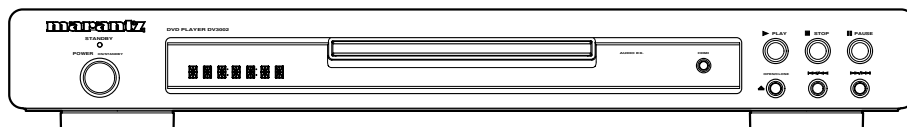


# Service Manual

DV3002 /N1B/N1S/U1B

DVD Player



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Please use this service manual with referring to the user guide ( D.F.U. ) without fail.  
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

# marantz®

## DV3002

Part no. 90M39CW855010  
First Issue 2007.05  
MZ

## MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **MARANTZ** company has created the ultimate in stereo sound. Only original **MARANTZ** parts can insure that your **MARANTZ** product will continue to perform to the specifications for which it is famous.

Parts for your **MARANTZ** equipment are generally available to our National Marantz Subsidiary or Agent.

### ORDERING PARTS :

Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

#### USA

**MARANTZ AMERICA, INC**  
100 CORPORATE DRIVE  
MAHWAH, NEW JERSEY 07430  
USA

#### EUROPE / TRADING

**MARANTZ EUROPE B.V.**  
P. O. BOX 8744, BUILDING SILVERPOINT  
BEEMDSTRAAT 11, 5653 MA EINDHOVEN  
THE NETHERLANDS  
PHONE : +31 - 40 - 2507844  
FAX : +31 - 40 - 2507860

#### CANADA

**MARANTZ CANADA INC.**  
5-505 APPLE CREEK BLVD.  
MARKHAM, ONTARIO L3R 5B1  
CANADA  
PHONE : 905 - 415 - 9292  
FAX : 905 - 475 - 4159

#### JAPAN

**D&M Holdings Inc.**  
D&M BUILDING, 2-1 NISSHIN-CHO,  
KAWASAKI-KU, KAWASAKI-SHI,  
KANAGAWA, 210-8569 JAPAN

株式会社 ディーアンドエムホールディングス  
本社 〒210-8569  
神奈川県川崎市川崎区日進町2-1 D&Mビル

#### KOREA

**D&M SALES AND MARKETING KOREA LTD.**  
CHUNG JIN B/D., #1001,  
53-5, WONHYORO 3 GA, YONGSAN-GU,  
SEOUL, 140-719, KOREA  
PHONE : +82 - 2 - 323 - 2155  
FAX : +82 - 2 - 323 - 2154

#### CHINA

**MARANTZ SHANGHAI TRADING LTD.**  
ROOM.506 SHANGHAI LIGHT INDUSTRY MANSION  
1578 NANJING (WEST) ROAD SHANGHAI  
CHINA  
TEL : 021 - 6248 - 1064  
FAX : 021 - 6248 - 3565

### SHOCK, FIRE HAZARD SERVICE TEST :

**CAUTION :** After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins ( with unit NOT connected to AC mains and its Power switch ON ), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 1492.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

# 1. TECHNICAL SPECIFICATIONS

## General

System..... DVD-Video, DVD±R/RW, Video CD, CD, MP3 files, JPEG files, DviX and WMA

Power requirements  
 N Version.....AC 230 V, 50/60 Hz  
 U Version.....AC 120 V, 60 Hz

Power consumption ..... 12 W  
 Power consumption in standby mode.....0.9 W

Weight ..... 3 kg (6 lb 10 oz)

Dimensions..... 440 (W) x 60 (H) x 319 (D) mm  
 (17.3 (W) x 2.4 (H) x 12.6 (D) in.)

Operating temperature ... + 5 °C to + 35 °C (+ 41 °F to + 96 °F)  
 Operating humidity .....5 % to 85 % (no condensation)

## S-Video output

Y (luminance) - Output level ..... 1 Vp-p (75 )  
 C (color) - Output level..... 286 mVp-p (75 )  
 Jacks .....S-VIDEO jack

## Video output

Output level..... 1 Vp-p (75 )  
 Jacks ..... RCA jack

## Component video output (Y, C<sub>B</sub>, C<sub>R</sub>)

Output level..... Y : 1.0 Vp-p (75 )  
 C<sub>B</sub>/P<sub>B</sub>, C<sub>R</sub>/P<sub>R</sub> : 0.7 Vp-p (75 )  
 Jacks ..... RCA jack

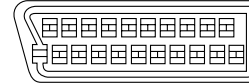
## HDMI output

Output Terminal ..... 19-pin

## 21-pin connector assignment (N : Europe model only)

AV connector output ..... 21-pin connector  
 This connector provides the video and audio signals for connection to a compatible color TV or monitor.

20 18 16 14 12 10 8 6 4 2



21 19 17 15 13 11 9 7 5 3 1

PIN no.		
1	Audio 2/R out	15 R out
3	Audio 1/L out	16 Blank
4	GND	17 GND
7	B out	19 Video out
8	Status	21 GND
11	G out	

## Audio output

Output level (During audio output).....2 Vrms (1 kHz, 0 dB)  
 Number of channels ..... 2  
 Jacks ..... RCA jack

## Audio characteristics

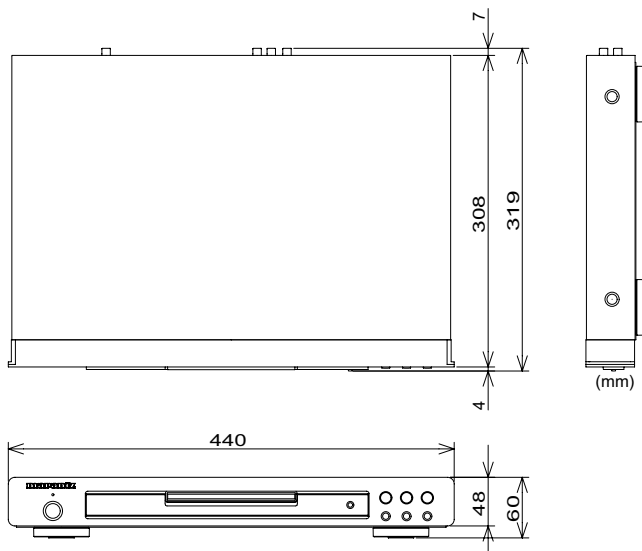
Frequency response .....4 Hz to 44 kHz (DVD fs: 96 kHz)  
 S/N ratio..... 110 dB  
 Dynamic range ..... 100 dB  
 Total harmonic distortion .....0.003 %  
 Wow and flutter..... Limit of measurement  
 (± 0.001 % W. PEAK) or lower

## Digital output

Coaxial digital output ..... RCA jack

## Accessories

Remote control (RC001DV)..... 1  
 AAA/R03 dry cell batteries .....2  
 Audio/Video cable (yellow/red/white)..... 1  
 Power cable ..... 1  
 User Guide ..... 1



## Features

**An HDCP-compatible HDMI\*<sup>1</sup> terminal is provided to ensure the very highest picture and digital sound quality by fully digital transmission.**

This unit is equipped with an HDCP-compatible digital image output terminal (HDMI) to provide copyright protection.

Direct digital transmission without analog conversion of DVD image data makes it possible to enjoy real-life images without any image deterioration resulting from AD/DA conversion. The unit has also been designed to make it possible to handle the transmission of both digital video and digital audio with a single connector.

### **High quality 12-bit/108 MHz video D/A converter**

The unit uses a video D/A converter that performs D/A conversion of all video signals in 12 bits and can perform 4x over-sampling to let you enjoy beautiful video possible with DVD.

### **High quality 24-bit/192 kHz DAC**

The high specification 24-bit/192 kHz DAC delivers dynamic, smooth and expansive analog sound from CDs and DVDs.

DivX   \*<sup>2</sup>

You can enjoy DivX<sup>®</sup> files which are recorded on DVD±R/RW or CD-R/RW.

- Official DivX<sup>®</sup> Ultra Certified product
- Plays all versions of DivX<sup>®</sup> video (including DivX<sup>®</sup> 6) with enhanced playback of DivX<sup>®</sup> media files and the DivX<sup>®</sup> Media Format
- This player supports Quarter Pixel.
- This player does not support GMC.

**MP3 and WMA\*<sup>3</sup>  compatibility**

This player is compatible with CD-R, CD-RW and CD-ROM discs that contain MP3 and WMA audio tracks.

### **JPEG compatibility**

This player is compatible with CD-R, CD-RW and CD-ROM discs that contain JPEG data.

\*<sup>1</sup> HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

\*<sup>2</sup> “DivX”, and “DivX Ultra” Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

\*<sup>3</sup> Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.



Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. © 1992-1997 Dolby Laboratories. All rights reserved.




“DTS” and “DTS Digital Out” are registered trademarks of DTS, Inc.

## Discs compatible with this player

Any disc that displays one of the following logos should play in this player. Other formats, including DVD-RAM, DVD-ROM, CD-ROM (except those that contain MP3/DivX/WMA/JPEG files) and Photo CD will not play.


### DVD-Video compatibility:

- Logos: 
- Single-sided or double-sided discs
- Single layer or dual layer discs
- Dolby Digital, DTS, MPEG or Linear PCM digital audio
- MPEG-2 digital video

Discs are generally divided into one or more titles. Titles may be further subdivided into chapters.


### DVD-R compatibility:

This unit can play DVD-R discs. Please note the following points when using these discs:

- Logo: 
- This unit can play DVD-R discs recorded as DVD-Video format.

### DVD-RW compatibility:


This unit can play DVD-RW discs. Please note the following points when using these discs:

- Logo: 
- This unit can play DVD-RW discs recorded as DVD-Video format, and DVD-VR format.
- DVD-RW discs that were recorded with copy-protect only permission can be played.

### DVD+R/+RW compatibility:

- Logo: 
- This unit can play DVD+R/+RW discs. Please note the following points when using these discs.

### Audio CD compatibility:

- Logos: 
- 12cm (5in.) or 8cm (3in.) discs
- Linear PCM digital audio
- Audio CD, CD-R\* and CD-RW\* formats


CDs are divided into tracks.

\*This unit can play CD-R and CD-RW discs recorded in Audio CD or Video CD format, or with MP3 audio files or Windows Media audio files or picture files or DivX files.

\*Some copy-controlled CDs may not conform to official CD standards. They are special discs and may not play on the DV4001.


\*The DV4001 does not support the non-DVD side of a Dual Disc.

### Video CD compatibility:

- Logo: 
- 12cm (5in.) or 8cm (3in.) discs
- MPEG-1 digital audio
- MPEG-1 digital video

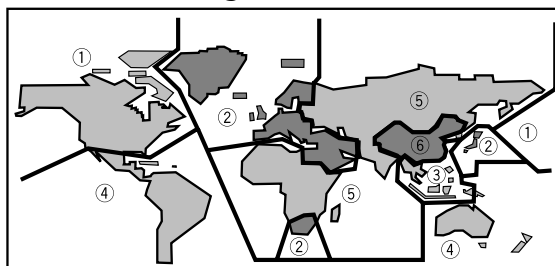
Video CDs are divided into tracks.

### Super VCD compatibility:

- Logo: 
- 12cm (5in.) or 8cm (3in.) discs
- MPEG-1 digital audio
- MPEG-2 digital video

Super VCDs are divided into tracks.

## DVD-Video regions



All DVD-Video discs carry a region mark on the case somewhere that indicates which region(s) of the world the disc is compatible with. Your DVD player also has a region mark, which you can find on the rear panel. Discs from incompatible regions will not play in this player. Discs marked **ALL** will play in any player.

## General information

- This player can recognize in total about 650 files per folders and 300 folder per disc for MP3/DivX/WMA.
- When writing MP3/WMA/JPEG/DivX files to CD-R/RW discs, always be sure to set the writing format to ISO 9660 Level 1.
- For MP3 and WMA files recorded in Variable Bit Rate (VBR), the unit may not display the actual elapsed time.

## MP3 compatibility information

- Files should be MPEG1 Audio Layer 3 format. The sampling rate is 11 kHz to 48 kHz, but it is depends on the bit rate. Incompatible files will not play.
- Audio encoded at 128 kbps should sound close to regular audio CD quality. Although this player will play 32 kbps to 320 kbps, but it is depends on the sampling rate.
- This player is compatible with ID3 ver.1.1 Tag.
- Maximum 30 characters can be displayed on TV screen.
- This player cannot play DVD-R/RW discs with recorded MP3 music data.
- This player only plays tracks that are named containing the file extension “.mp3” or “.MP3”.
- This player is not compatible with multi-session discs. If you try and play a multi-session disc, only the first session will be played.

## WMA compatibility information

- The sampling rate is 44.1 kHz (bit rate: 64 kbps-192 kbps) and 48 kHz (bit rate: 128 kbps-192 kbps).
- This player only plays tracks that are named with the file extension “.wma” or “.WMA”.
- This player can not play the disc contents protected by Windows Media Digital Right Management (DRM).

## JPEG compatibility information

- While this player is designed to be able to handle image data recorded in JPEG format, no assurances are given that the player will be able to display image data recorded in all JPEG formats.
- This player can display progressive JPEG images.
- This player can display HD JPEG images.
- Always be sure to specify a file extension of “.JPG” or “.JPEG” for JPEG files. The file will not be able to be displayed if a file extension other than “.JPG” or “.JPEG” is specified or if no file extension is assigned to the file. (Note that this means that JPEG files created on a Macintosh will not be able to be displayed as is.)
- Depending on the file size and compression ratio, some JPEG pictures cannot be displayed correctly.

## DivX compatibility information

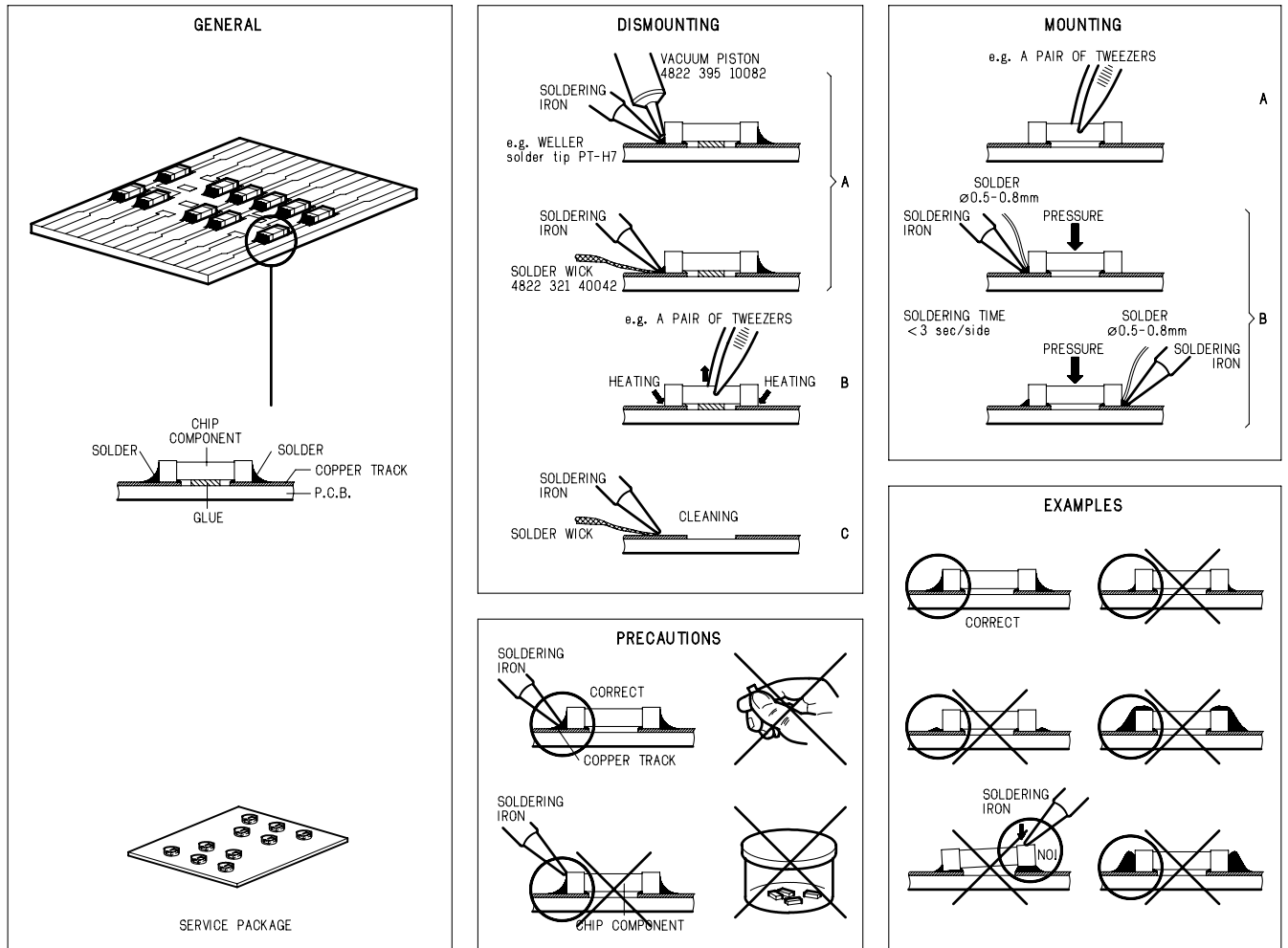
- A file with an extension of “.avi” or “.divx” is called a DivX file.
- Maximum 30 characters can be displayed on TV screen.
- Maximum 4 Gbyte of file size can be displayed.
- File should be MPEG1 Audio Layer 3 format and MPEG2 format.

