

DVD-AUDIO/VIDEO SACD PLAYER DVD-S2500

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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YAMAHA

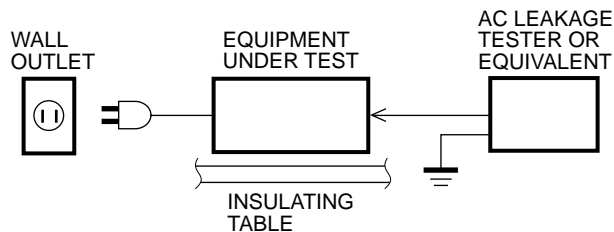
YAMAHA CORPORATION
P.O.Box 1, Hamamatsu, Japan

'05.01

DVD-S2500

■ 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.

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) 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.

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/SA-CD)
 790 nm (VCD/CD)
 Output Power: 7 mW (DVD/SA-CD/VCD/CD)

レーザー

タイプ 半導体レーザー GaAlAs
 波長 650 nm (DVD/SA-CD)
 790 nm (VCD/CD)
 出力 7 mW (DVD/SA-CD/VCD/CD)

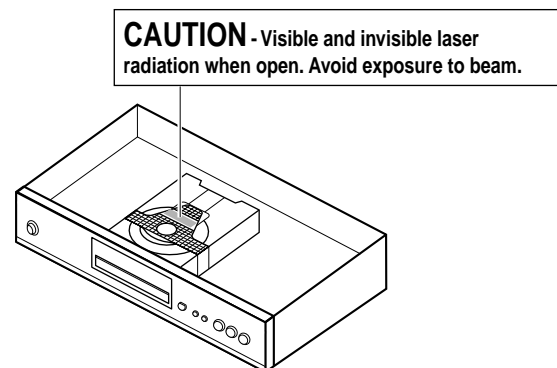
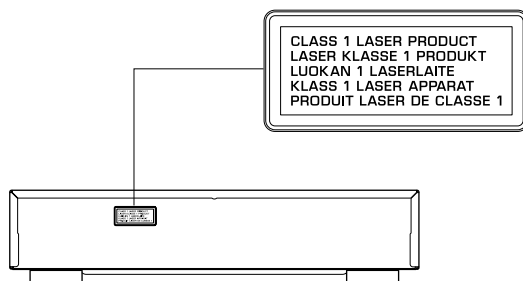
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASER-SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

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 LASERSTRÅLNING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLNING NÄR DEKSEL ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN

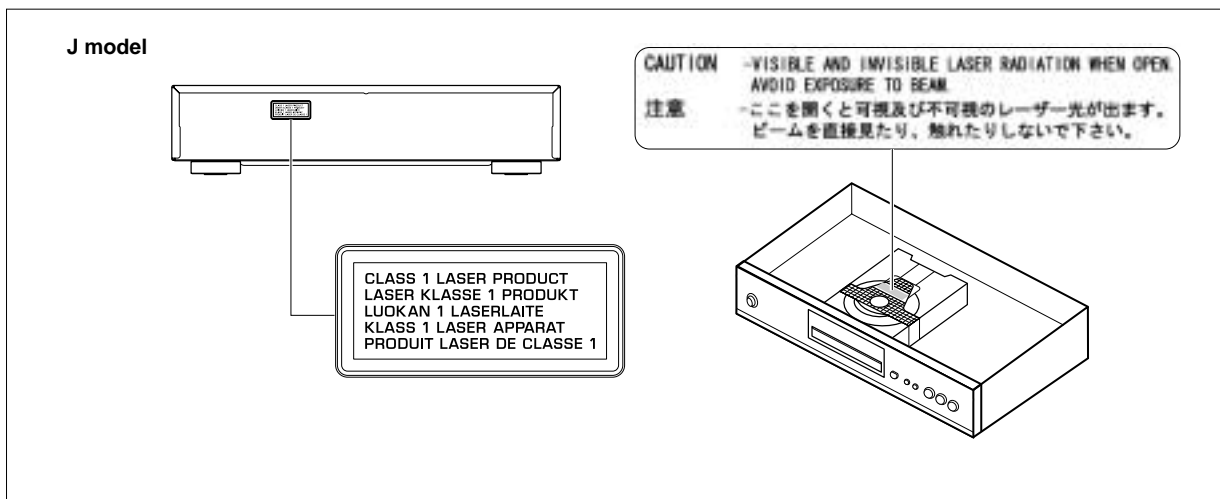
VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN

VARO! AVATT AESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN

VORSICHT SICHTBARE UND UNSICHTBARE LASERSTRALUNG 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 ELECTRO STATIC 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 electro static damage when servicing or handling the DVD-mechanism.

1. Grounding for electro static damage prevention

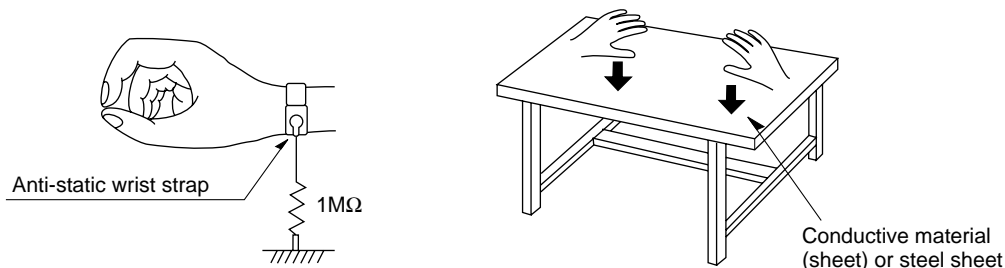
Some devices, such as the DVD player, use an optical pickup (laser diode) that will be damaged by static electricity in the working environment. Only attempt service after ensuring that all grounding procedures have been completed.

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.



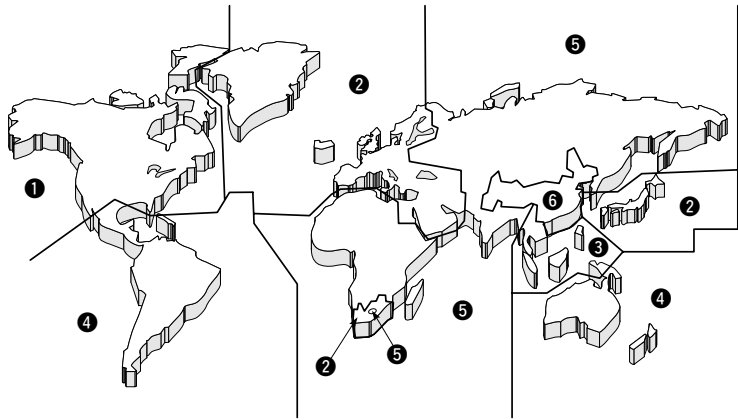
2. Handling Precautions for DVD mechanism

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.

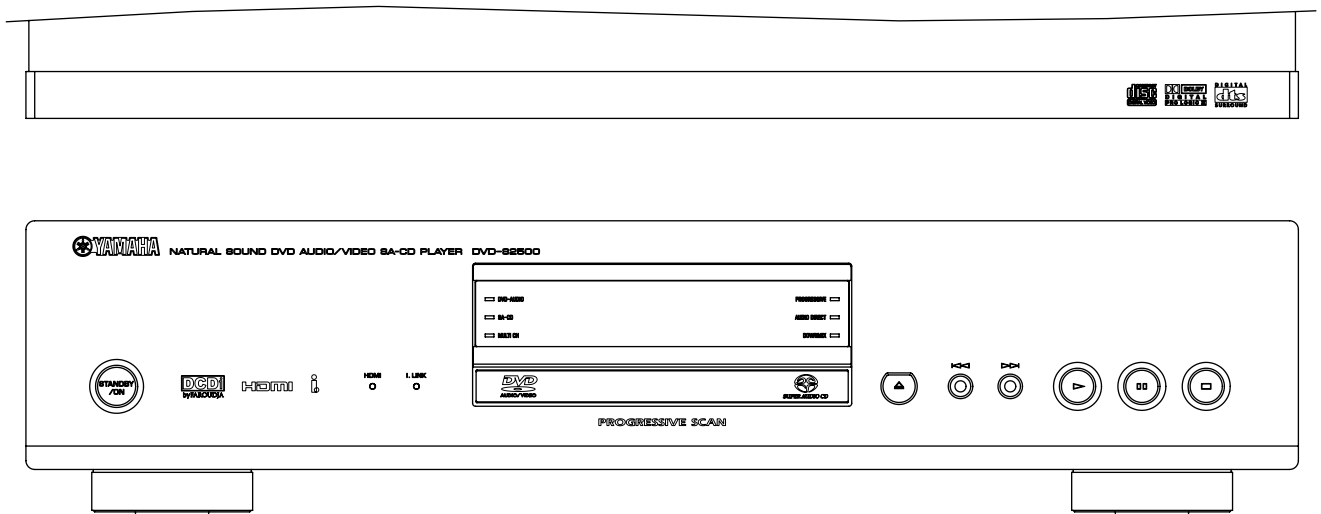
■ LOCALE MANAGEMENT INFORMATION

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.

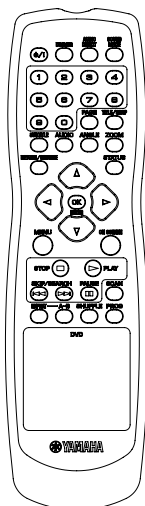
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■ FRONT PANEL

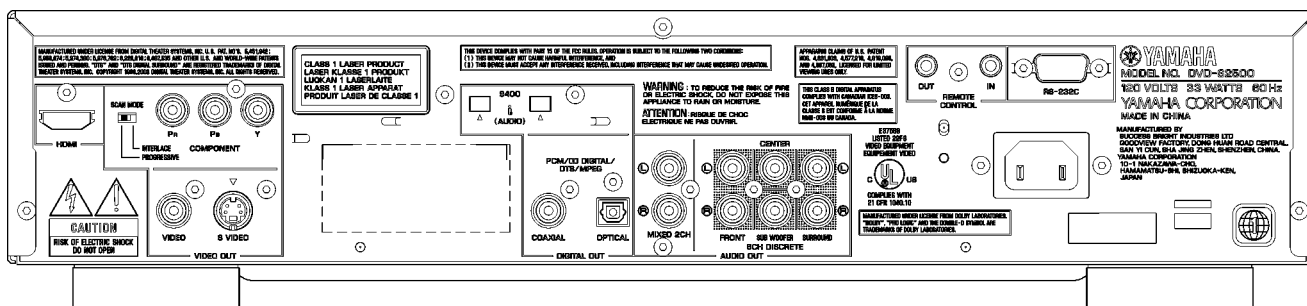


■ REMOTE CONTROL PANEL

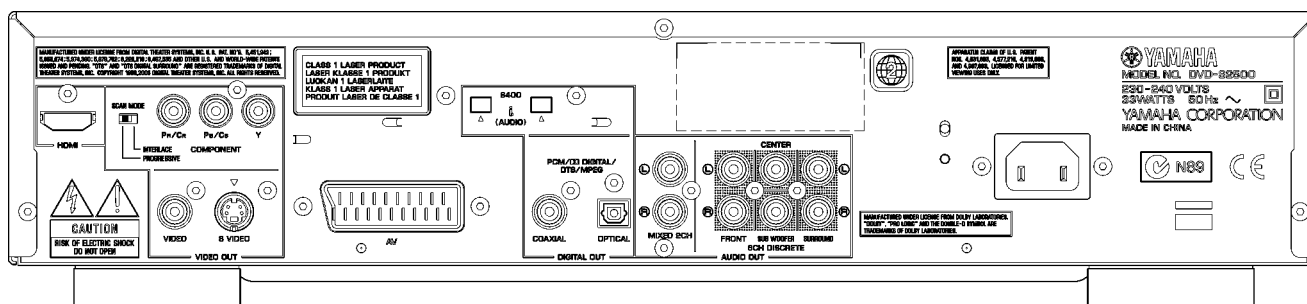


REAR PANELS

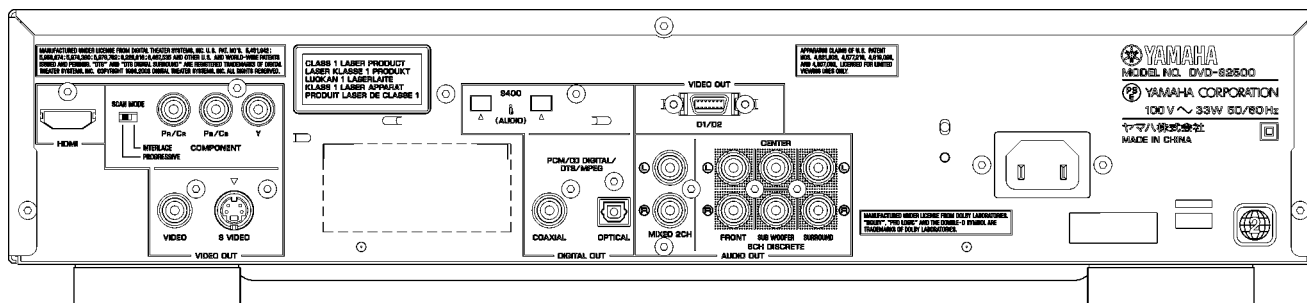
U model



G model



J model



SPECIFICATIONS / 参考仕様

PLAYBACK SYSTEM / 対応ディスク

DVD-Audio
 DVD-Video
 Super Audio-CD, Stereo/Multi-channel and Hybrid disc
 DVD+R, DVD+RW
 DVD-R, DVD-RW (Video Format)
 Video CD (VCD)
 Super Video CD (SVCD)
 CD-Audio (CD-DA)
 CD-R/CD-RW (CD-DA, VCD, SVCD)
 MP3, JPEG

VIDEO PERFORMANCE / ビデオ部

Video Output / 映像出力信号

1 Vpp into 75 ohms

S-Video Output / Sビデオ信号出力

Y: 1Vpp into 75 ohms
 C: 0.3Vpp into 75 ohms (PAL)
 C: 0.286Vpp into 75 ohms (NTSC)

Component Video Output / コンポーネントビデオ出力

Y: 1Vpp into 75 ohms
 Pb/Cb Pr/Cr: 0.7Vpp into 75 ohms
 RGB (SCART) Output 0.7 Vpp into 75 ohms (G model)
 D1/D2 Output
 D1: 1Vpp into 75 ohms (J model)
 D2: 0.7Vpp into 75 ohms (J model)

AUDIO FORMAT / オーディオフォーマット

DSD Multi-channel and Stereo
 Dolby Digital/DTS/MPEG Compressed Digital
 PCM/Packed PCM fs.48, 96, 192, and 44.1, 88.2
 176.4 kHz 16, 20, 24 bits
 MP3 (ISO9660) 32, 44.1, 48, and 16, 22.05, 24 kHz
 Full decoding of Dolby Digital, DTS and MPEG multi-channel sound/
 analogue 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 / DAコンバーター	24 bits
Signal-Noise Ratio / SN比	115 dB
Dynamic Range / ダイナミックレンジ	
(DVD 48 kHz 24 bit)	103 dB
(Super Audio CD)	107 dB
DVD	fs 96 kHz 2 Hz – 44 kHz
CD/VCD	fs 44.1 kHz 2 Hz – 20 kHz
Distortion and Noise / 全高調波歪率 (1 kHz)	
	0.0017% (DVD 48 kHz 24 bit)

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

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

CONNECTIONS / 接続端子

Y Output	Cinch (green)
Pb/Cb Output	Cinch (blue)
Pr/Cr Output	Cinch (red)
SCART	Euroconnector (G model)
D Terminal	(J model)
S-Video Output	Mini DIN, 4 pins
Video Output	Cinch (yellow)
Audio Output (L+R)	Cinch (white/red)
Digital Output	1 coaxial, 1 optical
HDMI Output	Type A
IEEE1394 Output	4 pins x 2

6 channel Analog Output

• Audio Main 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 100 x 314 mm (17-1/8" x 3-15/16" x 12-3/8")
Weight / 質量	Approx. 5.6 Kg (12 lbs 5 oz)
Finish / 仕上げ	Gold Color (G, J models) Black Color (U, G models) Titanium Color (G model)
Power Supply / 電源電圧	AC120V, 60Hz (U model) AC230-240V, 50Hz (G model) AC100V, 50/60Hz (J model)
Power Consumption / 消費電力	33W
Standby Power Consumption (reference data) / 待機時消費電力 (参考値)	1W

ACCESSORIES / 付属品

Remote Control, Batteries x 2, Power Cable x 1
Audio/Video Cable (U, J models) x 1
Audio Pin Cable (G model) x 1
Video Cable (G model) x 1

* Specifications subject to change without prior notice.

U USA model

J Japanese model

G European model



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This product complies with the following i.LINK interface specifications:

1. IEEE Std 1394a-2000, Standard for a High Performance Serial Bus
2. Audio and Music Data Transmission Protocol 2.1

Following the standard for AM824 sequence adaptation layers, the product is compatible with IEC60958 bitstream, DVD-A and SA-CD media.



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i.LINK と i.LINK ロゴ  はソニー株式会社の商標です。

この機器の i.LINK インターフェースは、以下の規格に基づいて設計されています。

1. IEEE Std 1394a-2000, Standard for a High Performance Serial Bus
 2. Audio and Music Data Transmission Protocol 2.1
- この規格の AM824 sequence adaptation layers の中の、IEC60958 bitstream、DVD-Audio または SA-CD に対応しています。

REPAIR NOTES / 修理上の留意点

1) Power Supply Unit

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

2) DVD Mechanism

The DVD mechanism is a non-repairable unit and in case of failure, it has to be replaced with a complete DVD mechanism.

3) P.C.B. Ass'y

When the P.C.B. Ass'y is found faulty, replace each P.C.B.

1)電源ユニット

故障の場合は、電源ユニットを交換してください。

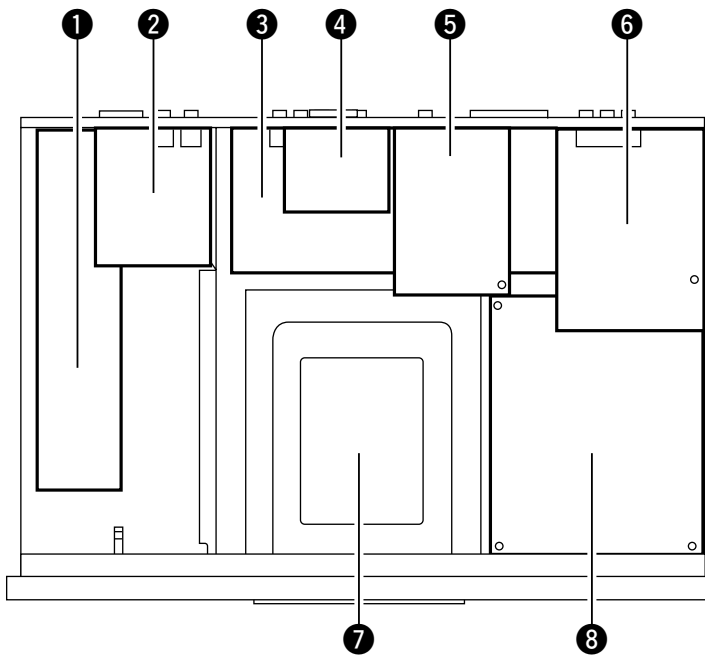
2)DVD メカ

DVDメカは、修理不可能なユニットなので、故障の場合は、DVDメカ全体を交換してください。

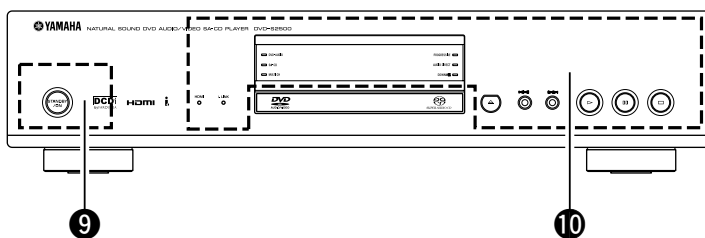
3)PCB Ass'y

故障の場合は、各 PCB を交換してください。

INTERNAL VIEW / 各部名称

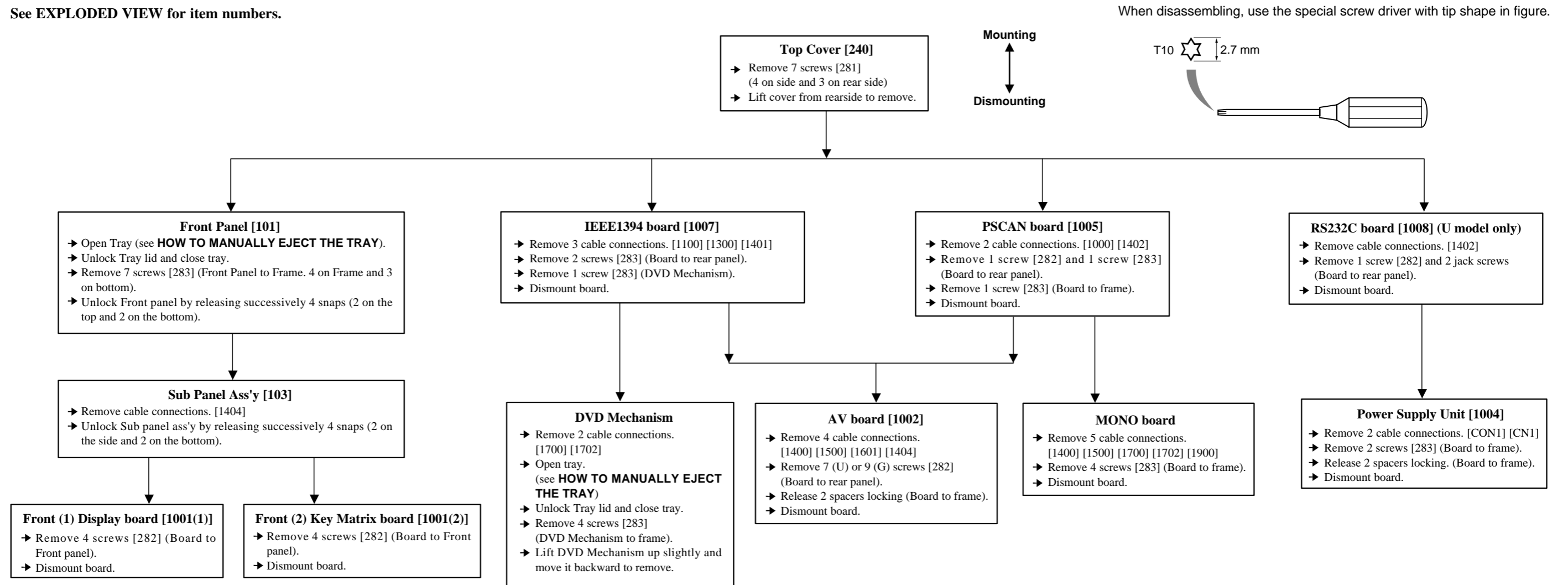


- ① POWER SUPPLY UNIT
- ② RS232C Board (U model only)
- ③ AV Board
- ④ HDMI D2 Board (J model only)
- ⑤ IEEE1394 Board
- ⑥ PSCAN Board
- ⑦ DVD MECHANISM Unit
- ⑧ MONO Board
- ⑨ FRONT (2) Board
- ⑩ FRONT (1) Board



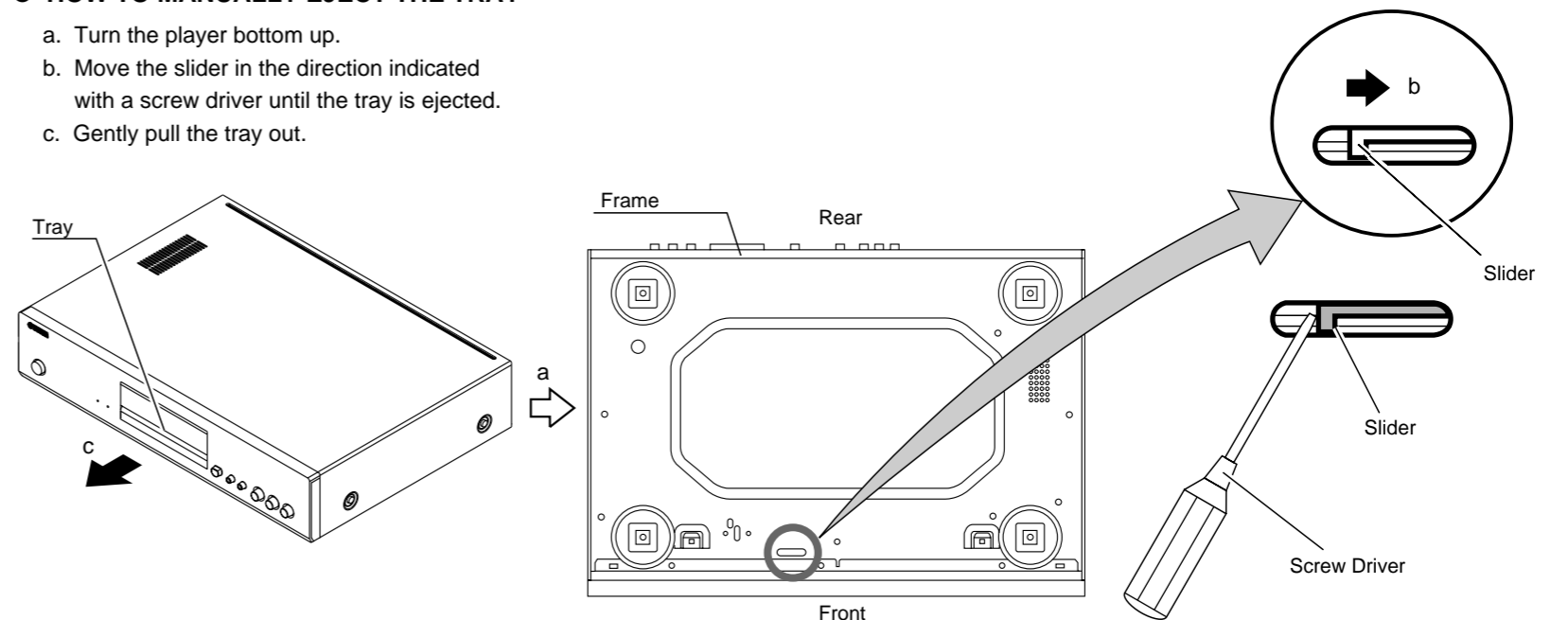
DISASSEMBLY PROCEDURES

See **EXPLODED VIEW** for item numbers.



