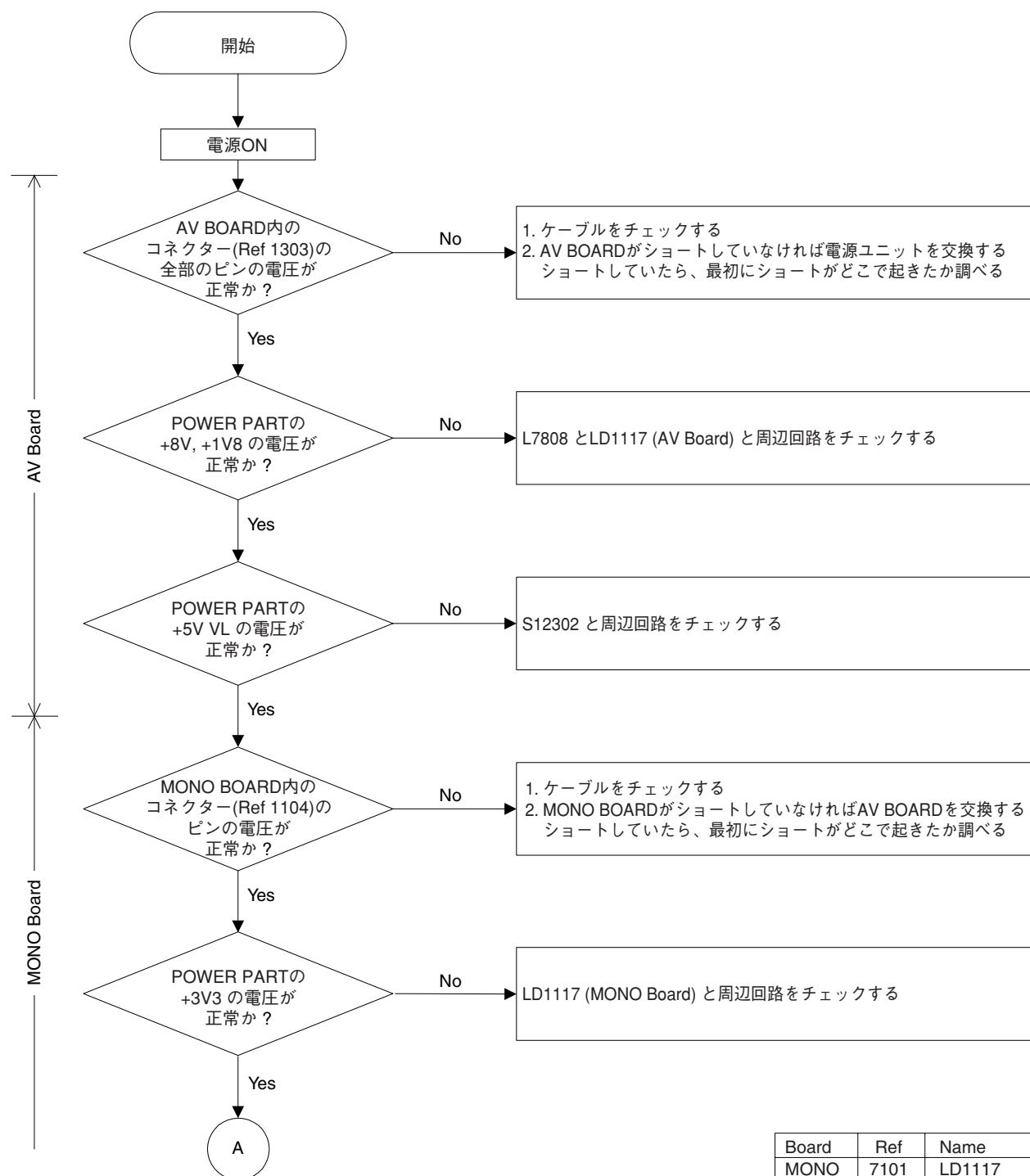
Board	Ref	Name
MONO	7111	MM1646
MONO	7112	MT1389



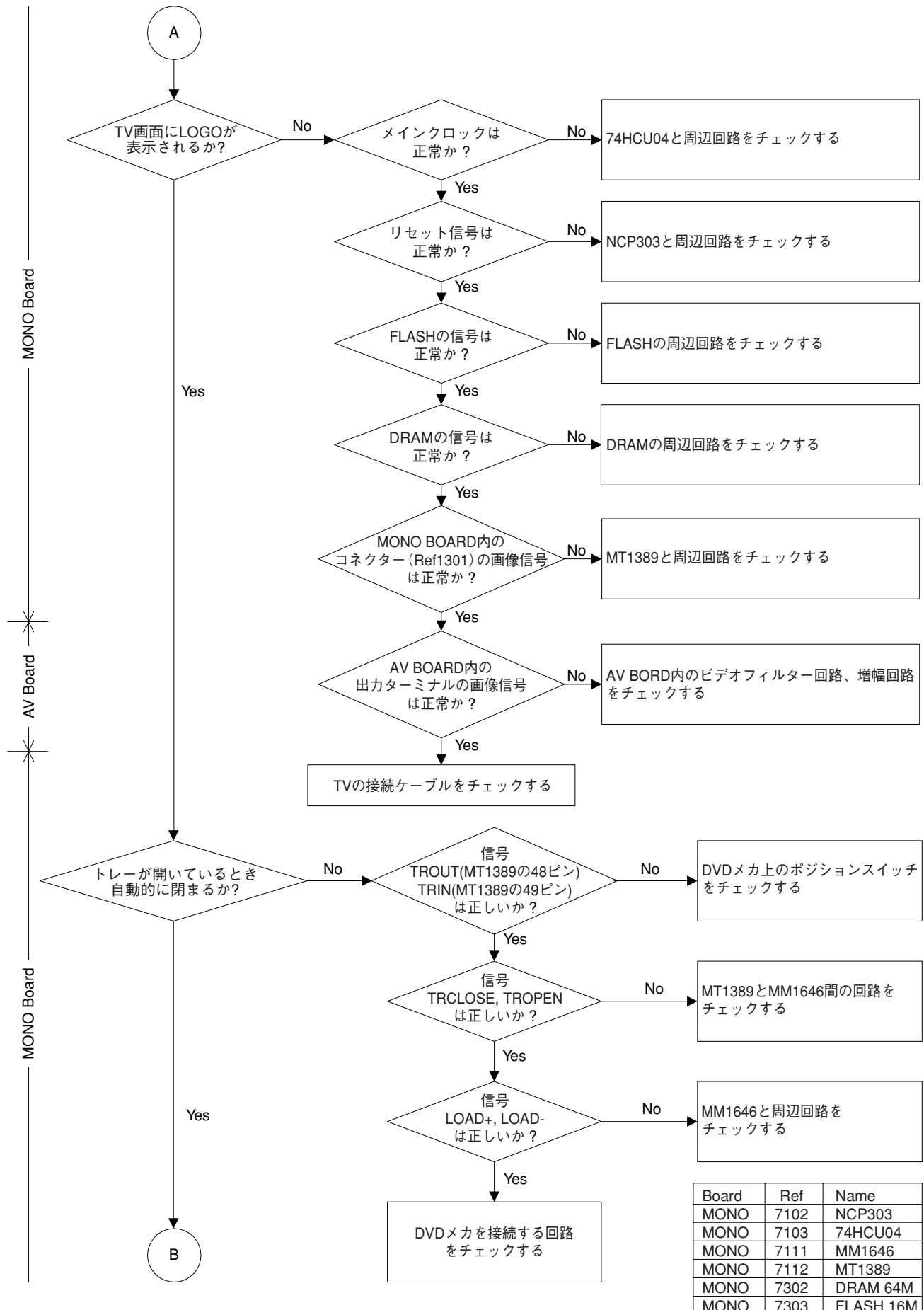
Board	Ref	Name
MONO	7111	MM1646
MONO	7112	MT1389