## Caution!

- DVD±R/RW and CD-R/RW discs recorded using a personal computer or a DVD or CD recorder may not play if the disc is damaged or dirty, or if there is dirt or condensation on the player's lens.
- If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)
- There may be times when it is impossible to replay a CD-R/RW disc because of the characteristics of the disc being used or because of dirt or scratches on the disc.
- Unfinalized DVD-R/RW discs cannot be played.
- Unfinalized CD-R/RW discs cannot be played.
- For more information on using DVD-R/RW and CD-R/RW discs, see “Handling discs”.
- Never try to replay anything other than a music CD (CDA format) or a CD-R/RW on which MP3 and/or JPEG files have been stored. Depending on the type of file, there may be times when doing so will result in problems or erroneous operation.

## 2. SERVICE HINTS AND TOOLS

### SERVICE HINTS



### SERVICE TOOLS

Audio signals disc	4822 397 30184
Disc without errors (SBC444)+	
Disc with DO errors, black spots and fingerprints (SBC444A)	4822 397 30245
Disc (65 min 1kHz) without no pause	4822 397 30155
Max. diameter disc (58.0 mm)	4822 397 60141
Torx screwdrivers	
Set (straight)	4822 395 50145
Set (square)	4822 395 50132
13th order filter	4822 395 30204
DVD test disc (PAL)	4822 397 10131
DVD test disc (NTSC) ALMEDIO	TDV-540

### 3. WARNING AND LASER SAFETY INSTRUCTIONS

#### **GB** WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.  
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.  
Keep components and tools also at this potential.



#### **NL** WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor elektrostatische ontladingen (ESD).  
Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.  
Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.  
Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

#### **F** ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).  
Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.  
Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.  
Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

#### **D** WARNUNG

Alle IC und viele andere Halbleiter sind empfindlich gegen elektrostatische Entladungen (ESD).  
Unvorsichtige Behandlung bei der Reparatur kann die Lebensdauer drastisch vermindern.  
Sorgen sie dafür, das Sie im Reparaturfall über ein Pulsarmband mit Widerstand mit dem Massepotential des Gerätes verbunden sind.  
Halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

#### **I** AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).  
La loro longevita potrebbe essere fortemente ridatta in caso di non osservazione della piu grande cauzione alla loro manipolazione.  
Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.  
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

#### **GB**

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

#### **NL**

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt terug gebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

#### **D**

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten.  
Der Originalzustand des Gerats darf nicht verändert werden.  
Für Reparaturen sind Original-Ersatzteile zu verwenden.

#### **I**

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambio idetici a quelli specificati.

#### **F**

Les normes de sécurité exigent que l'appareil soit remis a l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

\*Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne.\*

### LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.



**USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**

**AVOID DIRECT EXPOSURE TO BEAM**

#### WARNING

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

#### WARNING LOCATION: INSIDE ON LASER COVERSIELD

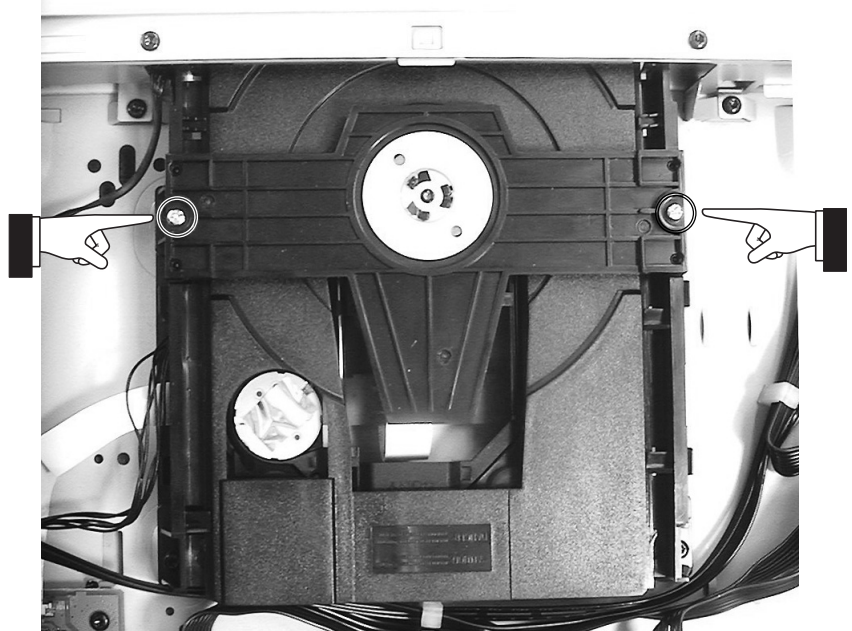
**CAUTION** VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM  
**ADVARSEL** SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING  
**ADVARSEL** SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL Å PNES UNNGÅ EKSPONERING FOR STRÅLEN  
**VARNING** SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD BETRakta EJ STRÅLEN  
**VARO!** AVATT AESSA OLET ALTTIINA NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN  
**VORSICHT** SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETSEN  
**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



#### 4. TAKING THE DISC OUT OF EMERGENCY

1. Remove the top cover of the player.
2. Remove 2 screws shown in the picture follows.
3. Remove the disc clumper.
4. Now you can remove the disc.

Remove those screws



## 5. UPDATE BACK END FIRMWARE PROCEDURE

### Necessary Equipment

- Update data (DV3002.BIN) or Disc (90M-DV3002CDR).

**NOTICE** : Refer to "6. THE UPDATE DISC CREATION PROCEDURE", when you make update disc from update data.

### Writing Procedure

The writing of firmware takes about 1 minute 30 seconds.

1. Connect the video cable to the unit and TV (or Monitor).
2. Connect the mains cord into the unit.
3. Turn on the unit and TV.
4. Press the **OPEN/CLOSE** button to open the tray.
5. Insert the Update Disc.
6. Press the **OPEN/CLOSE** button to close the tray.
7. "LOAD" is displayed on the front display. ("LOADING" is displayed on the TV.)
8. "UPGRADE FILE DETECTED" and "FILE COPING" are displayed on the TV. And next, the display on TV changes from "FILE COPING" and displays "UPGRADING".
9. Then the tray opens automatically. And remove the Update disc from the tray.
10. Firmware is written into the flash ROM.
11. FL display change from "ERASE" and displays "WRITE".
12. After that "UPG END" is displayed several seconds, and finished write-in.
13. The unit is reset automatically.
14. And the tray closes automatically.
15. Press the **POWER ON/STANDBY** button to turn off the unit.
16. Disconnect the mains cord and video cable from the unit.

### Firmware Version Check

To check the versions of the firmware, see "**Firmware (Back-end) version check**" in "7. SERVICE MODE" section.

## 6. THE UPDATE DISC CREATION PROCEDURE

### Necessary Equipment

- Update data (DV3002.BIN).
- CD-R or CD-RW.
- CD-R writing software.

### Setting of writing software

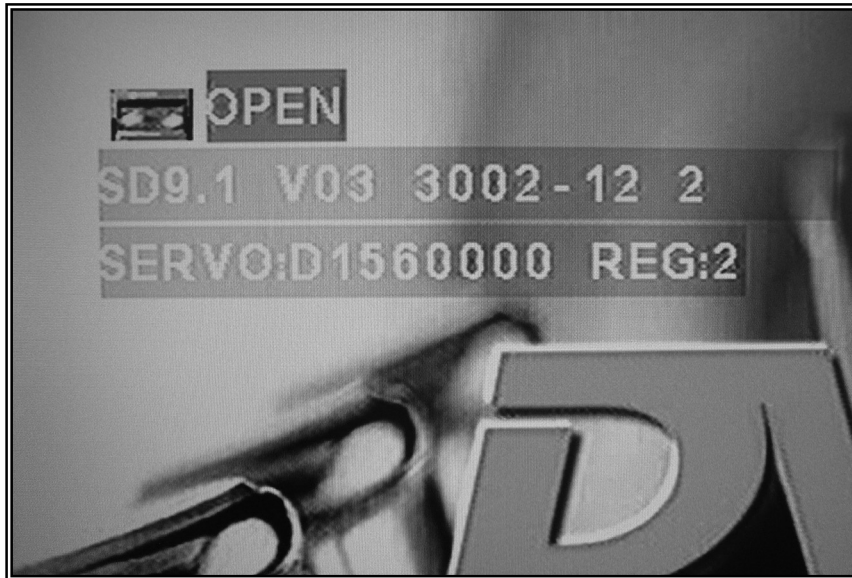
- File name : DV3002.BIN
- CD LABEL NAME : any one
- CD MODE : MODE 1 (CLOSE SESSION)
- FILE FORMAT : ISO9660
- WRITE MODE : DISC AT ONCE

## 7. SERVICE MODE

### Firmware (Back-end) version check

Connect the DVD player to TV and operate by using Remote controller RC001DV.

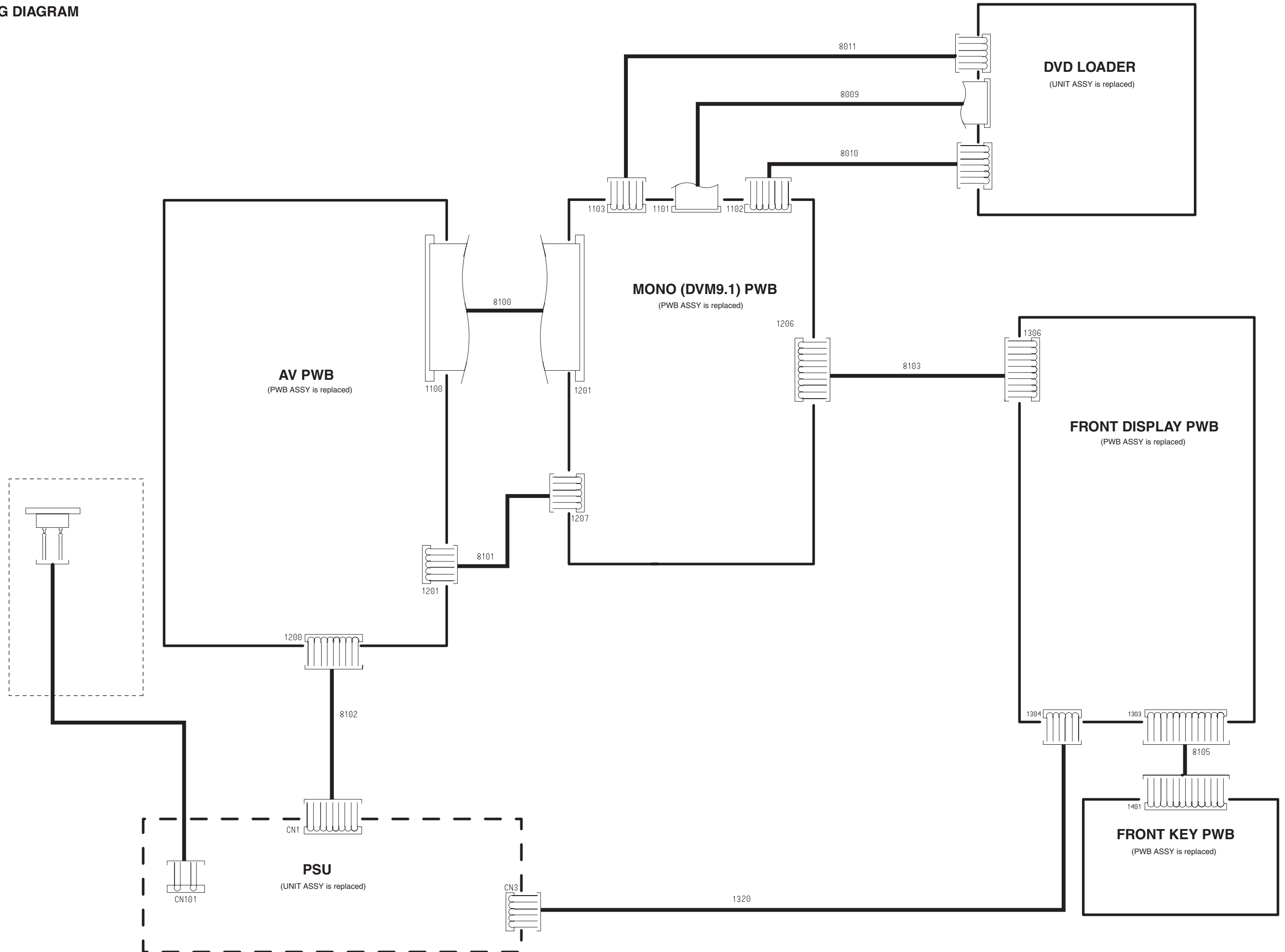
1. Press the **POWER** button to turn on the unit.
2. Press the **OPEN/CLOSE** button to open the disc tray.
3. Press the **DISP.** Button of the Remote controller.
4. The following information is displayed on the TV screen. The firmware version is shown.  
(Ex. : SD9.1 V03 3002-12 2)



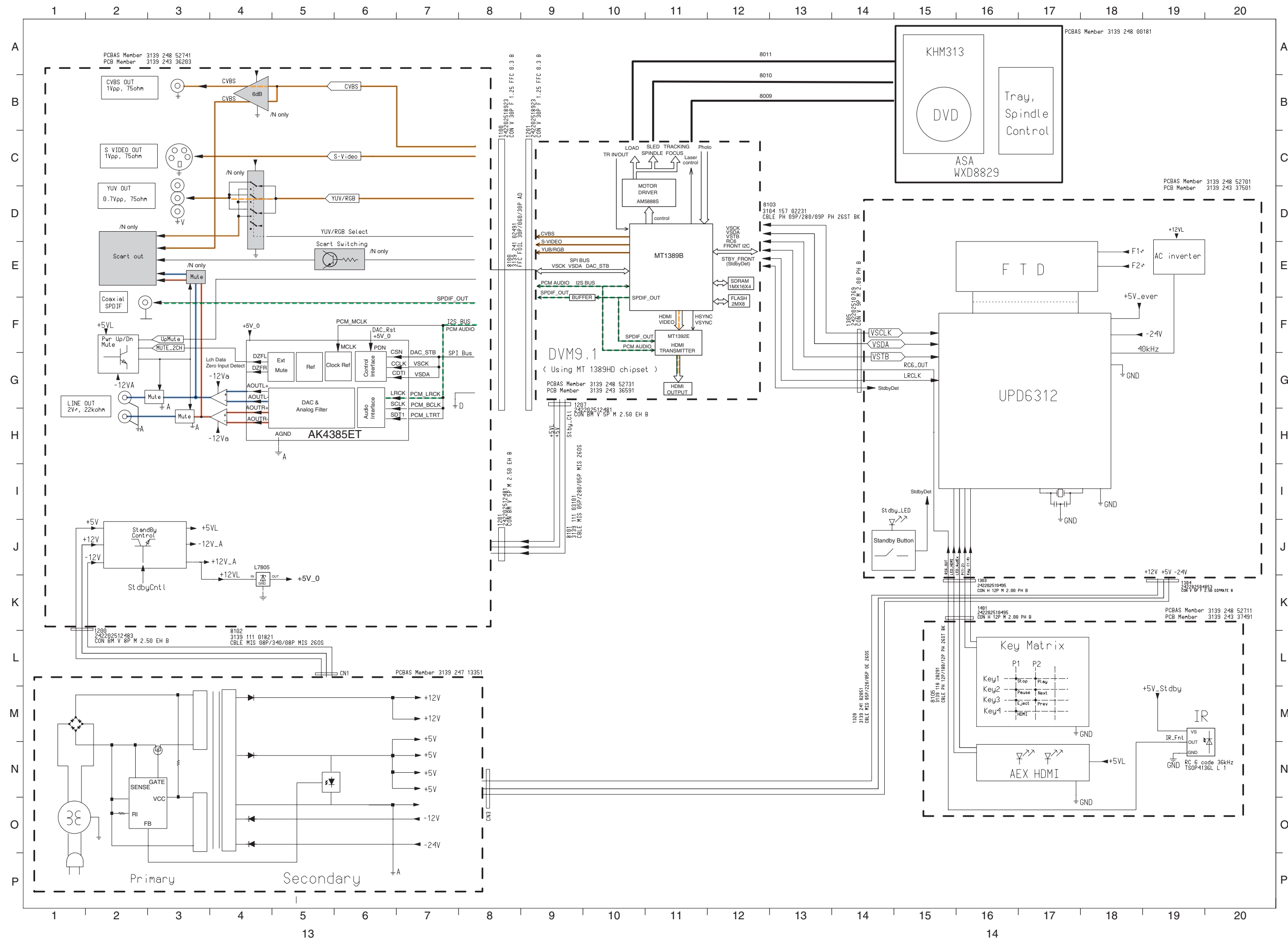
5. Turn off power to quit Service Mode.