● HOW TO MANUALLY EJECT THE TRAY

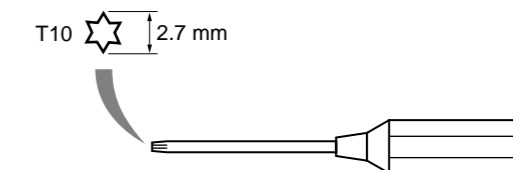
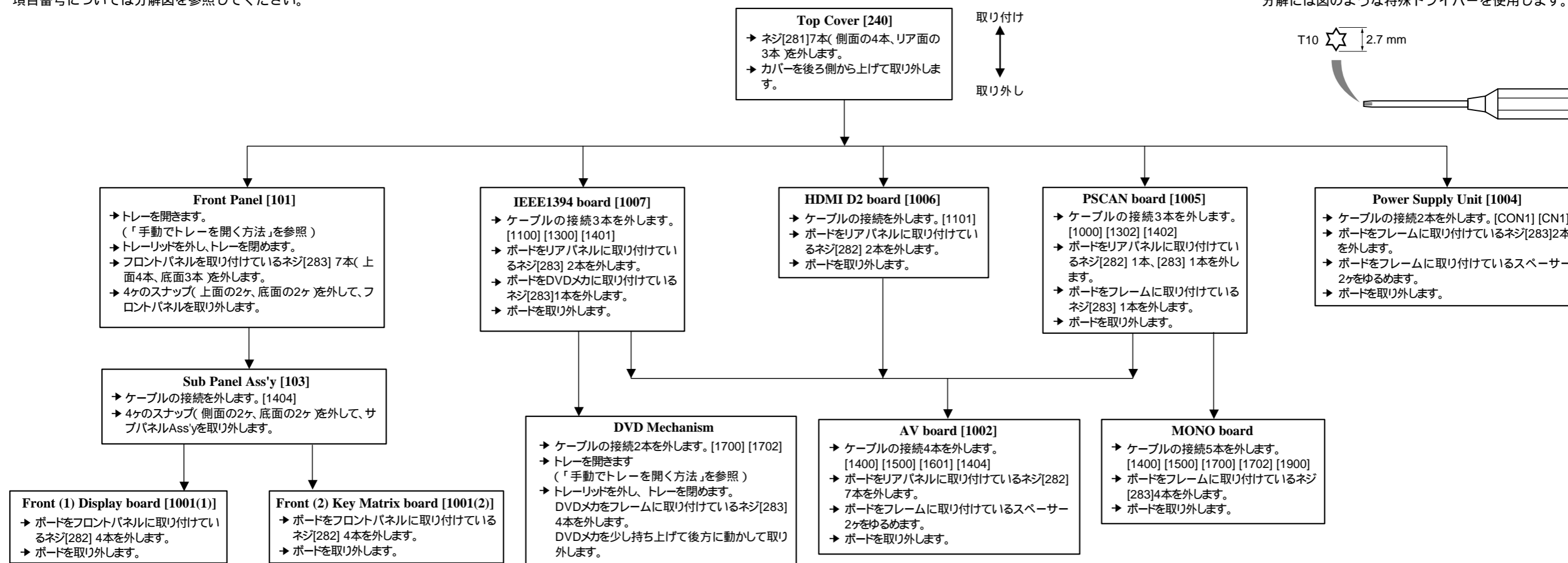
- Turn the player bottom up.
- Move the slider in the direction indicated with a screw driver until the tray is ejected.
- Gently pull the tray out.



■ 分解手順

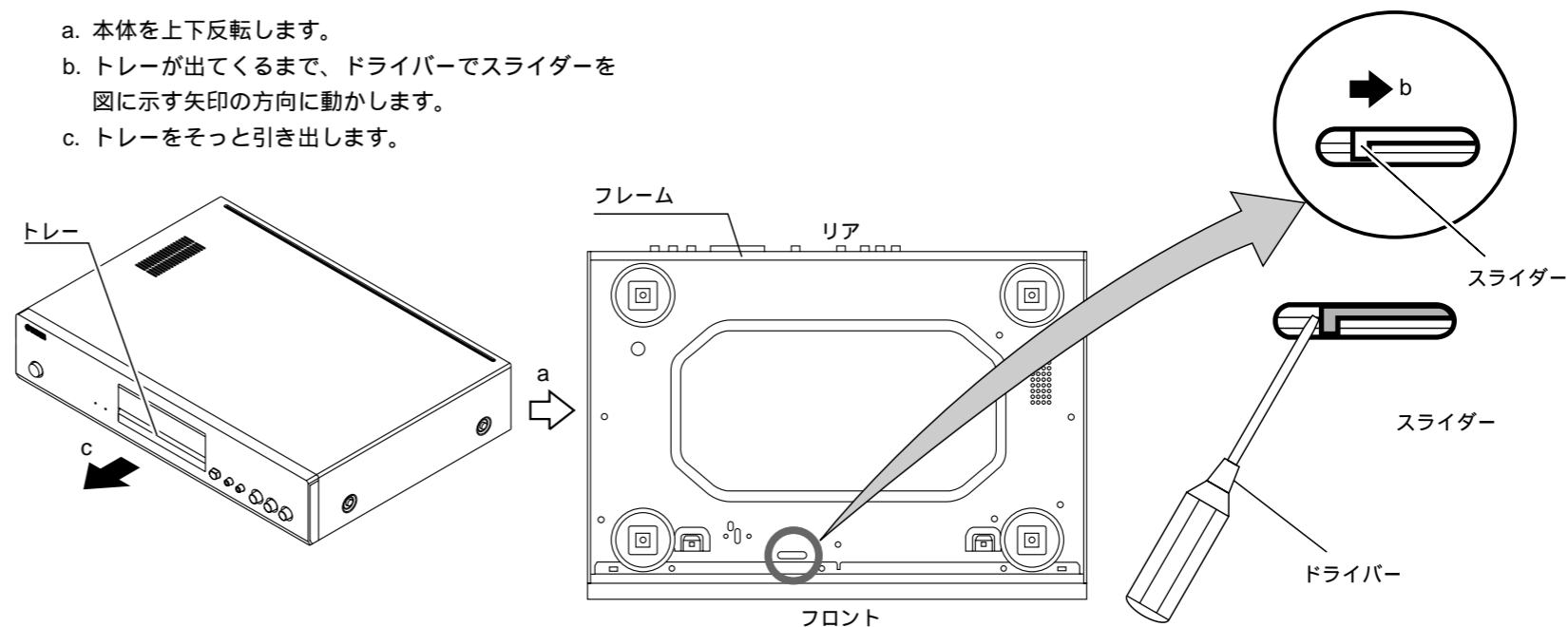
項目番号については分解図を参照してください。

分解には図のような特殊ドライバーを使用します。

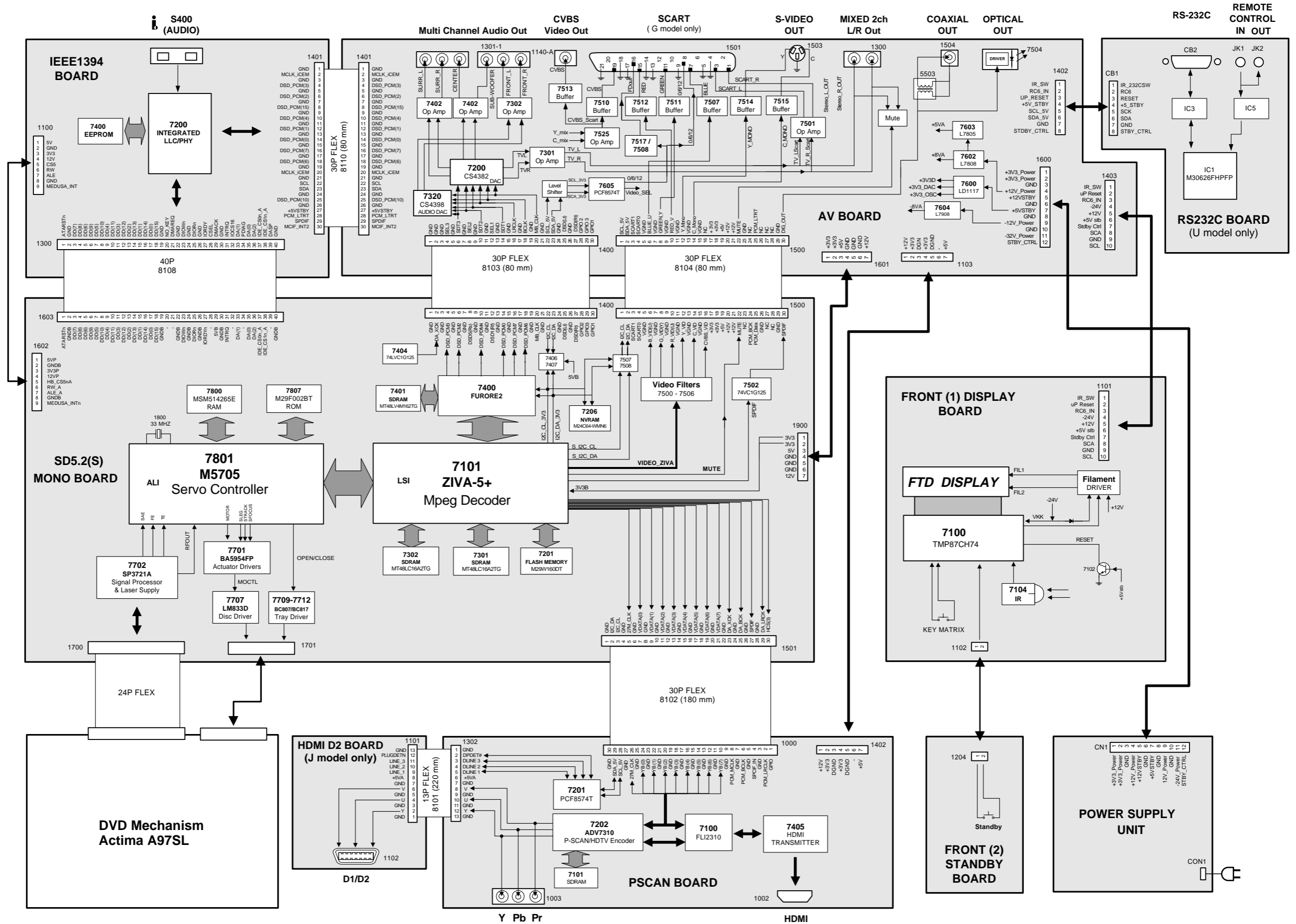


手でトレーを開く方法

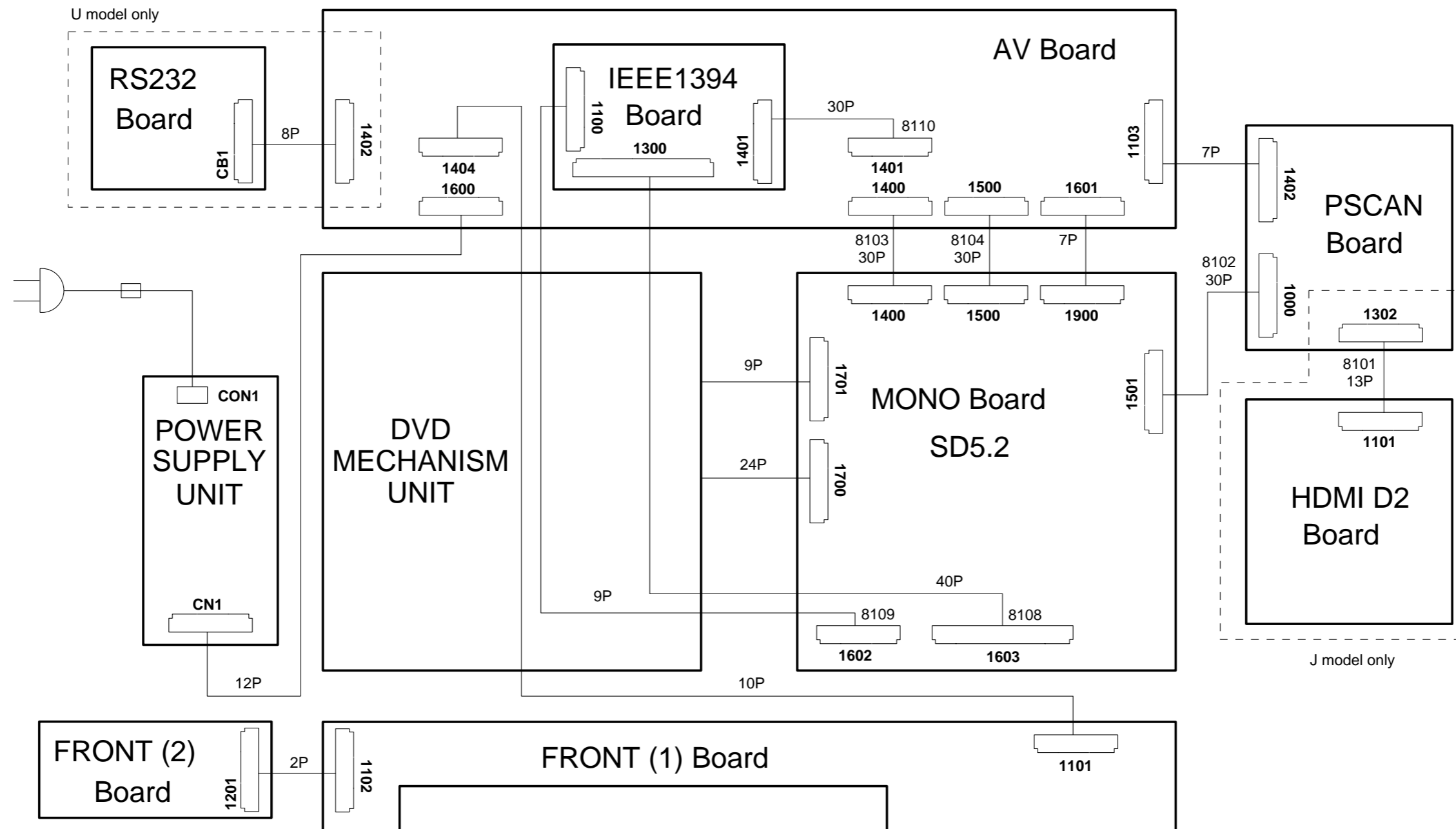
- 本体を上下反転します。
- トレーが出てくるまで、ドライバーでスライダを
図に示す矢印の方向に動かします。
- トレーをそっと引き出します。



BLOCK DIAGRAM



■ WIRING DIAGRAM

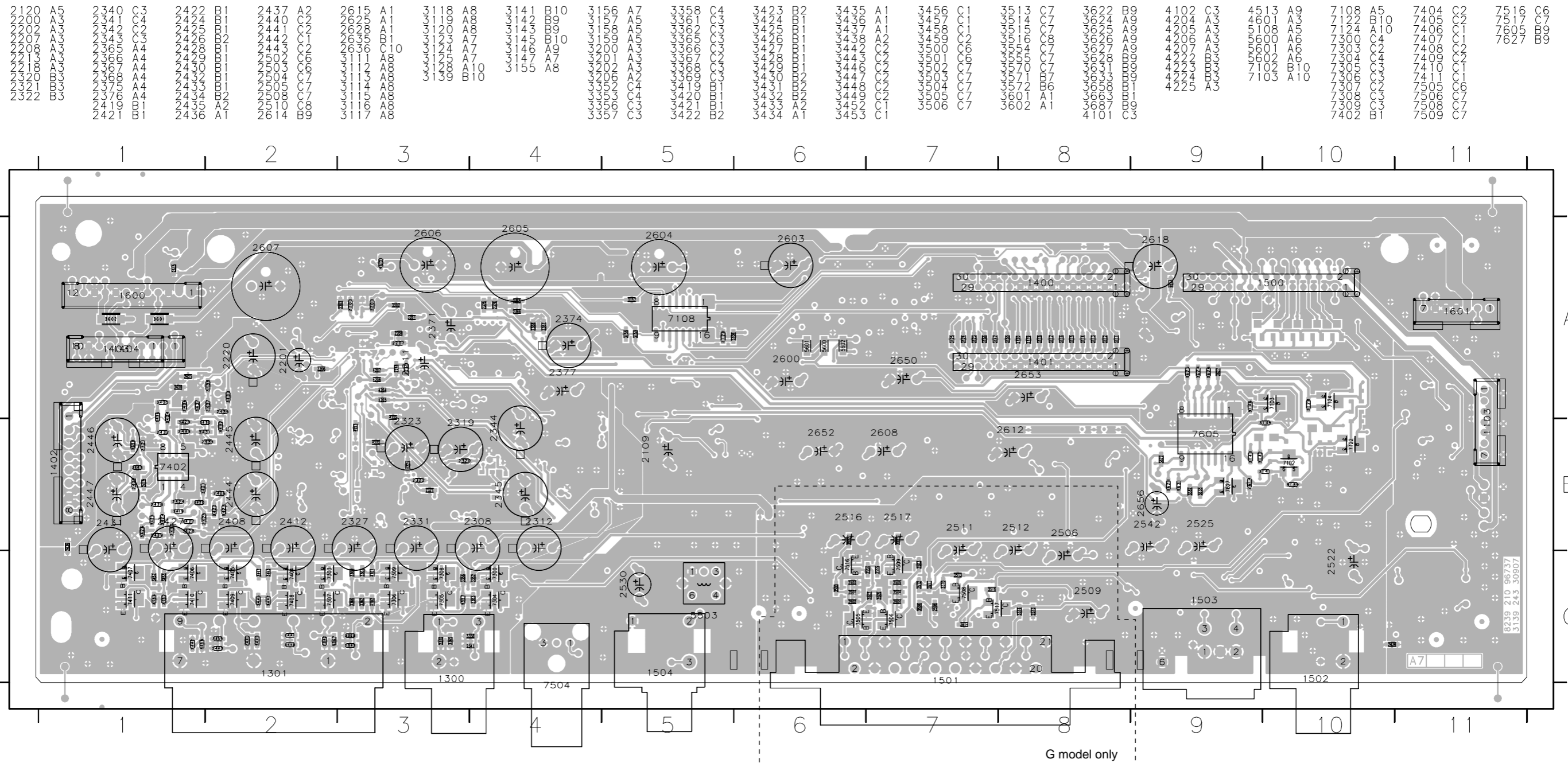


■ PRINTED CIRCUIT BOARD
 FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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

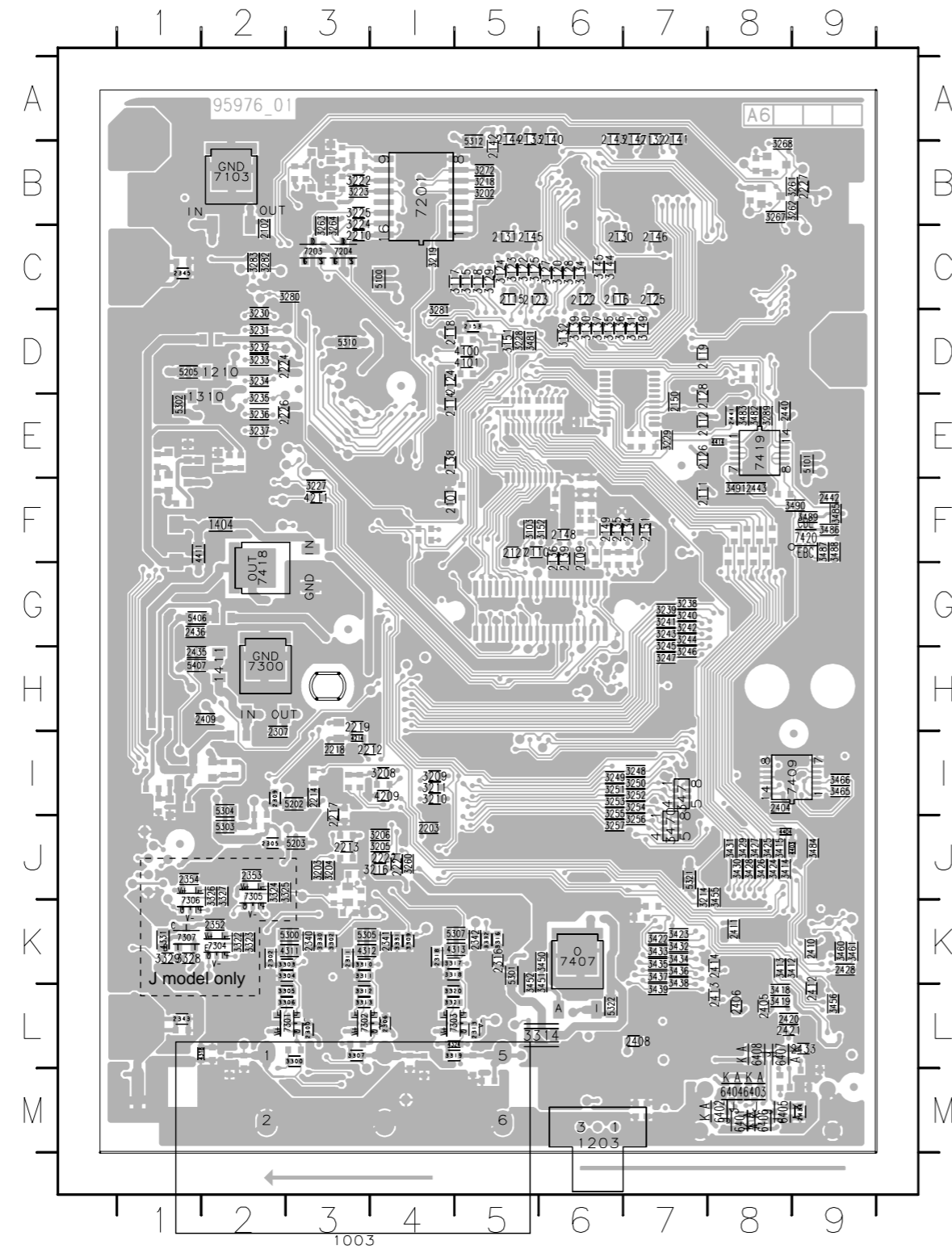
AV Board Bottom View



2120	A5	2240	C3	2422	A2	2437	A2	2440	A1	3110	A8	3141	10	3155	A7	3433	C4	3442	B2	3443	A1	3444	A1	3445	A1	3446	A1	3447	A1	3448	A1	3449	A1	3450	A1	3451	A1	3452	A1	3453	A1	3454	A1	3455	A1	3456	A1	3457	A1	3458	A1	3459	A1	3460	A1	3461	A1	3462	A1	3463	A1	3464	A1	3465	A1	3466	A1	3467	A1	3468	A1	3469	A1	3470	A1	3471	A1	3472	A1	3473	A1	3474	A1	3475	A1	3476	A1	3477	A1	3478	A1	3479	A1	3480	A1	3481	A1	3482	A1	3483	A1	3484	A1	3485	A1	3486	A1	3487	A1	3488	A1	3489	A1	3490	A1	3491	A1	3492	A1	3493	A1	3494	A1	3495	A1	3496	A1	3497	A1	3498	A1	3499	A1	3500	A1	4102	C3	4204	A3	4307	A4	4401	A5	4501	A6	4601	A6	4701	A6	4801	A6	4901	A6	5001	A6	5103	A10	5203	A10	5303	A10	5403	A10	5503	A10	5603	A10	5703	A10	5803	A10	5903	A10	6003	A10	6103	A10	6203	A10	6303	A10	6403	A10	6503	A10	6603	A10	6703	A10	6803	A10	6903	A10	7003	A10	7108	A5	7208	B10	7308	A10	7404	C2	7505	C2	7605	C2	7705	C2	7805	C2	7905	C2	8005	C2	8105	C2	8205	C2	8305	C2	8405	C2	8505	C2	8605	C2	8705	C2	8805	C2	8905	C2	9005	C2
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■ PRINTED CIRCUIT BOARD
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

PSCAN 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 |

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2 1 3 2 1 4 2 3 4 5 6 7 8 9
3 1 4 3 2 1 5 4 3 2 1 6 5 4 3 2 1
4 1 5 4 3 2 1 6 5 4 3 2 1 7 6 5 4 3 2 1
5 1 6 5 4 3 2 1 7 6 5 4 3 2 1 8 7 6 5 4 3 2 1
6 1 7 6 5 4 3 2 1 8 7 6 5 4 3 2 1 9 8 7 6 5 4 3 2 1
7 1 8 7 6 5 4 3 2 1 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1
8 1 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 1 0 9 8 7 6 5 4 3 2 1
9 1 0 9 8 7 6 5 4 3 2 1 1 0 9 8 7 6 5 4 3 2 1 1 1 0 9 8 7 6 5 4 3 2 1
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K 1 1 0 9 8 7 6 5 4 3 2 1 2 1 1 1 0 9 8 7 6 5 4 3 2 1 2 2 1 1 0 9 8 7 6 5 4 3 2 1 2 3 1 1 0 9 8 7 6 5 4 3 2 1
L 1 2 1 1 0 9 8 7 6 5 4 3 2 1 2 2 1 1 0 9 8 7 6 5 4 3 2 1 2 3 1 1 0 9 8 7 6 5 4 3 2 1 2 4 1 1 0 9 8 7 6 5 4 3 2 1
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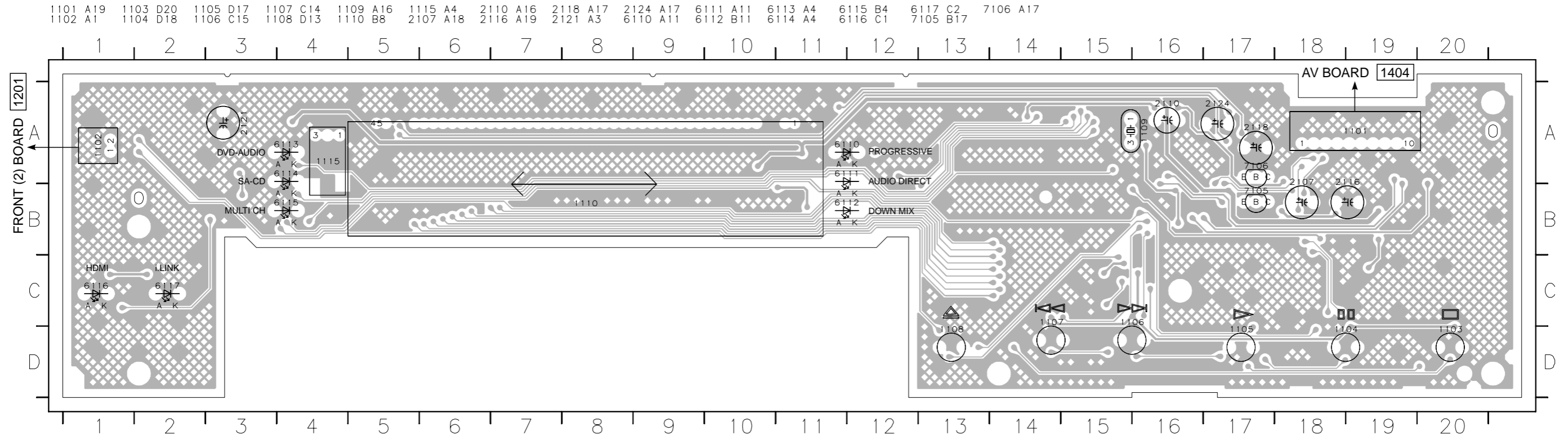
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■ PRINTED CIRCUIT BOARD
 FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAIL-
 ABLE)

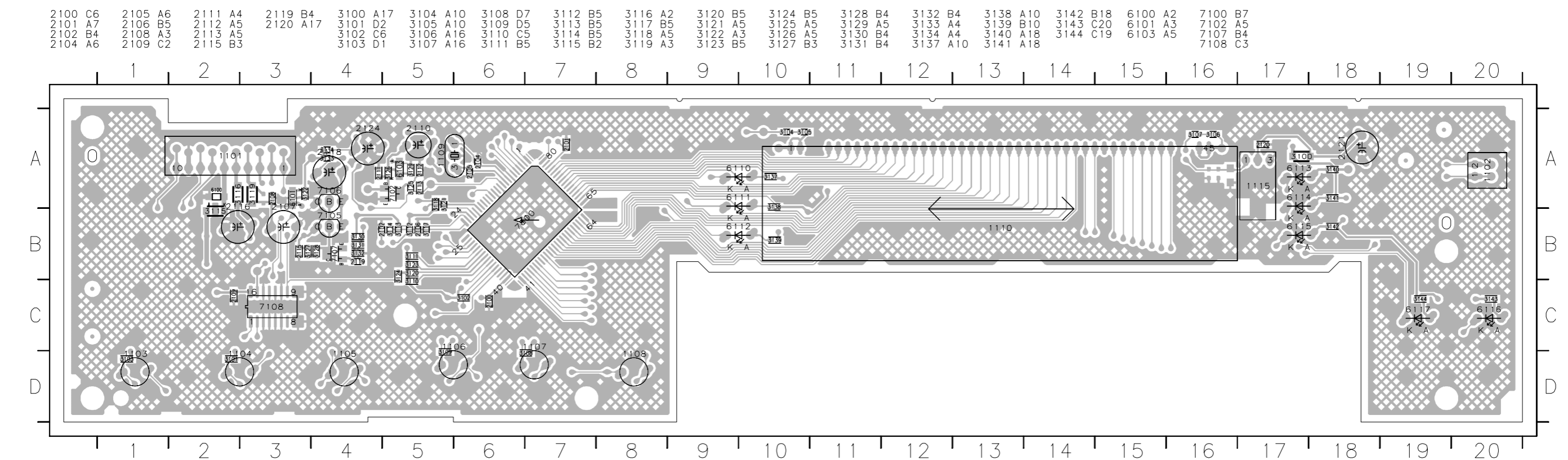
The first digit of a component indicates the component type.