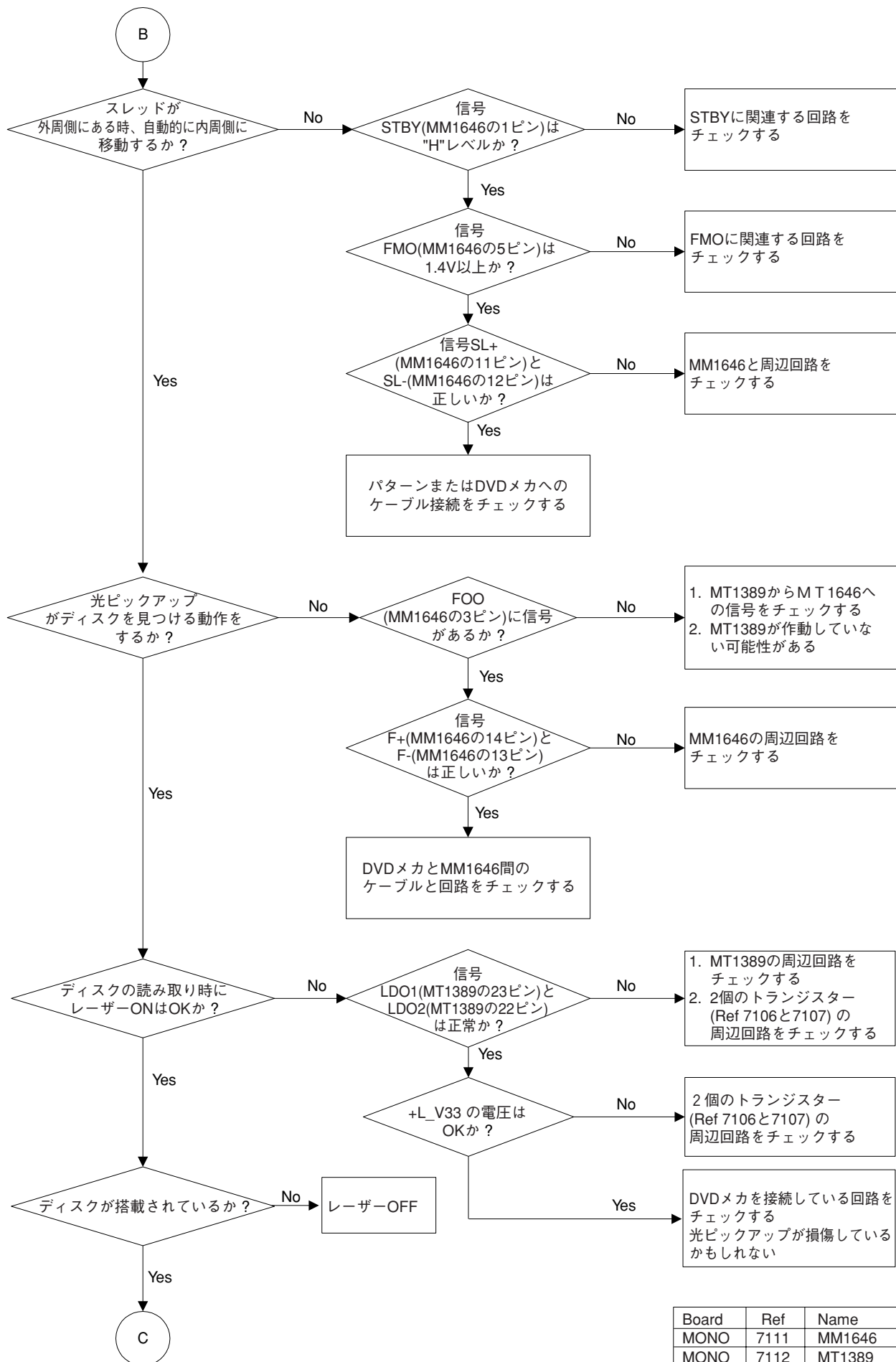


■ メンテナンスフローチャート

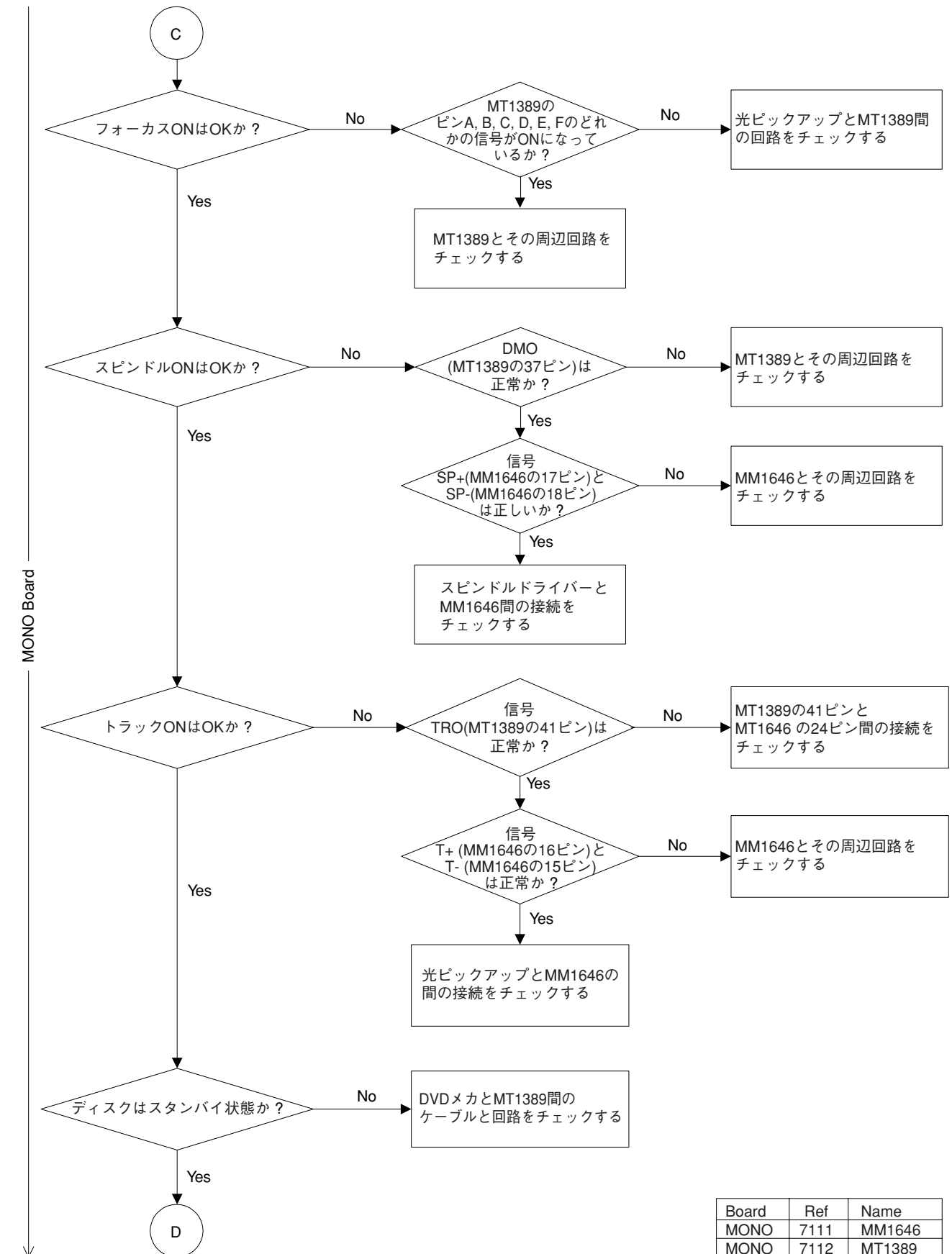


Board	Ref	Name
MONO	7101	LD1117
AV	7301	L7808
AV	7303	LD1117
AV	7306	S12302

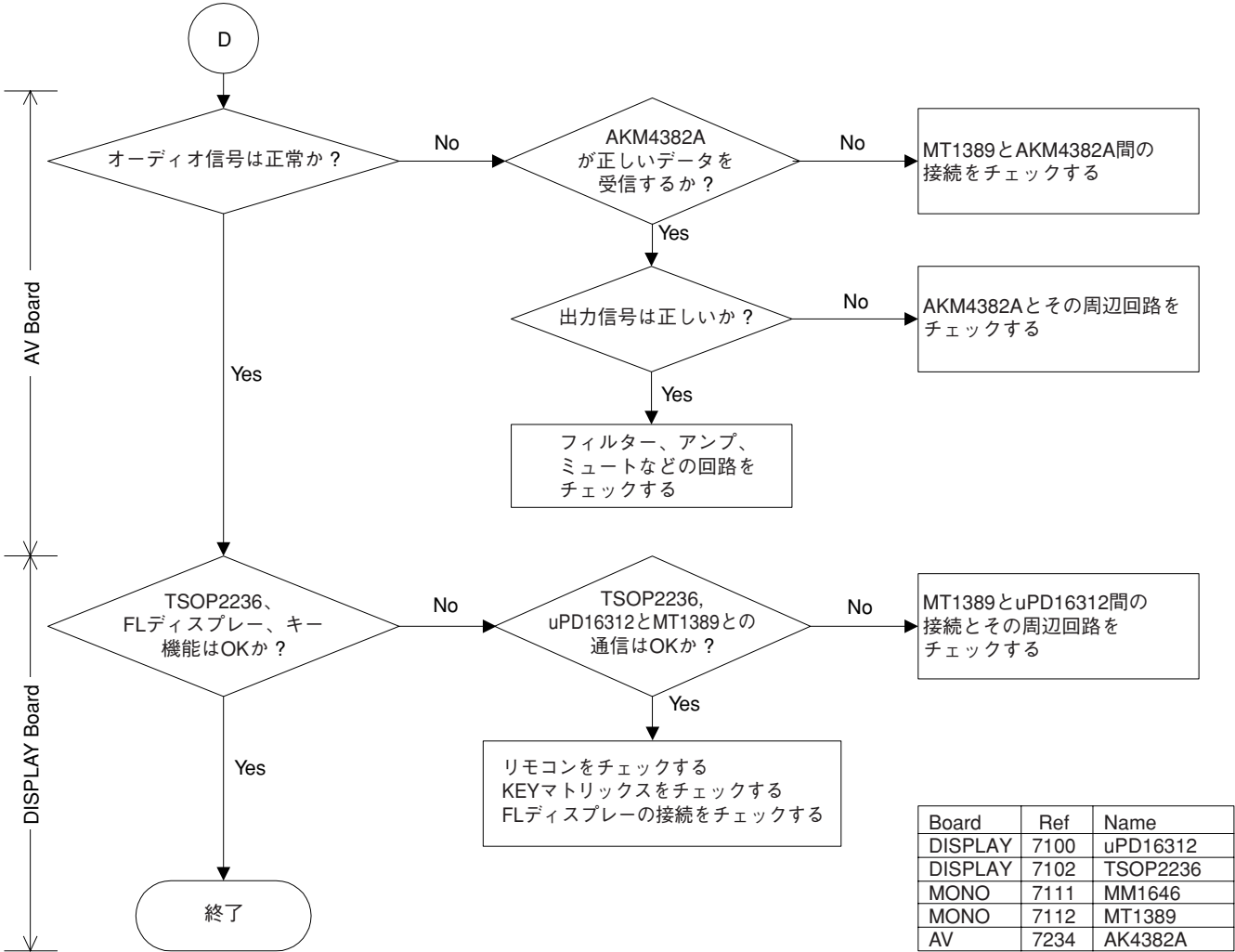




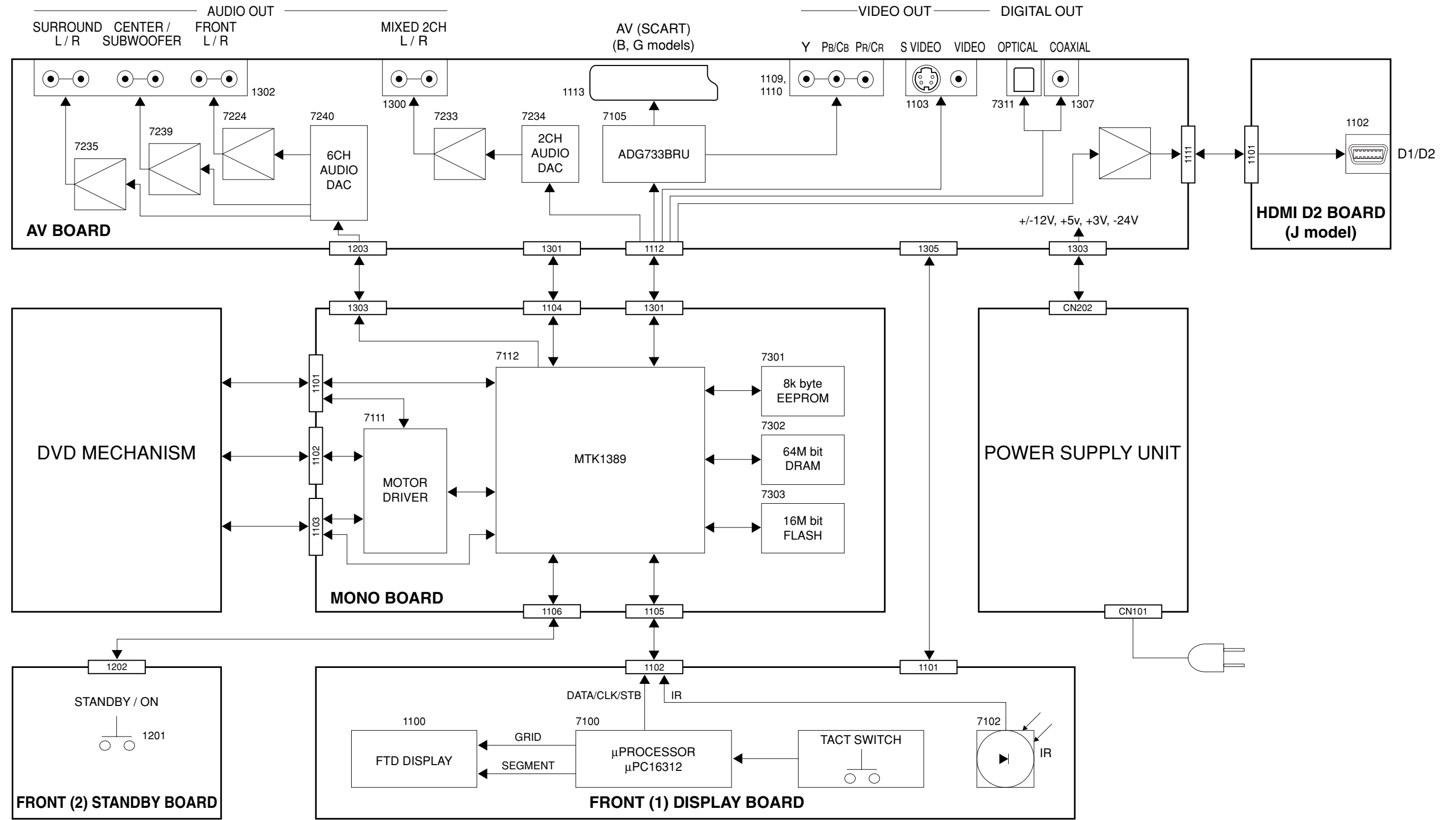
Board	Ref	Name
MONO	7111	MM1646
MONO	7112	MT1389