**Personal notes:**

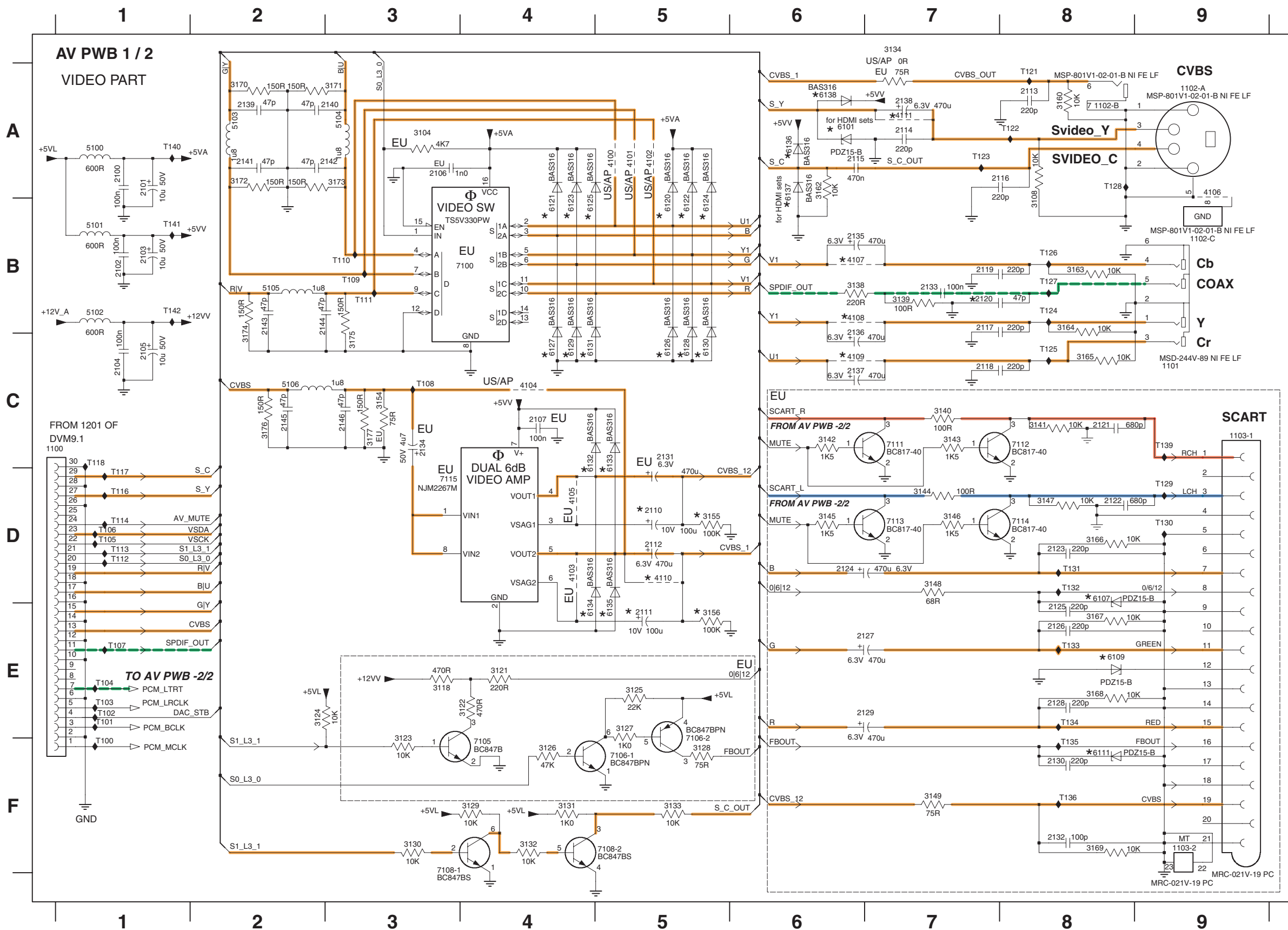
8. WIRING DIAGRAM



# 9. BLOCK DIAGRAM

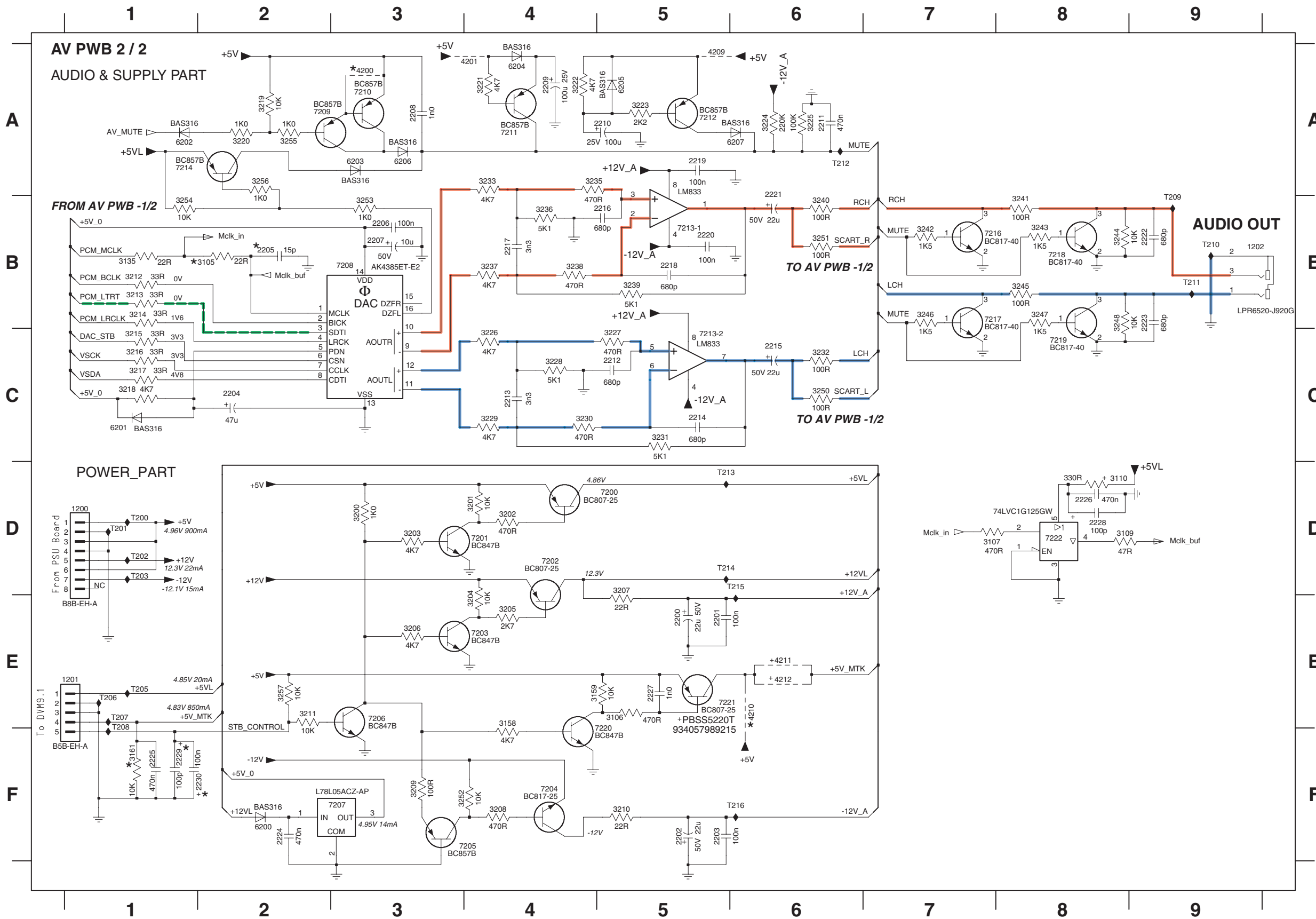


# 10. SCHEMATIC DIAGRAM



1100 C1	3149 F7	T106 D1
1101 C9	3154 C3	T107 E1
1102-A A9	3155 D5	T108 C3
1102-B A8	3156 E5	T109 B3
1102-C B9	3160 A8	T110 B3
1103-1 C9	3162 A6	T111 B3
1103-2 F9	3163 B8	T112 D1
2100 A1	3164 B8	T113 D1
2101 A1	3165 C8	T114 D1
2102 B1	3166 D8	T116 D1
2103 B1	3167 E8	T117 D1
2104 C1	3168 E8	T118 C1
2105 C1	3169 F8	T121 A8
2106 A3	3170 A2	T122 A8
2107 C4	3171 A3	T123 A7
2110 D5	3172 A2	T124 B8
2111 E5	3173 A3	T125 C8
2112 D5	3174 C2	T126 B8
2113 A8	3175 C3	T127 B8
2114 A7	3176 C2	T128 A8
2115 A6	3177 C3	T129 D9
2116 A8	4100 A5	T130 D9
2117 B7	4101 A5	T131 D8
2118 C7	4102 A5	T132 D8
2119 B7	4103 D4	T133 E8
2120 B7	4104 C4	T134 E8
2121 C8	4105 D4	T135 F8
2122 D8	4106 A9	T136 F8
2123 D8	4107 B6	T139 C9
2124 D6	4108 B6	T140 A1
2125 E8	4109 C6	T141 B1
2126 E8	4110 D5	T142 B1
2127 E7	4111 A7	
2128 E8	5100 A1	
2129 E7	5101 B1	
2130 F8	5102 B1	
2131 C5	5103 A2	
2132 F8	5104 A3	
2133 B7	5105 B2	
2134 C3	5106 C2	
2135 B6	6101 A6	
2136 C6	6107 D8	
2137 C6	6109 E8	
2138 A7	6111 F8	
2139 A2	6120 B5	
2140 A3	6121 B4	
2141 A2	6122 B5	
2142 A3	6123 B4	
2143 B2	6124 B5	
2144 B2	6125 B4	
2145 C2	6126 C5	
2146 C3	6127 C4	
3104 A3	6128 C5	
3108 B8	6129 C4	
3118 E3	6130 C5	
3121 E4	6131 C4	
3122 E4	6132 C4	
3123 F3	6133 C5	
3124 E4	6134 E4	
3125 E5	6135 E5	
3126 F4	6136 A6	
3127 E5	6137 A6	
3128 F5	6138 A6	
3129 F4	7100 B4	
3130 F3	7105 F4	
3131 F4	7106-1 F5	
3132 F4	7106-2 E5	
3133 F5	7108-1 F4	
3134 A7	7108-2 F5	
3138 B6	7111 C7	
3139 B7	7112 C8	
3140 C7	7113 D7	
3141 C8	7114 D8	
3142 C6	7115 D3	
3143 C7	T100 F1	
3144 D7	T101 E1	
3145 D7	T102 E1	
3146 D7	T103 E1	
3147 D8	T104 E1	
3148 D7	T105 D1	

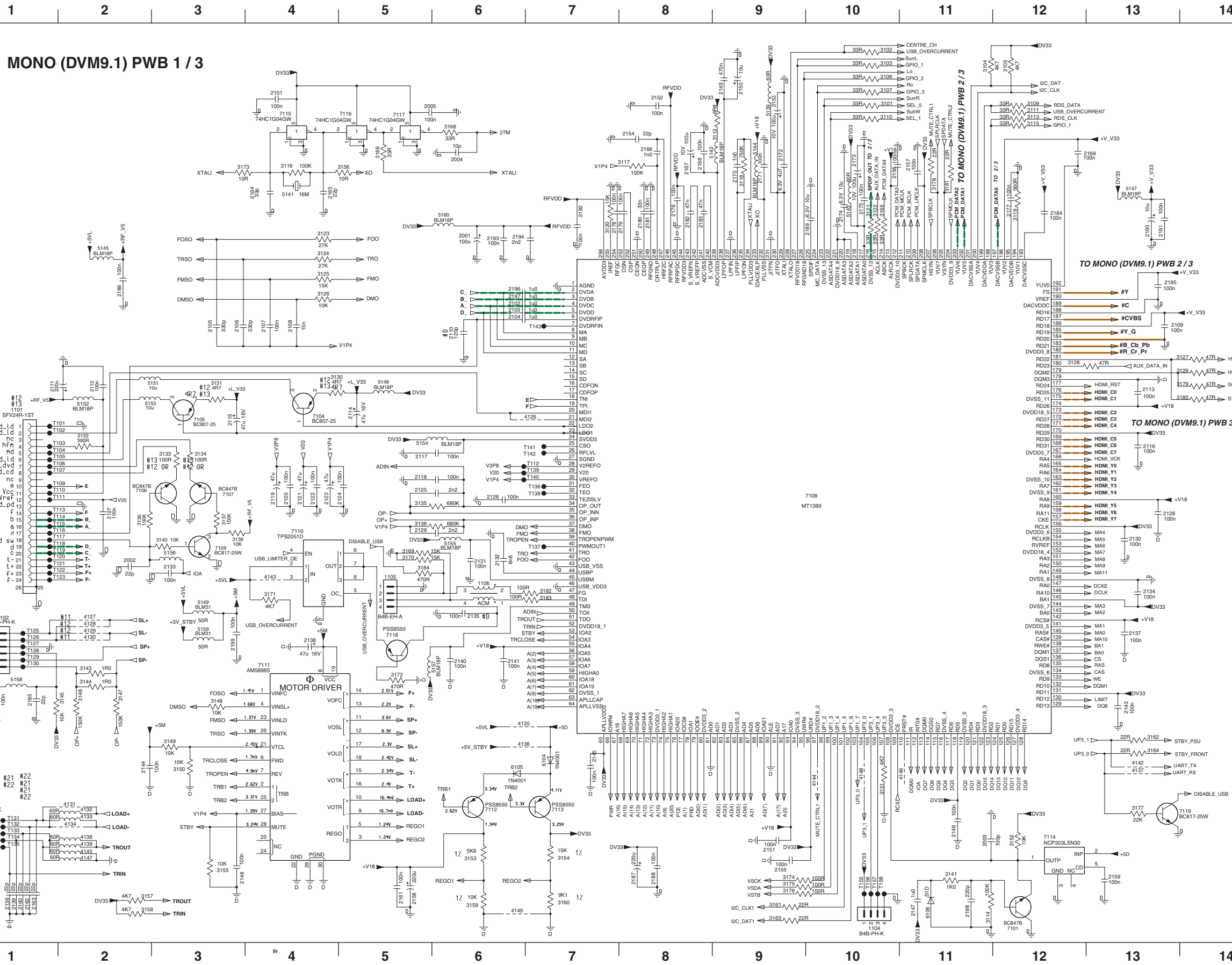
EU - for Europe version  
 US/AP - For US/AP versions  
 \* OPTION