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

FRONT (1) DISPLAY Board Top View

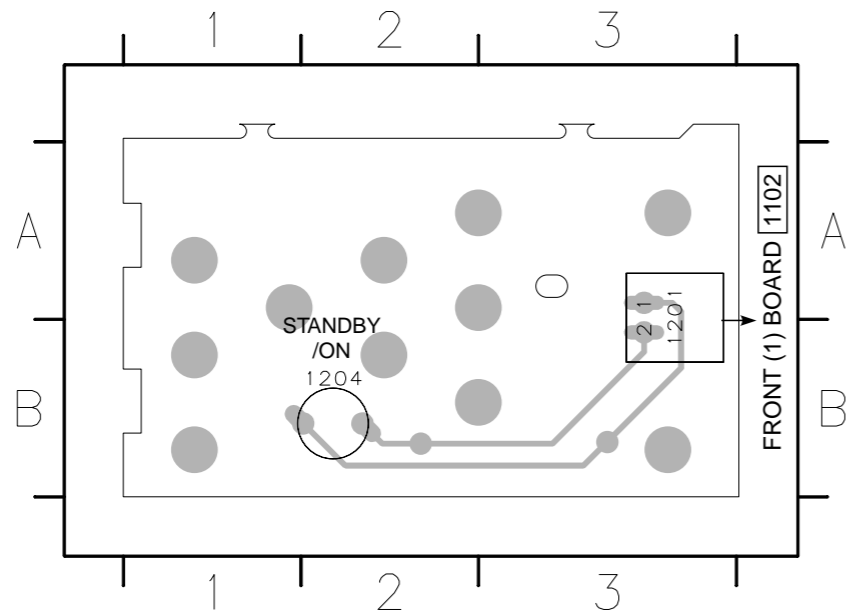


FRONT (1) DISPLAY Board Bottom View



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

FRONT (2) STANDBY Board Top View



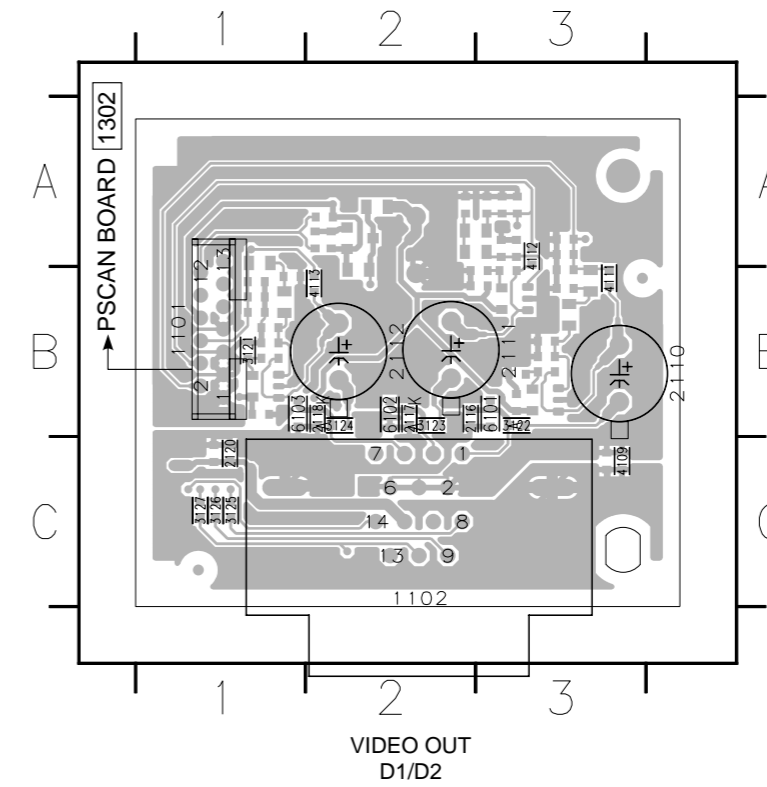
1201 A3
1204 B2

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 D2 Board Top View

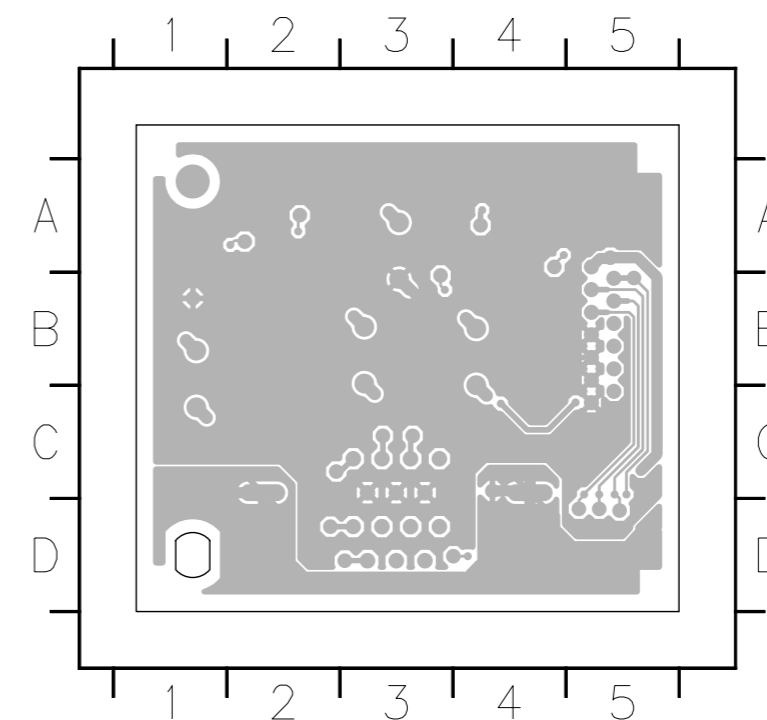
(J model only)



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1199
1200

HDMI D2 Bottom View

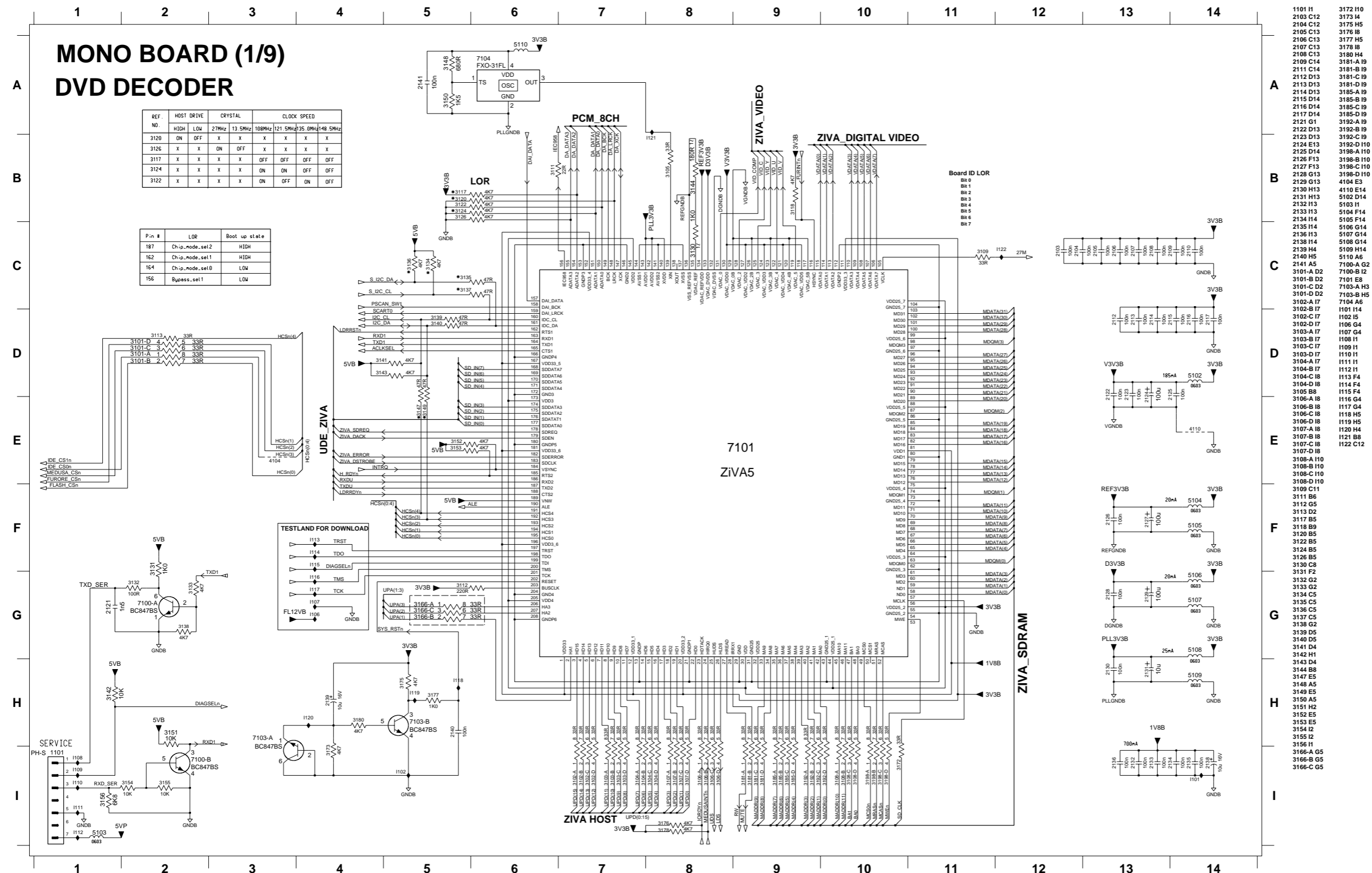
(J model only)



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

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



REF. NO.	HOST DRIVE		CRYSTAL				CLOCK SPEED				
	HIGH	LOW	27MHz	13.5MHz	108MHz	121.5MHz	35.0MHz	148.5MHz	5MHz	10MHz	15MHz
3120	ON	OFF	X	X	X	X	X	X	X	X	X
3126	X	X	ON	OFF	X	X	X	X	X	X	X
3117	X	X	X	X	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3124	X	X	X	X	ON	ON	OFF	OFF	ON	OFF	OFF
3122	X	X	X	X	ON	ON	OFF	OFF	ON	OFF	OFF

Pin #	LOR	Boot up state
187	Chip_mode.sel2	HIGH
162	Chip_mode.sel1	HIGH
164	Chip_mode.sel0	LOW
156	Bypass.sel1	LOW

- 1101 H1
- 2103 C12
- 2104 C12
- 2105 C13
- 2106 C13
- 2107 C13
- 2108 C13
- 2109 C14
- 2111 C14
- 2112 D13
- 2113 D13
- 2114 D13
- 2115 D14
- 2116 D14
- 2117 D14
- 2121 G1
- 2122 D13
- 2123 D13
- 2124 E13
- 2125 D14
- 2126 F13
- 2127 F13
- 2128 G13
- 2129 G13
- 2130 H13
- 2131 H13
- 2132 H13
- 2133 H14
- 2134 H4
- 2135 H4
- 2136 H4
- 2138 H4
- 2139 H4
- 2140 H5
- 2141 A5
- 3101-A D2
- 3101-B D2
- 3101-C D2
- 3101-D D2
- 3102-A I7
- 3102-B I7
- 3102-C I7
- 3102-D I7
- 3103-A I7
- 3103-B I7
- 3103-C I7
- 3103-D I7
- 3104-A I7
- 3104-B I7
- 3104-C I8
- 3104-D I8
- 3105 B8
- 3105-A I8
- 3106-B I8
- 3106-C I8
- 3106-D I8
- 3107-A I8
- 3107-B I8
- 3107-C I8
- 3107-D I8
- 3108-A I10
- 3108-B I10
- 3108-C I10
- 3108-D I10
- 3109 C11
- 3111 B5
- 3112 G5
- 3113 D2
- 3117 B5
- 3118 B9
- 3120 B5
- 3122 B5
- 3124 B5
- 3126 B5
- 3130 C8
- 3131 F2
- 3132 G2
- 3133 G2
- 3134 C5
- 3135 C5
- 3136 C5
- 3137 C5
- 3138 G2
- 3139 D5
- 3141 D4
- 3142 H1
- 3143 D4
- 3144 B8
- 3147 E5
- 3148 A5
- 3149 E5
- 3150 A5
- 3151 H2
- 3152 E5
- 3153 E5
- 3154 I2
- 3155 I2
- 3156 H1
- 3166-A G5
- 3166-B G5
- 3166-C G5

POWER:
 3V3B(GND), (385mA)
 ->V3V3B(VGND)
 ->D3V3B(DGND)
 ->REF3V3B(REFGND)
 ->PLL3V3B(PLLGND)
 1V8B(GND), (650mA)
 5VB(GND)

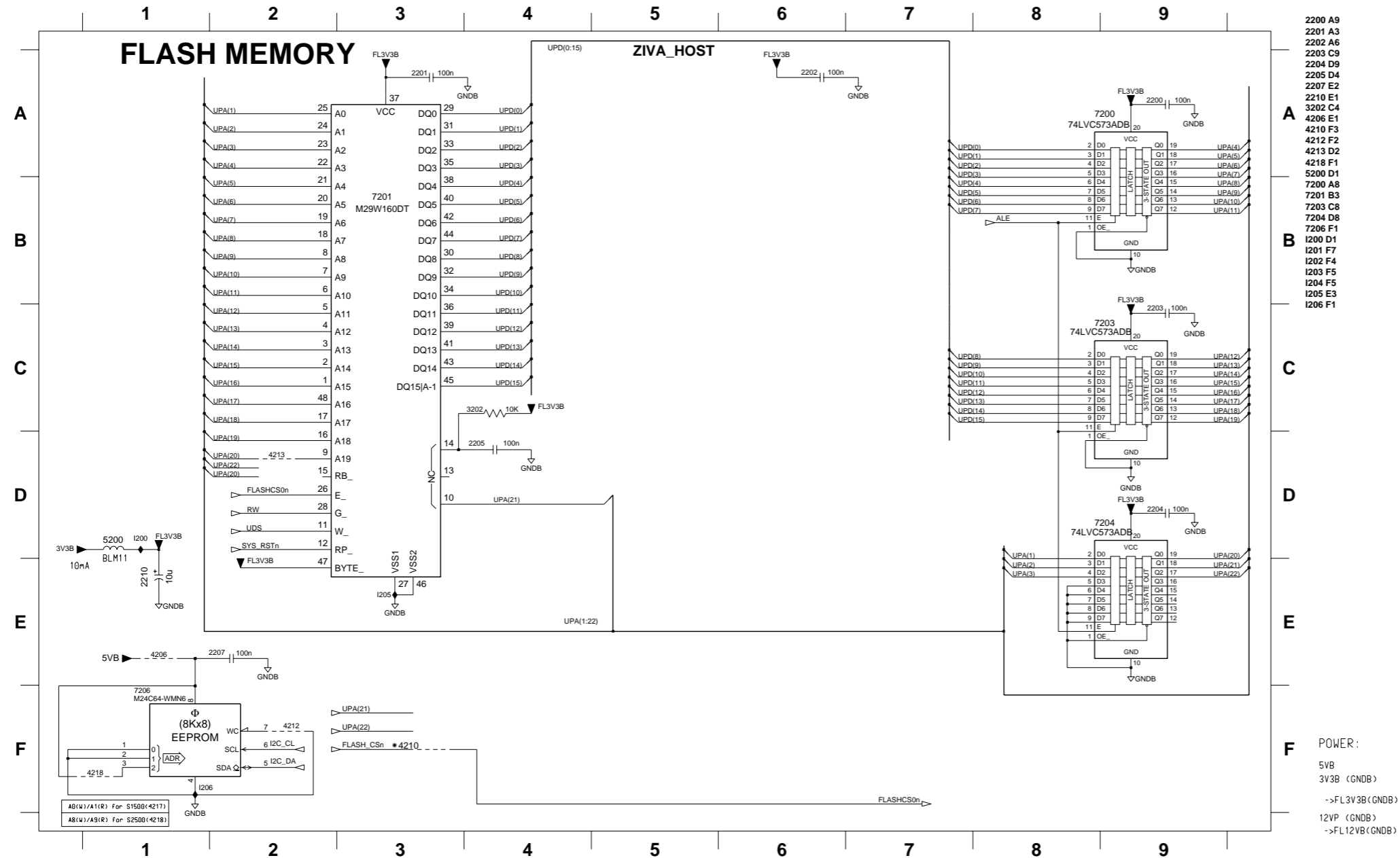
* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
 * Schematic diagram is subject to change without notice.
 * Δ 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
 * 本回路図は、標準回路図です。改良のため予告なく変更することがございます。

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

MONO BOARD (2/9)

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



FLASH TYPE	16Mbits A(0:19)	32Mbits A(0:20)	64Mbits A(0:21)
ST	M29W160	M29W320	M29W641
MACRONIX	MX29LV160	MX29LV320	
Light	M29K016E	M29K032E	M29K064E

JUMPER CONFIGURATION						
JUMPER	1 x 16Mb	1 x 32Mb	1 x 64Mb	1x64Mb, LIGHT	2 x 16Mb	32Mb + 16Mb
*4202	OFF	OFF	OFF	ON	OFF	OFF
*4203	OFF	OFF	OFF	ON	OFF	OFF
*4204	OFF	OFF	OFF	OFF	ON	ON
*4205	OFF	OFF	OFF	OFF	OFF	OFF
*4208	OFF	OFF	OFF	OFF	ON	OFF
*4209	OFF	OFF	OFF	OFF	OFF	ON
*4210	ON	ON	ON	ON	OFF	OFF
*4211	OFF	OFF	OFF	OFF	ON	ON
*4213	ON	ON	OFF	ON	ON	ON
*4214	OFF	OFF	ON	OFF	OFF	OFF
*4215	OFF	OFF	ON	OFF	OFF	OFF
*4216	OFF	OFF	OFF	ON	OFF	OFF

FLASH CS			
FLASH_CSn	UPA21/UPA22	FLASH_CS0n	FLASH_CS1n
1	x	1	1
0	0	0	1
0	1	1	0

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* Schematic diagram is subject to change without notice.

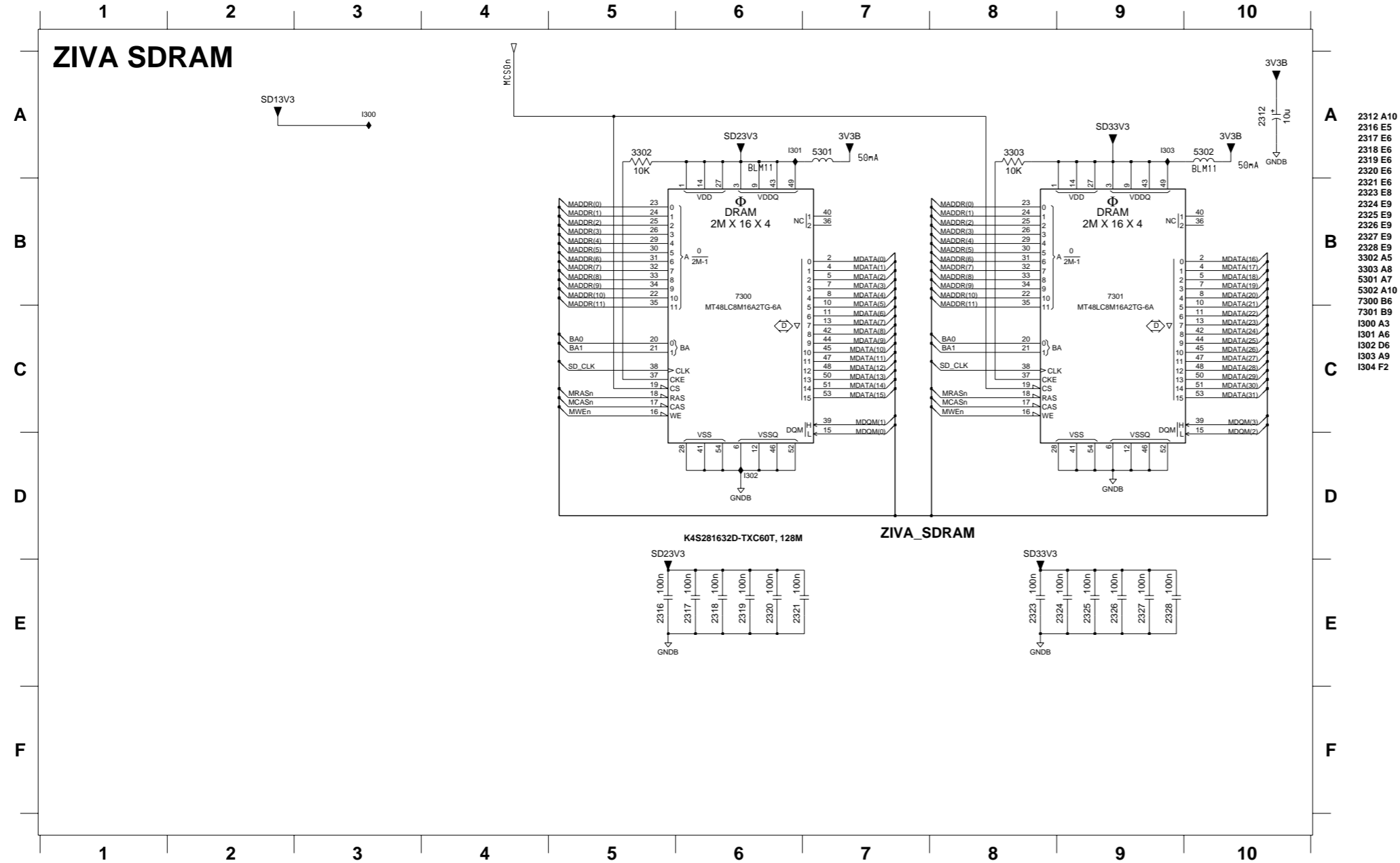
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■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

MONO BOARD (3/9)

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



- 2312 A10
- 2316 E5
- 2317 E6
- 2318 E6
- 2319 E6
- 2320 E6
- 2321 E6
- 2323 E8
- 2324 E9
- 2325 E9
- 2326 E9
- 2327 E9
- 2328 E9
- 3303 A5
- 3303 A8
- 5301 A7
- 5302 A10
- 7300 B6
- 7301 B9
- I300 A3
- I301 A6
- I302 D6
- I303 A9
- I304 F2

POWER :
3V3B (GNDB)
->SD13V3 (GNDB)
->SD23V3 (GNDB)
->SD33V3 (GNDB)

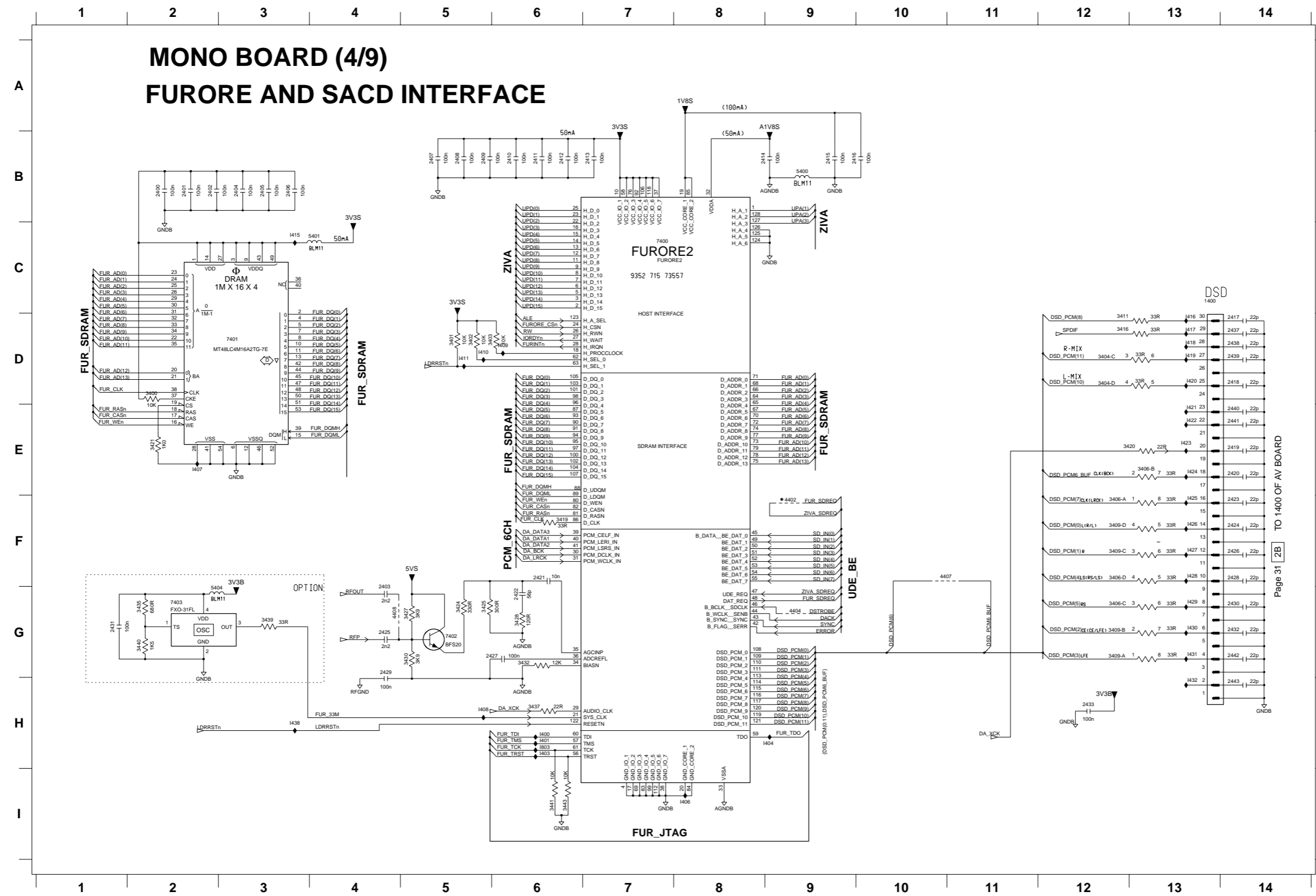
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SCHEMATIC DIAGRAM FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



- 1400 C13
- 2400 B2
- 2401 B2
- 2402 B2
- 2403 G4
- 2404 B3
- 2405 B3
- 2406 B3
- 2407 B5
- 2408 B5
- 2409 B5
- 2410 B6
- 2411 B6
- 2412 B6
- 2413 B7
- 2414 B8
- 2415 B9
- 2416 B9
- 2417 D14
- 2418 D14
- 2419 E14
- 2420 E14
- 2421 F6
- 2422 G6
- 2423 F14
- 2424 F14
- 2425 G4
- 2426 F14
- 2427 G6
- 2428 F14
- 2429 G4
- 2430 G14
- 2431 G1
- 2432 G14
- 2433 H12
- 2437 D14
- 2438 D14
- 2439 D14
- 2440 E14
- 2441 E14
- 2442 G14
- 2443 H14
- 3400 D2
- 3401 D5
- 3402 D5
- 3403 D6
- 3404-C D12
- 3404-D D12
- 3406-A F12
- 3406-B E13
- 3406-C G12
- 3406-D F12
- 3409-A G12
- 3409-B G12
- 3409-C F12
- 3409-D F12
- 3411 D12
- 3416 D12
- 3418 E10
- 3419 F6
- 3420 E13
- 3421 E2
- 3424 G5
- 3425 G5
- 3427 G5
- 3428 G6
- 3430 G5
- 3432 G6
- 3435 G2
- 3437 H6
- 3439 G3
- 3440 G2
- 3441 H6
- 3443 H6
- 4402 F9
- 4404 G9
- 4407 F10
- 4408 G4
- 5400 B9
- 5401 C4
- 5404 G2
- 7400 C7
- 7401 D3
- 7402 G5
- 7403 G2
- 1400 H6
- 1401 H6
- 1403 H6
- 1404 H9
- 1406 H8
- 1407 E2
- 1408 H5
- 1409 D6

POWER:

- 3V3S (GNDB) (50mA + 50mA)
- 1V8S (GNDB) (100mA)
- A1V8S (AGNDB) (50mA)
- 5V3S (AGNDB)
- (RFND)

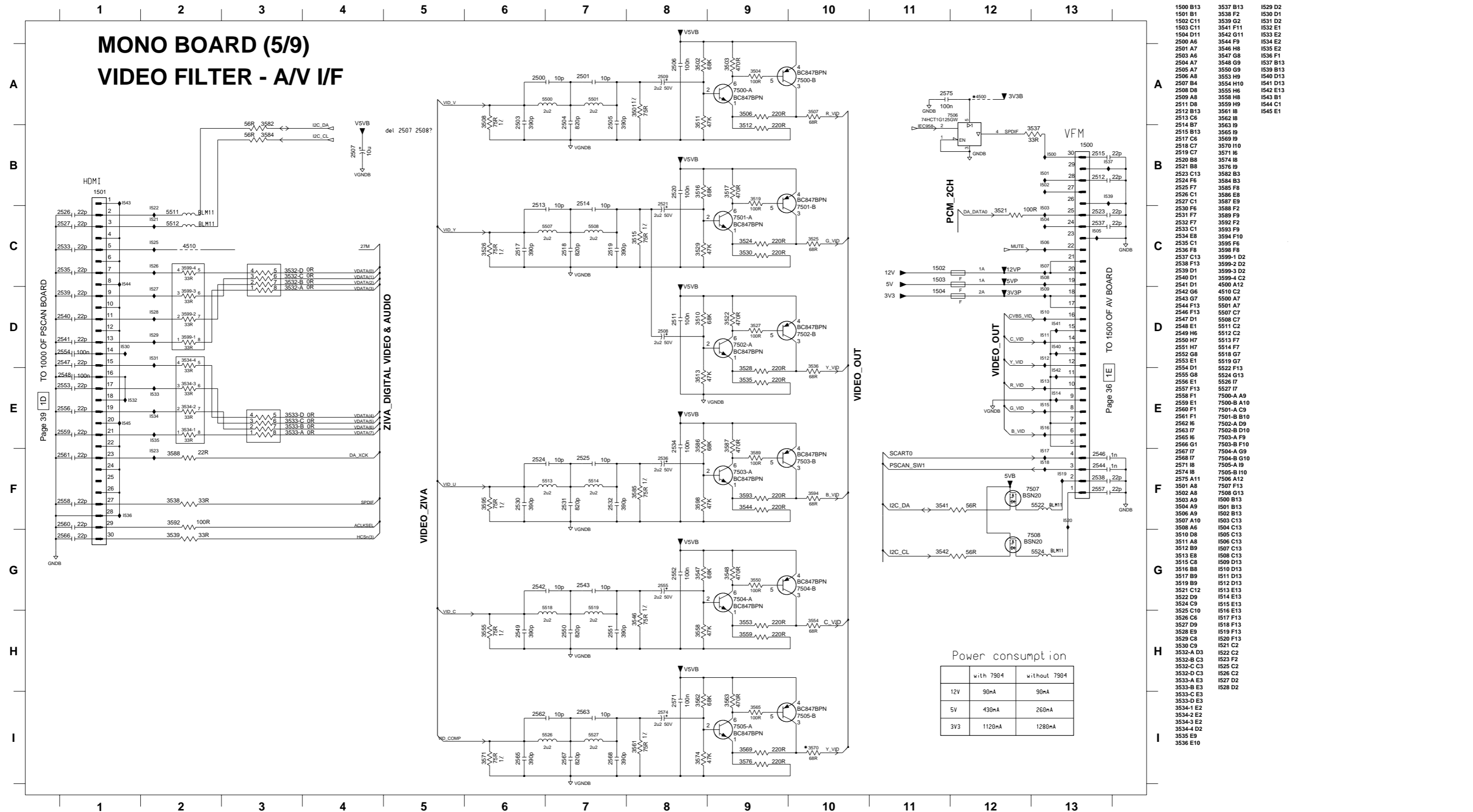
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■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



- 1500 B13
- 1501 B1
- 1502 C11
- 1503 C11
- 1504 D11
- 2500 A6
- 2501 A7
- 2503 A6
- 2504 A7
- 2505 A7
- 2506 A8
- 2507 B4
- 2508 D8
- 2509 A8
- 2511 D8
- 2512 B13
- 2513 C6
- 2514 B7
- 2515 B13
- 2517 C6
- 2518 C7
- 2519 C7
- 2520 B8
- 2521 B8
- 2523 C13
- 2524 F6
- 2525 F7
- 2526 C1
- 2527 C1
- 2530 F6
- 2531 F7
- 2532 F7
- 2533 C1
- 2534 E8
- 2535 C1
- 2536 F8
- 2537 C13
- 2538 F13
- 2539 D1
- 2540 D1
- 2541 D1
- 2542 G6
- 2543 G7
- 2544 F13
- 2546 F13
- 2547 D1
- 2548 E1
- 2549 H6
- 2550 H7
- 2551 H7
- 2552 G8
- 2553 E1
- 2554 D1
- 2555 G8
- 2556 E1
- 2557 F13
- 2558 F1
- 2559 E1
- 2560 F1
- 2561 F1
- 2562 I6
- 2563 I7
- 2565 I6
- 2566 G1
- 2567 I7
- 2568 I7
- 2571 I8
- 2574 I8
- 2575 A11
- 3501 A8
- 3502 A8
- 3503 A9
- 3504 A9
- 3506 A9
- 3507 A10
- 3508 A6
- 3510 D8
- 3511 A8
- 3512 B9
- 3513 E8
- 3515 C8
- 3516 B8
- 3517 B9
- 3519 B9
- 3521 C12
- 3522 D9
- 3523 C4
- 3525 C10
- 3526 C6
- 3527 D9
- 3528 E9
- 3529 C8
- 3530 C9
- 3532-A D3
- 3532-B C3
- 3532-C C3
- 3532-D C3
- 3533-A E3
- 3533-B E3
- 3533-C E3
- 3533-D E3
- 3534-1 E2
- 3534-2 E2
- 3534-3 E2
- 3534-4 D2
- 3535 E9
- 3536 E10
- 3537 B13
- 3538 F2
- 3539 G2
- 3541 F11
- 3542 G11
- 3544 F9
- 3546 H8
- 3547 G8
- 3548 G9
- 3550 G9
- 3553 H9
- 3554 H10
- 3555 H6
- 3558 H8
- 3559 H9
- 3561 I8
- 3562 I8
- 3563 I9
- 3565 I9
- 3569 I9
- 3570 I10
- 3571 I6
- 3574 I8
- 3576 I9
- 3582 B3
- 3584 B3
- 3585 F8
- 3586 E8
- 3587 E9
- 3588 F2
- 3589 F9
- 3592 F2
- 3593 F9
- 3594 F10
- 3595 F6
- 3598 F8
- 3599-1 D2
- 3599-2 D2
- 3599-3 D2
- 3599-4 C2
- 4500 A12
- 4510 C2
- 5500 A7
- 5501 A7
- 5507 C7
- 5508 C7
- 5511 C2
- 5512 C2
- 5513 F7
- 5514 F7
- 5518 G7
- 5519 G7
- 5522 F13
- 5524 G13
- 5526 I7
- 5527 I7
- 7500-A A9
- 7500-A A10
- 7501-A C9
- 7501-B B10
- 7502-A D9
- 7502-B D10
- 7503-A F9
- 7503-B F10
- 7504-A G9
- 7504-B G10
- 7505-A I9
- 7505-B I10
- 7506 A12
- 7507 F13
- 7508 G13
- 1500 B13
- 1501 B1
- 1502 C11
- 1503 C11
- 1504 D11
- 2500 A6
- 2501 A7
- 2503 A6
- 2504 A7
- 2505 A7
- 2506 A8
- 2507 B4
- 2508 D8
- 2509 A8
- 2511 D8
- 2512 B13
- 2513 C6
- 2514 B7
- 2515 B13
- 2517 C6
- 2518 C7
- 2519 C7
- 2520 B8
- 2521 B8
- 2523 C13
- 2524 F6
- 2525 F7
- 2526 C1
- 2527 C1
- 2530 F6
- 2531 F7
- 2532 F7
- 2533 C1
- 2534 E8
- 2535 C1
- 2536 F8
- 2537 C13
- 2538 F13
- 2539 D1
- 2540 D1
- 2541 D1
- 2542 G6
- 2543 G7
- 2544 F13
- 2546 F13
- 2547 D1
- 2548 E1
- 2549 H6
- 2550 H7
- 2551 H7
- 2552 G8
- 2553 E1
- 2554 D1
- 2555 G8
- 2556 E1
- 2557 F13
- 2558 F1
- 2559 E1
- 2560 F1
- 2561 F1
- 2562 I6
- 2563 I7
- 2565 I6
- 2566 G1
- 2567 I7
- 2568 I7
- 2571 I8
- 2574 I8
- 2575 A11
- 3501 A8
- 3502 A8
- 3503 A9
- 3504 A9
- 3506 A9
- 3507 A10
- 3508 A6
- 3510 D8
- 3511 A8
- 3512 B9
- 3513 E8
- 3515 C8
- 3516 B8
- 3517 B9
- 3519 B9
- 3521 C12
- 3522 D9
- 3523 C4
- 3525 C10
- 3526 C6
- 3527 D9
- 3528 E9
- 3529 C8
- 3530 C9
- 3532-A D3
- 3532-B C3
- 3532-C C3
- 3532-D C3
- 3533-A E3
- 3533-B E3
- 3533-C E3
- 3533-D E3
- 3534-1 E2
- 3534-2 E2
- 3534-3 E2
- 3534-4 D2
- 3535 E9
- 3536 E10

POWER :
12VP (GNDB)
->12V (GNDB)
5VP (GNDB)
->5V (GNDB)
3V3P (GNDB)
->3V (GNDB)
5VB (GNDB)
3V3B (GNDB)
V5VB (GNDB)

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* Schematic diagram is subject to change without notice.

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

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

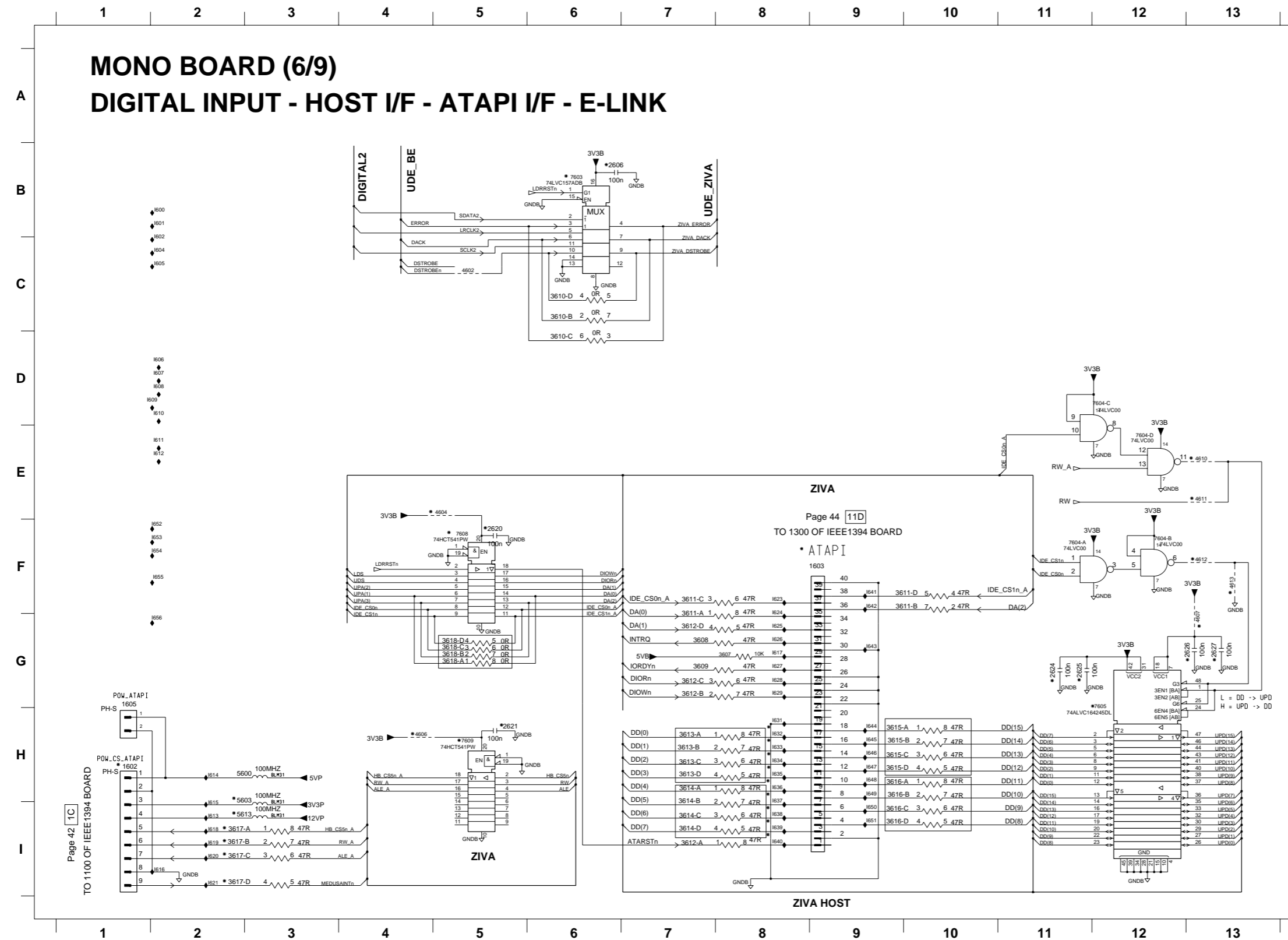


Table of component callouts including part numbers and designations such as 1602 H1, 1603 F8, 1605 G1, 2606 B6, 2620 F5, 2621 H5, 2623 H9, 2624 G11, 2625 G11, 2626 G13, 2627 G13, 3607 G8, 3608 G7, 3609 G7, 3610-B C6, 3610-C D6, 3610-D C6, 3611-A G7, 3611-B F10, 3611-C F7, 3611-D F10, 3612-A I7, 3612-B G7, 3612-C G7, 3612-D G7, 3613-A H7, 3613-B H7, 3613-C H7, 3613-D H7, 3614-A H7, 3614-B I7, 3614-C I7, 3614-D I7, 3615-A H9, 3615-B H9, 3615-C H9, 3615-D H9, 3616-A H9, 3616-B H9, 3616-C I9, 3616-D I9, 3617-A I2, 3617-B I2, 3617-C I2, 3617-D I2, 3618-A G5, 3618-B G5, 3618-C G5, 3618-D G5, 4602 C5, 4604 E5, 4606 H4, 4607 G13, 4610 E13, 4611 E13, 4612 F13, 4613 F13, 5600 H2, 5603 I2, 5613 I2, 7603 B6, 7604-A F11, 7604-B F12, 7604-C D12, 7604-D E12, 7605 H12, 7606 F5, 7609 H5, 1600 B2, 1601 B2, 1602 B2, 1604 C2, 1605 C2, 1606 D2, 1607 D2, 1608 D2, 1609 D2, 1610 D2, 1611 E2, 1612 E2, 1613 E2, 1614 H2, 1615 I2, 1616 I2, 1617 G8, 1618 I2, 1619 I2, 1620 I2, 1621 I2, 1623 F8, 1624 F8, 1625 G8, 1626 G8, 1627 G8, 1628 G8, 1629 G8, 1631 H8, 1632 H8, 1633 H8, 1634 H8, 1635 H8, 1636 H8, 1637 H8, 1638 I8, 1639 I8, 1640 I8, 1641 F9, 1642 F9, 1643 G9, 1644 H9, 1645 H9, 1646 H9, 1647 H9, 1648 H9, 1649 H9, 1650 I9, 1651 I9, 1652 F2, 1653 F2, 1654 F2, 1655 F2, 1656 G2.

POWER: 3V3B (GNDB) (50mA) 5VB (GNDB)

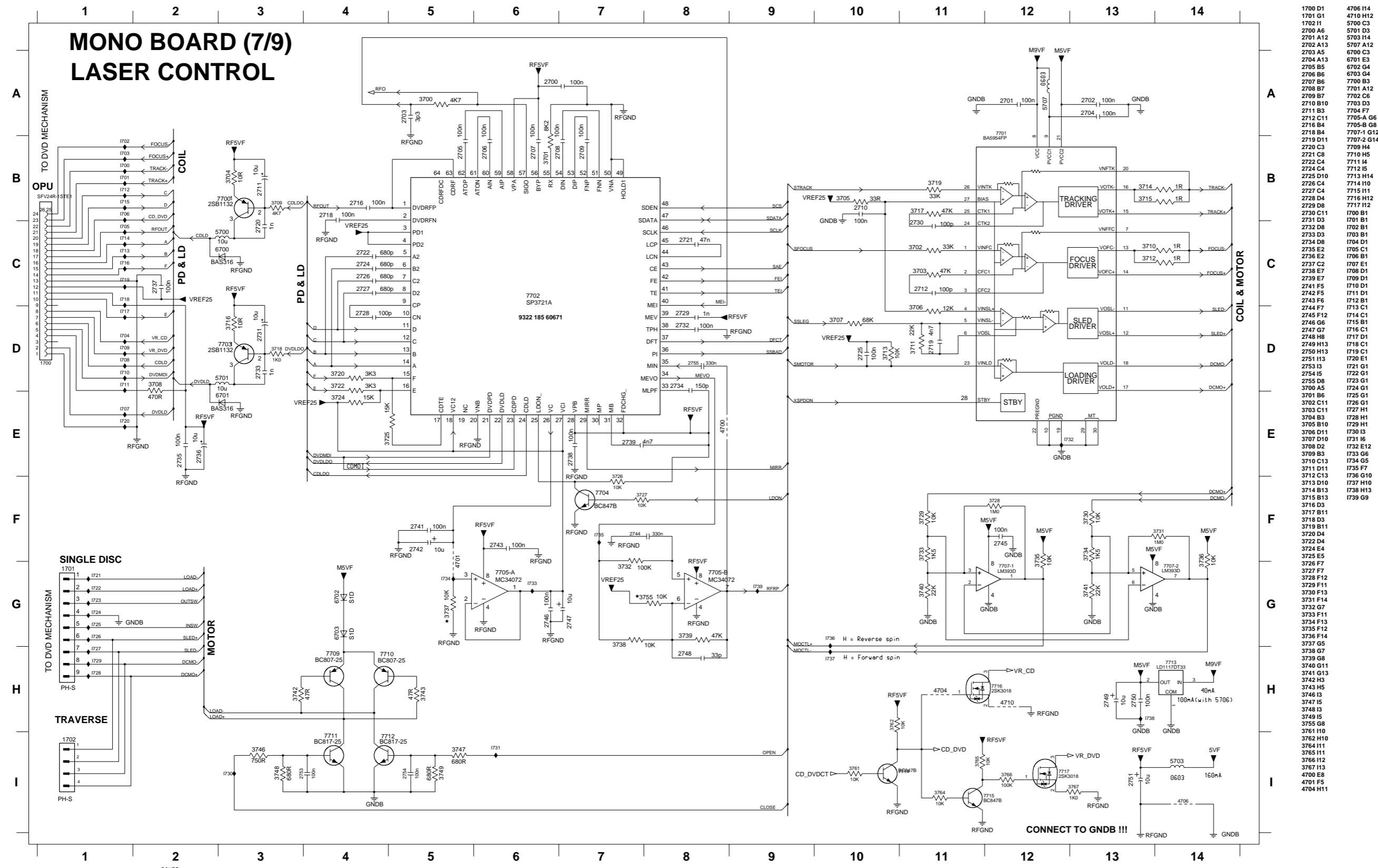
* Components having special characteristics are marked with a triangle symbol and must be replaced with parts having specifications equal to those originally installed. * Schematic diagram is subject to change without notice.

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

The first digit of a component indicates the component type.

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



- 1700 D1
- 1701 G1
- 1702 H1
- 1703 A6
- 1704 A2
- 1705 A13
- 1706 A5
- 1707 A3
- 1708 B6
- 1709 B7
- 1710 B10
- 1711 B3
- 1712 C11
- 1713 B4
- 1714 B8
- 1715 D11
- 1716 C3
- 1717 C8
- 1718 C11
- 1719 B3
- 1720 C3
- 1721 C8
- 1722 C4
- 1723 D10
- 1724 C4
- 1725 D10
- 1726 C4
- 1727 C4
- 1728 D4
- 1729 D8
- 1730 C11
- 1731 D3
- 1732 B1
- 1733 D3
- 1734 D8
- 1735 C1
- 1736 E2
- 1737 C2
- 1738 E7
- 1739 E7
- 1740 F5
- 1741 F5
- 1742 F5
- 1743 F6
- 1744 F7
- 1745 F12
- 1746 G6
- 1747 G7
- 1748 H8
- 1749 H13
- 1750 H13
- 1751 H3
- 1752 I3
- 1753 I3
- 1754 I5
- 1755 D8
- 1756 A5
- 1757 B1
- 1758 G1
- 1759 C11
- 1760 B3
- 1761 B3
- 1762 B3
- 1763 B10
- 1764 D11
- 1765 D10
- 1766 D2
- 1767 B3
- 1768 D3
- 1769 B3
- 1770 D10
- 1771 I6
- 1772 E12
- 1773 G6
- 1774 C13
- 1775 G5
- 1776 F7
- 1777 F7
- 1778 F12
- 1779 F11
- 1780 F13
- 1781 F14
- 1782 G7
- 1783 F11
- 1784 F13
- 1785 F12
- 1786 F4
- 1787 G5
- 1788 G7
- 1789 G8
- 1790 G11
- 1791 G13
- 1792 H3
- 1793 H5
- 1794 I3
- 1795 I3
- 1796 G8
- 1797 H0
- 1798 H10
- 1799 H10
- 1800 H11
- 1801 H11
- 1802 H11
- 1803 H12
- 1804 D3
- 1805 H4
- 1806 A12
- 1807 C3
- 1808 E3
- 1809 G4
- 1810 B3
- 1811 A12
- 1812 C3
- 1813 G4
- 1814 E3
- 1815 G4
- 1816 B3
- 1817 A12
- 1818 C3
- 1819 E3
- 1820 G4
- 1821 B3
- 1822 A12
- 1823 C3
- 1824 E3
- 1825 G4
- 1826 B3
- 1827 A12
- 1828 C3
- 1829 E3
- 1830 G4
- 1831 B3
- 1832 A12
- 1833 C3
- 1834 E3
- 1835 G4
- 1836 B3
- 1837 A12
- 1838 C3
- 1839 E3
- 1840 G4
- 1841 B3
- 1842 A12
- 1843 C3
- 1844 E3
- 1845 G4
- 1846 B3
- 1847 A12
- 1848 C3
- 1849 E3
- 1850 G4
- 1851 B3
- 1852 A12
- 1853 C3
- 1854 E3
- 1855 G4
- 1856 B3
- 1857 A12
- 1858 C3
- 1859 E3
- 1860 G4
- 1861 B3
- 1862 A12
- 1863 C3
- 1864 E3
- 1865 G4
- 1866 B3
- 1867 A12
- 1868 C3
- 1869 E3
- 1870 G4
- 1871 B3
- 1872 A12
- 1873 C3
- 1874 E3
- 1875 G4
- 1876 B3
- 1877 A12
- 1878 C3
- 1879 E3
- 1880 G4
- 1881 B3
- 1882 A12
- 1883 C3
- 1884 E3
- 1885 G4
- 1886 B3
- 1887 A12
- 1888 C3
- 1889 E3
- 1890 G4
- 1891 B3
- 1892 A12
- 1893 C3
- 1894 E3
- 1895 G4
- 1896 B3
- 1897 A12
- 1898 C3
- 1899 E3
- 1900 G4

POWER:
M9VF (GNDB)
5VF (GNDB)
->RF5VF (RFGND)
->M5VF (GNDB)

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* Schematic diagram is subject to change without notice.

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

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

MONO BOARD (8/9) FRONT END CONTROLLER

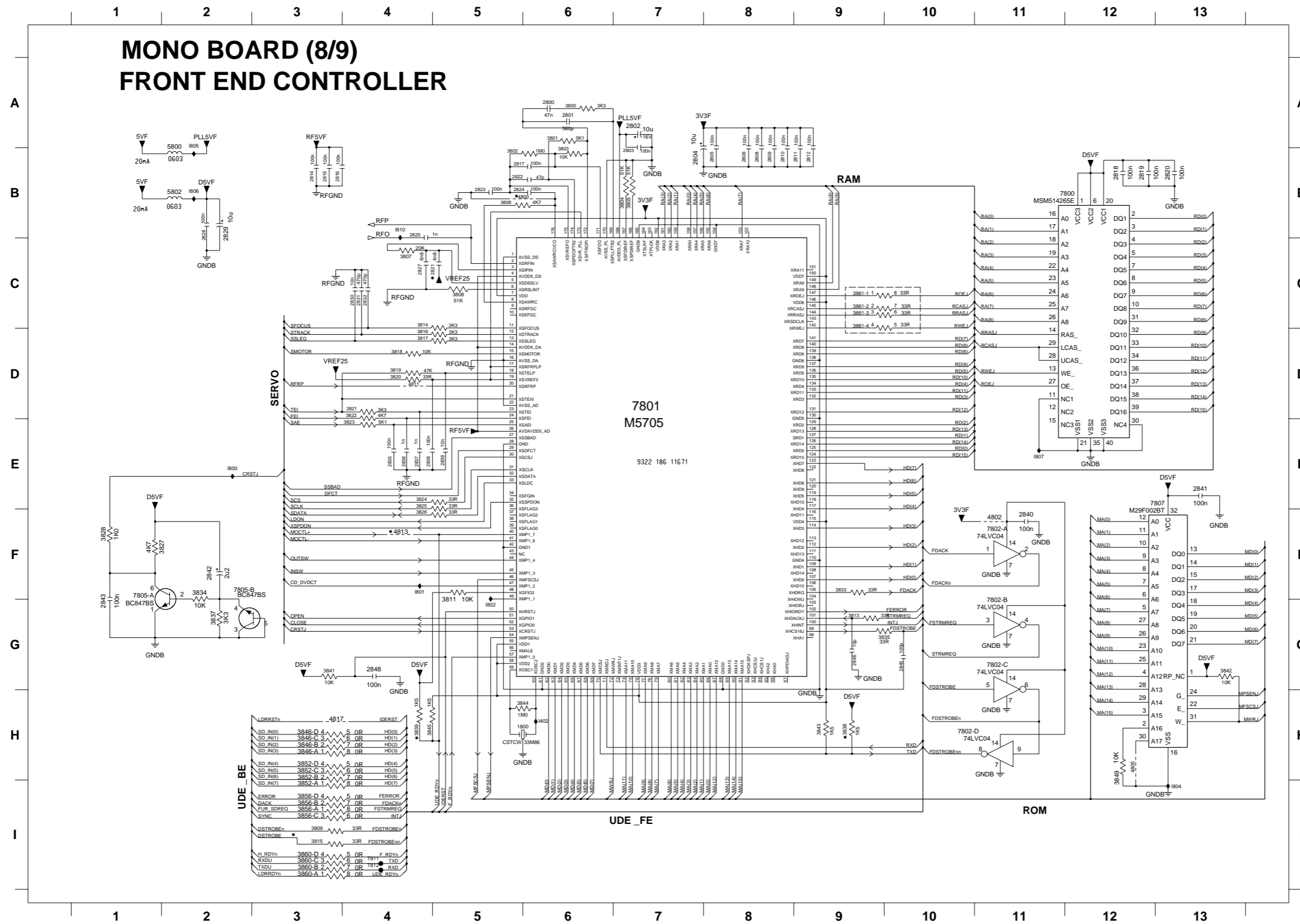


Table of component callouts including part numbers and designations such as 1800 H5, 2800 A6, 7801 D7, etc.