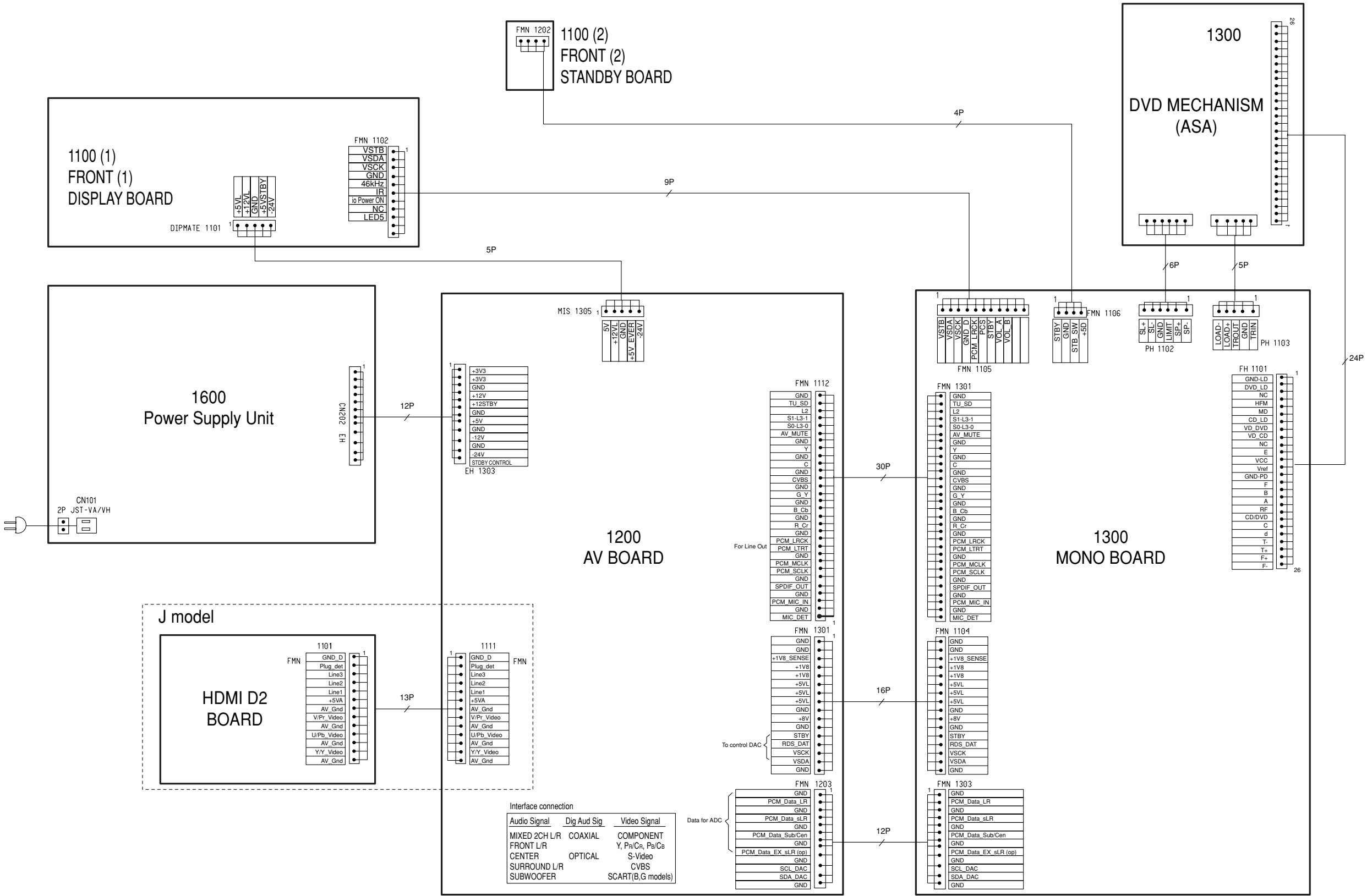
Board	Ref	Name
MONO	7111	MM1646
MONO	7112	MT1389



■ BLOCK DIAGRAM



WIRING DIAGRAM



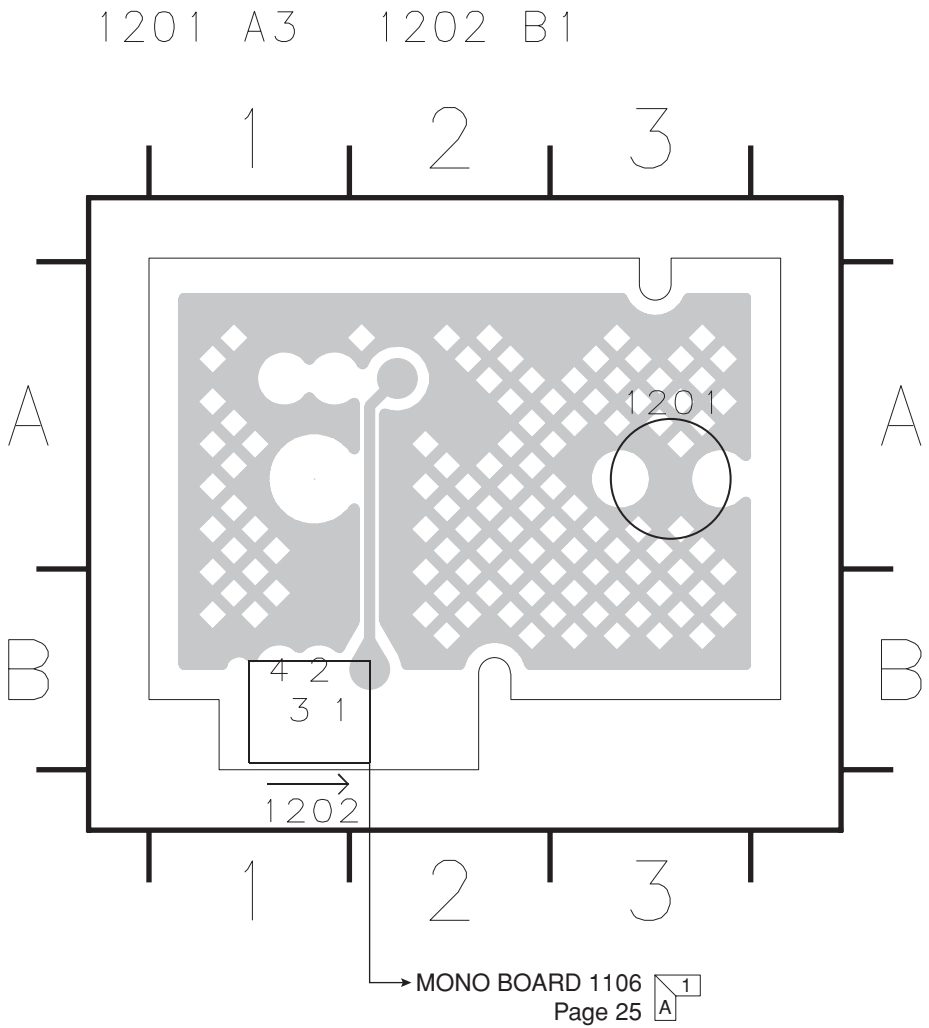
1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper

■ **PRINTED CIRCUIT BOARD**
FOR INFORMATION ONLY (NO SERVICE PARTS WILL BE AVAILABLE)

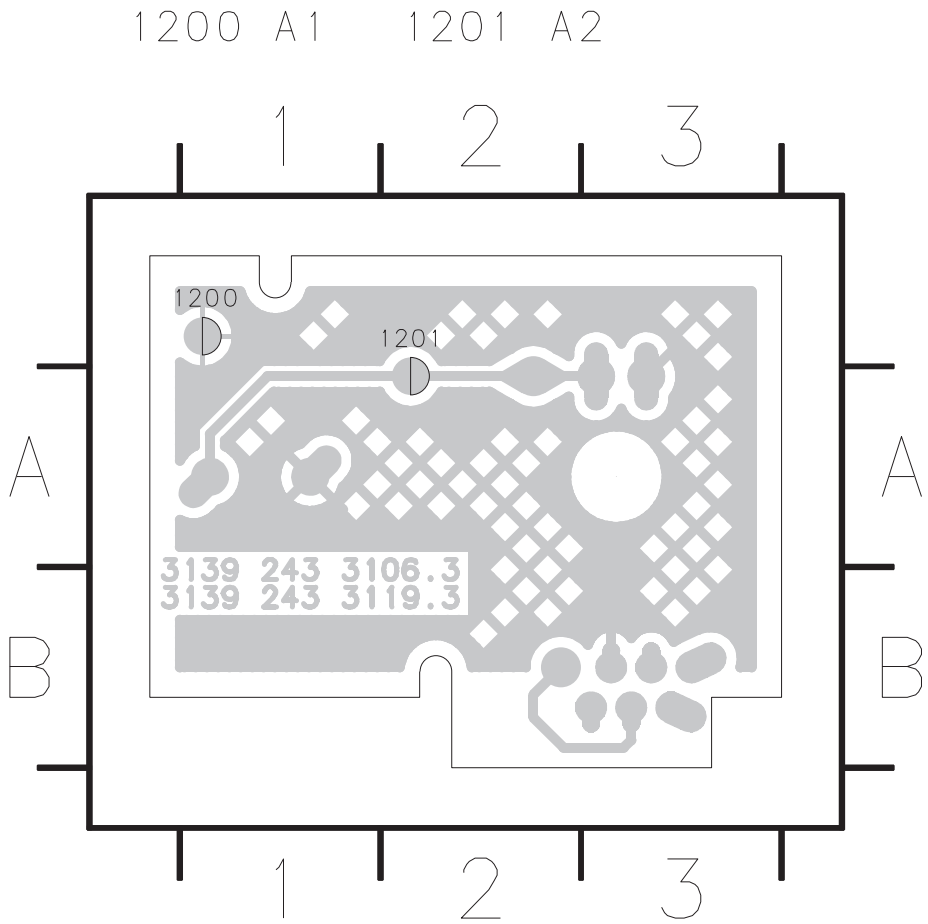
The first digit of a component indicates the component type.