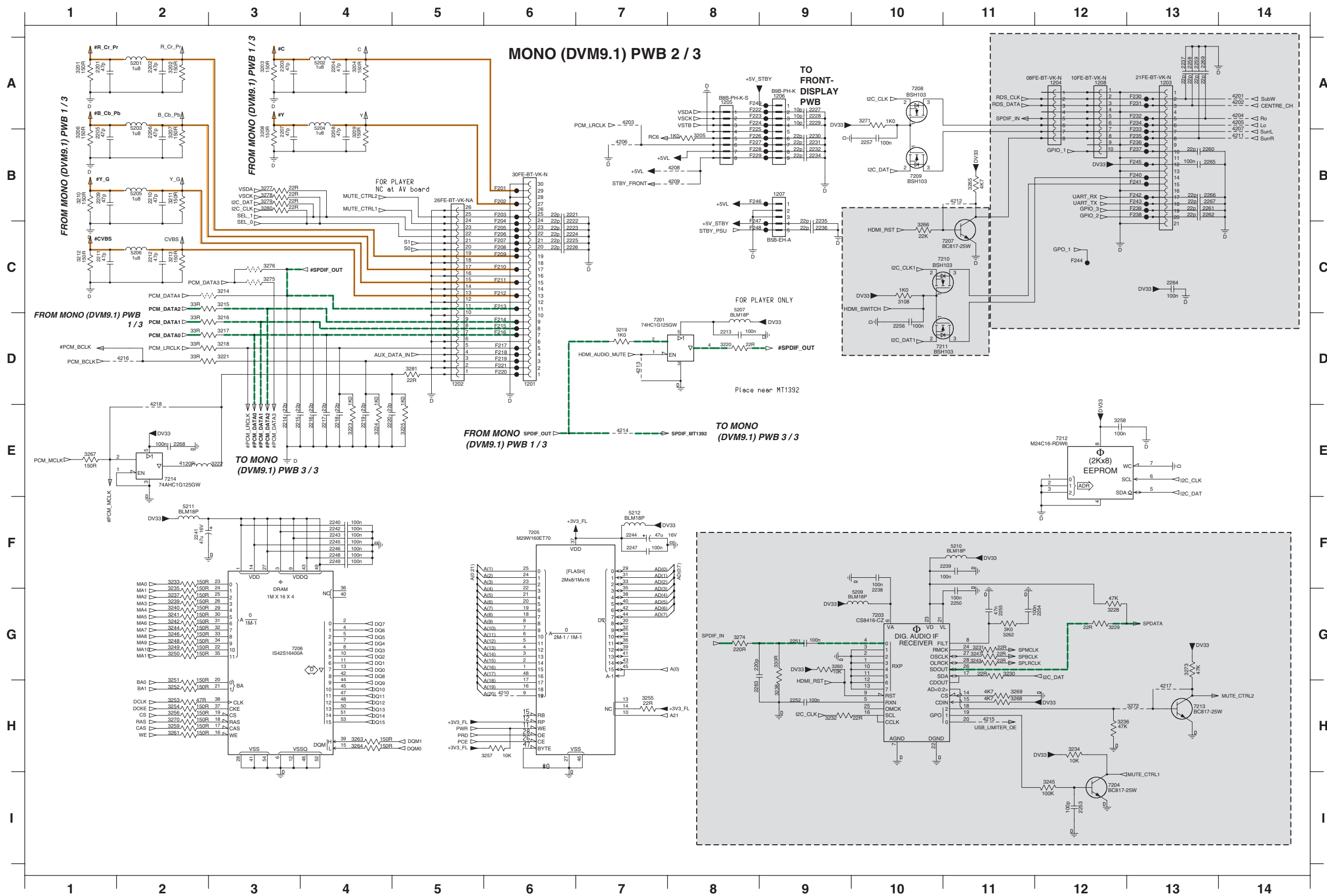
1200 D1	3235 A4
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1202 B9	3237 B4
2200 E5	3238 B4
2201 E5	3239 B5
2202 F5	3240 B6
2203 F5	3241 B8
2204 C2	3242 B7
2205 B2	3243 B8
2206 B3	3244 B8
2207 B3	3245 B8
2208 A3	3246 B7
2209 A4	3247 B8
2210 A5	3248 B8
2211 A6	3250 C6
2212 C5	3251 B6
2213 C4	3252 F3
2214 C5	3253 B3
2215 C6	3254 B1
2216 B5	3255 A2
2217 B4	3256 A2
2218 B5	3257 E2
2219 A5	4200 A3
2220 B5	4201 A4
2221 B6	4209 A5
2222 B9	4210 E6
2223 B9	4211 E6
2224 F2	4212 E6
2225 F1	6200 F2
2226 D8	6201 C1
2227 E5	6202 A1
2228 D8	6203 A3
2229 F1	6204 A4
2230 F2	6205 A5
3105 B2	6206 A3
3106 E5	6207 A6
3107 D7	7200 D5
3109 D8	7201 D4
3110 D8	7202 D4
3135 B1	7203 E4
3158 E4	7204 F4
3159 E4	7205 F4
3161 F1	7206 E3
3200 D3	7207 F2
3201 D4	7208 B3
3202 D4	7209 A2
3203 D3	7210 A3
3204 E4	7211 A4
3205 E4	7212 A5
3206 E3	7213-1 B5
3207 D5	7213-2 C5
3208 F4	7214 A1
3209 F3	7216 B7
3210 F5	7217 B7
3211 E2	7218 B8
3212 B1	7219 C8
3213 B1	7220 F4
3214 B1	7221 E6
3215 C1	7222 D8
3216 C1	T200 D1
3217 C1	T201 D1
3218 C1	T202 D1
3219 A2	T203 D1
3220 A2	T205 E1
3221 A4	T206 E1
3222 A4	T207 E1
3223 A5	T208 E1
3224 A6	T209 B9
3225 A6	T210 B9
3226 C4	T211 B9
3227 C5	T212 A6
3228 C4	T213 D5
3229 C4	T214 D5
3230 C4	T215 D6
3231 C5	T216 F6
3232 C6	
3233 A4	

\* OPTION  
+ RTR to implement

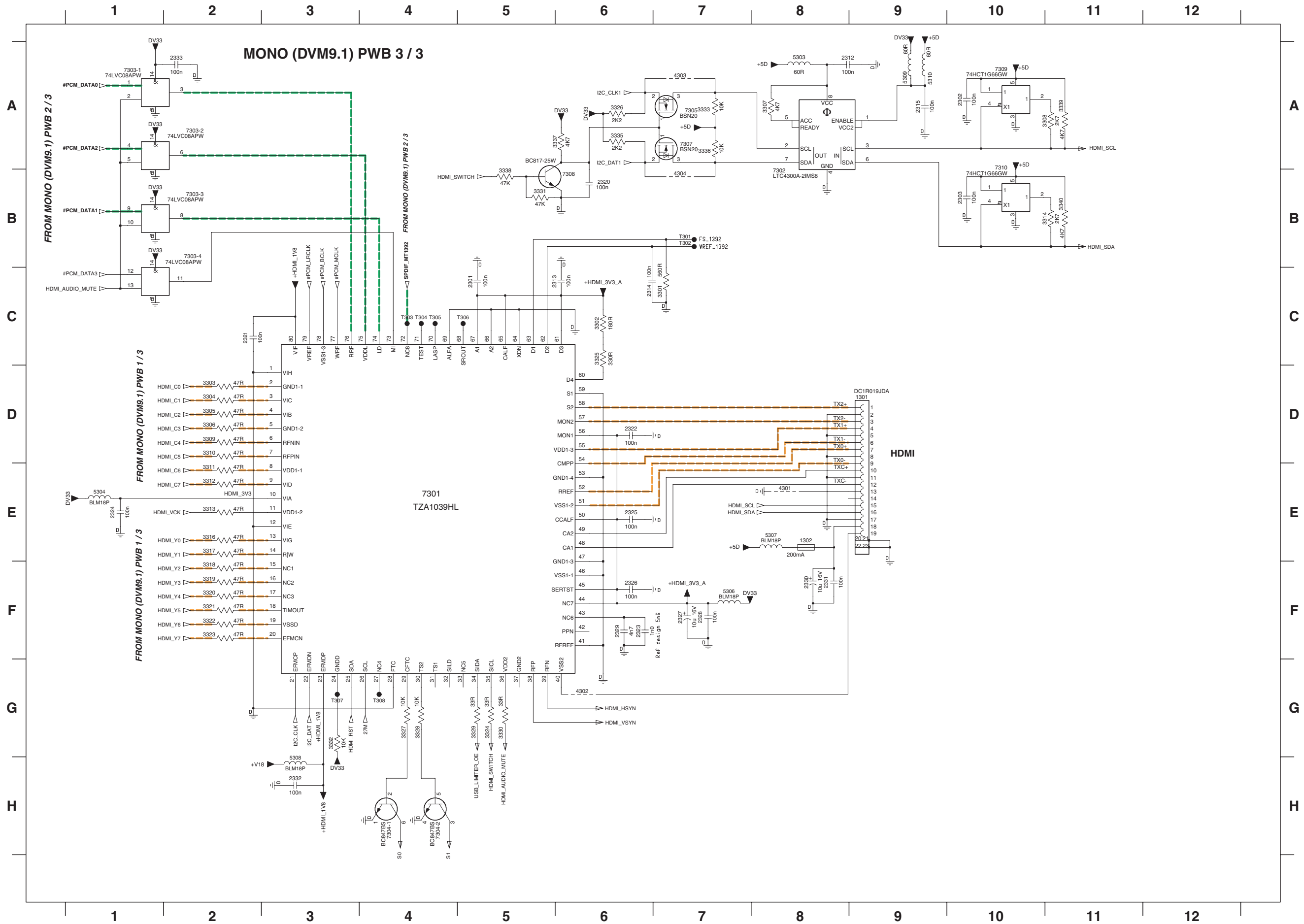




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1102 F1	3110 A10	7101 I12
1103 H1	3111 A12	7104 D4
1104 I10	3112 A9	7105 D3
1105 F5	3113 A12	7106 E2
1106 F6	3114 I11	7107 E3
2001 B6	3115 A12	7108 E10
2002 F2	3116 B4	7109 F3
2003 I11	3117 B8	7110 F4
2004 B6	3118 B9	7111 G4
2005 A5	3119 B12	7112 H6
2101 A4	3120 B7	7113 H7
2102 C6	3121 B10	7114 I12
2103 C6	3122 B10	7115 A4
2104 C6	3123 B4	7116 A5
2105 C3	3124 C4	7117 A5
2106 C3	3125 C4	7118 G5
2107 C4	3126 C4	7119 I13
2108 C4	3127 D4	7101 D2
2109 C13	3128 D12	7102 D2
2110 C6	3129 D4	7103 E2
2111 D1	3130 D4	7104 E2
2112 D2	3131 D3	7105 E2
2113 D13	3132 E2	7106 E2
2114 D5	3133 E3	7107 E2
2115 D3	3134 E3	7108 E2
2116 E1	3135 E5	7109 E2
2117 E5	3136 E2	7110 E2
2118 E5	3137 E3	7111 E2
2119 E4	3138 E5	7112 E2
2120 E4	3139 F3	7113 E2
2121 E4	3140 F3	7114 E2
2122 E4	3141 I11	7115 E2
2123 E4	3142 G2	7116 F2
2124 E5	3143 G2	7117 F2
2125 E5	3144 G2	7118 F2
2126 E6	3145 G2	7119 F2
2127 E2	3146 G2	7120 F2
2128 E13	3147 G2	7121 F2
2129 F5	3148 H3	7122 F2
2130 F13	3149 H3	7123 F2
2131 F6	3150 H3	7124 G1
2132 F6	3151 H10	7125 G1
2133 F3	3152 I12	7126 G1
2134 F13	3153 I6	7127 G1
2135 F6	3154 F13	7128 G1
2136 I1	3155 I10	7129 G1
2137 G13	3156 B5	7130 G1
2138 G4	3157 I2	7131 H1
2139 G13	3158 I2	7132 I1
2140 G6	3159 I6	7133 I1
2141 G6	3160 I7	7134 I1
2142 G1	3161 I9	7135 E7
2143 H13	3162 H13	7136 F7
2144 H2	3163 B10	7137 E7
2145 H7	3164 H13	7138 E7
2146 I11	3165 A10	7139 E7
2147 I11	3166 A5	7140 E7
2148 I3	3167 A6	7141 E7
2149 A9	3168 A6	7142 E7
2150 A9	3169 F5	7143 C7
2151 A9	3170 F5	7144 E7
2152 A8	3171 F4	7145 I10
2153 A9	3172 G5	7146 I10
2154 A8	3173 B3	7147 I10
2155 I9	3174 I9	7148 I10
2156 B10	3175 I9	7149 I10
2157 B11	3176 H13	7150 I10
2158 I5	3177 H13	
2159 I13	3178 B11	
2160 I1	3179 D14	
2161 I5	3180 D14	
2162 I11	3181 B11	
2163 I11	3182 F7	
2164 B4	3183 F7	
2165 B4	3184 F5	
2166 A4	3185 F5	
2167 B8	3186 D7	
2168 B8	3187 D2	
2169 A13	3188 D2	
2170 A9	3189 D2	
2171 B9	3190 D2	
2172 A9	3191 D2	
2173 B10	3192 D2	
2174 B10	3193 D2	
2175 B10	3194 D2	
2176 B8	3195 D2	
2177 B12	3196 D2	
2178 B7	3197 H13	
2179 B8	3198 F4	
2180 B8	3199 H10	
2181 B8	3200 I2	
2182 B8	3201 H11	
2183 B8	3202 I2	
2184 B12	3203 H10	
2185 G1	3204 A9	
2186 C2	3205 A9	
2187 I8	3206 B4	
2188 I8	3207 B4	
2189 B9	3208 B10	
2190 B13	3209 A9	
2191 B13	3210 C2	
2192 B7	3211 B13	
2193 B6	3212 D5	
2194 B6	3213 F3	
2195 C13	3214 D3	
2196 C6	3215 D2	
2197 C6	3216 D2	
2198 I11	3217 E5	
2199 G3	3218 F6	
3101 A10	5156 F3	
3102 A10	5157 G6	
3103 A10	5158 G1	
3104 A11	5159 G3	
3105 A12	5160 B6	
3106 A10	5161 H7	
3107 A10	5162 H6	