POWER : 5VF (GNDB) ->D5VF (GNDB) ->PLL5VF (GNDB) 3V3F (GNDB)

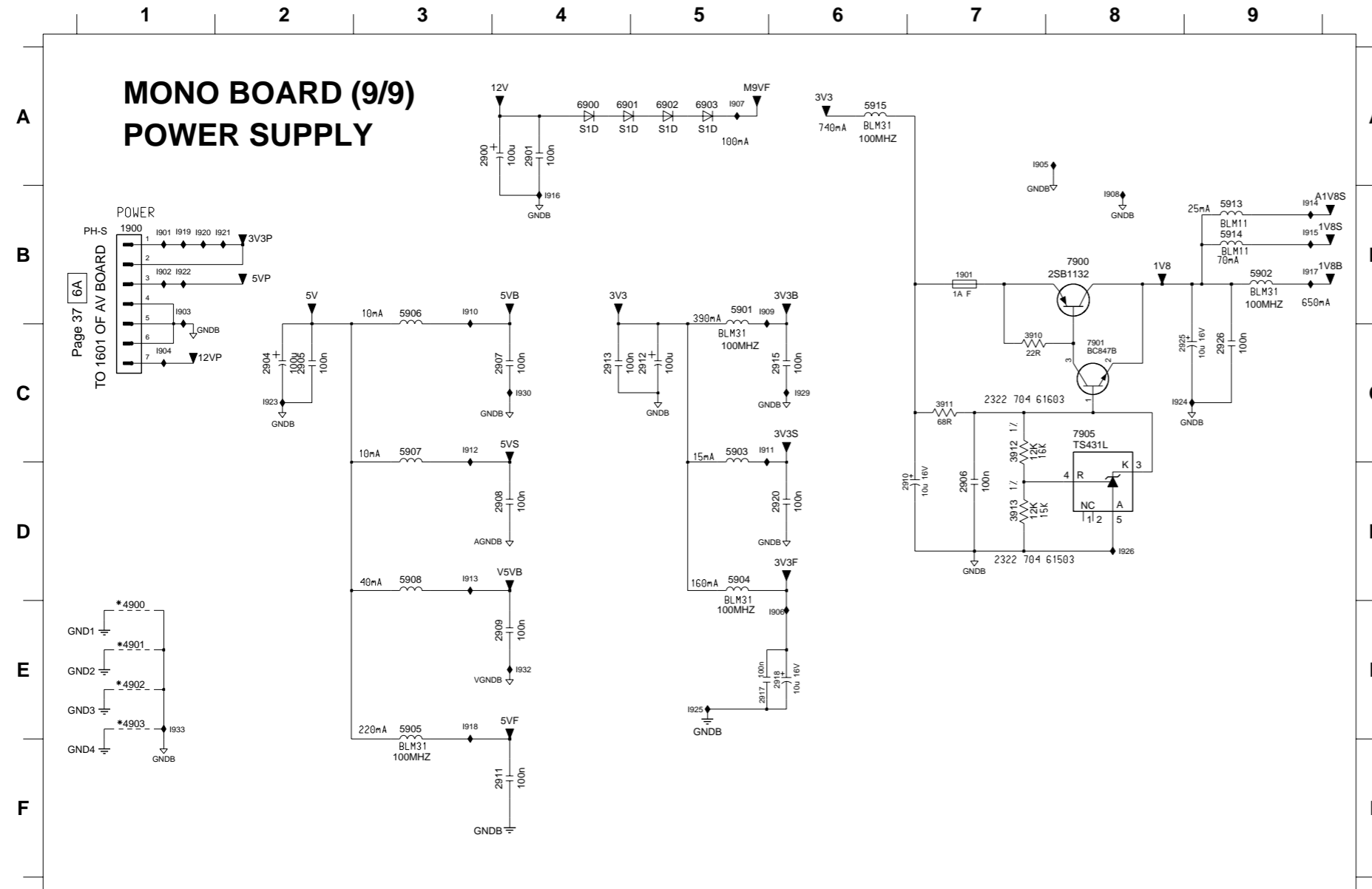
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■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



- 1900 B1
- 1901 B7
- 2900 A3
- 2901 A4
- 2904 C2
- 2905 C2
- 2906 D7
- 2907 C4
- 2908 D4
- 2909 E4
- 2910 D7
- 2911 F4
- 2912 C5
- 2913 C4
- 2915 C6
- 2917 E5
- 2918 E6
- 2920 D6
- 2925 C9
- 2926 C9
- 3910 C7
- 3911 C7
- 3912 C7
- 3913 D7
- 4900 E1
- 4901 E1
- 4902 E1
- 4903 E1
- 4905 E3
- 5902 B9
- 5903 C5
- 5904 D5
- 5905 E3
- 5906 B3
- 5907 C3
- 5908 D3
- 5913 B9
- 5914 B9
- 5915 A6
- 6900 A4
- 6901 A4
- 6902 A5
- 6903 A5
- 7900 B8
- 7901 C8
- 7905 C8
- 9901 B1
- 9902 B1
- 9903 B1
- 9904 C1
- 9905 A7
- 9906 E6
- 9907 A5
- 9908 B8
- 9909 B5
- 9910 B3
- 9911 C5
- 9912 C3
- 9913 D3
- 9914 B9
- 9915 B9
- 9916 B4
- 9917 B9
- 9918 E3
- 9919 B1
- 9920 B1
- 9921 B2
- 9922 B1
- 9923 C2
- 9924 C8
- 9925 E5
- 9926 D8
- 9929 C6
- 9930 C4
- 9932 E4
- 9933 E1

POWER:
12V (GNDB)
->M9VF (GNDB)
5V (GNDB)
->5VB (GNDB)
->5VS (GNDB)
->5V8B (VGND)
->5V8S (GNDB)
->5V8V (GNDB)
->5V8F (GNDB)
3V3 (GNDB)
->3V3B (GNDB)
->1V8B (GNDB)
->1V8S (GNDB)
->A1V8S (AGNDB)
->3V3S (GNDB)
->3V3F (GNDB)

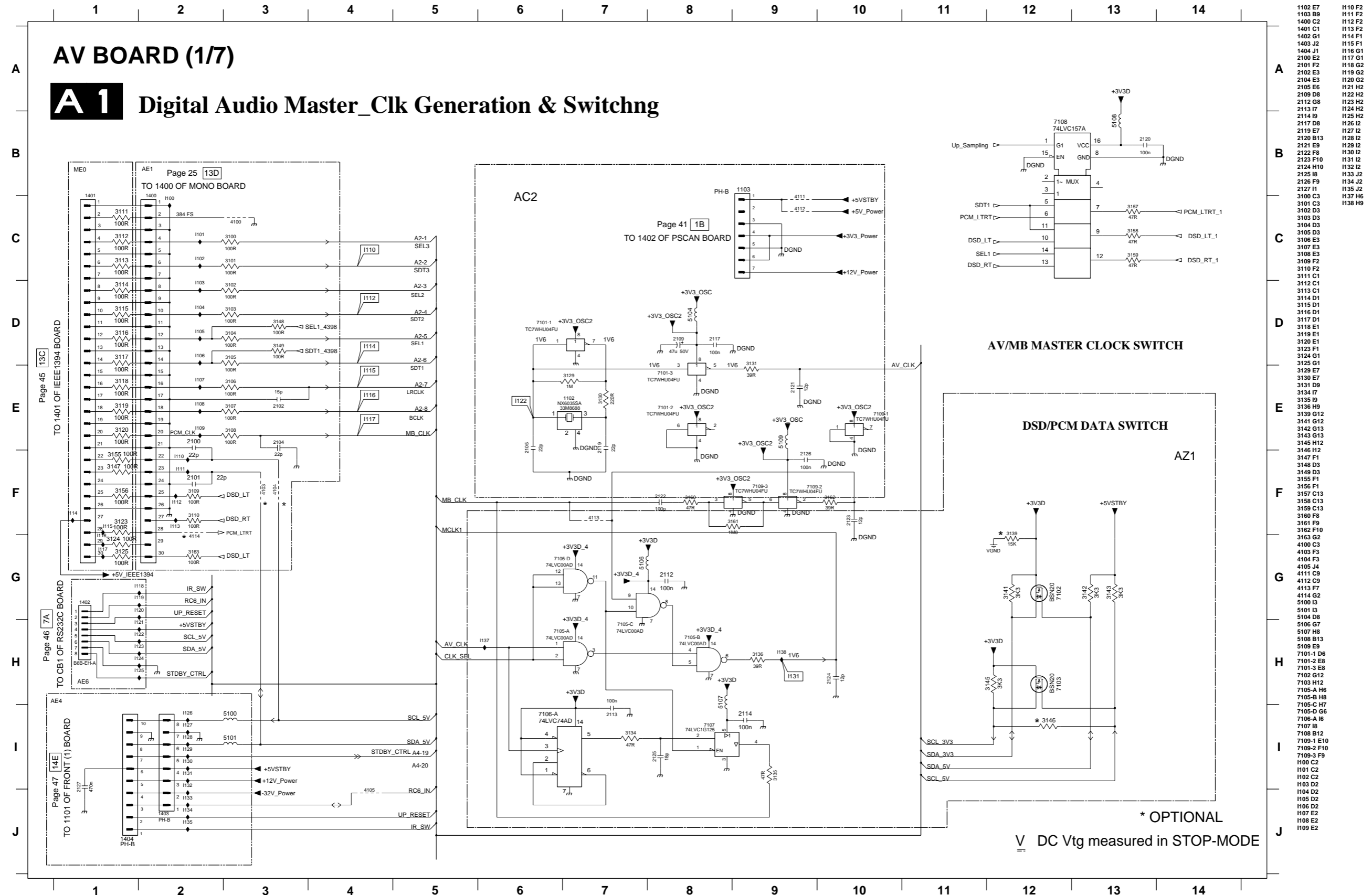
* Components having special characteristics are marked \triangle and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

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■ 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



- 1102 E7
- 1103 B9
- 1400 C2
- 1401 C1
- 1402 G1
- 1403 J2
- 1404 J1
- 2100 E2
- 2101 F2
- 2102 E3
- 2104 E3
- 2105 E6
- 2109 D8
- 2112 G8
- 2113 I7
- 2114 I9
- 2117 D8
- 2119 E7
- 2120 E3
- 2121 E9
- 2122 F8
- 2123 F10
- 2124 H10
- 2125 I8
- 2126 F9
- 2127 I1
- 3100 C3
- 3101 C3
- 3102 D3
- 3103 D3
- 3104 D3
- 3105 D3
- 3106 E3
- 3107 E3
- 3108 E3
- 3109 F2
- 3110 F2
- 3111 C1
- 3112 C1
- 3113 C1
- 3114 D1
- 3115 D1
- 3116 D1
- 3117 D1
- 3118 E1
- 3119 E1
- 3120 E1
- 3121 F1
- 3122 F1
- 3123 G1
- 3124 G1
- 3125 G1
- 3129 E7
- 3130 E7
- 3131 D9
- 3134 I7
- 3135 I9
- 3136 H9
- 3139 G12
- 3141 G12
- 3142 G13
- 3143 G13
- 3145 H12
- 3146 H12
- 3147 F1
- 3148 D3
- 3149 D3
- 3155 F1
- 3156 F1
- 3157 C13
- 3158 C13
- 3159 C13
- 3160 F8
- 3161 F9
- 3162 F10
- 3163 G2
- 4100 C3
- 4103 F3
- 4104 F3
- 4105 J4
- 4111 C9
- 4112 C9
- 4113 F7
- 4114 G2
- 5100 I3
- 5101 I3
- 5104 D8
- 5106 G7
- 5107 H8
- 5108 B13
- 5109 E9
- 7101-1 D6
- 7101-2 E8
- 7101-3 E8
- 7102 G12
- 7103 H12
- 7105-A H6
- 7105-C H7
- 7105-D G6
- 7106-A H6
- 7107 I8
- 7108 B12
- 7109-1 E10
- 7109-2 F10
- 7109-3 F9
- H100 C2
- H101 C2
- H102 C2
- H103 D2
- H104 D2
- H105 D2
- H106 D2
- H107 E2
- H108 E2
- H109 E2
- H110 F2
- H111 F2
- H112 F2
- H113 F2
- H114 F1
- H115 F1
- H116 G1
- H117 G1
- H118 G2
- H119 G2
- H120 G2
- H121 H2
- H122 H2
- H123 H2
- H124 H2
- H125 H2
- H126 I2
- H127 I2
- H128 I2
- H129 I2
- H130 I2
- H131 I2
- H132 I2
- H133 J2
- H134 J2
- H135 J2
- H137 H6
- H138 H9

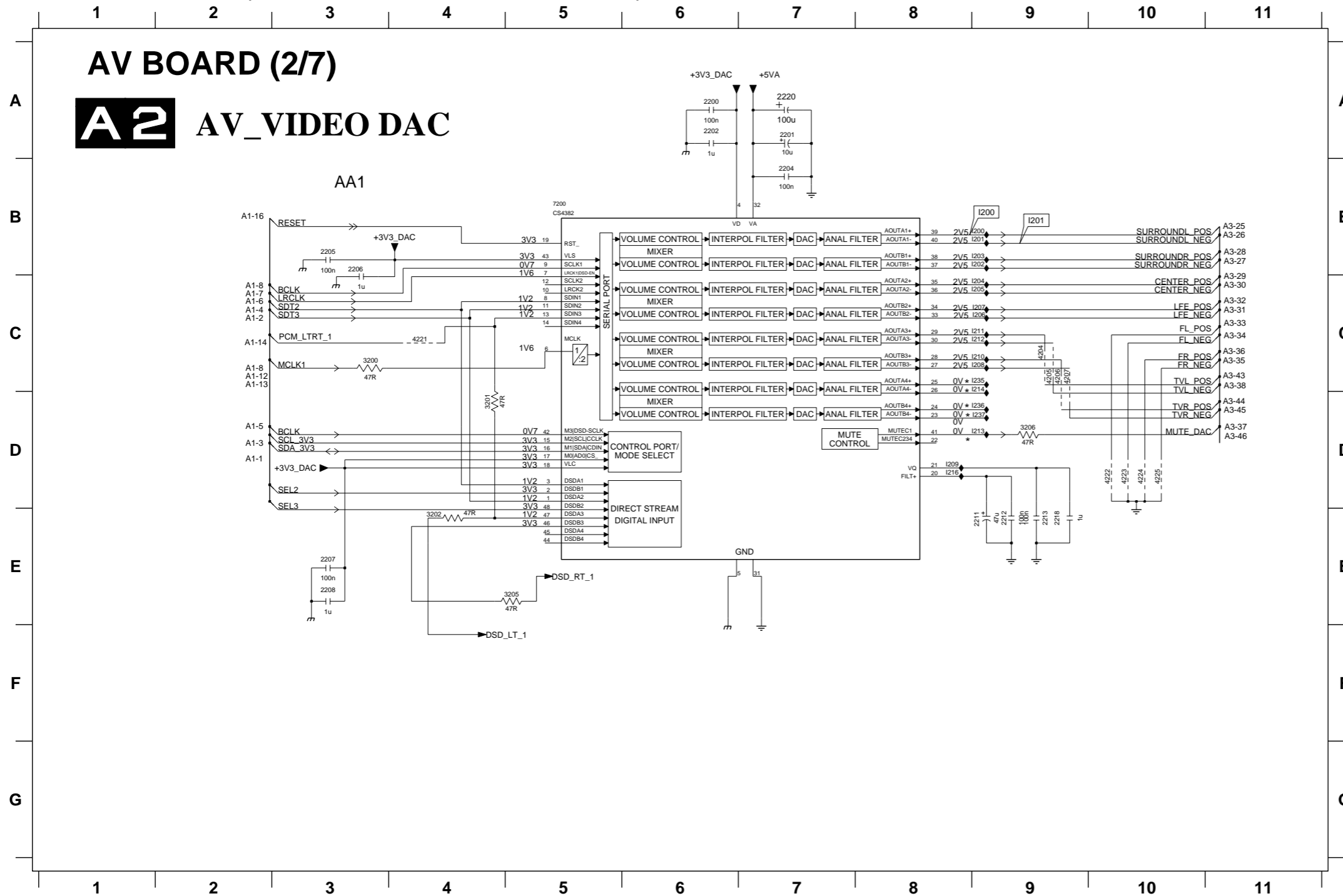
CLK_SEL	M_CLK
Hi	AV_CLK
Low	MB_CLK

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



- 2200 A6
- 2201 A7
- 2202 A6
- 2204 B7
- 2205 B3
- 2206 B3
- 2207 E3
- 2208 E3
- 2211 E9
- 2212 E9
- 2213 E9
- 2218 E9
- 2220 A7
- 3200 C3
- 3201 D4
- 3202 E4
- 3205 E5
- 3206 D9
- 4204 C9
- 4205 C9
- 4206 C9
- 4207 C9
- 4221 C4
- 4222 D10
- 4223 D10
- 4224 D10
- 4225 D10
- 7200 B5
- I200 B9
- I201 B9
- I202 B9
- I203 B9
- I204 C9
- I205 C9
- I206 C9
- I207 C9
- I208 C9
- I209 D8
- I210 C9
- I211 C9
- I212 C9
- I213 D9
- I214 C9
- I216 D8
- I235 C9
- I236 D9
- I237 D9

* OPTIONAL

V DC Vtg measured in STOP-MODE

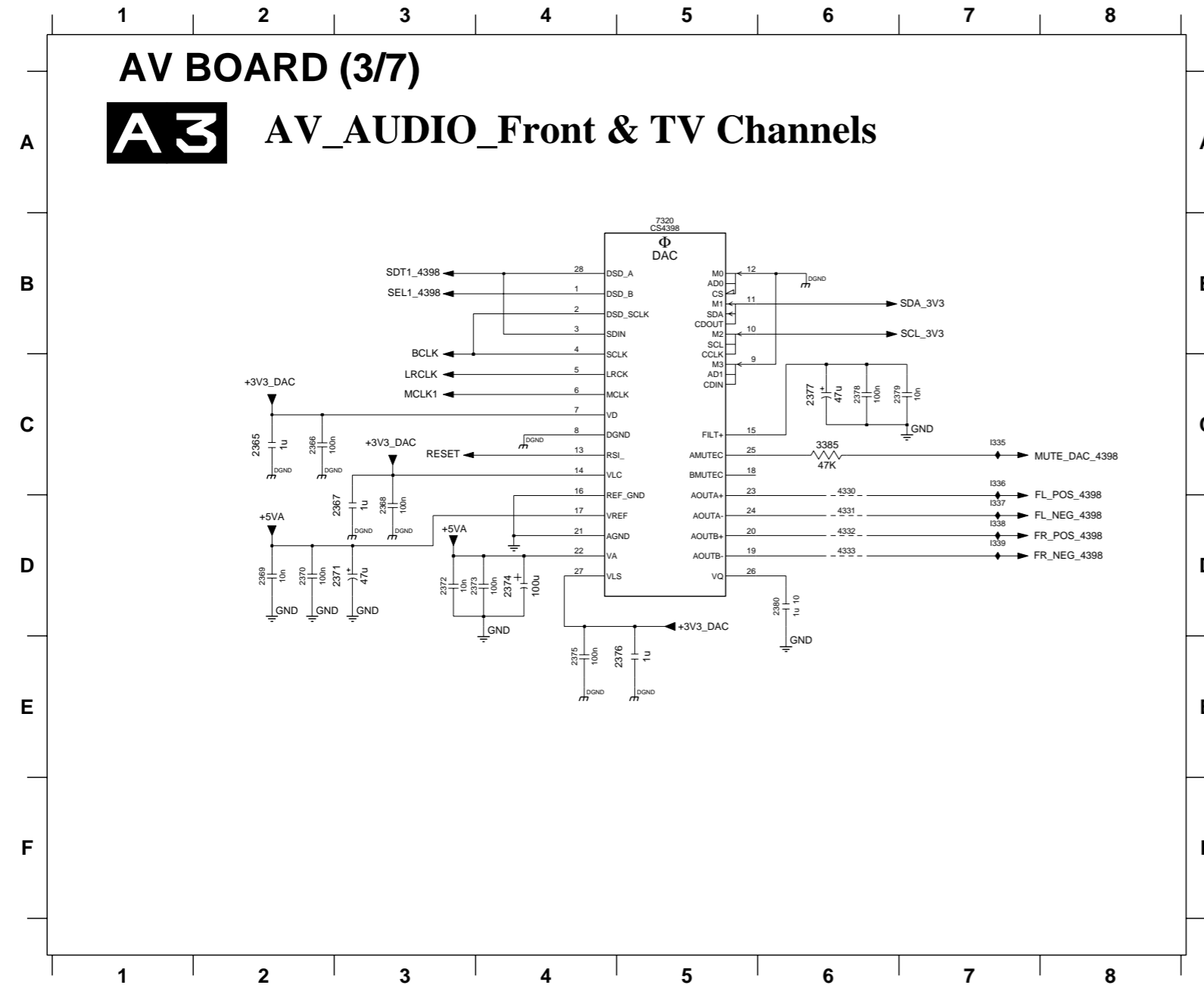
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2xxx : Capacitor 4xxx : SMD jumper 6xxx : Diode 9xxx : Wire jumper



- 2365 C2
- 2366 C2
- 2367 D3
- 2368 D3
- 2369 D2
- 2370 D2
- 2371 D3
- 2372 D3
- 2373 D4
- 2374 D4
- 2375 E4
- 2376 E5
- 2377 C6
- 2378 C6
- 2379 C7
- 2380 D6
- 3385 C6
- 4330 C6
- 4331 D6
- 4332 D6
- 4333 D6
- 7320 B5
- I335 C7
- I336 C7
- I337 D7
- I338 D7
- I339 D7

* 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.

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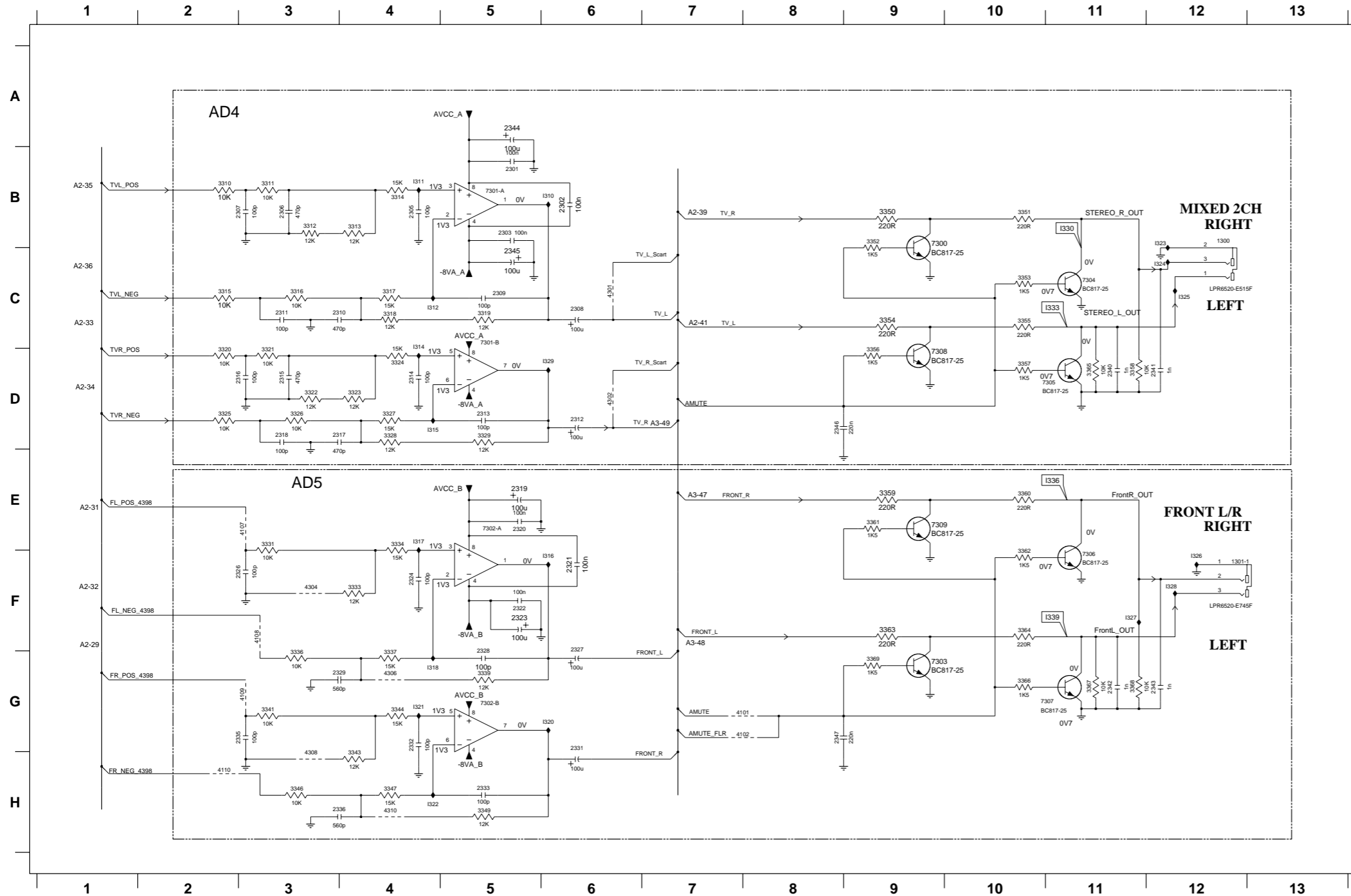
■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

AV BOARD (4/7)

A4 AV_AUDIO_Front & TV Channels

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 B12
- 1301-1 F12
- 2301 B5
- 2302 B6
- 2303 B5
- 2305 B4
- 2306 B3
- 2307 B3
- 2308 C6
- 2309 C5
- 2310 C3
- 2311 C3
- 2312 D6
- 2313 D5
- 2314 D4
- 2315 D3
- 2316 D3
- 2317 D3
- 2318 D3
- 2319 E5
- 2320 E5
- 2321 F6
- 2322 F5
- 2323 F5
- 2324 F4
- 2325 F3
- 2327 F6
- 2328 G5
- 2329 G3
- 2331 G6
- 2332 G4
- 2333 H5
- 2334 G3
- 2335 G3
- 2336 H3
- 2340 D11
- 2341 D12
- 2342 G11
- 2343 G12
- 2344 A5
- 2345 C5
- 2346 D8
- 2347 G8
- 3310 B2
- 3311 B3
- 3312 B3
- 3313 B4
- 3314 B4
- 3315 C2
- 3316 C3
- 3317 C4
- 3318 C4
- 3319 C5
- 3320 D2
- 3321 D3
- 3322 D3
- 3323 D4
- 3324 D4
- 3325 D2
- 3326 D3
- 3327 D4
- 3328 D4
- 3329 D5
- 3331 E3
- 3333 F4
- 3334 E4
- 3336 G3
- 3337 G4
- 3339 G5
- 3341 G3
- 3343 H4
- 3344 G4
- 3346 H3
- 3347 H4
- 3349 H5
- 3350 B9
- 3351 B10
- 3352 B9
- 3353 C10
- 3354 C9
- 3355 C10
- 3356 D9
- 3357 D10
- 3358 D11
- 3359 E9
- 3360 E10
- 3361 E9
- 3362 F10
- 3363 F9
- 3364 F10
- 3365 D11
- 3366 G10
- 3367 G11
- 3368 G11
- 3369 G9
- 4101 G7
- 4102 G7
- 4107 E3
- 4108 F3
- 4109 G3
- 4110 H2
- 4301 C6
- 4302 D6
- 4304 F3
- 4306 G4
- 4308 H3
- 4310 H4
- 7300 B9
- 7301-A B5
- 7301-B C5
- 7302-A E5
- 7302-B G5
- 7303 G9
- 7304 C11
- 7305 D10
- 7306 F11
- 7307 G10
- 7308 D9
- 7309 E9
- I310 B6
- I311 B4
- I312 C4
- I314 C4
- I315 D4
- I316 F6
- I317 E4
- I318 G4
- I320 G6
- I321 G4
- I322 H4
- I323 B12
- I324 C12
- I325 C12
- I326 F12
- I327 F11
- I328 F12
- I329 D6