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

FRONT (2) Standby Board-Top View



FRONT (2) Standby Board-Bottom View

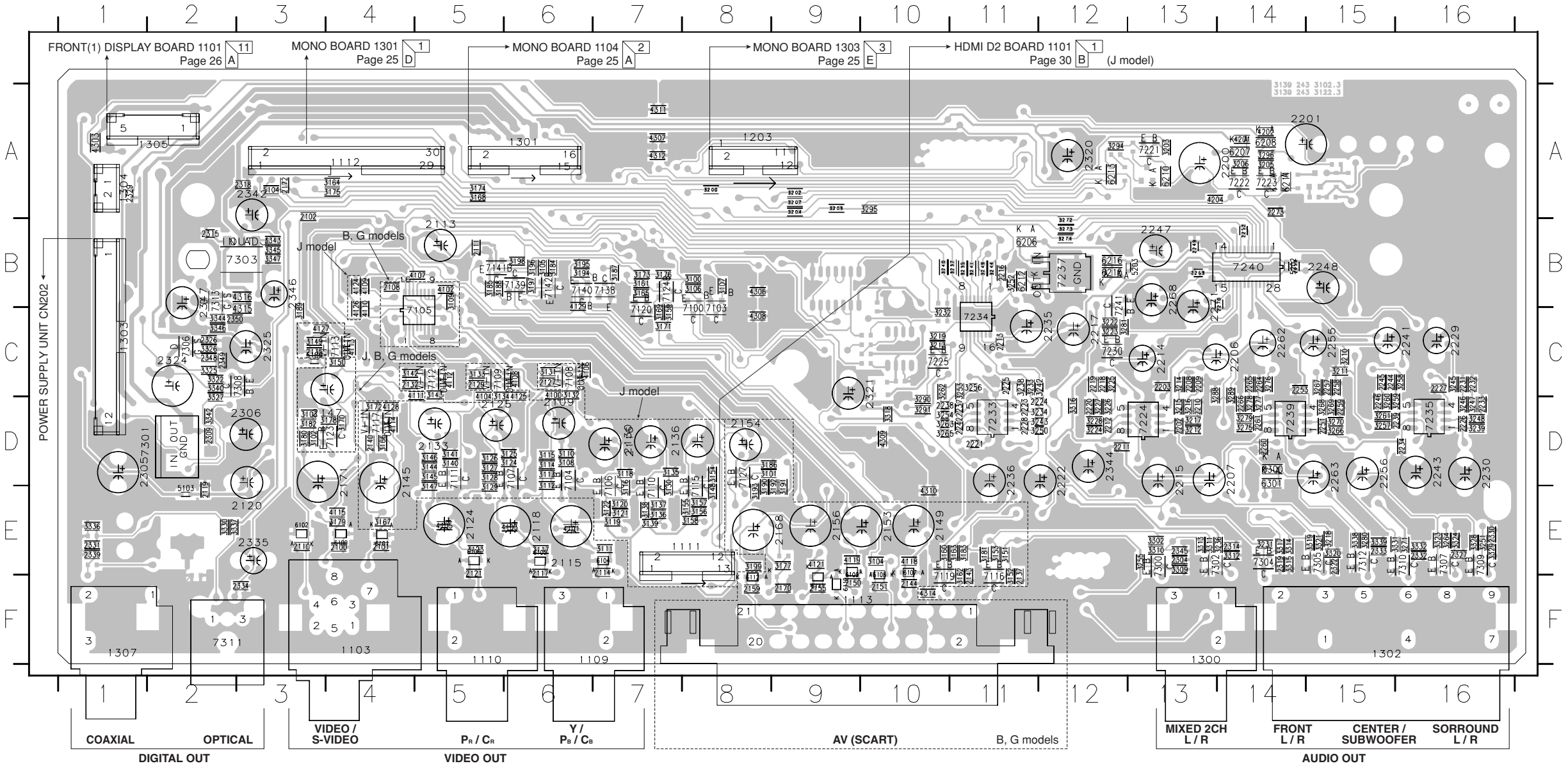


PRINTED CIRCUIT BOARD
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AV Board-Top View

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

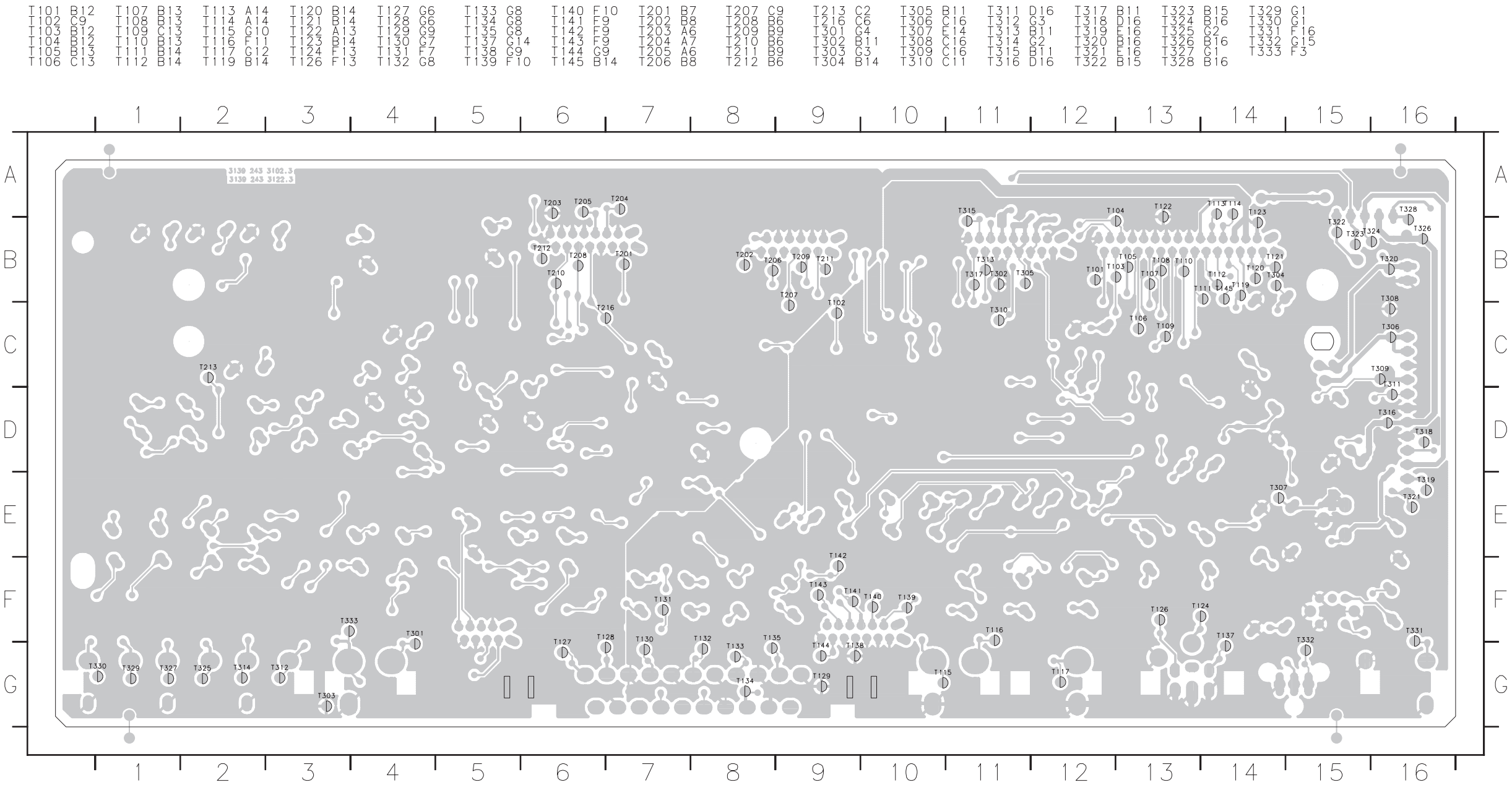
Ref. No.	J	U	R	K	A	P	B	G
2101	X						X	
2115	O						X	
2118	O						X	
2124	O						X	
2172	X						X	
3111	O						O	
3117	O						O	
3123	O						O	
3179	O						O	
4100	X						O	
4101	X						O	
4103	X						O	
4104	X						O	
4105	X						O	
4106	X						O	
4107	O						X	
4107	O						X	
4108	X						O	
4110	O						X	
4111	X						O	
4112	X						O	
4113	X						X	
4114	X						O	
4115	X						X	
6100	X						X	
6101	X						X	
6104	X						X	



■ **PRINTED CIRCUIT BOARD**
FOR INFORMATION ONLY (NO SERVICE PARTS WILL BE AVAILABLE)