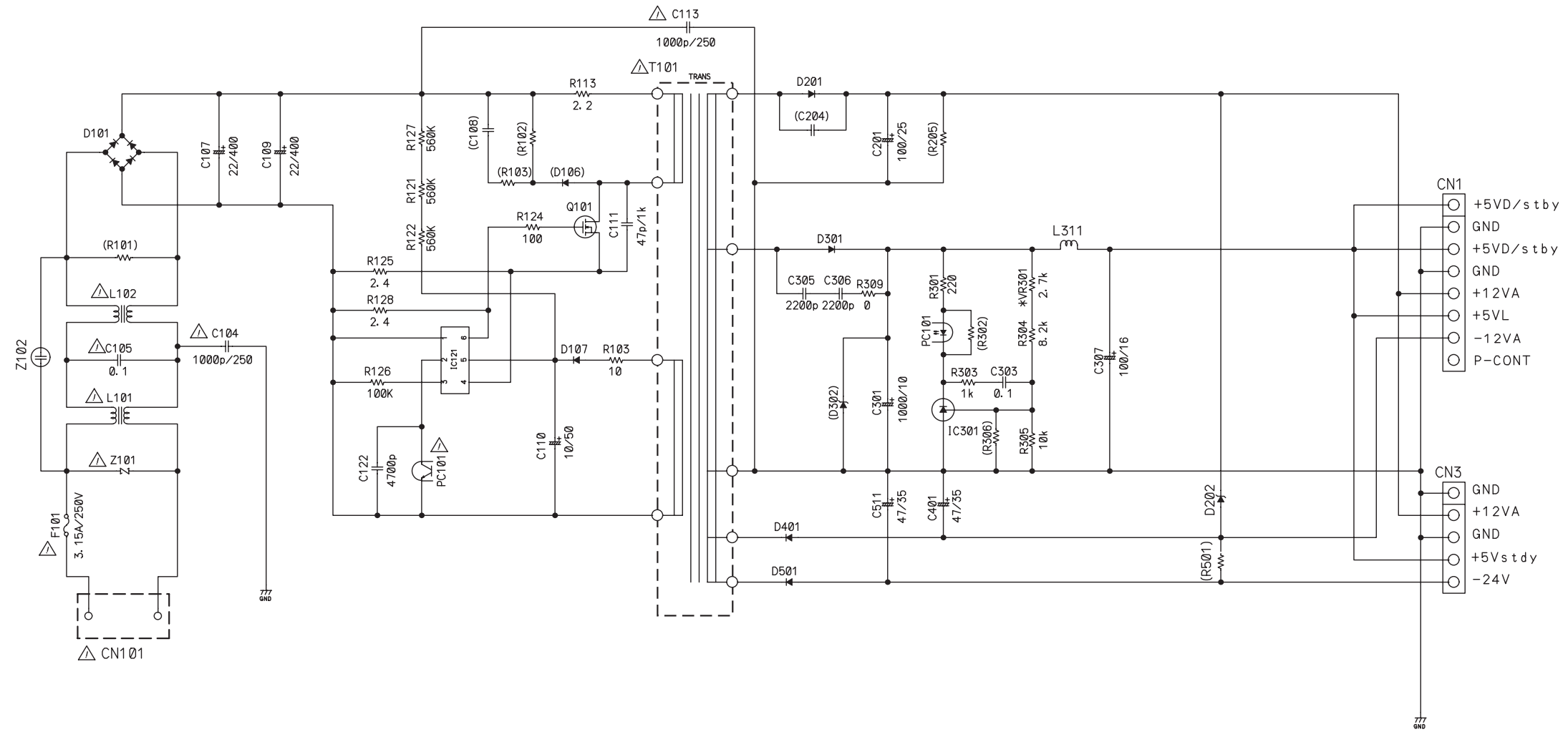


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1202 D5	3237 G2	F224 A8
1203 A13	3238 H9	F225 B8
1204 A12	3239 G2	F226 B8
1205 A8	3240 G2	F227 B8
1206 A9	3241 G2	F228 B8
1207 B9	3242 G2	F229 B8
1208 A12	3243 G11	F230 A13
1201 A1	3244 G2	F231 A13
1202 A2	3245 I12	F232 A13
1203 A3	3246 G2	F233 B13
1204 A4	3247 G11	F234 A13
1205 B1	3248 G2	F235 B13
1206 B2	3249 G2	F236 B13
1207 B3	3250 G2	F237 B13
1208 B4	3251 H2	F238 B13
1209 B1	3252 H2	F239 B13
1210 B2	3253 H2	F240 B13
1211 C1	3254 H2	F241 B13
1212 C2	3255 H7	F242 B13
1213 D8	3256 H2	F243 B13
1214 E3	3257 H6	F244 C12
1215 E4	3258 E12	F245 B13
1216 E4	3259 H2	F246 B8
1217 E4	3260 G9	F247 C8
1218 E4	3261 H2	F248 C8
1219 E4	3262 G11	F249 A8
1220 E4	3263 H4	
1221 B6	3264 H4	
1222 C6	3265 B11	
1223 C6	3266 C10	
1224 C6	3267 E1	
1225 C6	3268 H11	
1226 C6	3269 H11	
1227 A9	3270 H2	
1228 A9	3271 A10	
1229 A9	3272 H13	
1230 B9	3273 G13	
1231 B9	3274 G8	
1232 B9	3275 C3	
1233 C9	3276 C3	
1234 C9	3277 B3	
1235 C9	3278 B3	
1236 C9	3279 B3	
1237 A13	3280 B3	
1238 F10	3281 B3	
1239 F11	3282 D5	
1240 F4	4201 A14	
1241 F2	4202 A14	
1242 F4	4203 A7	
1243 F4	4204 A14	
1244 F7	4205 A14	
1245 F4	4206 B7	
1246 F4	4207 B14	
1247 F7	4208 B8	
1248 F4	4209 B8	
1249 F4	4210 H6	
1250 G11	4211 B14	
1251 G9	4212 B11	
1252 H9	4213 D7	
1253 I12	4214 E7	
1254 G12	4215 H11	
1255 G11	4216 D2	
1256 D10	4217 H13	
1257 B10	4218 E2	
1258 A13	5201 A2	
1259 A13	5202 A4	
1260 B13	5203 B2	
1261 B13	5204 B4	
1262 B13	5205 B2	
1263 H8	5206 C2	
1264 C13	5207 C8	
1265 B13	5209 G10	
1266 B13	5210 F11	
1267 B13	5211 F2	
1268 E2	5212 F7	
1269 A13	7201 D7	
1308 C10	7203 G10	
1301 A1	7204 I12	
1302 A2	7205 F6	
1303 A3	7206 G4	
1304 A4	7207 C11	
1305 B8	7208 A10	
1306 B1	7209 B10	
1307 B2	7210 C11	
1308 B3	7211 D10	
1309 B4	7212 E12	
1310 B1	7213 H13	
1311 B2	7214 E2	
1312 C1	F201 B6	
1313 C2	F202 B6	
1314 C3	F203 B6	
1315 C3	F204 B6	
1316 D3	F205 C6	
1317 D3	F206 C6	
1318 D3	F207 C6	
1319 D7	F208 C6	
1320 D8	F209 C6	
1321 D3	F210 C6	
1322 E3	F211 C6	
1323 E4	F212 C6	
1324 E4	F213 C6	
1325 E5	F214 D6	
1328 G12	F215 D6	
1329 G12	F216 D6	
1330 G11	F217 D6	
1331 G11	F218 D6	
1332 H9	F219 D6	
1333 F2	F220 D6	
1334 H12	F221 D6	
1335 G2	F222 A8	

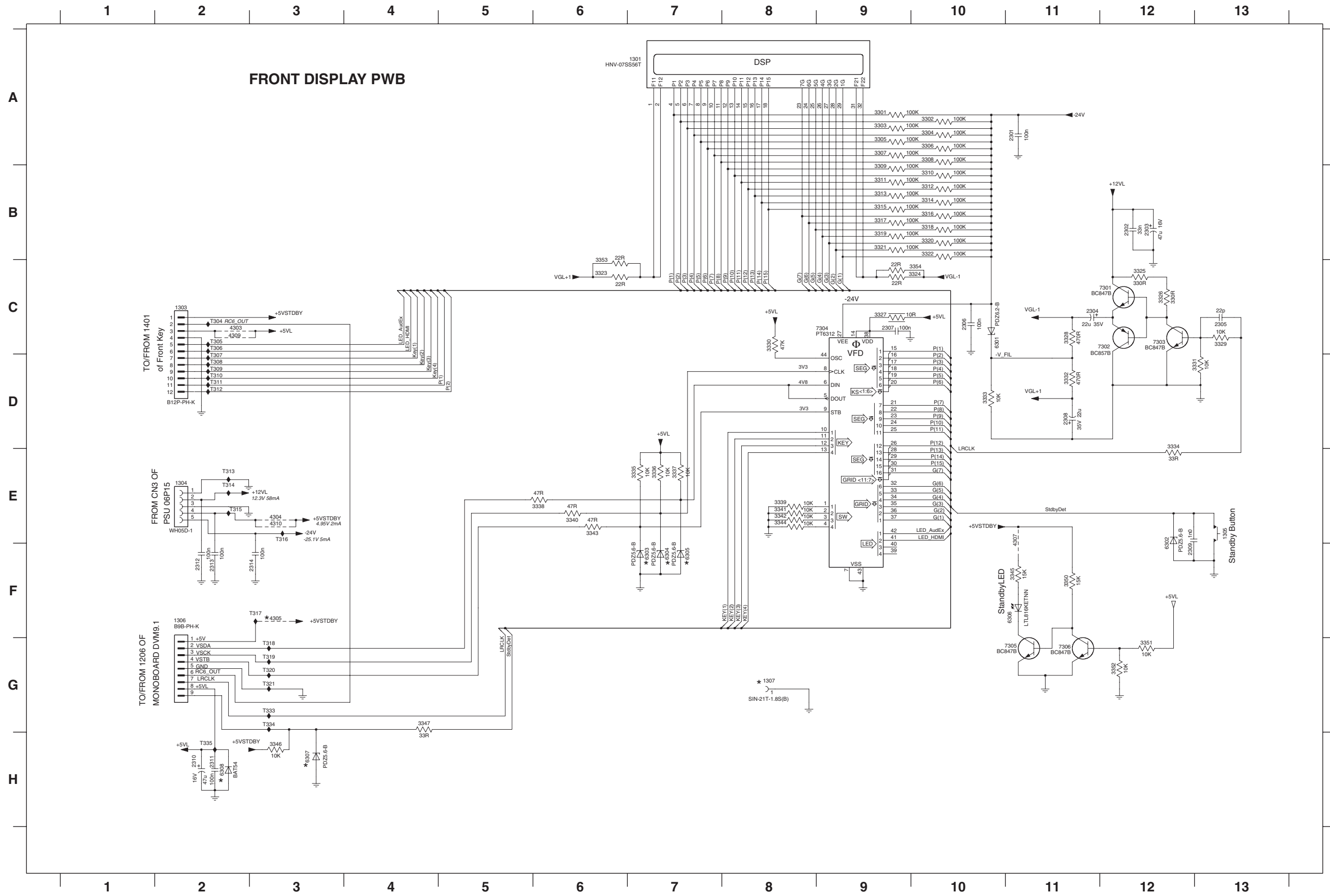


- 1301 D9
- 1302 E8
- 2301 C5
- 2302 A10
- 2303 B10
- 2312 A8
- 2313 C6
- 2314 A9
- 2315 A6
- 2320 B6
- 2321 C2
- 2322 D6
- 2323 F6
- 2324 E1
- 2325 E6
- 2326 F6
- 2327 F7
- 2328 F7
- 2329 F6
- 2330 F8
- 2331 F8
- 2332 H3
- 2333 A2
- 3301 C7
- 3302 C6
- 3303 D2
- 3304 D2
- 3305 D2
- 3306 D2
- 3307 A8
- 3308 A11
- 3309 D2
- 3310 D2
- 3311 E2
- 3312 E2
- 3313 E2
- 3314 B11
- 3316 E2
- 3317 E2
- 3318 F2
- 3319 F2
- 3320 F2
- 3321 F2
- 3322 F2
- 3323 F2
- 3324 G5
- 3325 C6
- 3326 A6
- 3327 G4
- 3328 G4
- 3329 G5
- 3330 G5
- 3331 B5
- 3332 G3
- 3333 A7
- 3335 A6
- 3336 A7
- 3337 A6
- 3338 B5
- 3339 A11
- 3340 B11
- 4301 E8
- 4302 G6
- 4303 A7
- 4304 B7
- 5303 A8
- 5304 E1
- 5306 F7
- 5307 E8
- 5308 H3
- 5309 A9
- 5310 A9
- 7301 E4
- 7302 B8
- 7303-1 A1
- 7303-2 A1
- 7303-3 B1
- 7303-4 B1
- 7304-1 H4
- 7304-2 H4
- 7305 A7
- 7307 A7
- 7308 B6
- 7309 A10
- 7310 B10
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- T302 B7
- T303 C4
- T304 C4
- T305 C4
- T306 C5
- T307 G3
- T308 G4

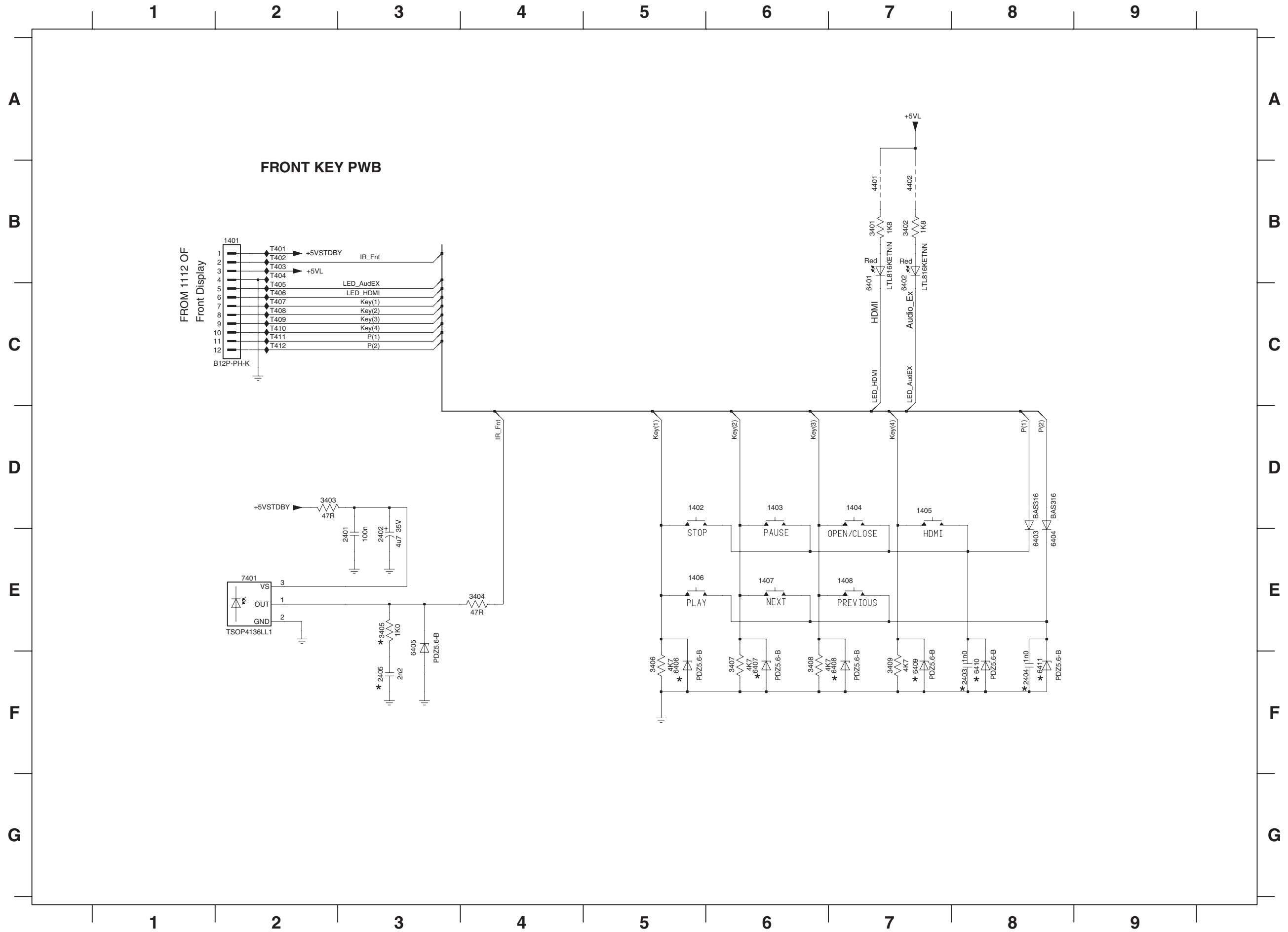
PSU PWB



D101	D1UBA80	D201, D401	PR1003, RGP10D
D107	PR1003, RGP10D	D202	MTZ30, MA4300
IC121	SG6848	D301	SB560, RK46
Q101	FQI2N80	D501	PR1005, RGP10J
PC101	LTV-817M, PC123, PS2561	IC301	TL431, MM1431A