* OPTIONAL V DC Vtg measured in STOP-MODE

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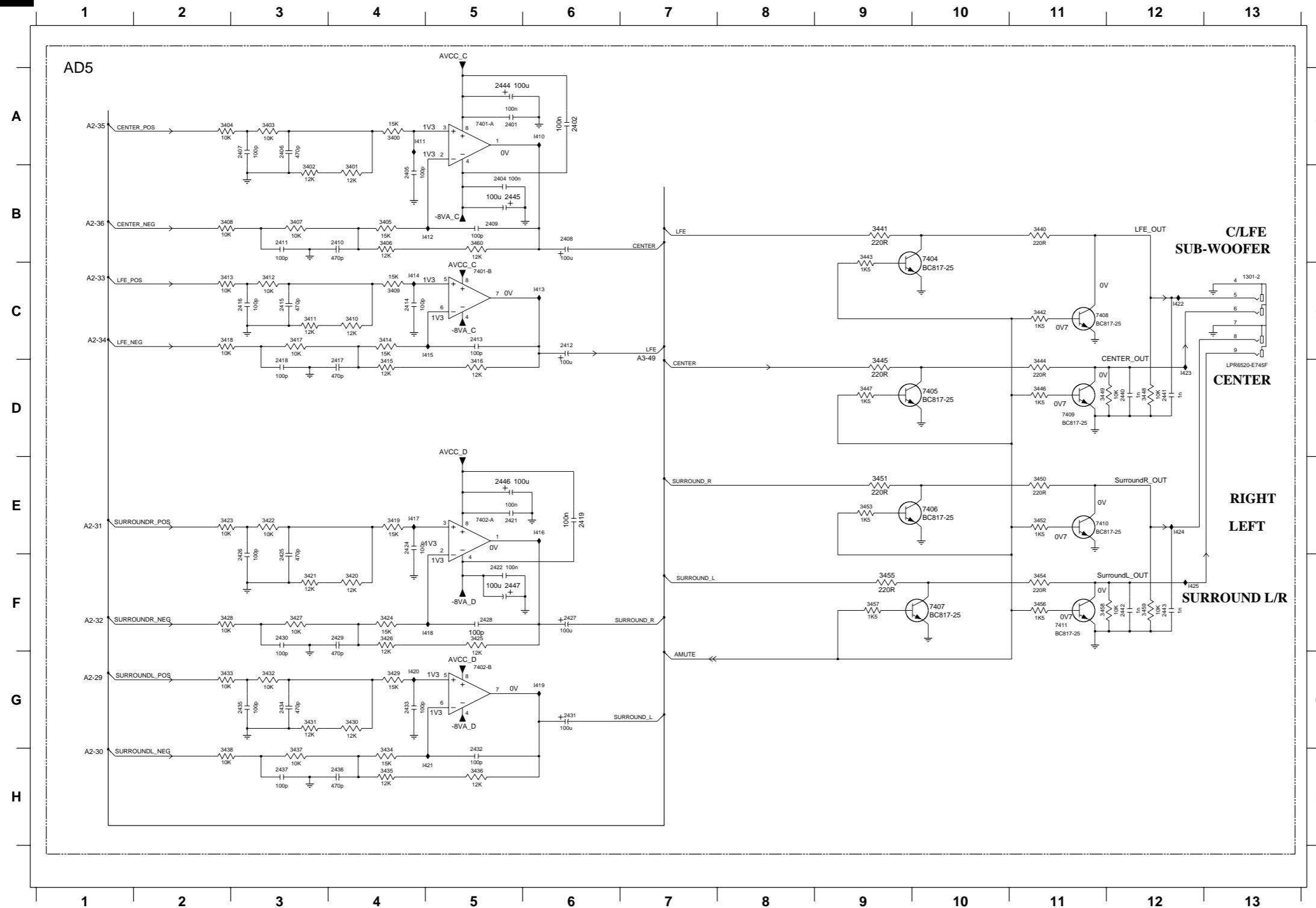
■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

AV BOARD (5/7)

A5 AV_AUDIO_C/FE & Surround Channels

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



- 1301-2 C13
- 2401 A5
- 2402 A6
- 2404 B5
- 2405 B4
- 2406 A3
- 2407 A3
- 2408 B6
- 2409 B5
- 2410 B4
- 2411 B3
- 2412 C6
- 2413 C5
- 2414 C4
- 2415 C3
- 2416 C3
- 2417 D4
- 2418 D3
- 2419 E6
- 2421 E5
- 2422 F5
- 2424 E4
- 2425 F3
- 2426 F3
- 2427 F6
- 2428 F5
- 2429 F4
- 2430 F3
- 2431 G6
- 2432 H5
- 2433 G4
- 2434 G3
- 2435 G3
- 2436 H4
- 2437 H3
- 2440 D12
- 2441 D12
- 2442 F12
- 2443 F12
- 2444 A5
- 2445 B5
- 2446 E5
- 2447 F5
- 3400 A4
- 3401 B4
- 3402 B3
- 3403 A3
- 3404 A2
- 3405 B4
- 3406 B4
- 3407 B3
- 3408 B2
- 3409 C4
- 3410 C4
- 3411 C3
- 3412 C3
- 3413 C2
- 3414 C4
- 3415 D4
- 3416 D5
- 3417 C3
- 3418 C2
- 3419 E4
- 3420 F4
- 3421 F3
- 3422 E3
- 3423 E2
- 3424 F4
- 3425 F5
- 3426 F4
- 3427 F3
- 3428 F2
- 3429 G4
- 3430 G4
- 3431 G3
- 3432 G3
- 3433 G2
- 3434 H4
- 3435 H4
- 3436 H5
- 3437 H3
- 3438 H2
- 3440 B11
- 3441 B9
- 3442 C11
- 3443 B9
- 3444 D11
- 3445 D9
- 3446 D11
- 3447 D9
- 3448 D12
- 3449 D11
- 3450 E11
- 3451 E9
- 3452 E11
- 3453 E9
- 3454 F11
- 3455 F9
- 3456 F11
- 3457 F9
- 3458 F11
- 3459 F12
- 3460 B5
- 7401-A A5
- 7401-B C5
- 7402-A E5
- 7402-B G5
- 7404 B10
- 7405 D10
- 7406 E10
- 7407 F10
- 7408 C11
- 7409 D11
- 7410 E11
- 7411 F11
- I410 A6
- I411 A4
- I412 B5
- I413 C6
- I414 C4
- I415 C5
- I416 E6
- I417 E4
- I418 F5
- I419 G6
- I420 G4
- I421 H5
- I422 C12
- I423 D12
- I424 E12
- I425 F12

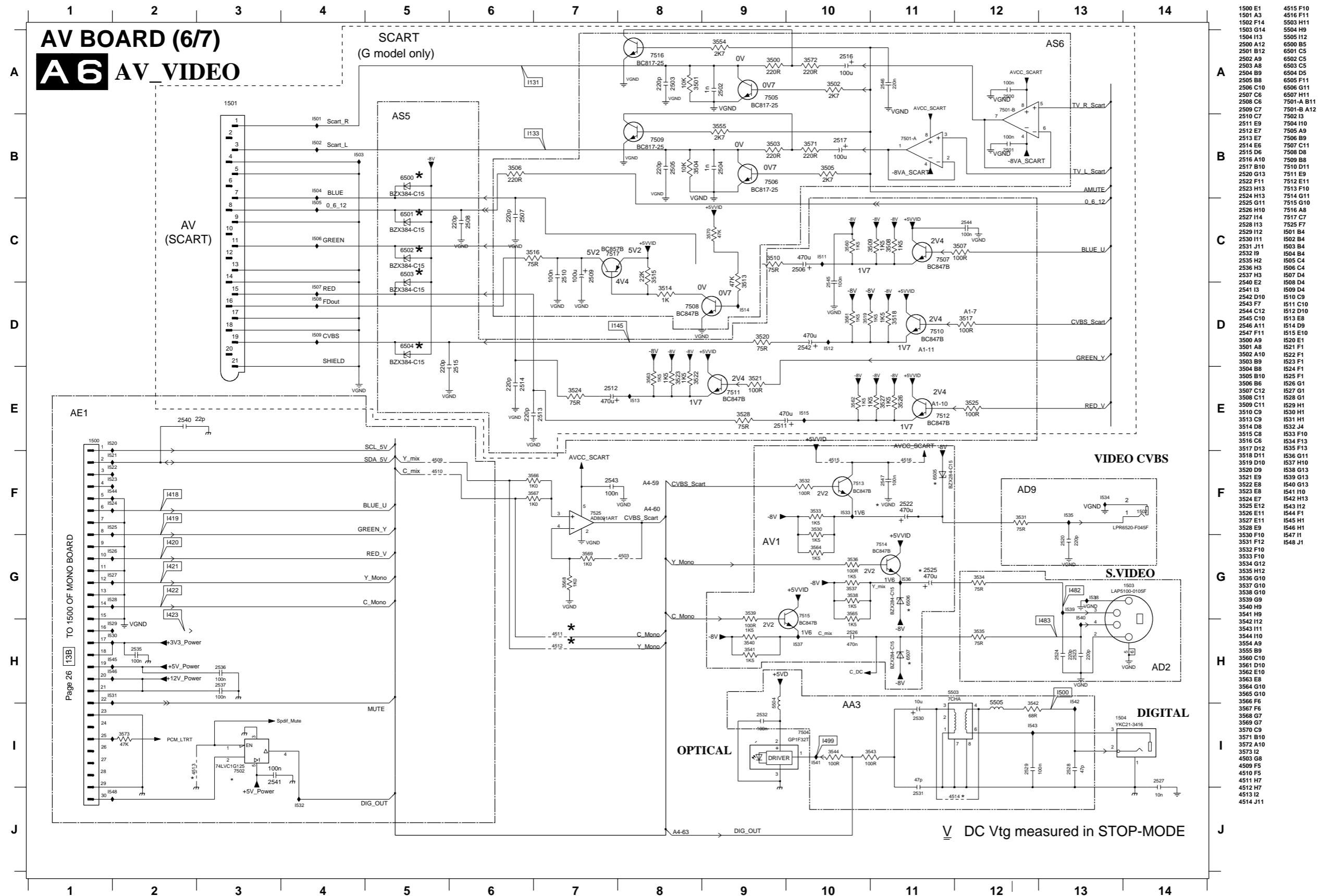
* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

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

The first digit of a component indicates the component type.

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



* 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.

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

AV BOARD (7/7)

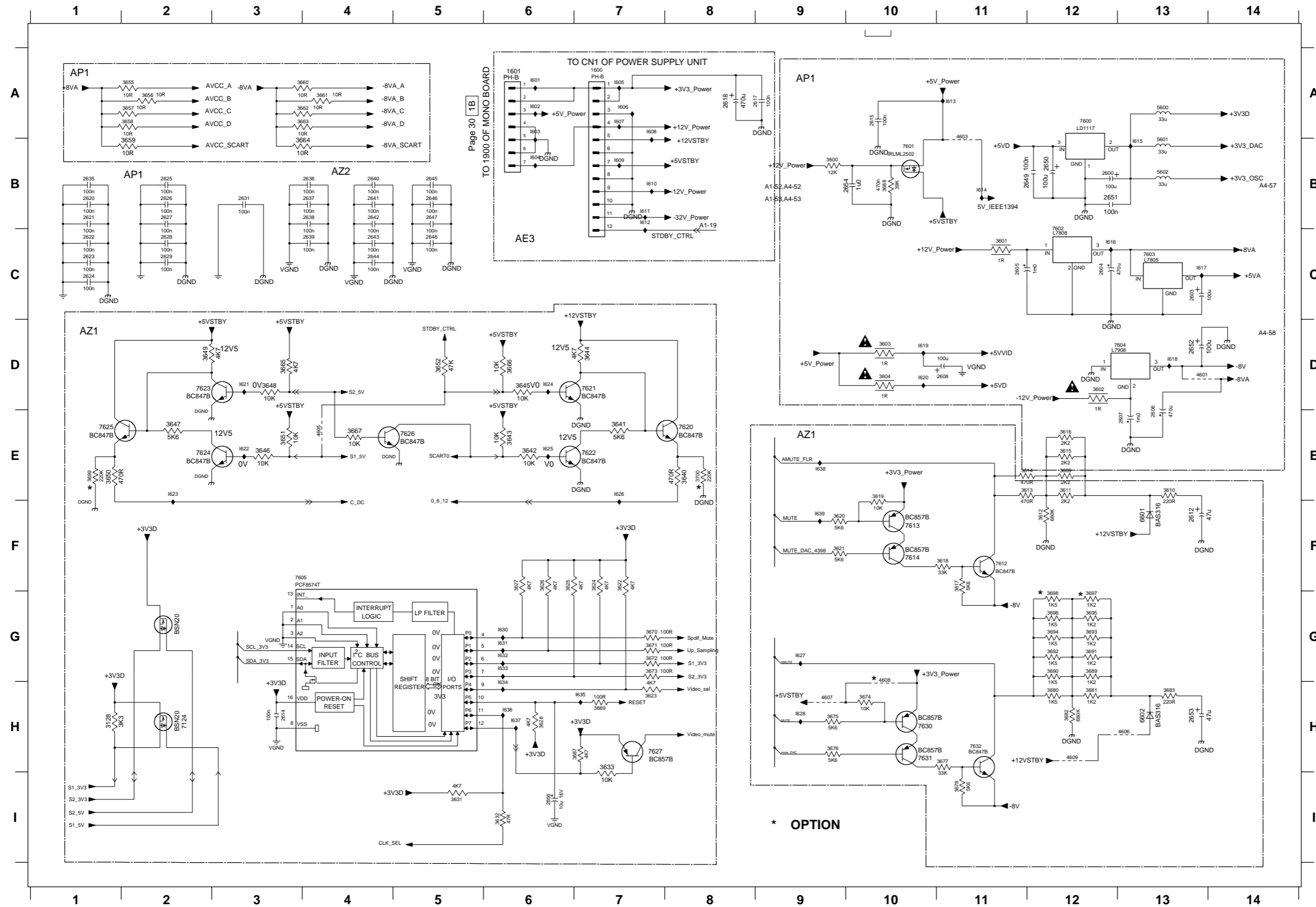
A7

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.

- * Δ 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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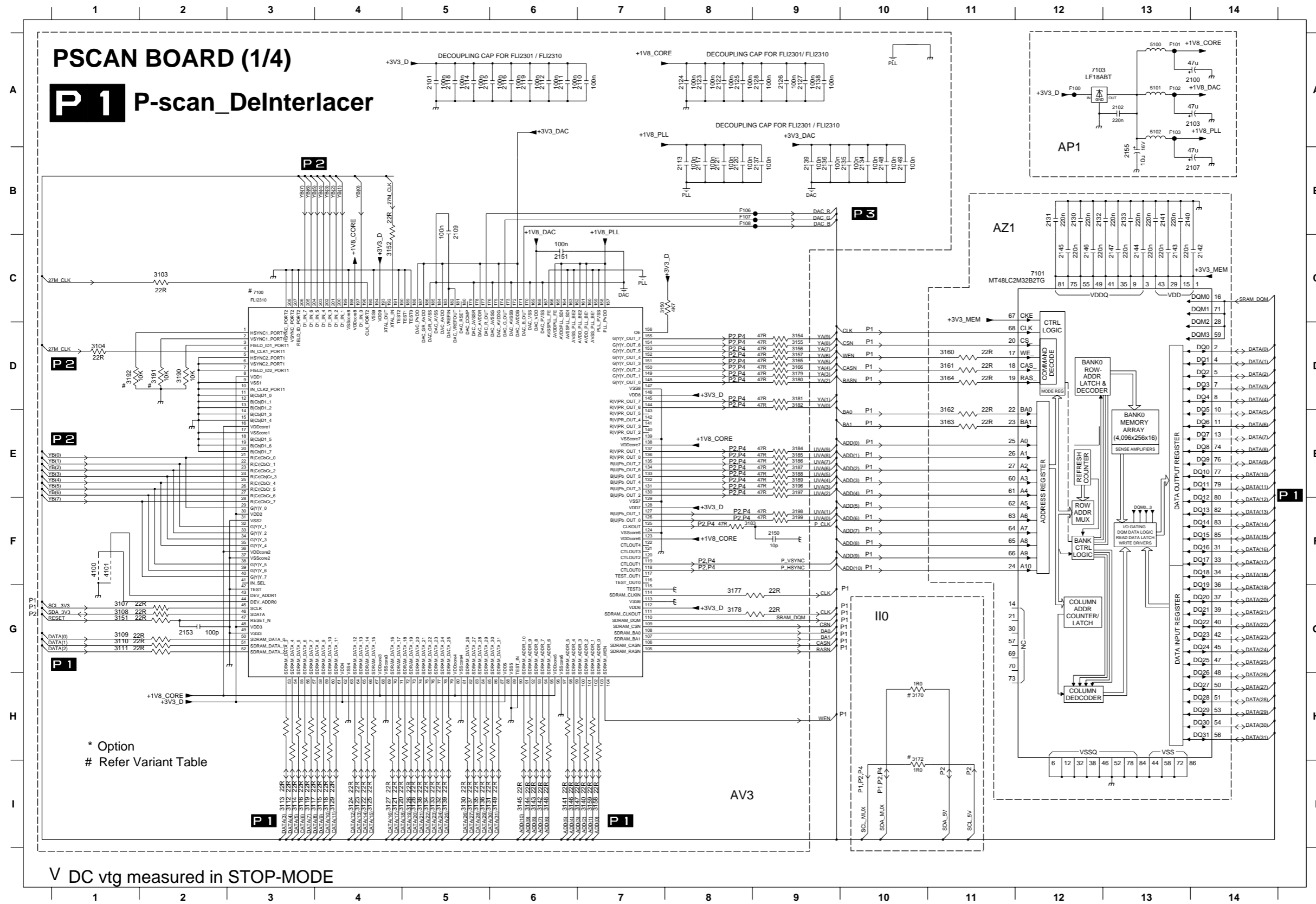


1600 A7	3665 D3
1601 A6	3666 D6
2600 B12	3667 E4
2603 C13	3669 H7
2604 C12	3670 G7
2605 C11	3671 G7
2606 E13	3672 G7
2607 E13	3673 G7
2608 D11	3674 H10
2611 C9	3675 H9
2612 F13	3676 H9
2614 H3	3677 H11
2615 A10	3678 H11
2617 A9	3680 H12
2618 A8	3681 H12
2620 B1	3682 H12
2621 B1	3683 H13
2622 C1	3687 H7
2623 C1	3688 B10
2624 C1	3689 G12
2625 B2	3690 G12
2626 B2	3691 G12
2627 B2	3692 G12
2628 C2	3693 G12
2629 C2	3694 G12
2631 B3	3695 G12
2635 B3	3696 G12
2636 B4	3697 G12
2637 B4	3698 G12
2638 B4	3699 E1
2639 C4	3700 E8
2640 B4	4601 D13
2641 B4	4603 B11
2642 B4	4605 E4
2643 C4	4606 H13
2644 C4	4607 H9
2645 B5	4608 H10
2646 B5	4609 H12
2647 B5	5600 A13
2648 C5	5601 B13
2649 B12	5602 B13
2650 B12	6601 F13
2651 B12	6602 H13
2652 D13	7122 G2
2653 H13	7124 H2
2654 B10	7600 A12
2656 I6	7601 B10
3128 H1	7602 C12
3600 B9	7603 C13
3601 C11	7604 D13
3602 D12	7605 F3
3603 D10	7612 F11
3604 D10	7613 F10
3609 E12	7614 F10
3610 E13	7620 E8
3611 E12	7621 D7
3612 F12	7622 E7
3613 E11	7623 D2
3614 E11	7624 E2
3615 E12	7625 E1
3616 E12	7626 E5
3617 F11	7627 H7
3618 F11	7630 H10
3619 E10	7631 H10
3620 F9	7632 H11
3621 F9	8601 A6
3622 F7	8602 A6
3623 H7	8603 A6
3624 F7	8604 B6
3625 F6	8605 A7
3626 F6	8606 A7
3627 F6	8607 A7
3628 H6	8608 A7
3631 I5	8609 B7
3632 I6	8610 B7
3633 H7	8611 B7
3640 E8	8612 B7
3641 E7	8613 A11
3642 E6	8614 B11
3643 E6	8615 B13
3644 D7	8616 C12
3645 D6	8617 C13
3646 E3	8618 D13
3647 E2	8619 D10
3648 D3	8620 D10
3649 D2	8621 D3
3650 E1	8622 E3
3651 E3	8623 E2
3652 D5	8624 D6
3655 A2	8625 E6
3656 A2	8626 E7
3657 A2	8627 G9
3658 A2	8628 H9
3659 B2	8630 G6
3660 A4	8631 G6
3661 A4	8632 G6
3662 A4	8633 G6
3663 A4	8634 H6
3664 B4	8635 H7
	8636 H6
	8637 H6
	8638 E9
	8639 F9

SCHEMATIC DIAGRAM FOR INFORMATION ONLY (NO REPLACEMENT 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
- 8xxx : Diode
- 9xxx : Wire jumper



2100	A14	3163	E11
2101	A5	3164	D11
2102	A13	3165	D9
2103	A14	3166	D9
2107	B14	3170	H10
2109	B5	3172	H10
2110	A7	3177	G8
2111	A6	3178	G8
2112	A6	3179	D9
2113	B8	3180	D9
2114	A5	3181	D9
2115	A5	3182	D9
2116	A6	3183	F8
2117	B8	3184	E9
2118	A5	3185	E9
2119	A6	3186	E9
2120	B8	3187	E9
2121	B8	3188	E9
2122	A8	3189	E9
2123	A8	3190	D2
2124	A8	3191	D2
2125	A8	3192	D1
2126	A9	3196	E9
2127	A9	3197	E9
2128	A9	3198	F9
2130	B12	3199	F9
2131	B12	4100	F1
2132	B12	4101	F1
2133	B13	5100	A13
2134	B10	5101	A13
2135	B10	5102	A13
2136	B9	7100	C3
2137	B9	7101	C12
2138	A9	7103	A12
2139	B9	F100	A12
2140	B13	F101	A13
2141	B13	F102	A13
2142	C14	F103	A13
2143	C13	F106	B8
2144	C13	F107	B8
2145	C12	F108	B8
2146	C12	F108	B8
2147	C13		
2148	B10		
2149	B10		
2150	F9		
2151	G2		
2152	G6		
2153	C2		
2154	B13		
2155	B3		
2156	C10		
2157	G1		
2158	G1		
2159	G1		
2160	G1		
2161	G1		
2162	E11		

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* Schematic diagram is subject to change without notice.

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

PSCAN BOARD (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

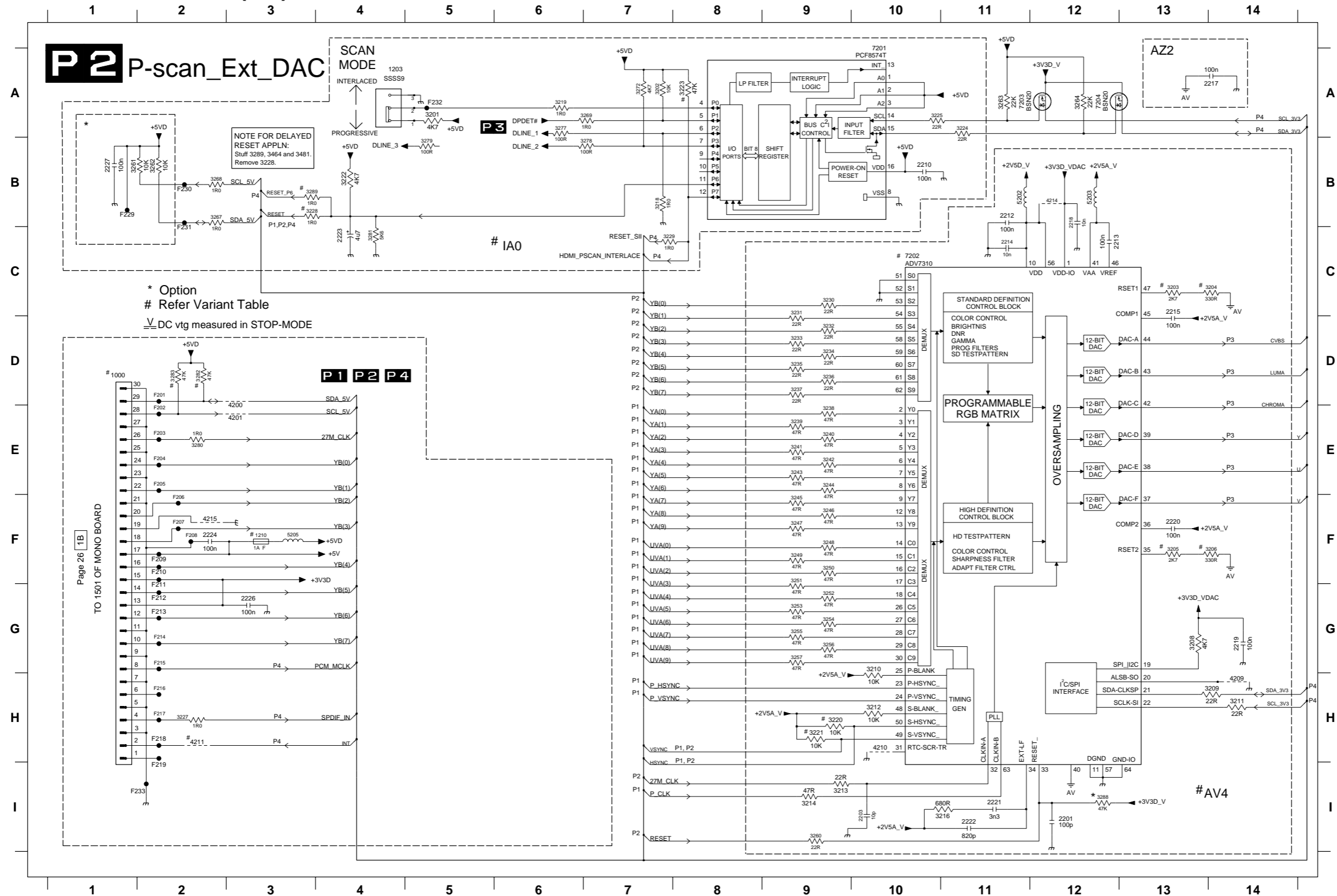


Table of component callouts including part numbers and values such as 1000 D1, 1203 A4, 1210 F3, etc.

Page 26 1B TO 1501 OF MONO BOARD

NOTE FOR DELAYED RESET APPLN: Stuff 3289, 3464 and 3481. Remove 3228.

* Option # Refer Variant Table DC vtg measured in STOP-MODE

NOTE FOR DVDR755 APPLN: If 5V for HDMI socket from external source, 5205 is in to supply 5V circuitry. 5206 is out and provisional. See P4.

NOTE FOR VIDEO DAC 7202 APPLN: ADV7320 supports CGMS 625P. ADV7320 must be used for EU version. Running change to ADV7320 for other regions.