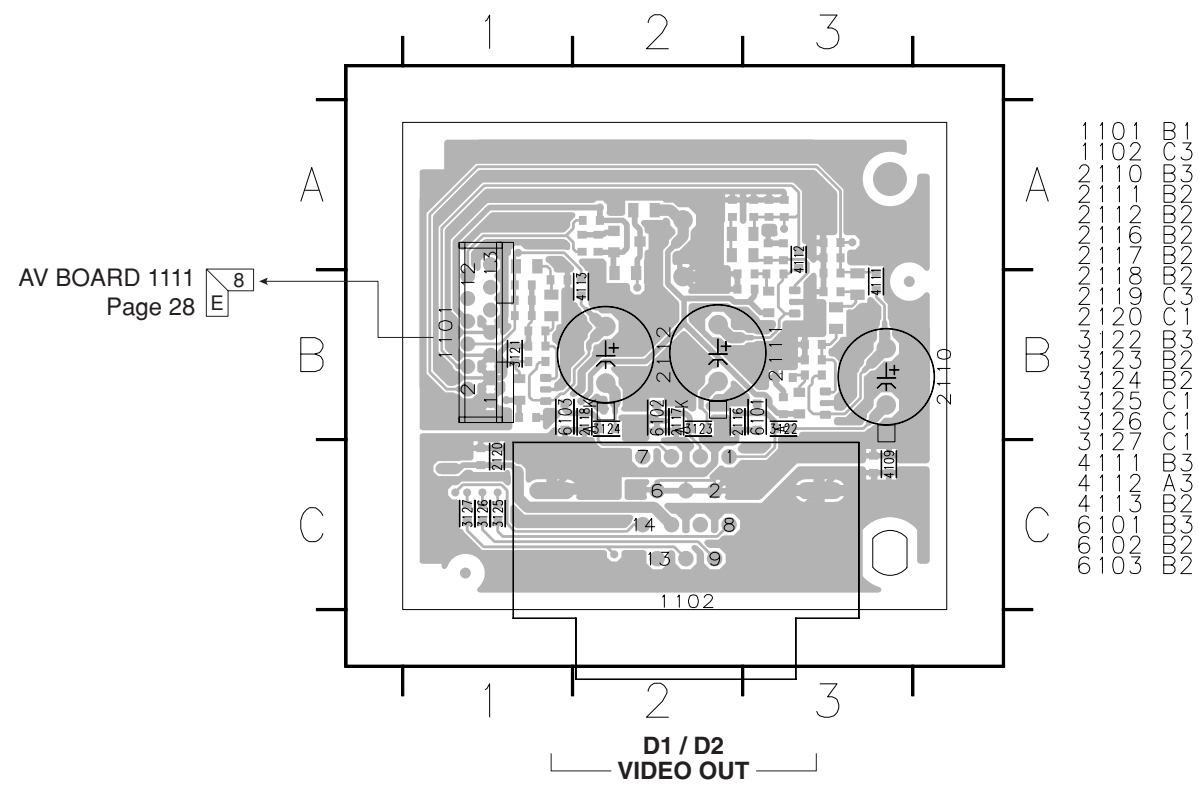
AV Board-Bottom View

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

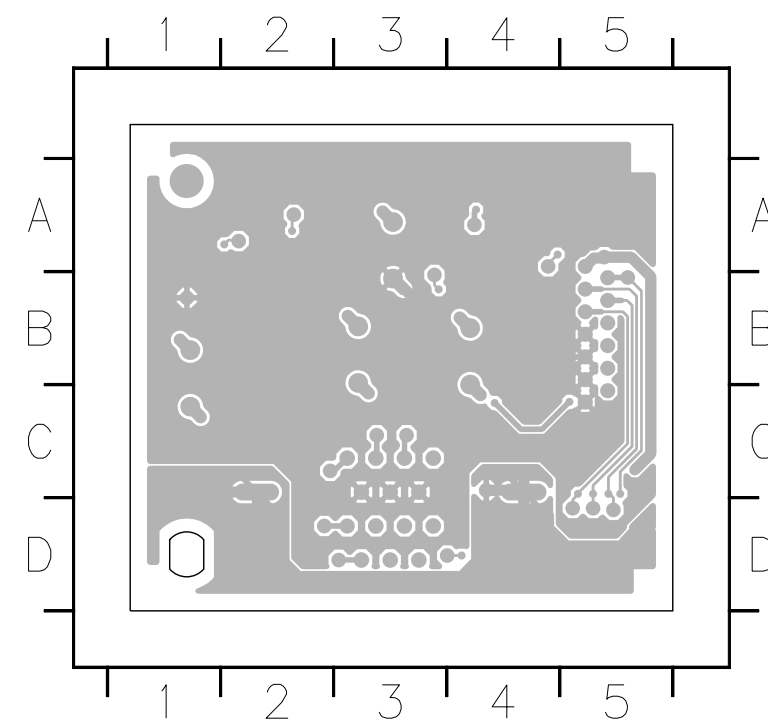


1xxx : Connector	3xxx : Resistor	5xxx : Coil	7xxx : IC, Transistor, FET
2xxx : Capacitor	4xxx : SMD jumper	6xxx : Diode	9xxx : Wire jumper

J model



J model

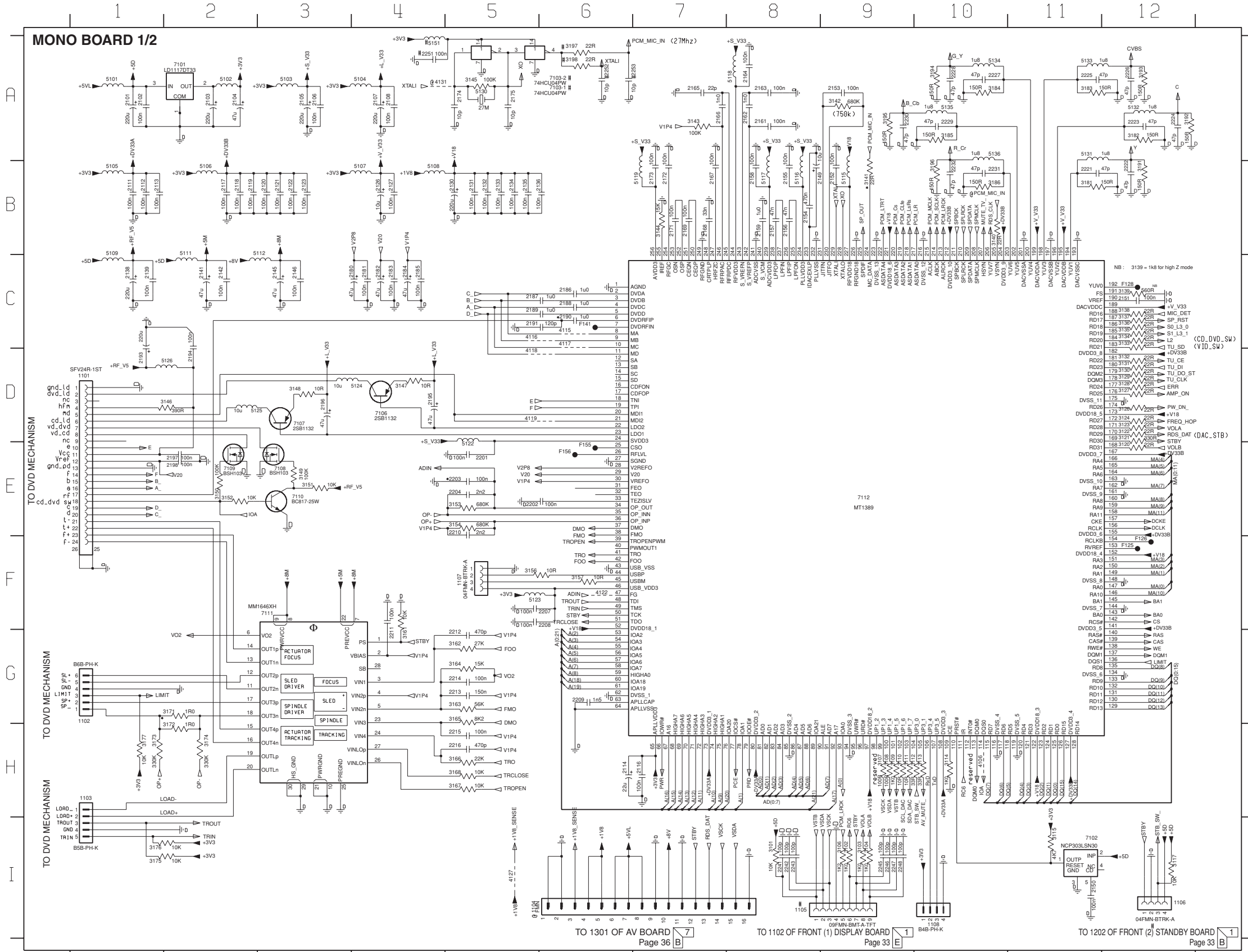


SCHEMATIC DIAGRAM

FOR INFORMATION ONLY (NO SERVICE PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



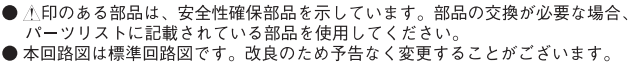
★ Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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This schematic diagram is subject to change without notice.

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

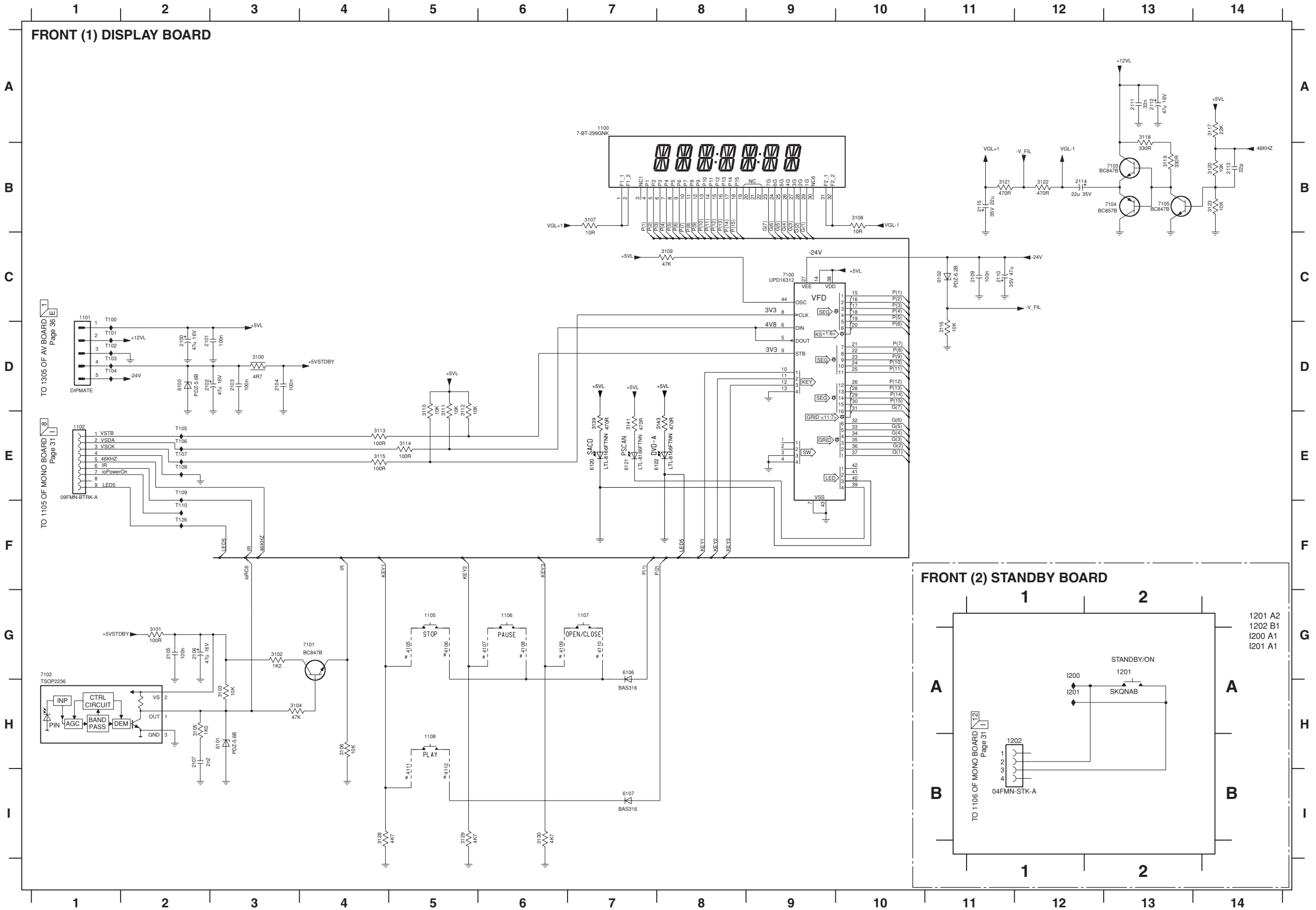


SCHEMATIC DIAGRAM

FOR INFORMATION ONLY (NO SERVICE PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



- 1100 A7
1101 C1
1102 E1
1103 A1
1104 C1
1105 G5
1106 G6
1107 G7
1108 H5
2100 D2
2101 D2
2102 D2
2103 D3
2104 D3
2105 G2
2106 G2
2107 H2
2109 C11
2110 C11
2111 A13
2112 A13
2113 B14
2114 B12
2115 B11
3100 D3
3101 G2
3102 G3
3103 H3
3104 H3
3105 H3
3106 H4
3107 B7
3108 B10
3109 C8
3110 D5
3111 D5
3112 D5
3113 E4
3114 E5
3115 E4
3116 D11
3117 A14
3118 A13
3119 B13
3120 B14
3121 B11
3122 B12
3123 B14
3128 I4
3129 I5
3130 I6
3132 G10
3139 E7
3141 E7
3143 E8
4103 H5
4105 G5
4106 G5
4107 G6
4108 G6
4109 G6
4110 G7
4111 H5
4112 H5
6100 D2
6101 H3
6102 C11
6106 G7
6107 I7
6120 E7
6121 E7
6122 E8
7100 C9
7101 G4
7102 G1
7103 B13
7104 B13
7105 B13
7106 G11
T100 C1
T101 D1
T102 D1
T103 D1
T104 D1
T105 E2
T106 E2
T107 E2
T108 E2
T109 E2
T110 F2
T111 A2
T112 A2
T113 A2
T114 A2
T115 A2
T116 A2
T117 A2
T118 A2
T119 B2
T120 B2
T121 B2
T122 B2
T123 B2
T124 B2
T125 B2
T126 F2

★ 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.