- 1301 A7
- 1303 C2
- 1304 E2
- 1305 E13
- 1306 F2
- 1307 G8
- 2301 A11
- 2302 B12
- 2303 B11
- 2304 C12
- 2305 C13
- 2306 C10
- 2307 C9
- 2308 D11
- 2309 F12
- 2310 H2
- 2311 H2
- 2312 F2
- 2313 F2
- 2314 F3
- 3301 A9
- 3302 A10
- 3303 A9
- 3304 A10
- 3305 A9
- 3306 A10
- 3307 A9
- 3308 A10
- 3309 B9
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- 3324 C10
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- 3329 C13
- 3330 C8
- 3331 D13
- 3332 D11
- 3333 D10
- 3334 D12
- 3335 E7
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- 3337 E7
- 3338 E6
- 3339 E8
- 3340 E6
- 3341 E8
- 3342 E8
- 3343 E6
- 3344 E8
- 3345 F11
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- 3347 G4
- 3350 F11
- 3351 G12
- 3352 G12
- 3353 C6
- 3354 C10
- 4303 C2
- 4304 E3
- 4305 F3
- 4307 E11
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- 4310 E3
- 6301 C10
- 6302 E12
- 6303 F7
- 6304 F7
- 6305 F7
- 6306 F11
- 6307 H3
- 6308 H2
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- 7302 C12
- 7303 C12
- 7304 C9
- 7305 G11
- T304 C2
- T305 C2
- T306 C2
- T307 D2
- T308 D2
- T309 D2
- T310 D2
- T311 D2
- T312 D2
- T313 E2
- T314 E2
- T315 E2
- T316 E3
- T317 F3
- T318 G3
- T319 C
- T320 C
- T321 C
- T322 C
- T323 C
- T324 C
- T325 F

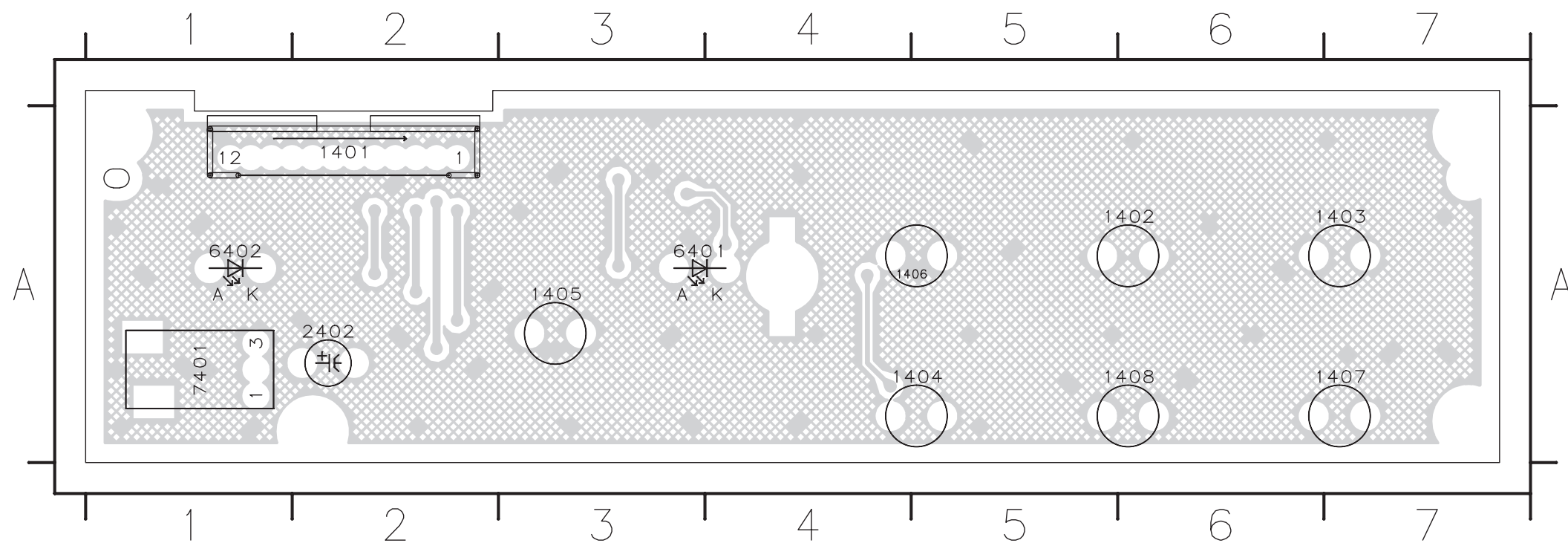


- 1401 B2
- 1402 D5
- 1403 D6
- 1404 D7
- 1405 D7
- 1406 E5
- 1407 E6
- 1408 E7
- 2401 E3
- 2402 E3
- 2403 F8
- 2404 F8
- 2405 F3
- 3401 B7
- 3402 B7
- 3403 D2
- 3404 E4
- 3405 E3
- 3406 F5
- 3407 F6
- 3408 F6
- 3409 F7
- 4401 B7
- 4402 B7
- 6401 B7
- 6402 B7
- 6403 E8
- 6404 E8
- 6405 E3
- 6406 F5
- 6407 F6
- 6408 F7
- 6409 F7
- 6410 F8
- 6411 F8
- 7401 E2
- T401 B2
- T402 B2
- T403 B2
- T404 B2
- T405 C2
- T406 C2
- T407 C2
- T408 C2
- T409 C2
- T410 C2
- T411 C2
- T412 C2

# 11. PARTS LOCATION

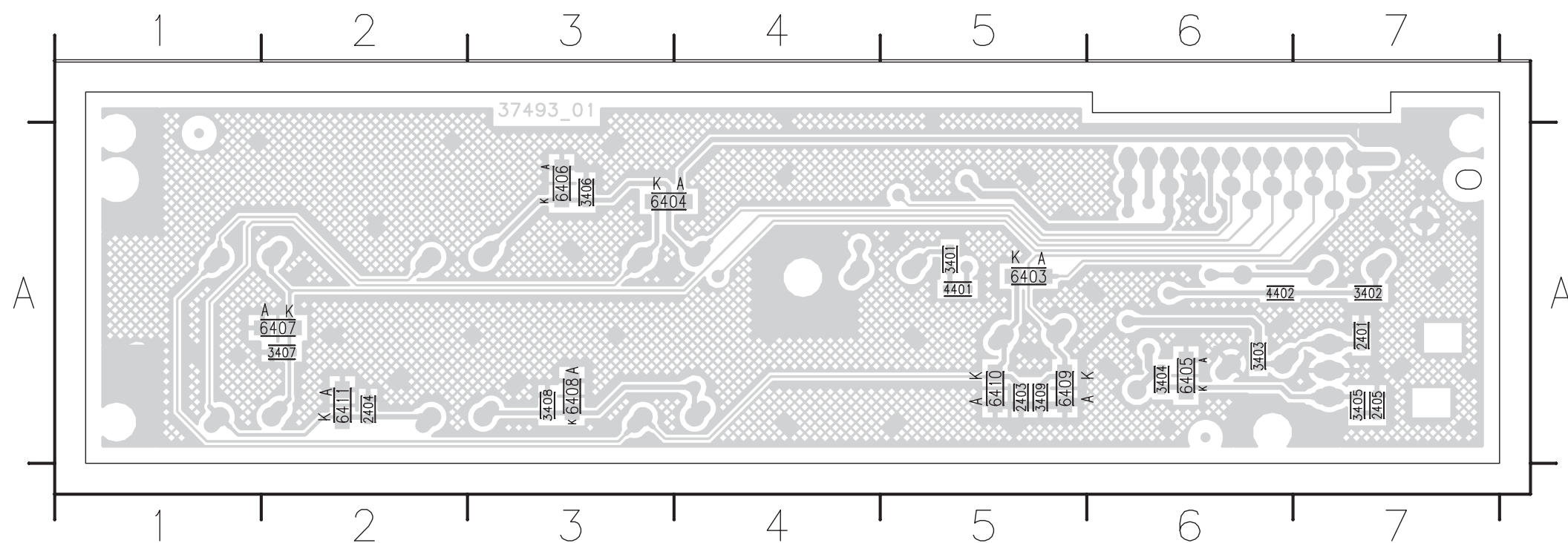
## FRONT KEY PWB (A)

1401 A2	1403 A7	1405 A3	1407 A7	2402 A2	6402 A1
1402 A6	1404 A5	1406 A4	1408 A6	6401 A3	7401 A1



## FRONT KEY PWB (B)

2401 A7	2405 A7	3403 A6	3406 A3	3409 A5	6403 A5	6406 A3	6409 A5
2403 A5	3401 A5	3404 A6	3407 A2	4401 A5	6404 A3	6407 A2	6410 A5
2404 A2	3402 A7	3405 A7	3408 A3	4402 A6	6405 A6	6408 A3	6411 A2

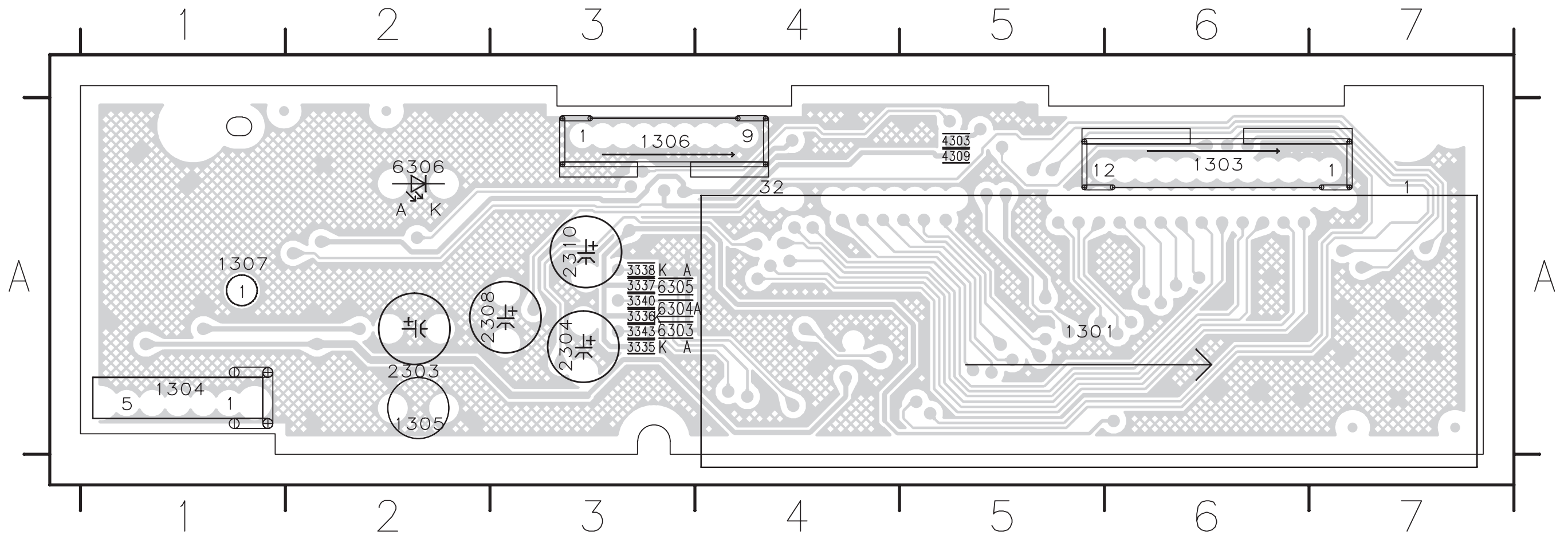


**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

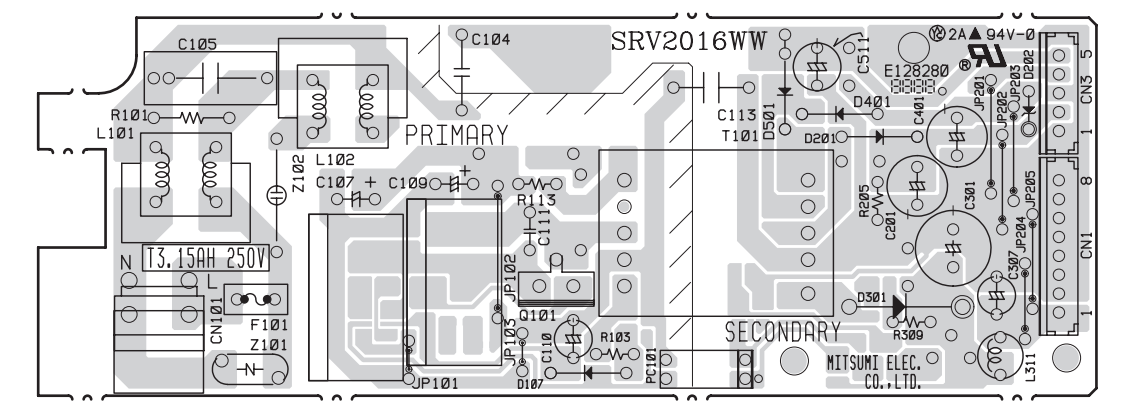
FRONT DISPLAY PWB (A)

1301	A5	1305	A2	2303	A2	2310	A3	3337	A3	3343	A3	6303	A3	6306	A2		
1303	A6	1306	A3	2304	A3	3335	A3	3338	A3	4303	A5	4309	A5	6304	A3		
1304	A1	1307	A1	2308	A2	3336	A3	3340	A3					6305	A3		



**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

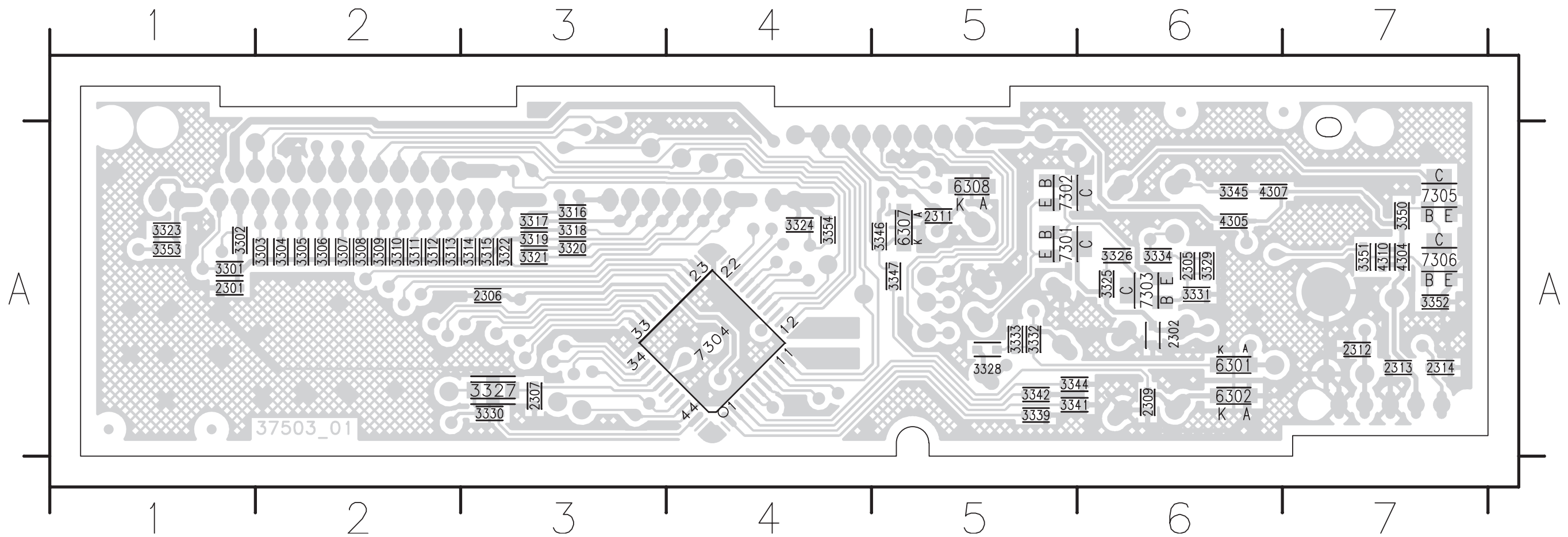
PSU PWB (A)