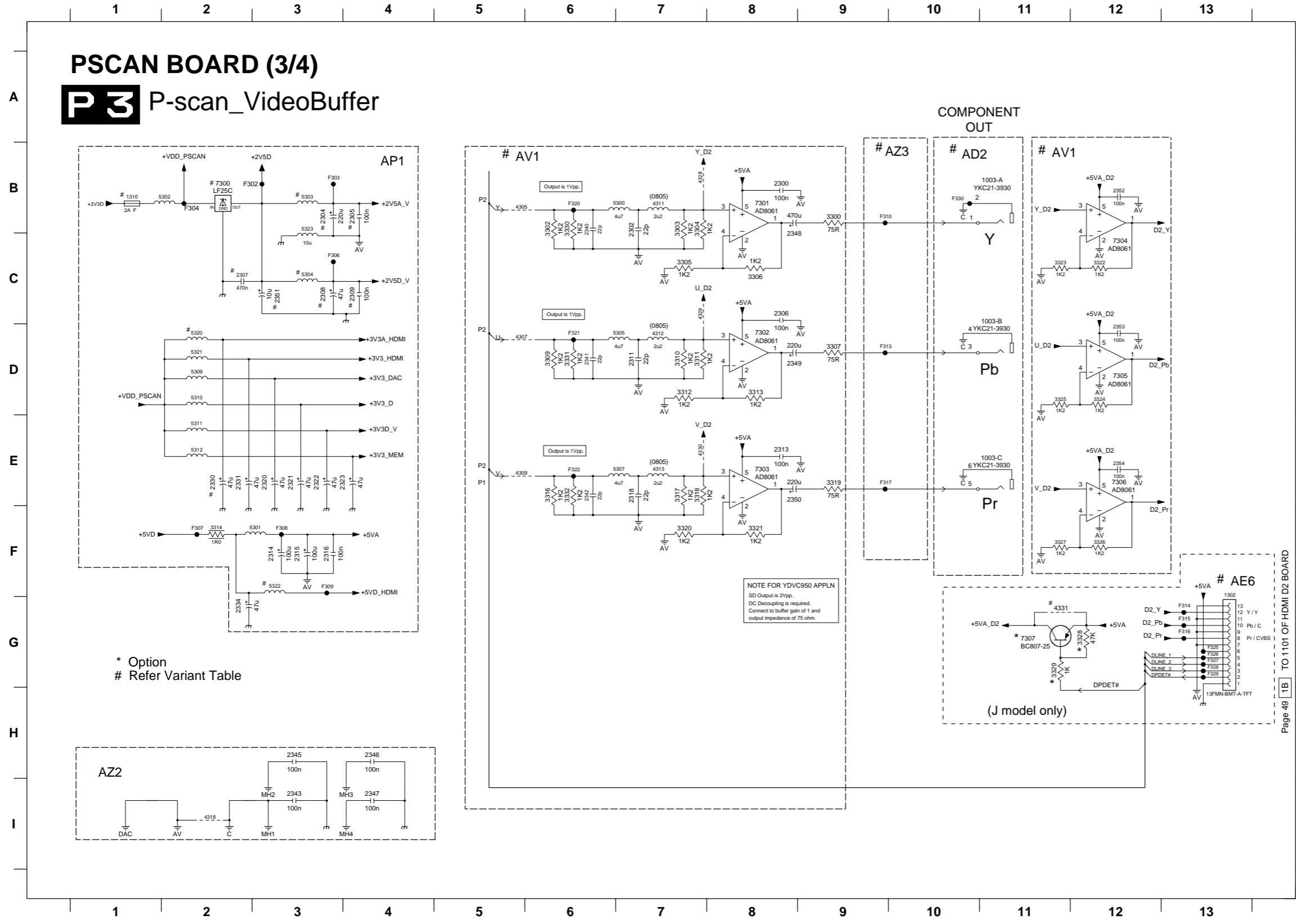
* Components having special characteristics are marked with a triangle symbol and must be replaced with parts having specifications equal to those originally installed. * Schematic diagram is subject to change without notice.

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■ 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



1003-A B11	4331 G11
1003-B C11	5300 B7
1003-C E11	5301 F3
1302 F13	5302 B2
1310 B1	5303 B3
2300 B8	5304 C3
2302 B7	5305 D7
2304 B3	5307 E7
2305 B4	5309 D2
2306 C8	5310 D2
2307 C2	5311 E2
2308 C3	5312 E2
2309 C4	5320 D2
2311 D7	5321 D2
2313 E8	5322 F3
2314 F3	5323 B3
2315 F3	7300 B2
2316 F3	7301 B8
2318 E7	7302 D8
2320 E3	7303 E8
2321 E3	7304 C12
2322 E3	7305 D12
2323 E4	7306 E12
2330 E2	7307 G11
2331 E2	F302 B2
2334 G2	F303 B3
2340 B6	F304 B2
2341 D6	F306 C3
2342 E6	F307 F2
2343 I3	F308 F3
2345 H3	F309 F3
2346 H4	F310 B9
2347 I4	F313 D9
2348 B8	F314 G13
2349 D8	F315 G13
2350 E8	F316 G13
2351 C3	F317 E9
2352 B12	F320 B6
2353 D12	F321 D6
2354 E12	F322 E6
3300 B9	F324 D13
3302 B6	F325 G13
3303 B7	F326 G13
3304 B7	F327 G13
3305 C7	F328 G13
3306 C8	F329 G13
3307 D9	F330 B10
3309 D6	
3310 D7	
3311 D7	
3312 D7	
3313 D8	
3314 F2	
3316 E6	
3317 E7	
3318 E7	
3319 E9	
3320 F7	
3321 F8	
3322 C12	
3323 C11	
3324 D12	
3325 D11	
3326 F12	
3327 F11	
3328 G12	
3329 G11	
3330 B6	
3331 D6	
3332 E6	
4305 B5	
4307 D5	
4309 E5	
4311 B7	
4312 D7	
4313 E7	
4318 I2	
4325 I2	
4328 B7	
4329 C7	
4330 E7	

* Option
Refer Variant Table

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* Schematic diagram is subject to change without notice.

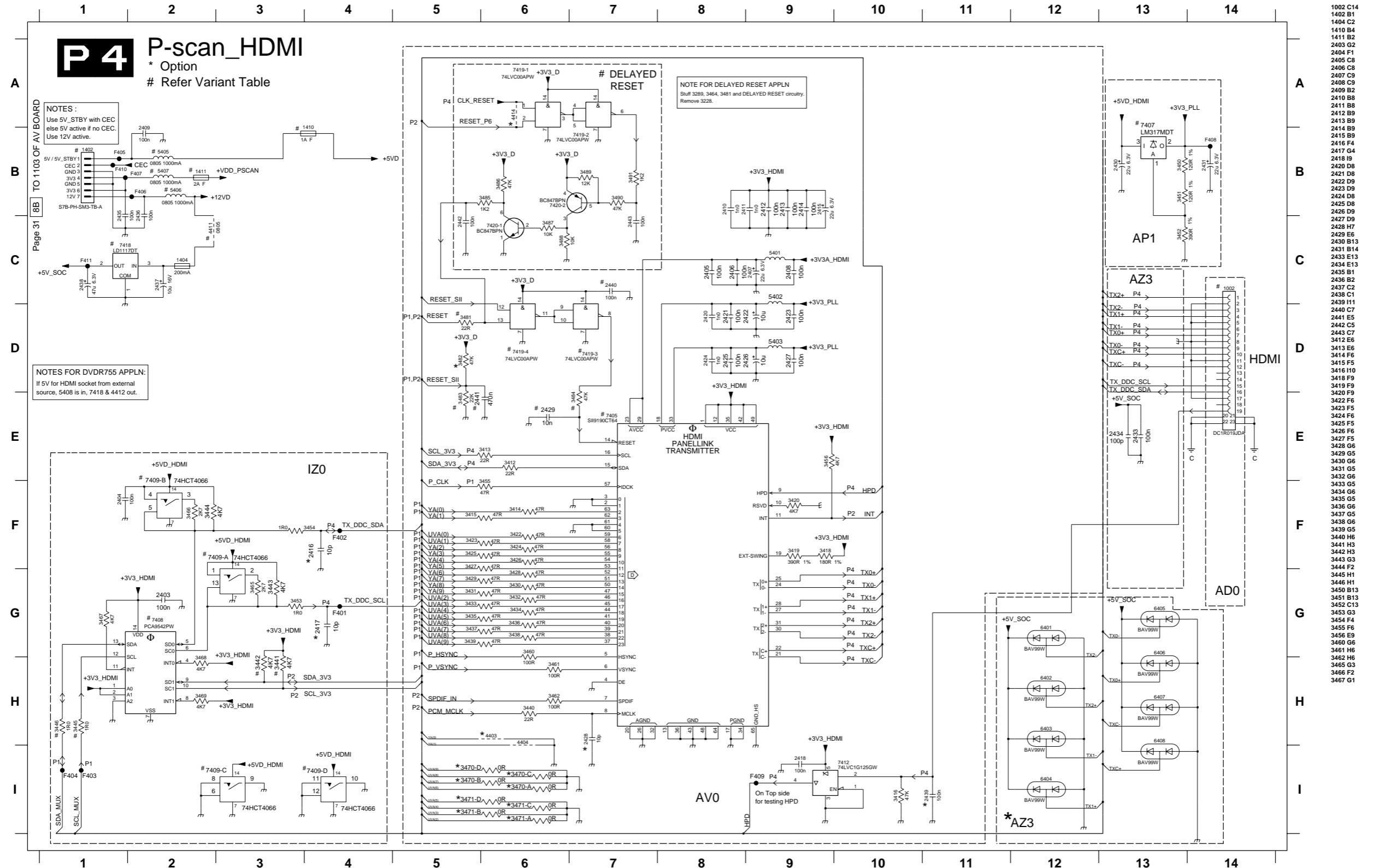
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■ SCHEMATIC DIAGRAM
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PSCAN BOARD (4/4)

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



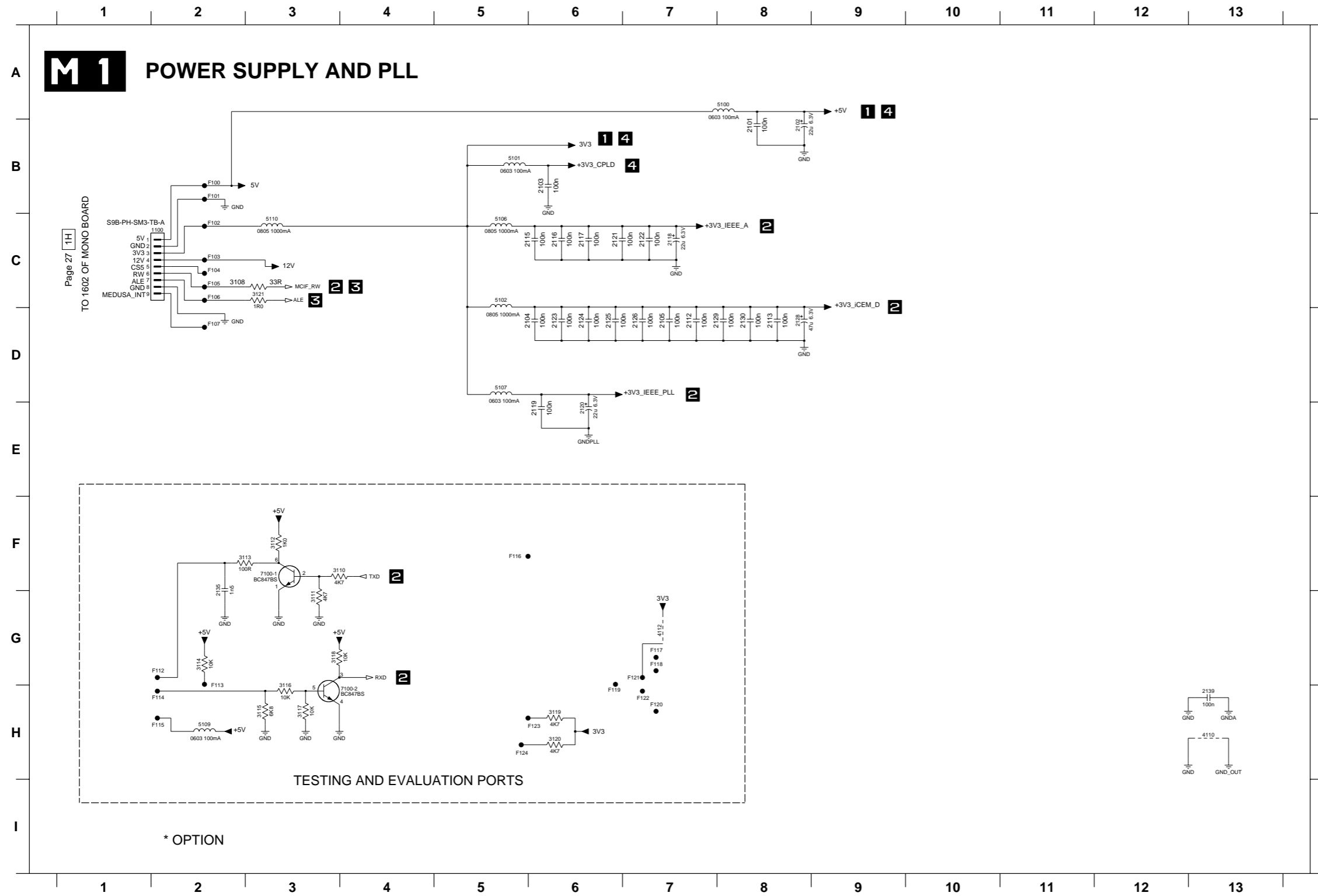
* Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

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■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)
IEEE1394 BOARD (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 C2
2101 B8
2102 B8
2103 B6
2104 D6
2105 D7
2112 D7
2113 D8
2115 C6
2116 C6
2117 C6
2118 C7
2119 E6
2120 E6
2121 C6
2122 C7
2123 D6
2124 D6
2125 D6
2126 D7
2127 E2
2128 D8
2129 D8
2130 D8
2135 F2
2139 H13
3108 C2
3110 F3
3111 G3
3112 F3
3113 F2
3114 G2
3115 H3
3116 H3
3117 H3
3118 G3
3119 H6
3120 H6
3121 C3
4108 F5
4110 H13
4112 G7
5100 A8
5101 B5
5102 C5
5106 C5
5107 D5
5109 H2
5110 C3
7100-1 F3
7100-2 H4
F100 B2
F101 B2
F102 C2
F103 C2
F104 C2
F105 C2
F106 C2
F107 D2
F109 B12
F110 B12
F111 C12
F112 G2
F113 H2
F114 H2
F115 H2
F116 F5
F117 G7
F118 G7
F119 H6
F120 H7
F121 G7
F122 H7
F123 H6
F124 H5

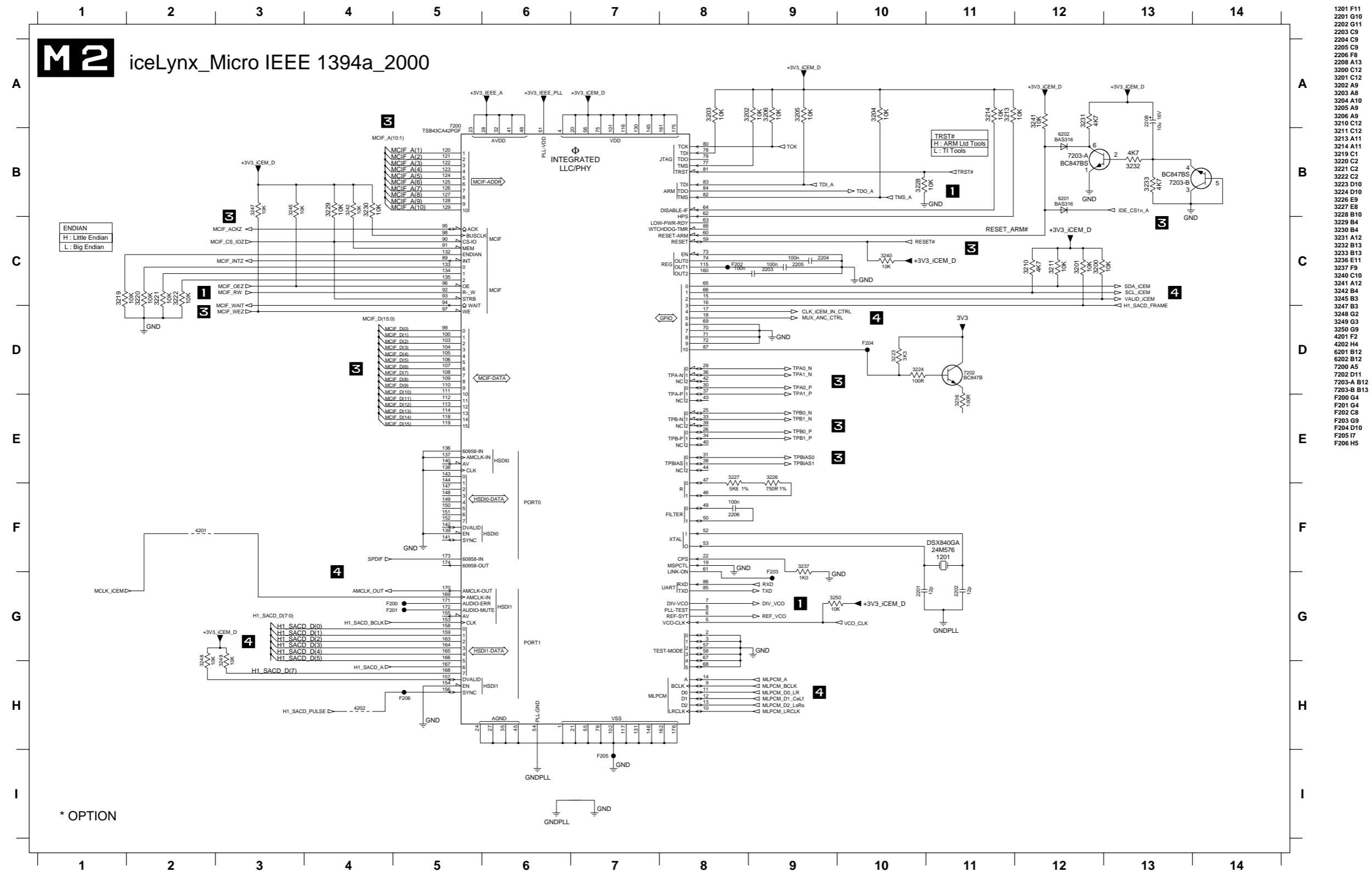
* Components having special characteristics are marked \triangle and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

* \triangle 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 REPLACEMENT PARTS WILL BE AVAILABLE)
IEEE1394 BOARD (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



* OPTION

* 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.

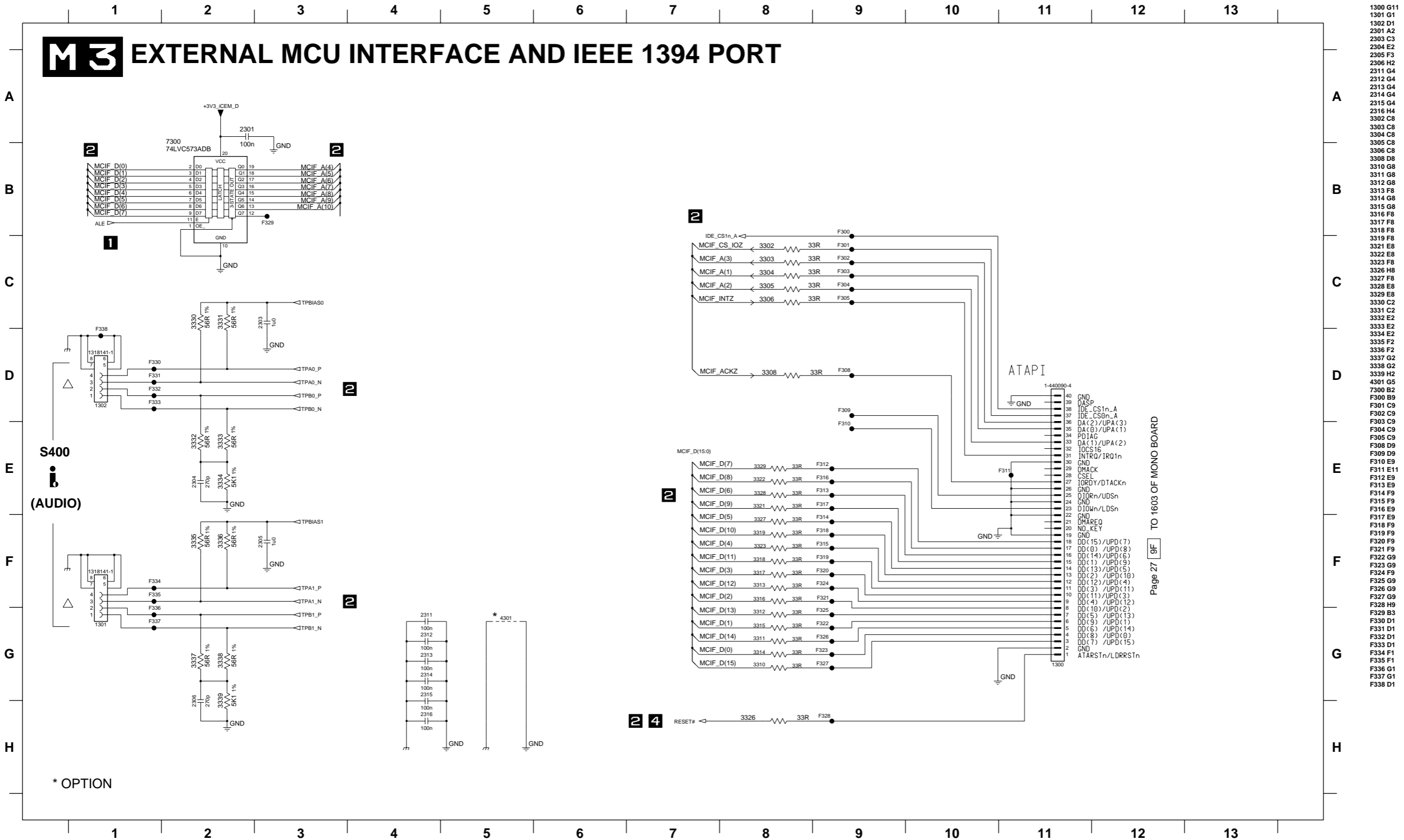
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■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

IEEE1394 BOARD (3/4)

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



- 1300 G11
- 1301 G1
- 1302 D1
- 2301 A2
- 2303 C3
- 2304 E2
- 2305 F3
- 2306 H2
- 2311 G4
- 2312 G4
- 2313 G4
- 2314 G4
- 2315 G4
- 2316 H4
- 3302 C8
- 3303 C8
- 3304 C8
- 3305 C8
- 3306 C8
- 3308 D8
- 3310 G8
- 3311 G8
- 3312 G8
- 3313 F8
- 3314 G8
- 3315 G8
- 3316 F8
- 3317 F8
- 3318 F8
- 3319 F8
- 3321 E8
- 3322 E8
- 3323 F8
- 3326 H8
- 3327 F8
- 3328 E8
- 3329 E8
- 3330 C2
- 3331 C2
- 3332 E2
- 3333 E2
- 3334 E2
- 3335 F2
- 3336 F2
- 3337 G2
- 3338 G2
- 3339 H2
- 4301 G5
- 7300 B2
- F300 B9
- F301 C9
- F302 C9
- F303 C9
- F304 C9
- F305 C9
- F308 D9
- F309 D9
- F310 E9
- F311 E11
- F312 E9
- F313 E9
- F314 F9
- F315 F9
- F316 E9
- F317 E9
- F318 F9
- F319 F9
- F320 F9
- F321 F9
- F322 G9
- F323 G9
- F324 G9
- F325 G9
- F326 G9
- F327 G9
- F328 H9
- F329 B3
- F330 D1
- F331 D1
- F332 D1
- F333 D1
- F334 F1
- F335 F1
- F336 G1
- F337 G1
- F338 D1

Page 27 9F TO 1603 OF MONO BOARD

* 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.

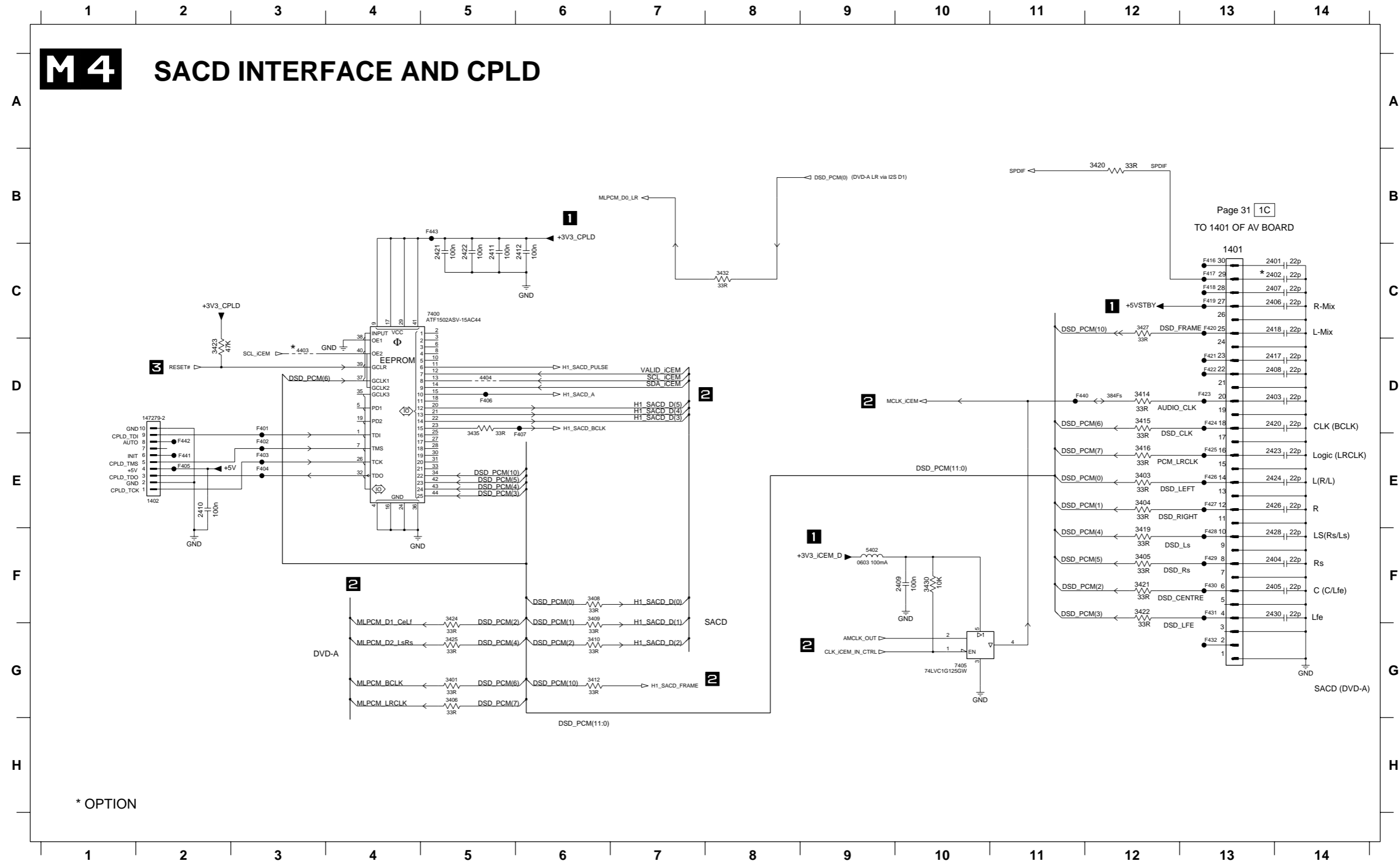
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■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

IEEE1394 BOARD (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



- 1401 B13
- 1402 E2
- 2401 C13
- 2402 C13
- 2403 D13
- 2404 F13
- 2405 F13
- 2406 C13
- 2407 C13
- 2408 D13
- 2409 F10
- 2410 E2
- 2411 C5
- 2412 C6
- 2417 D13
- 2418 C13
- 2420 D13
- 2421 C5
- 2422 C5
- 2423 E13
- 2424 E13
- 2426 E13
- 2428 F13
- 2430 F13
- 3401 G5
- 3403 E12
- 3404 E12
- 3405 F12
- 3406 G5
- 3408 F6
- 3409 F6
- 3410 G6
- 3412 G6
- 3414 D12
- 3415 D12
- 3416 E12
- 3419 F12
- 3420 B12
- 3421 F12
- 3422 F12
- 3423 D2
- 3424 F5
- 3425 G5
- 3427 C12
- 3430 F10
- 3432 C8
- 3435 E5
- 4403 D3
- 4404 D5
- 5402 F9
- 7400 C5
- 7405 G10
- F401 D3
- F402 E3
- F403 E3
- F404 E3
- F405 E2
- F406 D5
- F407 E6
- F416 C13
- F417 C13
- F418 C13
- F419 C13
- F420 C13
- F421 D13
- F422 D13
- F423 D13
- F424 D13
- F425 E13
- F426 E13
- F427 E13
- F428 F13
- F429 F13
- F430 F13
- F431 F13
- F432 G13
- F440 D11
- F441 E2
- F442 E2
- F443 B5