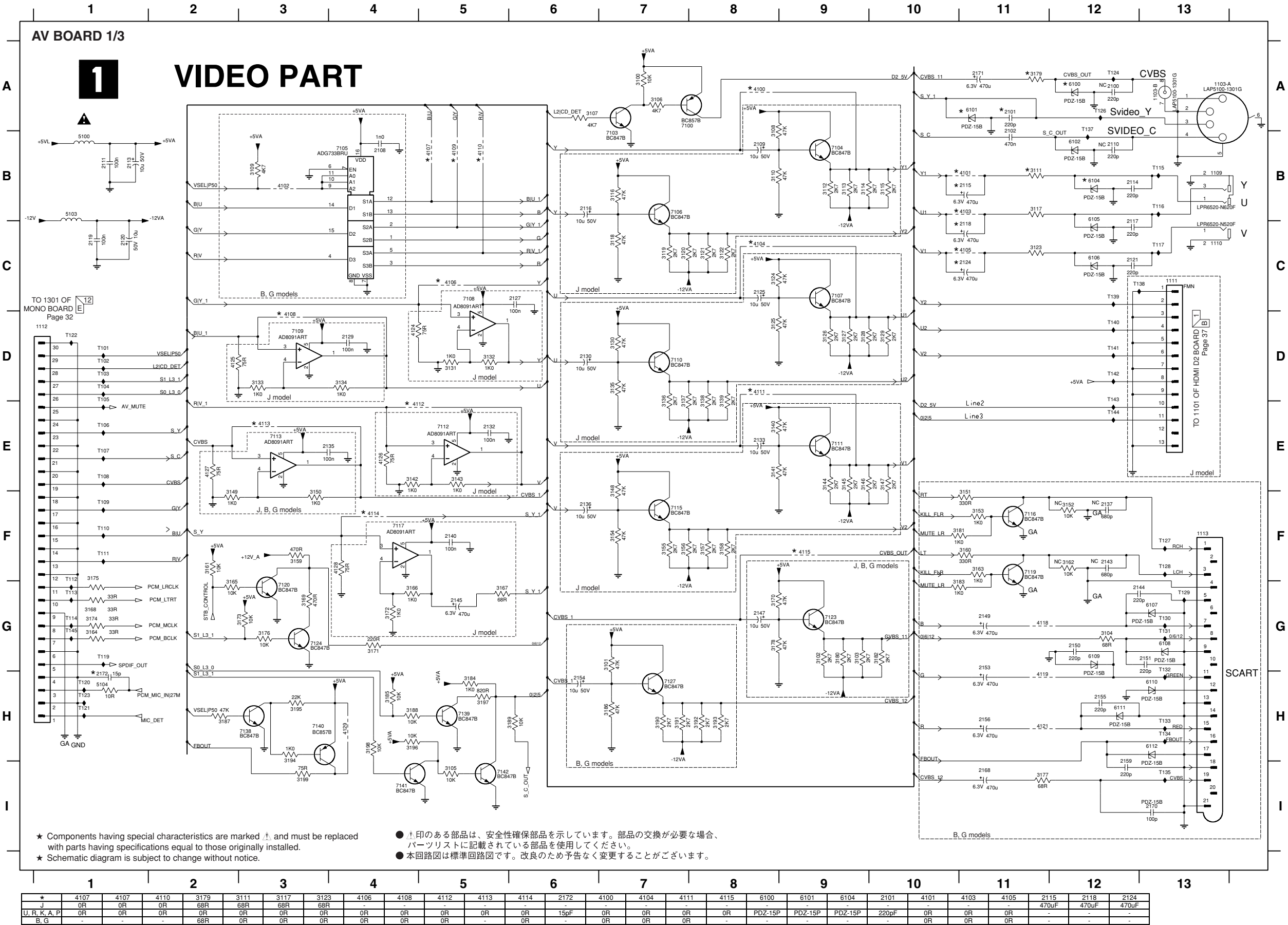
● 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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SCHEMATIC DIAGRAM

FOR INFORMATION ONLY (NO SERVICE PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



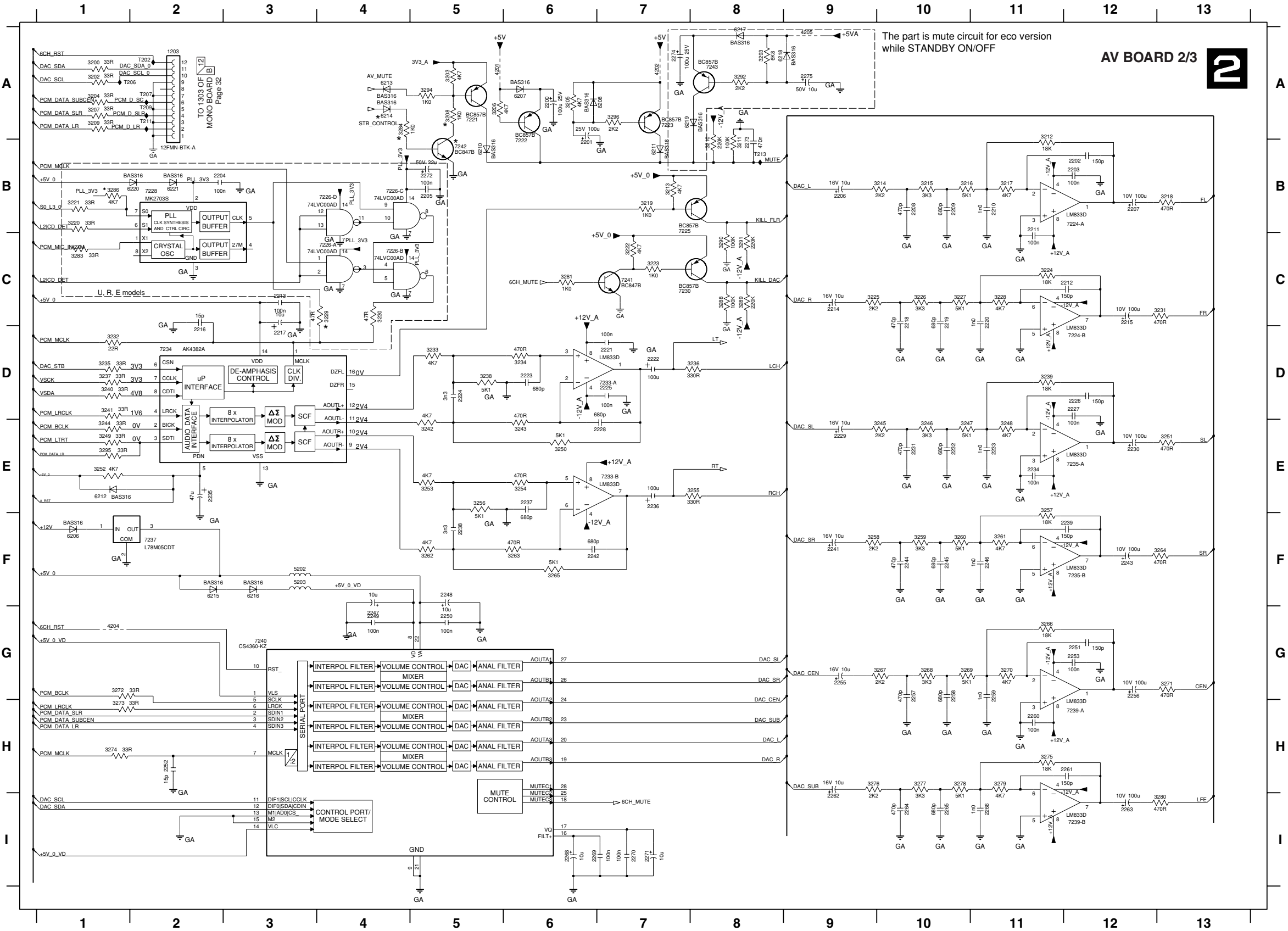
- 1103-A A13
- 1103-B A13
- 1109 B13
- 1110 C13
- 1111 C13
- 1112 D1
- 1113 F13
- 2100 A12
- 2101 A11
- 2102 B11
- 2108 B4
- 2109 B8
- 2110 B12
- 2111 B1
- 2113 B1
- 2114 B12
- 2115 B11
- 2116 B6
- 2117 C12
- 2118 C11
- 2119 C1
- 2120 C1
- 2121 C12
- 2124 C11
- 2125 C8
- 2127 C6
- 2129 D4
- 2130 D6
- 2132 E5
- 2133 E8
- 2135 E3
- 2136 F6
- 2137 F12
- 2140 F5
- 2143 F12
- 2144 G12
- 2145 G5
- 2147 G8
- 2149 G11
- 2150 G12
- 2151 G13
- 2153 G11
- 2154 H6
- 2155 H12
- 2156 H11
- 2159 I12
- 2168 H1
- 2170 I13
- 2171 A11
- 2172 H1
- 3100 A7
- 3101 G7
- 3102 G9
- 3103 G9
- 3104 G12
- 3105 I5
- 3106 A7
- 3107 A6
- 3108 A8
- 3109 B3
- 3110 B8
- 3111 B11
- 3112 B9
- 3113 B9
- 3114 B9
- 3115 B10
- 3116 B7
- 3117 B11
- 3118 C7
- 3119 C7
- 3120 C7
- 3121 C8
- 3122 C8
- 3123 C11
- 3124 C8
- 3125 D8
- 3126 D9
- 3127 D9
- 3128 D9
- 3129 D10
- 3130 D7
- 3131 D5
- 3132 D5
- 3133 D3
- 3134 D4
- 3135 D7
- 3136 D7
- 3137 D7
- 3138 D8
- 3139 D8
- 3140 E8
- 3141 E8
- 3142 E4
- 3143 E5
- 3144 E9
- 3145 E9
- 3146 E9
- 3147 E10
- 3148 E7
- 3149 F2
- 3150 F3
- 3151 F11
- 3152 F12
- 3153 F11
- 3154 F7
- 3155 F7
- 3156 F7
- 3157 F8
- 3158 F8
- 3159 F3
- 3160 F11
- 3161 F2
- 3162 F12
- 3163 F11
- 3164 G1
- 3165 G2
- 3166 G4
- 3167 G5
- 3168 G1
- 3169 G3
- 3170 G4
- 3171 G4
- 3172 G4
- 3173 G3
- 3174 G1
- 3175 F1
- 3176 G3
- 3177 H1
- 3178 G8
- 3179 A11
- 3180 G9
- 3181 F10
- 3182 G10
- 3183 G10
- 3184 H5
- 3185 H4
- 3186 H7
- 3187 H2
- 3188 H4
- 3189 H6
- 3190 H7
- 3191 H7
- 3192 H8
- 3193 H8
- 3194 H3
- 3195 H3
- 3196 H4
- 3197 H5
- 3198 H4
- 3199 I3
- 4100 A8
- 4101 B11
- 4102 B3
- 4103 B11
- 4104 C8
- 4105 C11
- 4106 C5
- 4107 B5
- 4108 D3
- 4109 B5
- 4110 B5
- 4111 D8
- 4112 E4
- 4113 E3
- 4114 F4
- 4115 F9
- 4118 G11
- 4119 H11
- 4121 H11
- 4124 D4
- 4125 D2
- 4126 E4
- 4127 E2
- 4128 F4
- 4129 H4
- 5100 B1
- 5103 B1
- 5104 H1
- 6100 A12
- 6101 A11
- 6102 B12
- 6104 B12
- 6105 B12
- 6106 C12
- 6107 G13
- 6108 G13
- 6109 G12
- 6110 H13
- 6111 H12
- 6112 H13
- 7100 A8
- 7103 B7
- 7104 B9
- 7105 B4
- 7106 B7
- 7107 C9
- 7108 C5
- 7109 D3
- 7110 D7
- 7111 E9
- 7112 E5
- 7113 E3
- 7115 F7
- 7116 F11
- 7117 F4
- 7119 F11
- 7120 G3
- 7123 G9
- 7124 G3
- 7127 H7
- 7138 H3
- 7139 H5
- 7140 H3
- 7141 I4
- 7142 I5
- 7101 D1
- 7102 D1
- 7103 D1
- 7104 D1
- 7105 D1
- 7106 E1
- T101
- T102
- T103
- T104
- T105
- T106
- T107
- T108
- T109
- T110
- T111
- T112
- T113
- T114
- T115
- T119
- T120
- T121
- T122
- T123
- T124
- T126
- T127
- T128
- T129
- T130
- T131
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- T133
- T134
- T135
- T137
- T138
- T139
- T140
- T141
- T142
- T143
- T144
- T145
- T107 E1
- T108 E1
- T109 F1
- T110 F1
- T111 F1
- T112 F1
- T113 G1
- T114 G1
- T115 B13
- T116 B13
- T117 C13
- T119 G1
- T120 H1
- T121 H1
- T122 H1
- T123 H1
- T124 A12
- T126 A12
- T127 F13
- T129 G13
- T130 G13
- T131 G13
- T132 G13
- T133 H13
- T134 H13
- T135 H13
- T137 A12
- T138 C12
- T139 H7
- T140 D12
- T141 D12
- T142 D12
- T143 D12
- T144 E12
- T145 G1