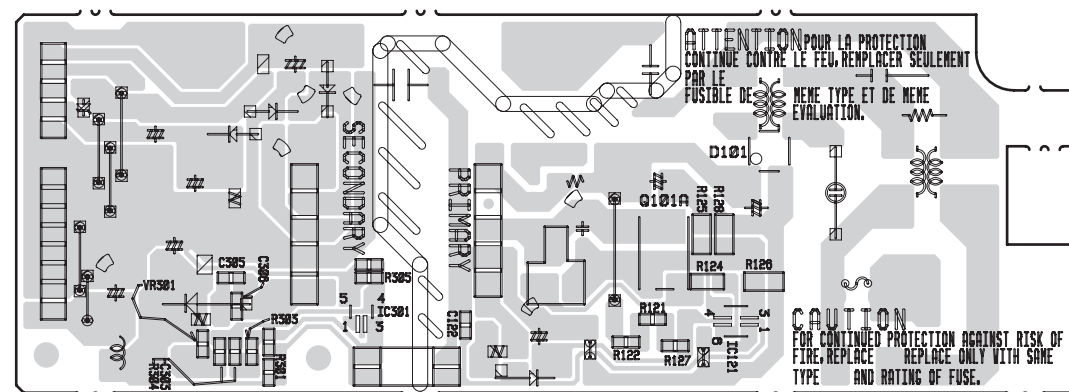


FRONT DISPLAY PWB (B)

2301	A1	2312	A7	3305	A2	3312	A2	3319	A3	3326	A6	3333	A5	3346	A5	4304	A7	6308	A5
2302	A6	2313	A7	3306	A2	3313	A2	3320	A3	3327	A3	3334	A6	3347	A5	4305	A6	7301	A5
2305	A6	2314	A7	3307	A2	3314	A3	3321	A3	3328	A5	3339	A5	3350	A7	4307	A6	7302	A5
2306	A3	3301	A1	3308	A2	3315	A3	3322	A3	3329	A6	3341	A5	3351	A7	4310	A7	7303	A6
2307	A3	3302	A1	3309	A2	3316	A3	3323	A1	3330	A3	3342	A5	3352	A7	6301	A6	7304	A4
2309	A6	3303	A2	3310	A2	3317	A3	3324	A4	3331	A6	3344	A5	3353	A1	6302	A6	7305	A7
2311	A5	3304	A2	3311	A2	3318	A3	3325	A6	3332	A5	3345	A6	3354	A4	6307	A5	7306	A7

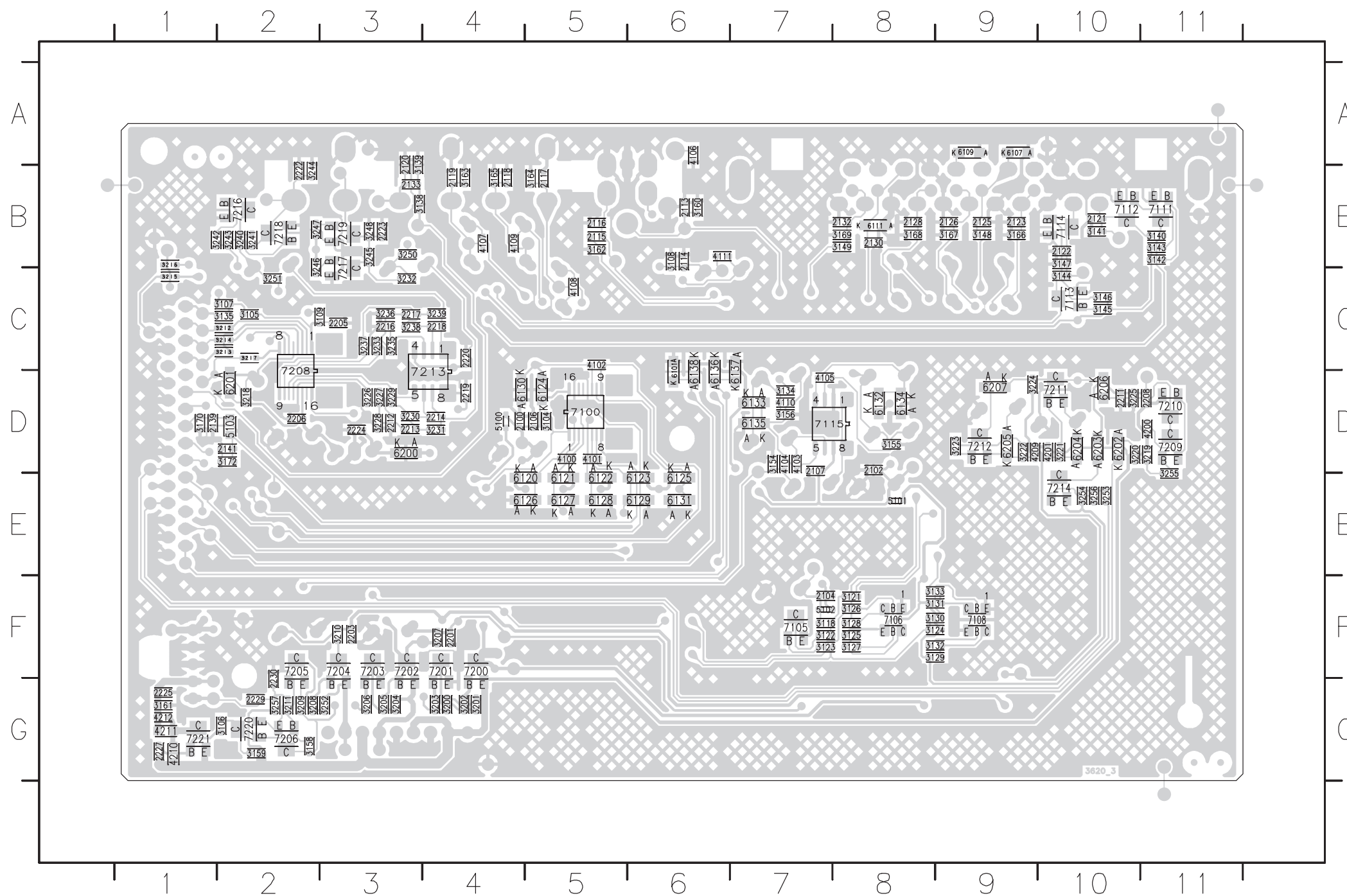


PSU PWB (B)



**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。  
**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).





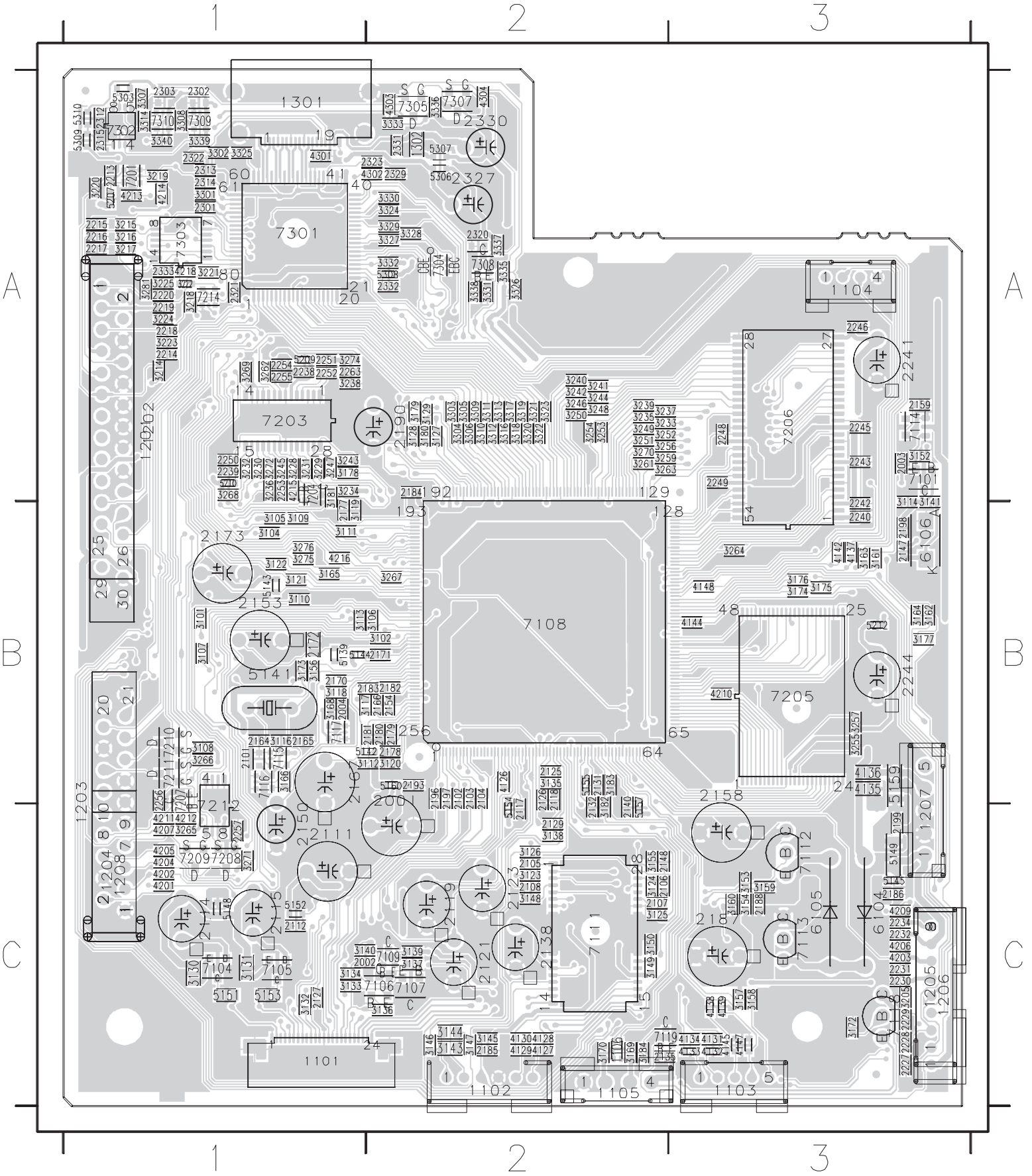
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**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

MONO (DVM9.1) PWB (A)

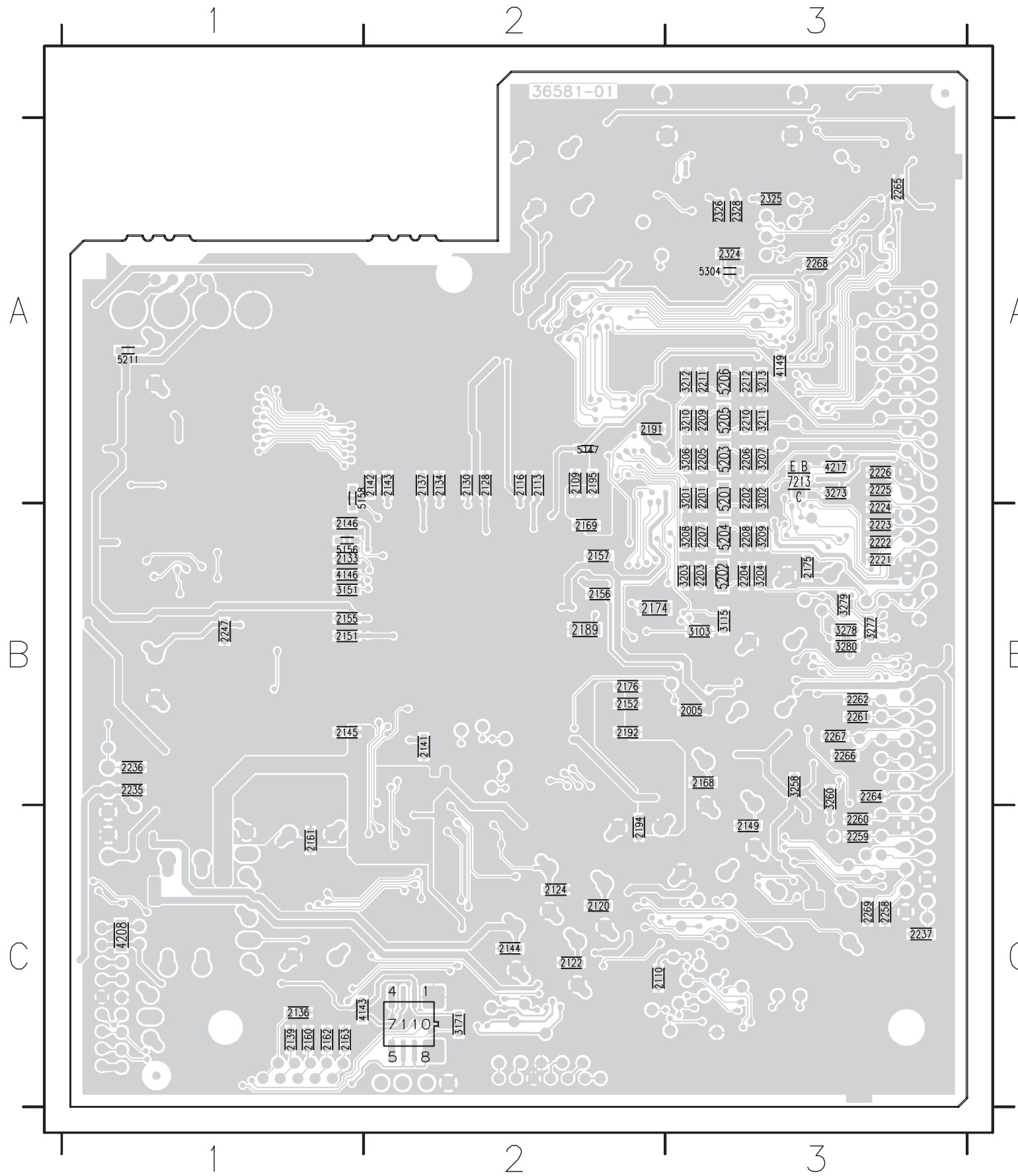
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1102	C2	2179	B2	2327	A2	3161	B3	3255	B3	4130	C2	6105	C3
1103	C3	2180	B2	2329	A2	3162	B3	3256	A2	4131	C3	6106	B3
1104	A3	2181	B2	2330	A2	3163	B3	3257	B3	4132	C3	7101	A3
1105	C2	2182	B2	2331	A2	3164	B3	3259	A2	4133	C3	7104	C1
1106	C2	2183	B2	2332	A2	3165	B1	3261	A2	4134	C3	7105	C1
1201	A1	2184	A2	2333	A1	3166	B1	3262	A1	4135	B3	7106	C2
1202	A1	2185	C2	3101	B1	3168	B1	3263	A2	4136	B3	7107	C2
1203	B1	2186	C3	3102	B2	3169	C2	3264	B3	4137	B3	7108	B2
1204	C1	2187	C3	3104	B1	3170	C2	3265	C1	4138	C3	7109	C2
1205	C3	2188	C3	3105	B1	3172	C3	3266	B1	4139	C3	7111	C2
1206	C3	2190	A2	3106	B2	3173	B1	3267	B2	4142	B3	7112	C3
1207	C3	2193	B2	3107	B1	3174	B3	3268	A1	4144	B3	7113	C3
1208	C1	2196	B2	3108	B1	3175	B3	3269	A1	4145	C3	7114	A3
1301	A1	2197	B2	3109	B1	3176	B3	3270	A2	4147	C3	7115	B1
1302	A2	2198	B3	3110	B1	3177	B3	3271	C1	4148	B3	7116	B1
2001	B2	2199	C3	3111	B1	3178	A1	3272	A1	4201	C1	7117	B1
2002	C1	2213	A1	3112	B2	3179	A2	3274	A1	4202	C1	7118	C3
2003	A3	2214	A1	3113	B1	3180	A2	3275	B1	4203	C3	7119	C2
2004	B1	2215	A1	3114	B3	3181	A1	3276	B1	4204	C1	7201	A1
2101	B1	2216	A1	3116	B1	3182	C2	3281	A1	4205	C1	7203	A1
2102	B2	2217	A1	3117	B1	3183	B2	3301	A1	4206	C3	7204	A1
2103	B2	2218	A1	3118	B1	3184	C2	3302	A1	4207	C1	7205	B3
2104	B2	2219	A1	3119	B1	3205	C3	3303	A2	4209	C3	7206	A3
2105	C2	2220	A1	3120	B2	3214	A1	3304	A2	4210	B3	7207	B1
2106	C2	2227	C3	3121	B1	3215	A1	3305	A2	4211	C1	7208	C1
2107	C2	2228	C3	3122	B1	3216	A1	3306	A2	4212	C1	7209	C1
2108	C2	2229	C3	3123	C2	3217	A1	3307	A1	4213	A1	7210	B1
2111	C1	2230	C3	3124	C2	3218	A1	3308	A1	4214	A1	7211	B1
2112	C1	2231	C3	3125	C2	3219	A1	3309	A2	4215	A1	7212	C1
2114	C1	2232	C3	3126	C2	3220	A1	3310	A2	4216	B1	7214	A1
2115	C1	2234	C3	3127	A2	3221	A1	3311	A2	4218	A1	7301	A1
2117	C2	2238	A1	3128	A2	3222	A1	3312	A2	4301	A1	7302	A1
2118	B2	2239	A1	3129	A2	3223	A1	3313	A2	4302	A2	7303	A1
2119	C2	2240	B3	3130	C1	3224	A1	3314	A1	4303	A2	7304	A2
2121	C2	2241	A3	3131	C1	3225	A1	3316	A2	4304	A2	7305	A2
2123	C2	2242	B3	3132	C1	3228	A1	3317	A2	5139	B1	7307	A2
2125	B2	2243	A3	3133	C1	3229	A1	3318	A2	5141	B1	7308	A2
2126	B2	2244	B3	3134	C1	3230	A1	3319	A2	5142	B2	7309	A1
2127	C1	2245	A3	3135	B2	3231	A1	3320	A2	5143	B1	7310	A1
2129	C2	2246	A3	3136	C2	3232	A1	3321	A2	5144	B1		
2131	B2	2248	A3	3137	C2	3233	A2	3322	A2	5145	C3		
2132	C2	2249	A3	3138	C2	3234	A1	3323	A2	5148	C1		
2135	C2	2250	A1	3139	C2	3235	A2	3324	A2	5149	C3		
2138	C2	2251	A1	3140	C1	3236	A1	3325	A1	5151	C1		
2140	C2	2252	A1	3141	B3	3237	A2	3326	A2	5152	C1		
2147	B3	2253	A1	3143	C2	3238	A1	3327	A2	5153	C1		
2148	C2	2254	A1	3144	C2	3239	A2	3328	A2	5154	C2		
2150	C1	2255	A1	3145	C2	3240	A2	3329	A2	5155	B2		
2153	B1	2256	B1	3146	C2	3241	A2	3330	A2	5157	C2		
2154	B2	2257	C1	3147	C2	3242	A2	3331	A2	5159	B3		
2158	B3	2263	A1	3148	C2	3243	A1	3332	A2	5160	B2		
2159	A3	2301	A1	3149	C2	3244	A2	3333	A2	5207	A1		
2164	B1	2302	A1	3150	C2	3245	A1	3335	A2	5209	A1		
2165	B1	2303	A1	3152	A3	3246	A2	3336	A2	5210	A1		
2166	B2	2312	A1	3153	C3	3247	A1	3337	A2	5212	B3		
2167	B1	2313	A1	3154	C3	3248	A2	3338	A2	5303	A1		
2170	B1	2314	A1	3155	C2	3249	A2	3339	A1	5306	A2		
2171	B2	2315	A1	3156	B1	3250	A2	3340	A1	5307	A2		
2172	B1	2320	A2	3157	C3	3251	A2	4126	B2	5308	A2		
2173	B1	2321	A1	3158	C3	3252	A2	4127	C2	5309	A1		
2177	B1	2322	A1	3159	C3	3253	A2	4128	C2	5310	A1		