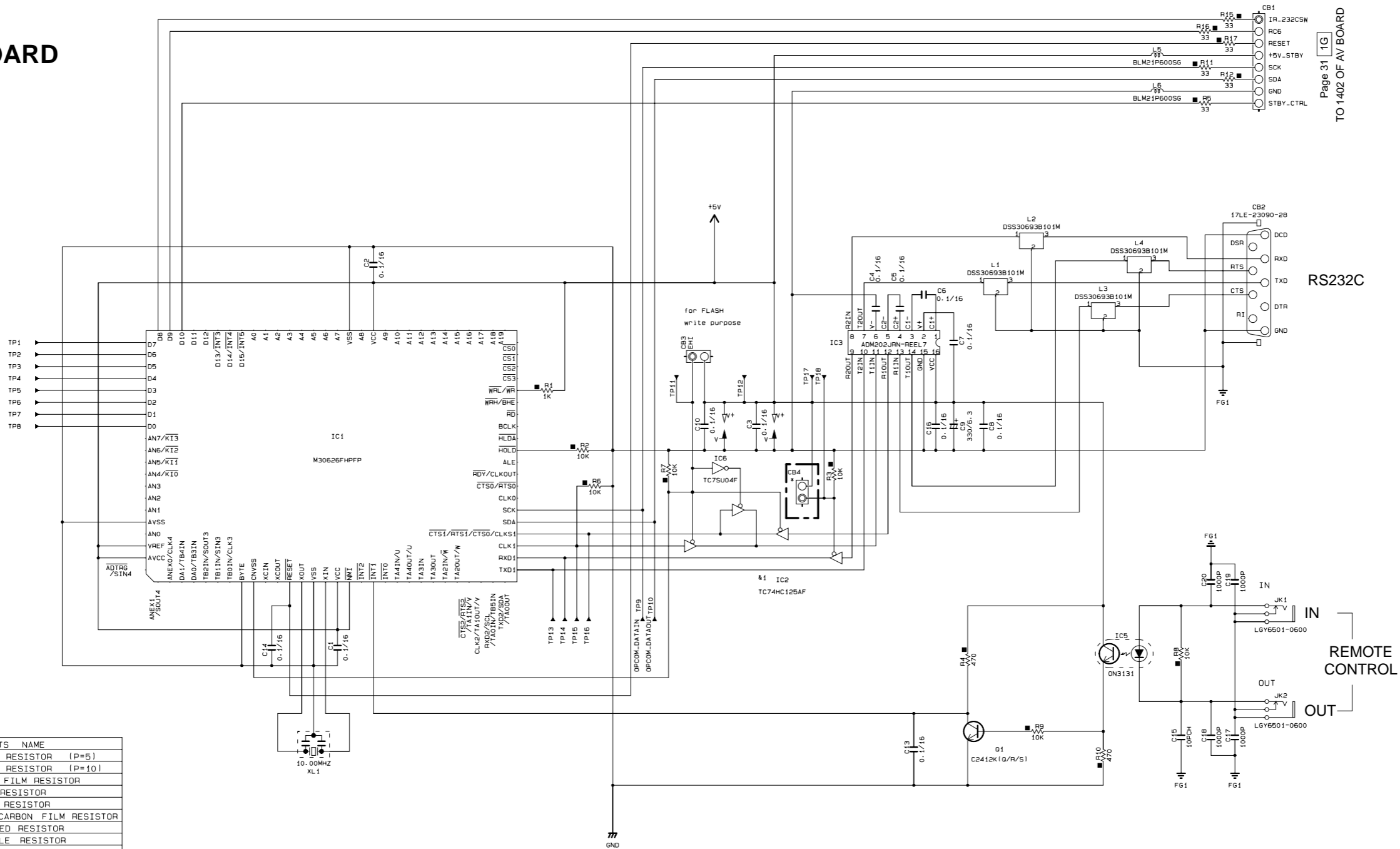
* OPTION

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

RS232C BOARD



Page 31 1G
TO 1402 OF AV BOARD

RS232C

REMOTE CONTROL

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
■	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊙	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

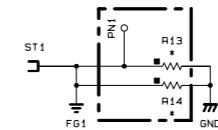
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
⊖	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊖	SEMICONDUCTIVE CERAMIC CAPACITOR
⊙	POLYPHENYLENE SULFIDE FILM CAPACITOR

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
k1	IC2	TC74HC125AF HD74HC125FP

The following parts are not mounted.
CB4 : for FLASH write purpose
R13-R14-PN1 : for countermeasure of EMC

Mode	CB3	CB4
Normally	open	open
Write FLASH through CB2	short	open
Write FLASH directly (use TP13, 14, 15, 16)	short	short



for countermeasure of EMC

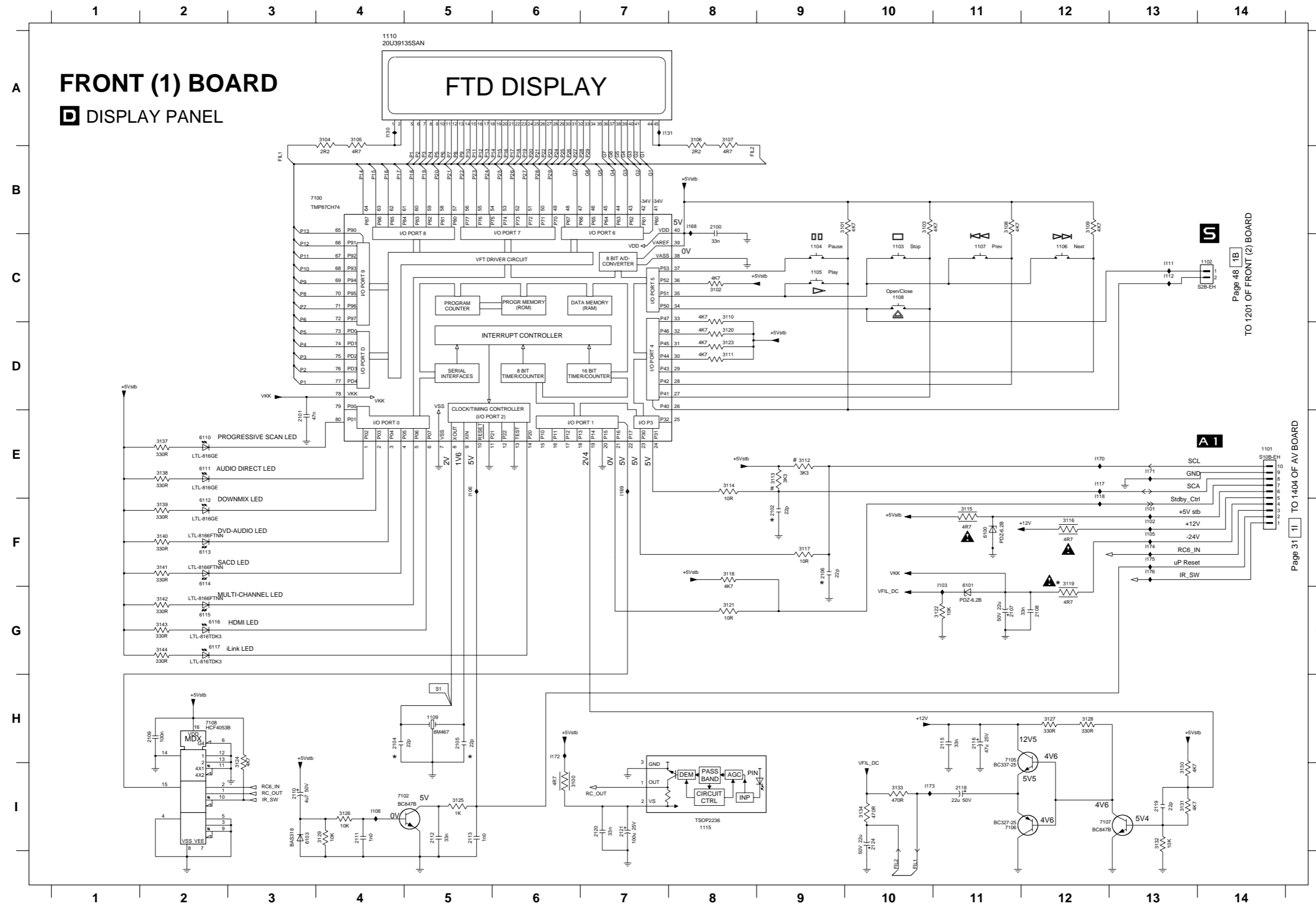
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SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



- 1101 E14
- 1102 C14
- 1103 C10
- 1104 C9
- 1105 C9
- 1106 C12
- 1107 C11
- 1108 C10
- 1109 H5
- 1110 A4
- 1115 B
- 2100 B8
- 2101 E3
- 2102 F9
- 2104 H4
- 2105 H5
- 2106 F9
- 2107 G11
- 2108 G12
- 2109 H2
- 2110 I3
- 2111 I4
- 2112 I5
- 2113 I5
- 2115 H11
- 2116 H11
- 2118 H11
- 2119 I13
- 2120 I7
- 2121 I7
- 2124 I10
- 3100 I6
- 3101 B9
- 3102 G8
- 3103 B10
- 3104 A4
- 3105 A4
- 3106 A8
- 3107 A8
- 3108 B11
- 3109 B12
- 3110 C8
- 3111 D8
- 3112 E9
- 3113 E9
- 3114 E8
- 3115 F11
- 3116 F12
- 3117 F9
- 3118 F8
- 3119 F12
- 3120 D8
- 3121 G8
- 3122 G11
- 3123 D8
- 3124 H3
- 3125 I5
- 3126 I4
- 3127 H12
- 3128 H12
- 3129 I4
- 3130 I13
- 3131 I13
- 3132 I13
- 3133 I10
- 3134 H10
- 3137 E2
- 3138 E2
- 3139 F2
- 3140 F2
- 3141 F2
- 3142 G2
- 3143 G2
- 3144 G2
- 6100 F11
- 6101 G11
- 6103 I3
- 6110 E2
- 6111 E2
- 6112 F2
- 6113 F2
- 6114 F2
- 6115 G2
- 6116 G2
- 6117 G2
- 7100 B4
- 7102 I4
- 7105 H11
- 7106 H11
- 7107 I13
- 7108 H2
- I101 F13
- I102 F13
- I103 F11
- I105 F13
- I106 E5
- I108 I4
- I111 C13
- I112 C13
- I117 E12
- I118 E12
- I130 A4
- I131 A7
- I168 B8
- I169 E7
- I170 E12
- I171 E13
- I172 H6
- I173 H10
- I174 F13
- I176 F13
- I175 F13

Page 48 [1B] TO 1201 OF FRONT (2) BOARD

Page 31 [1I] TO 1404 OF AV BOARD

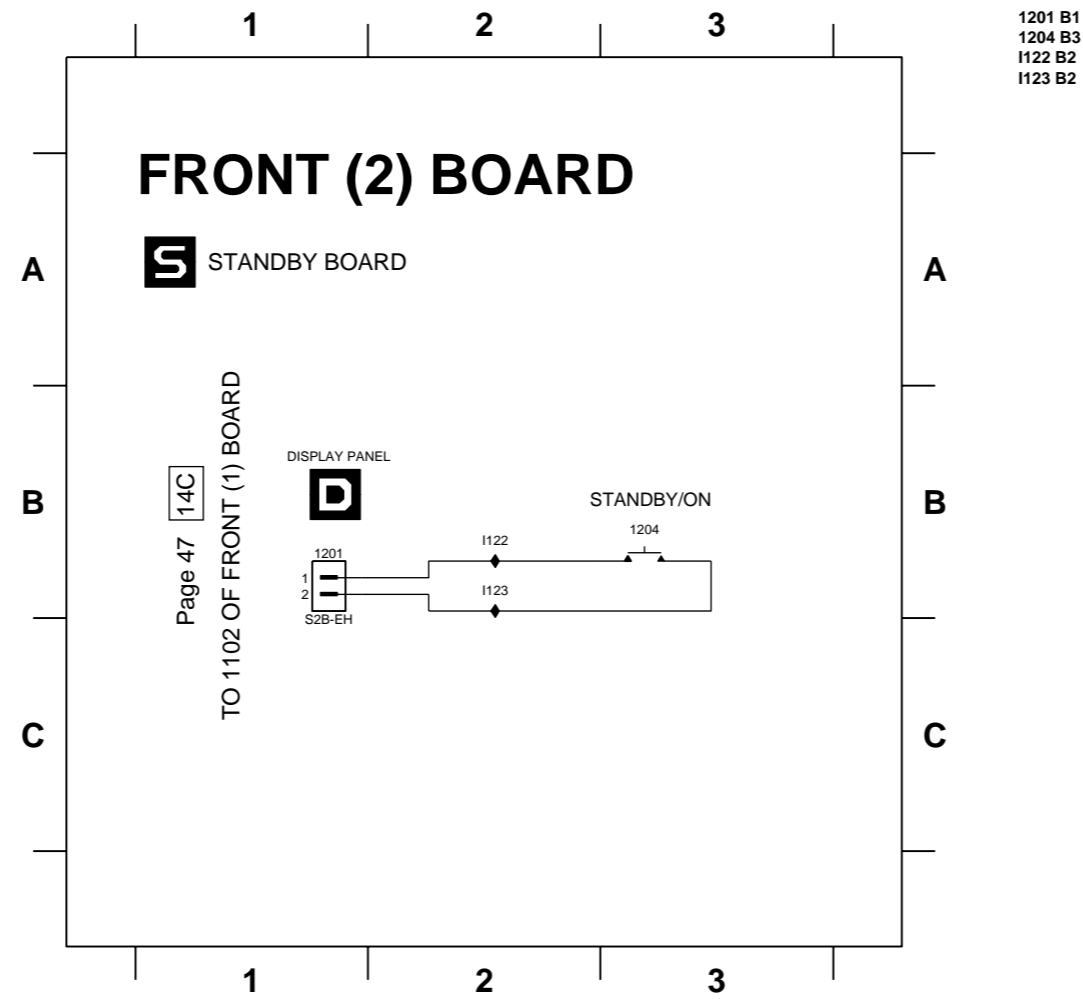
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FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

The first digit of a component indicates the component type.

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



* Components having special characteristics are marked \triangle and must be replaced with parts having specifications equal to those originally installed.
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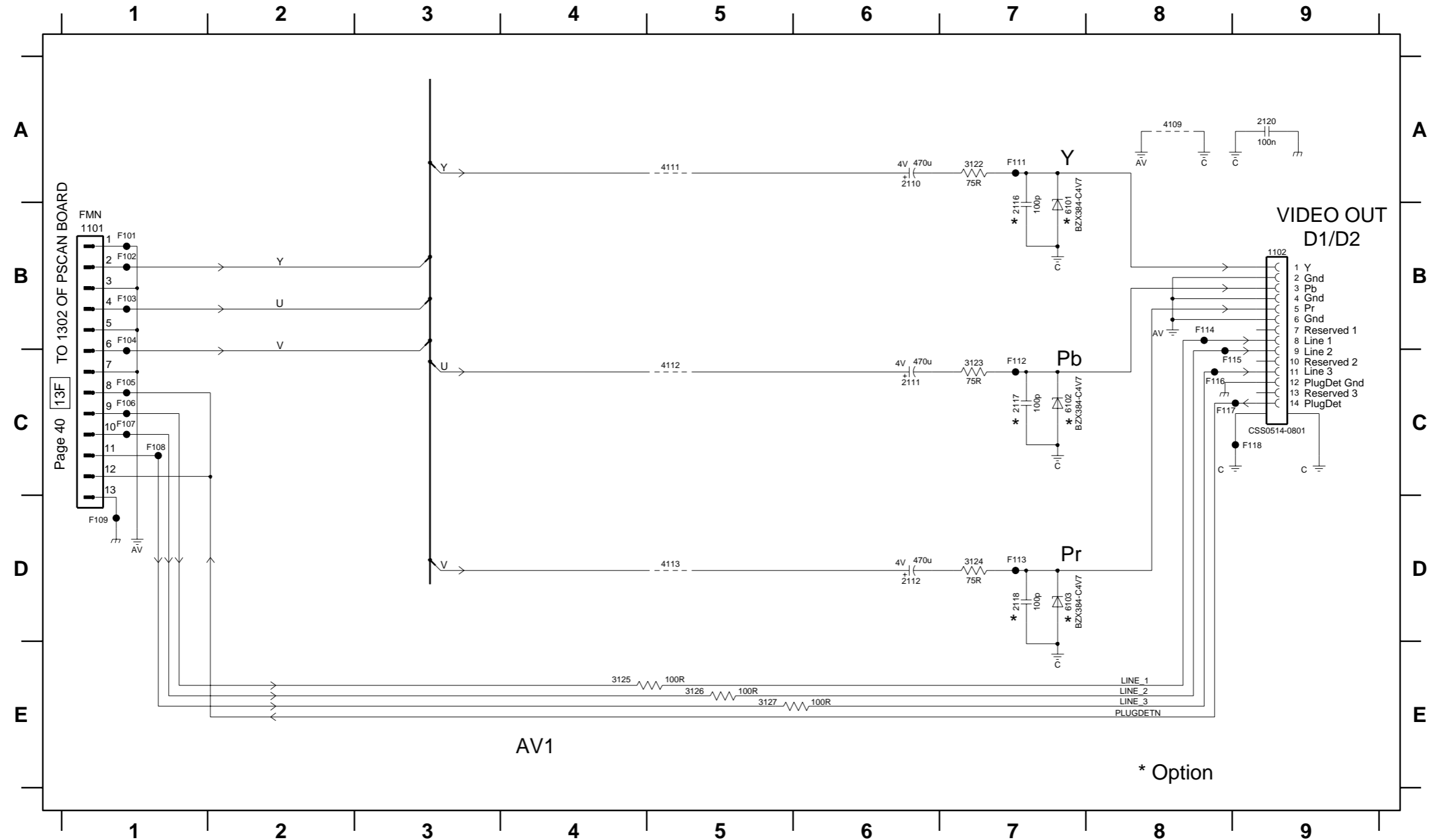
■ SCHEMATIC DIAGRAM
FOR INFORMATION ONLY (NO REPLACEMENT PARTS WILL BE AVAILABLE)

HDMI D2 BOARD (J model only)

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

1101 B1	2120 A9	4112 B5	F105 C1	F114 B8
1102 B9	3122 A7	4113 C5	F106 C1	F115 C8
2110 A6	3123 C7	6101 B7	F107 C1	F116 C8
2111 C6	3124 D7	6102 C7	F108 C1	F117 C8
2112 D6	3125 E4	6103 D7	F109 D1	F118 C9
2116 B7	3126 E5	F101 B1	F110 C2	
2117 C7	3127 E5	F102 B1	F111 A7	
2118 D7	4109 A8	F103 B1	F112 C7	
2119 A8	4111 A5	F104 B1	F113 D7	



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* Schematic diagram is subject to change without notice.

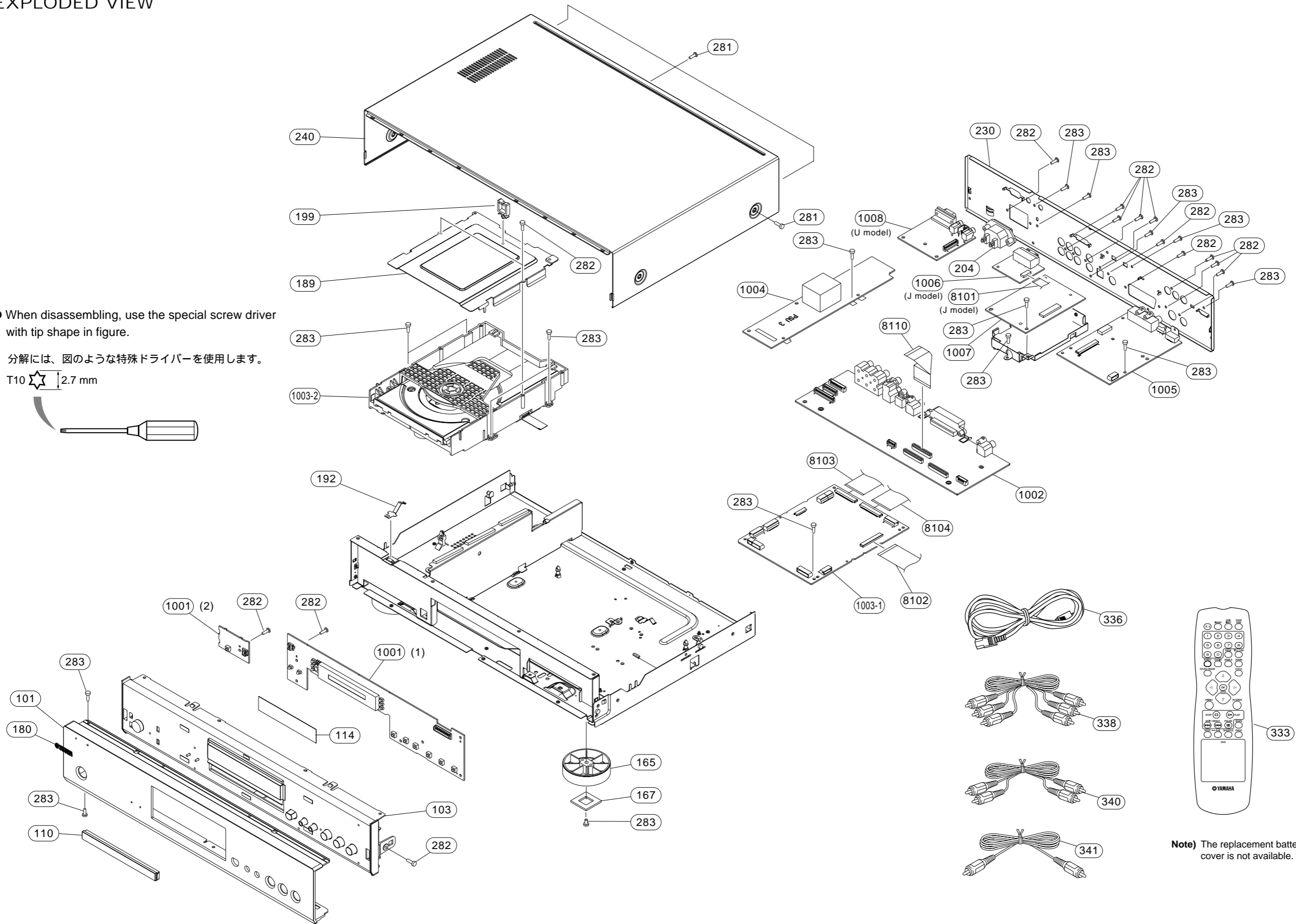
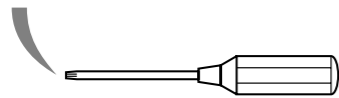
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EXPLODED VIEW

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

分解には、図のような特殊ドライバーを使用します。

T10  2.7 mm



Note) The replacement battery cover is not available.

MECHANICAL PARTS

WARNING

- Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
- △印のある部分は、安全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。

Ref. No.	PART NO.	Description	Remarks	Markets	部品名	Rank
* 101	AA62340	FRONT PANEL	GD		フロントパネル	
* 101	AA62350	FRONT PANEL	BL		フロントパネル	
* 101	AA62330	FRONT PANEL	TI		フロントパネル	
* 103	AA62250	SUB PANEL ASS'Y	GD		サブパネル A S S Y	
* 103	AA62230	SUB PANEL ASS'Y	BL		サブパネル A S S Y	
* 103	AA62240	SUB PANEL ASS'Y	TI		サブパネル A S S Y	
* 110	AA62320	TRAY COVER ASS'Y	GD		トレーカバー A S S Y	
* 110	AA62300	TRAY COVER ASS'Y	BL		トレーカバー A S S Y	
* 110	AA62310	TRAY COVER ASS'Y	TI		トレーカバー A S S Y	
* 114	AA62260	SHEET/FL			シート / F L	
* 165	AA64520	FOOT	GD		脚	
* 165	AA64530	FOOT	BL, TI		脚	
167	AA58260	CUSHION			クッション	
* 180	AA62200	EMBLEM GOLD	GD		エンブレム G O L D	
* 180	AA62190	EMBLEM	BL, TI		エンブレム	
* 189	AA64510	PLATE, SHIELD			プレート / シールド	
192	AA53480	SPRING GROUNDING			スプリング / グランド	
* 199	AA62400	SADDLE WIRE	NY6/6 NT 9.9MM B		ワイヤーサドル	
△ 204	AA57640	AC INLET	2P		A C インレット 2 P	
* 230	AA62360	REAR PANEL		J	リアパネル	
* 230	AA62370	REAR PANEL		U	リアパネル	
* 230	AA62380	REAR PANEL		G	リアパネル	
* 240	AA62280	TOP COVER	GD		トップカバー	
* 240	AA62290	TOP COVER	BL		トップカバー	
* 240	AA62270	TOP COVER	TI		トップカバー	
281	AA57730	PW HEAD TORX S-TIGHT SCREW	GD, TI 3x6 MFNI33		P W ヘッド S タイトネジ	
281	AA55450	PW HEAD TORX S-TIGHT SCREW	BL 3x6-8 MFZN2BL		P W ヘッド S タイトネジ	
282	AA53520	PAN HEAD TORX P-TIGHT SCREW	3x8 MFZN2BL		ナベトルクス P タイトネジ	
283	AA23640	PAN HEAD TORX S-TIGHT SCREW	3x6 MFZN2BL		ナベトルクス S タイトネジ	
* 1001	AA62180	P.C.B. ASS'Y	FRONT		P C B フロント	
* 1002	AA62120	P.C.B. ASS'Y	A/V	JU	P C B A V	
* 1002	AA62130	P.C.B. ASS'Y	A/V	G	P C B A V	
* 1003-1	AA62150	P.C.B. ASS'Y	MONO SD52(S)XSA		P C B MONO	
* 1003-2	AA62110	DVD MECHANISM	A97SL-S		D V D メカニズム	
△ 1004	AA58070	POWER SUPPLY UNIT	BIL PERF2003 WR HE		電源ユニット	16
* 1005	AA62160	P.C.B. ASS'Y	PSCAN D2	J	P C B P S C A N	
* 1005	AA62170	P.C.B. ASS'Y	PSCAN	UG	P C B P S C A N	
1006	AA57680	P.C.B. ASS'Y	HDMI D2	J	P C B H D M I	06
* 1007	AA62140	P.C.B. ASS'Y	IEEE1394		P C B I E E E 1 3 9 4	
* 1008	WC020500	P.C.B. ASS'Y	RS232C	U	P C B R S 2 3 2 C	
* 8101	AA62220	FLEXIBLE FLAT CABLE	13P 220mm P=1mm	J	カード電線 C & C	
8102	AA59250	FLEXIBLE FLAT CABLE	30P 180mm P=1mm		カード電線 C & C	
8103	AA47150	FLEXIBLE FLAT CABLE	30P 80mm P=1mm		カード電線 C & C	01
8104	AA47150	FLEXIBLE FLAT CABLE	30P 80mm P=1mm		カード電線 C & C	01
* 8110	AA62210	FLEXIBLE FLAT CABLE	30P 80mm P=1mm		カード電線 C & C	
		ACCESSORIES			付属品	
* 333	AA62390	REMOTE CONTROL	RC1143901/00		リモコン	
△ 336	AA58050	POWER CABLE	2m	J	電源コード	08
△ 336	AA58060	POWER CABLE	2m	U	電源コード	
△ 336	AA58040	POWER CABLE	2m	G	電源コード	
338	AA23450	AUDIO/VIDEO CABLE	YE/RD/WH 1.5m 1pc	JU	音声 / 映像ピンケーブル	10
340	AA21980	AUDIO PIN CABLE	RD/WH 1.5m 1pc	G	ステレオピンケーブル	05
341	AA22970	VIDEO CABLE	YE 1.5m 1pc	G	ビデオ用ピンケーブル	08
		BATTERIES	SUM-3N 2pcs		乾電池	

* New Parts (新規部品)

DVD-S2500