SCHEMATIC DIAGRAM

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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



1203 A2	3239 D11
2200 A6	3240 D1
2201 B6	3241 D1
2202 B12	3242 E5
2203 B12	3243 E6
2204 B2	3244 E1
2205 B5	3245 E10
2206 B9	3246 E10
2207 B12	3247 E10
2208 B10	3248 E11
2209 B10	3249 E1
2210 B11	3250 E6
2211 B11	3251 E13
2212 C12	3252 E1
2213 C3	3253 E5
2214 C9	3254 E6
2215 C12	3255 E8
2216 D2	3256 E5
2217 D3	3257 E11
2218 D10	3258 F9
2219 C10	3259 F10
2220 C11	3260 F10
2221 D7	3261 F11
2222 D7	3262 F5
2223 D6	3263 F6
2224 D5	3264 F13
2225 D7	3265 F6
2226 D12	3266 G11
2227 D12	3267 G10
2228 E7	3268 G10
2229 E9	3269 G10
2230 E12	3270 G11
2231 E10	3271 G13
2232 E10	3272 G1
2233 E11	3273 H1
2234 E11	3274 H1
2235 E2	3275 H11
2236 E7	3276 H9
2237 E6	3277 H10
2238 F5	3278 H10
2239 F12	3279 H11
2241 F9	3280 I13
2242 F6	3281 C6
2243 F12	3283 C1
2244 F10	3284 A4
2245 F10	3286 B1
2246 F11	3288 C8
2247 G4	3289 C8
2248 F5	3290 C8
2249 G4	3291 C8
2250 G5	3292 A8
2251 G12	3293 A8
2252 H2	3294 A5
2253 G12	3295 E1
2255 G9	3296 A7
2256 G12	4201 A5
2257 G10	4202 A7
2258 G10	4204 G1
2259 G11	4205 A9
2260 H11	5202 F3
2261 H12	5203 F3
2262 I9	6206 F1
2263 I12	6207 A6
2264 I10	6208 A7
2265 I10	6210 B5
2266 I11	6211 B7
2268 I6	6212 E1
2269 I6	6213 A4
2270 I7	6214 A4
2271 I7	6215 F2
2272 B5	6216 F3
2273 B8	6217 A8
2274 A7	6218 A8
2275 A9	6219 A7
3200 A1	6220 B2
3202 A1	6221 B2
3203 A5	7221 A5
3204 A1	7222 A6
3205 A6	7223 A7
3206 A5	7224-A B12
3207 A1	7224-B D12
3208 A5	7225 B7
3209 A1	7226-A C4
3210 B8	7226-B C4
3211 B8	7226-C B4
3212 A11	7226-D B4
3213 B7	7228 B1
3214 B10	7230 C7
3215 B10	7233-A D7
3216 B10	7233-B E7
3217 B11	7234 D2
3218 B13	7235-A E12
3219 B7	7235-B F12
3220 B1	7237 F2
3221 B1	7239-A H12
3222 C7	7239-B I12
3223 C7	7240 G3
3224 C11	7241 C7
3225 C9	7242 B5
3226 C10	7243 A8
3227 C10	T202 A2
3228 C11	T202 A1
3229 C4	T207 A2
3230 C4	T209 A2
3231 C13	T211 A2
3232 D1	T213 B8
3233 D5	
3234 D6	
3235 D1	
3236 D8	
3237 D1	
3238 D5	

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★ Schematic diagram is subject to change without notice.

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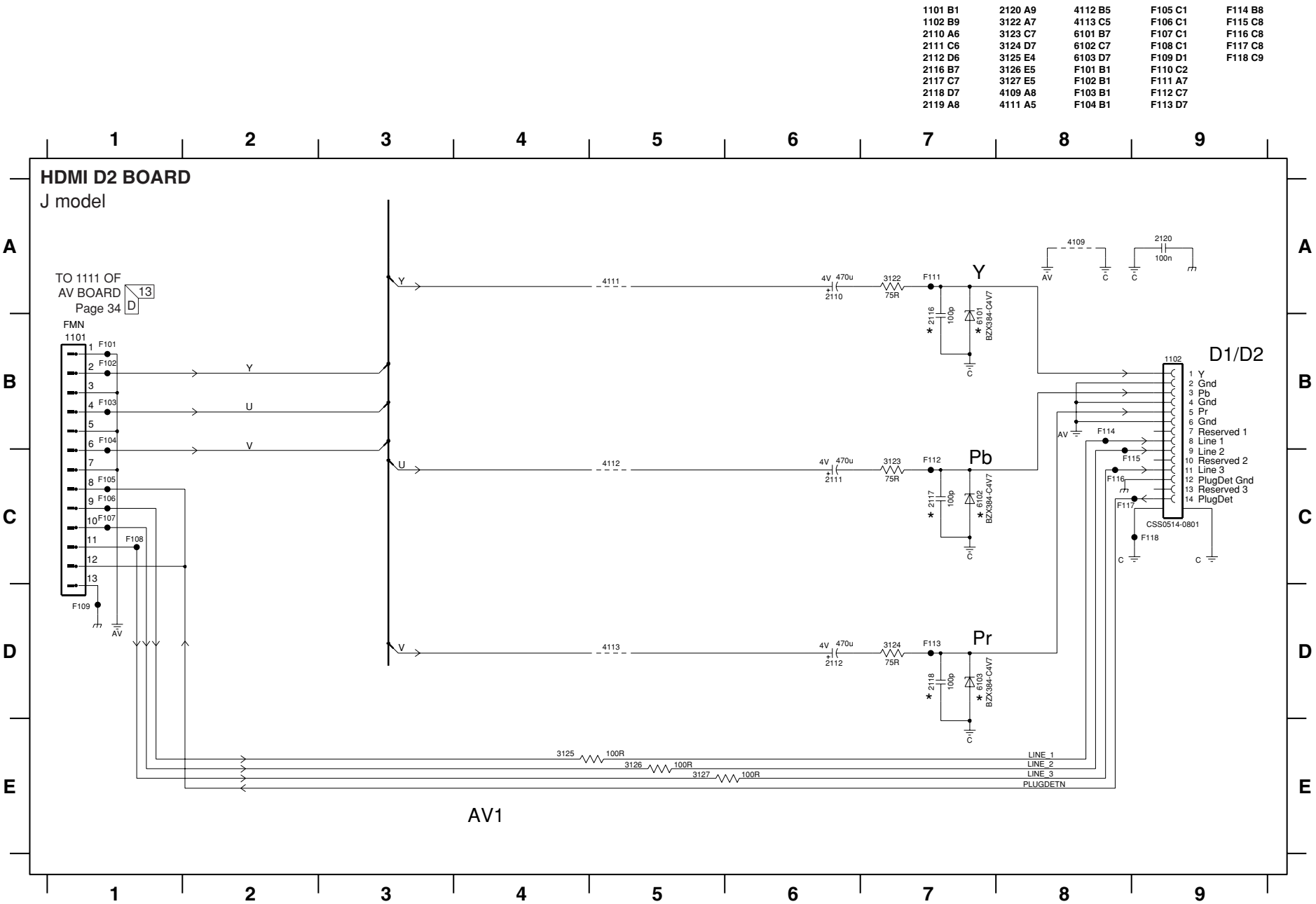
9xxx : Wire jumper