**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

MONO (DVM9.1) PWB (B)

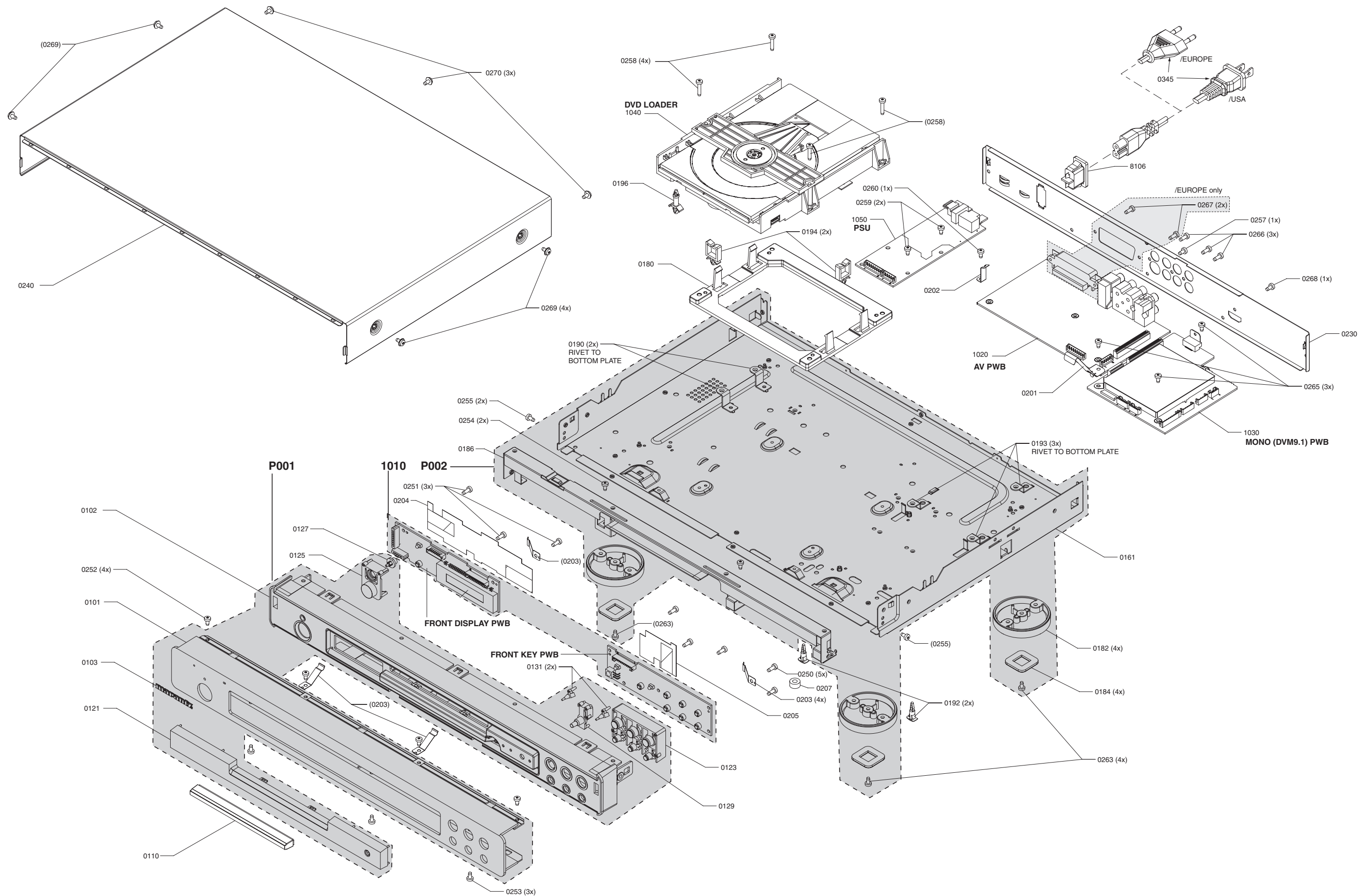


2005	B3	2247	B1
2109	A2	2258	C3
2110	C2	2259	C3
2113	A2	2260	C3
2116	A2	2261	B3
2120	C2	2262	B3
2122	C2	2264	B3
2124	C2	2265	A3
2128	A2	2266	B3
2130	A2	2267	B3
2133	B1	2268	A3
2134	A2	2269	C3
2136	C1	2324	A3
2137	A2	2325	A3
2139	C1	2326	A3
2141	B2	2328	A3
2142	A2	3103	B3
2143	A2	3115	B3
2144	C2	3151	B1
2145	B1	3171	C2
2146	B1	3201	A3
2149	C3	3202	A3
2151	B1	3203	B3
2152	B2	3204	B3
2155	B1	3206	A3
2156	B2	3207	A3
2157	B2	3208	B3
2160	C1	3209	B3
2161	C1	3210	A3
2162	C1	3211	A3
2163	C1	3212	A3
2168	B3	3213	A3
2169	B2	3258	B3
2174	B2	3260	B3
2175	B3	3273	A3
2176	B2	3277	B3
2189	B2	3278	B3
2191	A2	3279	B3
2192	B2	3280	B3
2194	C2	4143	C1
2195	A2	4146	B1
2201	A3	4149	A3
2202	A3	4208	C1
2203	B3	4217	A3
2204	B3	5147	A2
2205	A3	5156	B1
2206	A3	5158	A1
2207	B3	5201	A3
2208	B3	5202	B3
2209	A3	5203	A3
2210	A3	5204	B3
2211	A3	5205	A3
2212	A3	5206	A3
2221	B3	5211	A1
2222	B3	5304	A3
2223	B3	7110	C2
2224	B3	7213	A3
2225	A3		
2226	A3		
2235	B1		
2236	B1		
2237	C3		

**鉛フリー半田**  
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

**Lead-free Solder**  
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

## 12. EXPLODED VIEW AND PARTS LIST



P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION	
	P001	/N1B	00M39CW248510	00M39CW248510	FRONT ASSY	FRONT ASSY MDVS3002B	314107943081
	P001	/N1S	00M39CW248530	00M39CW248530	FRONT ASSY	FRONT ASSY MDVS3002S	314107943091
	P001	/U1B	nsp	00M39CW248510	FRONT ASSY	FRONT ASSY MDVS3002B	314107943081
	P002	/N1B	nsp	nsp	CHASSIS	FRAME ASSY MDVS3002	314107943101
	P002	/N1S	nsp	nsp	CHASSIS	FRAME ASSY MDVS3002 SI	314107943151
	P002	/U1B	nsp	nsp	CHASSIS	FRAME ASSY MDVS3002	314107943101
	0110	/N1B	00M20CW063010	00M20CW063010	ESCUTCHEON	COVER TRAY MDVS4001 BL	313924413711
	0110	/N1S	00M20CW063210	00M20CW063210	ESCUTCHEON	COVER TRAY MDVS4001 SI	313924413611
	0110	/U1B	nsp	00M20CW063010	ESCUTCHEON	COVER TRAY MDVS4001 BL	313924413711
	0180		nsp	nsp	BRACKET	BRACKET LOADER MDVS4001	313924413651
	0201		nsp	nsp	SPRING	SPRING EMC -S661	313924126451
	0202		nsp	nsp	SPRING	EMC SPRING	313924100043
	0202		nsp	nsp	SPRING	EMC SPRING	313924100043
	0203		nsp	nsp	SPRING	ESD SPRING MDVS4001	313924126131
	0204		nsp	nsp	INSULATOR	CUTSHEET DISPLAY PWB MDVS4001	313924320731
	0205		nsp	nsp	INSULATOR	CUTSHEET CONTROL PWB MDVS4001	313924320811
	0230	/N1B	nsp	nsp	PANEL	PLATE REAR MDVS3002/12	313924126801
	0230	/N1S	nsp	nsp	PANEL	PLATE REAR MDVS3002/12	313924126801
	0230	/U1B	nsp	nsp	PANEL	PLATE REAR MDVS3002/37	313924126821
	1010		90M-ZZ004600R	90M-ZZ004600R	PWB ASSY	PCBAS PANEL FRONT DV3002	313924852691
	1020	/N1B	90M-ZZ004620R	90M-ZZ004620R	PWB ASSY	PCBAS MEM AV DV3002 EU	313924852741
	1020	/N1S	90M-ZZ004620R	90M-ZZ004620R	PWB ASSY	PCBAS MEM AV DV3002 EU	313924852741
	1020	/U1B	nsp	90M-ZZ004610R	PWB ASSY	PCBAS MEM AV DV3002	313924852751
	1030		90M-ZZ004630R	90M-ZZ004630R	PWB ASSY	PCBAS MEM DVM9.1 DV3002	313924852731
	1040		00MZK20CW0020	00MZK20CW0020	MECHANISM	LOADER ASSY WXD8829 KHM313 RX	313924800181
	1050		90M-ZZ003810R	90M-ZZ003810R	PWB ASSY	PSU DV4001 06P15 WR SRV2016WW	313924713351
	1060		90M-FC500200R	90M-FC500200R	FERRITE CORE	FERRITE W/CLAMP ZCAT2132-1130A	313924110031
	8101		nsp	nsp	CORD	CBLE MIS 05P/220/05P MIS 26OS	313911103091
	8102		nsp	nsp	CORD	CBLE MIS 08P/340/08P MIS 26OS	313911101821
	8103		nsp	nsp	CORD	CBLE PH 09P/560/09P PH 26ST BK	313924102871
	8105		nsp	nsp	CORD	CBLE PH 12P/300/12P PH 26ST	313924103041
	▲ 8106	/N1B	90M-YT005160R	90M-YT005160R	TERMINAL	# CBLE MAINS ASSY 140MM EU	313924103121
	▲ 8106	/N1S	90M-YT005160R	90M-YT005160R	TERMINAL	# CBLE MAINS ASSY 140MM EU	313924103121
	▲ 8106	/U1B	nsp	90M-YT005170R	TERMINAL	# CBLE MAINS ASSY 140MM	313924101731
	8100		nsp	90M-YU002470R	FPC	FFC FOIL 30P/060/30P AD	313924102491
<b>PACKING</b>							
	0341		00MZK20CW0010	00MZK20CW0010	UNIT KIT	REMOTE CONTROLLER RC-001DV	242254901284
	▲ 0345	/N1B	90M-ZC000610R	90M-ZC000610R	MAINS CORD	# MAINSCORD EUR 2A5 1M5 DET 2P	242207098151
	▲ 0345	/N1S	90M-ZC000610R	90M-ZC000610R	MAINS CORD	# MAINSCORD EUR 2A5 1M5 DET 2P	242207098151
	▲ 0345	/U1B	nsp	90M-ZC000620R	MAINS CORD	# MAINSCORD UL 7A 1M5 DET 2P	242207000106
	0360	/N1B	00M39CW851310	00M39CW851310	USER GUIDE	USER MANUAL MDVS3002/12	313924527011
	0360	/N1S	00M39CW851310	00M39CW851310	USER GUIDE	USER MANUAL MDVS3002/12	313924527011
	0360	/U1B	nsp	00M39CW851250	USER GUIDE	USER MANUAL MDVS3002/37	313924527021
<b>NOT STANDARD SPARE PART</b>							
	0240	/N1B	nsp	00M20CW257010	LID	COVER TOP MDVS4001 BL	313924125291
	0240	/N1S	nsp	00M20CW257210	LID	COVER TOP MDVS4001 SI	313924125511
	0240	/U1B	nsp	00M20CW257010	LID	COVER TOP MDVS4001 BL	313924125291
	0350		nsp	90M-ZD000610R	CONN. CORD	CBLE 1M5 CINCH RDYEWB B	242207600718
	0650		nsp	00M39CW801010	PACKING CASE	BOX DISPLAY MDVS3002	313924629131
	0652		nsp	nsp	PARTITIONER	PLATE CARTON 117 X 249	313924628311
	0662		nsp	00M20CW809010	CUSHION	BUFFER LEFT MDVS4001	313924627961
	0663		nsp	00M20CW809020	CUSHION	BUFFER RIGHT MDVS4001	313924628231

NOTE : \*nsp\* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.