■ SCHEMATIC DIAGRAM

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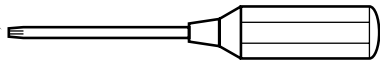
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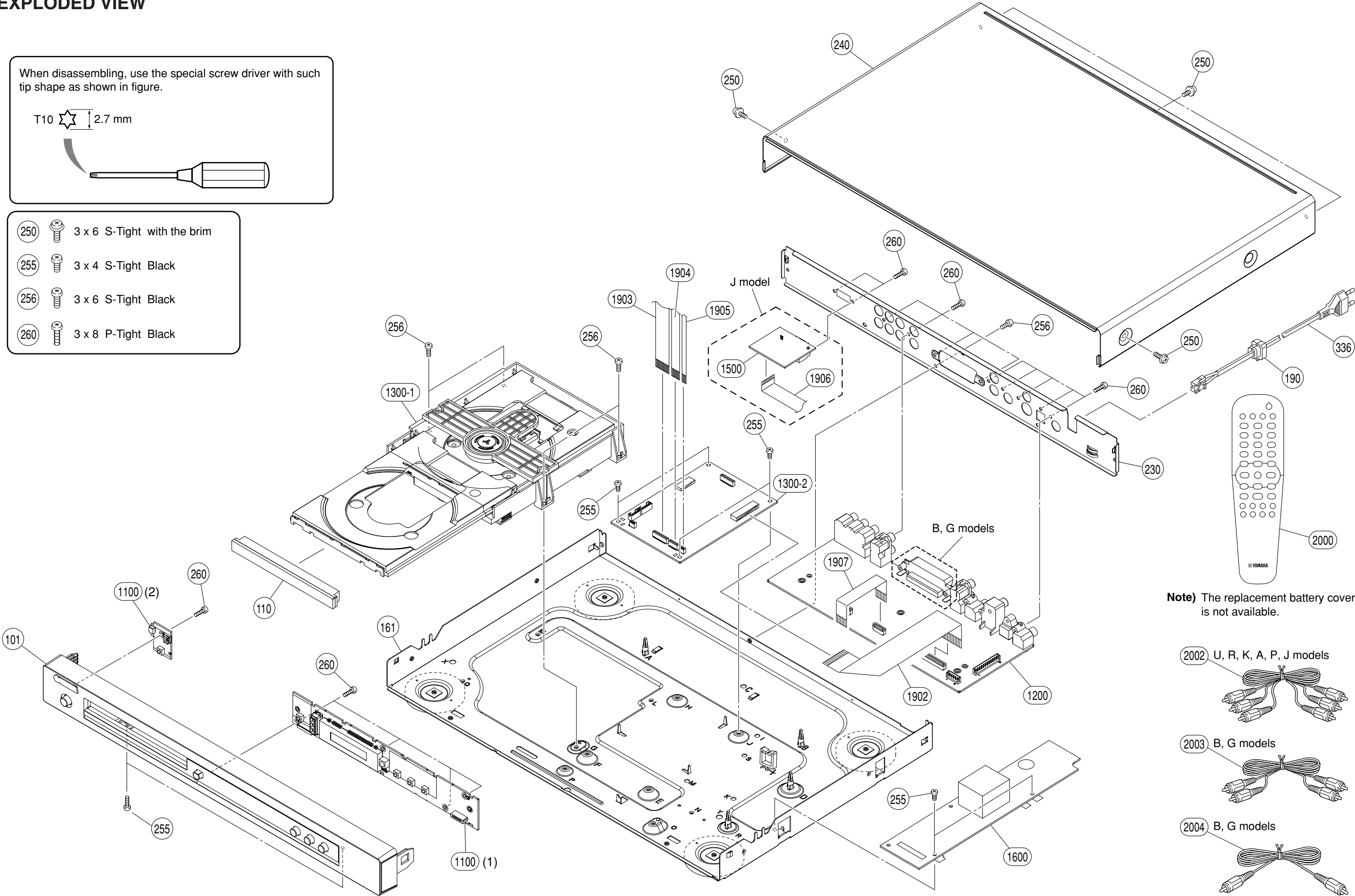
EXPLODED VIEW

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

T10 2.7 mm

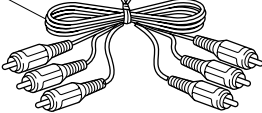


- 250 3 x 6 S-Tight with the brim
- 255 3 x 4 S-Tight Black
- 256 3 x 6 S-Tight Black
- 260 3 x 8 P-Tight Black

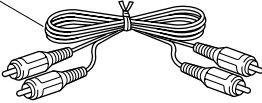


Note) The replacement battery cover is not available.

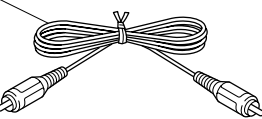
2002 U, R, K, A, P, J models



2003 B, G models



2004 B, G models



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■ MECHANICAL PARTS

	Ref. No.	Part No.	Description	Remarks	Markets	部 品 名	Rank	
*	101	AAX69710	FRONT PANEL ASS'Y	S657GD	3141 079 32751	JRK	フロントパネル A S S Y	
	101	AAX69700	FRONT PANEL ASS'Y	S657BL	3141 079 32741	UAP	フロントパネル A S S Y	
	101	AAX69770	FRONT PANEL ASS'Y	S657BL	3143 027 62081	G	フロントパネル A S S Y	
	101	AAX69760	FRONT PANEL ASS'Y	S657TI	3141 079 32941	U	フロントパネル A S S Y	
	101	AAX69790	FRONT PANEL ASS'Y	S657TI	3143 027 62141	BG	フロントパネル A S S Y	
	101	AAX69750	FRONT PANEL ASS'Y	S657SI	3141 079 32931	J	フロントパネル A S S Y	
	101	AAX69740	FRONT PANEL ASS'Y	S657SI	3141 079 32921	R	フロントパネル A S S Y	
	101	AAX69780	FRONT PANEL ASS'Y	S657SI	3143 027 62101	G	フロントパネル A S S Y	
	101	AAX69720	FRONT PANEL ASS'Y	S5860BL	3141 079 32761	U	フロントパネル A S S Y	
	101	AAX69730	FRONT PANEL ASS'Y	S5860SI	3141 079 32771	UA	フロントパネル A S S Y	
*	110	AAX69670	TRAY COVER ASS'Y	S657, S5860SI	3141 079 32781	JURKAP	トレイカバー A S S Y	
	110	AAX69690	TRAY COVER ASS'Y	S657	3143 027 62091	BG	トレイカバー A S S Y	
	110	AAX69680	TRAY COVER ASS'Y	S5860BL	3141 079 32811	U	トレイカバー A S S Y	
	161	AAX67050	FRAME ASS'Y	GD	3141 079 03091	JRK	フレーム A S S Y	
	161	AAX67030	FRAME ASS'Y	BL, TI, SI	3141 079 02961	JURKAP	フレーム A S S Y	
	161	AAX67060	FRAME ASS'Y	BL, TI, SI	3143 027 60891	BG	フレーム A S S Y	
	190	AAX53540	BUSH	450H259010	3139 114 26671		ブッシュ	
	230	AAX69830	REAR PANEL	S657	3139 241 22591	J	リアパネル	
	230	AAX69860	REAR PANEL	S657	3139 241 22621	U	リアパネル	
	230	AAX69820	REAR PANEL	S657	3139 241 22571	RK	リアパネル	
*	230	AAX69840	REAR PANEL	S657	3139 241 22601	A	リアパネル	
	230	AAX69870	REAR PANEL	S657	3139 241 22631	BG	リアパネル	
	230	AAX69850	REAR PANEL	S657	3139 241 22611	P	リアパネル	
	230	AAX69810	REAR PANEL	S5860	3139 241 22561	U	リアパネル	
	230	AAX69800	REAR PANEL	S5860	3139 241 22551	A	リアパネル	
	240	AAX59020	TOP COVER	GD	3139 241 22391		トップカバー	09
	240	AAX58270	TOP COVER	BL	3139 247 59051		トップカバー	
	240	AAX58290	TOP COVER	TI, SI	3139 241 22191		トップカバー	09
	250	AAX57730	PW HEAD TORX S-TIGHT SCREW	GD 3x6 MFN133	3103 301 45951		PWヘッド S タイトネジ	
	250	AAX55450	PW HEAD TORX S-TIGHT SCREW	BL 3x6 MFZN2BL	3139 110 40611		PWヘッド S タイトネジ	
△	250	AAX53440	PW HEAD TORX S-TIGHT SCREW	TI, SI 3x6 MFN133	3104 120 40081		PWヘッド S タイトネジ	
	255	AAX55930	PAN HEAD TORX S-TIGHT SCREW	3x4 MFZN2BL	3141 010 40591		ナベトルクス S タイトネジ	
	256	AAX23640	PAN HEAD TORX S-TIGHT SCREW	3x6 MFZN2BL	2511 077 00039		ナベトルクス S タイトネジ	
	260	AAX53520	PAN HEAD TORX P-TIGHT SCREW	3x8 MFZN2BL	2511 076 50012		ナベトルクス P タイトネジ	
	336	AAX53650	POWER CABLE	1.8m	2422 070 98255	J	電源コード	05
	336	AAX47750	POWER CABLE	1.8m	2422 070 98235	U	電源コード	
	336	AAX53630	POWER CABLE	1.8m	2422 070 98231	RGP	電源コード	
	336	AAX59130	POWER CABLE	1.8m	2422 070 98222	K	電源コード	
	336	AAX47740	POWER CABLE	1.8m	2422 070 98233	A	電源コード	
	336	AAX58470	POWER CABLE	1.8m	3103 140 25882	B	電源コード	
*	1100	AAX69640	P.C.B. ASS'Y	FRONT	3139 248 85041		P C B フロント	
	1200	AAX69610	P.C.B. ASS'Y	A/V	3139 248 84991	J	P C B A V	
	1200	AAX69620	P.C.B. ASS'Y	A/V	3139 248 85001	URKAP	P C B A V	
	1200	AAX69630	P.C.B. ASS'Y	A/V	3139 248 85011	BG	P C B A V	
	1300-1	AAX70750	DVD MECHANISM	WXD8136 (012B)	3139 248 72251		D V D メカニズム	
	1300-2	AAX70760	P.C.B. ASS'Y	MONO SD6.1 PL 6CH	3139 118 58082		D V D M O N O	
	1500	AAX57680	P.C.B. ASS'Y	HDMI D2 CONNECTOR	3139 248 82751	J	P C B H D M I	06
	1600	AAX58480	POWER SUPPLY UNIT	HE 2004 MIT	3139 248 72062		電源ユニット	14
	1902	AAX58250	FLEXIBLE FLAT CABLE	30P 120mm P=1mm	3139 241 00541		カード電線 C & C	02
	1903	AAX58220	FLEXIBLE FLAT CABLE	16P 220mm P=1mm	3139 111 02421		カード電線 C & C	03
*	1904	AAX58230	FLEXIBLE FLAT CABLE	9P 140mm P=1mm	3139 241 00521		カード電線 C & C	01
	1905	AAX58240	FLEXIBLE FLAT CABLE	4P 400mm P=1mm	3139 241 00531		カード電線 C & C	02
	1906	AAX64670	FLEXIBLE FLAT CABLE	13P 220mm P=1mm	3139 111 02411	J	カード電線 C & C	
	1907	AAX69650	FLEXIBLE FLAT CABLE	12P 80mm P=1mm	3139 241 00511		カード電線 C & C	
			ACCESSORIES				付属品	
	2000	AAX69880	REMOTE CONTROL	RC19237011/00H	3139 238 10511		リモコン	
	2002	AAX23450	AUDIO/VIDEO CABLE	YE/RD/WH 1.5m 1pc	2422 076 00304	JURKAP	音声/映像ピンケーブル	10
	2003	AAX21980	AUDIO PIN CABLE	RD/WH 1.5m 1pc	3103 308 92611	BG	ステレオピンケーブル	05
	2004	AAX22970	VIDEO PIN CABLE	YE 1.5m 1pc	3104 108 45432	BG	ビデオ用ピンケーブル	08
			BATTERY	UM-3 (2pcs)			乾電池 2 P C S	

* New Parts * 新規部品

DVD-S657/DV-S5860

