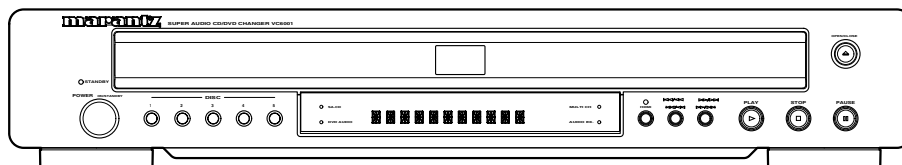


Service Manual

VC6001 /U1B

Super Audio CD/DVD Changer



SUPER AUDIO CD



HDMI



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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®

VC6001

Part no. 90M18CW855010
First Issue 2006.12
MZ

VC6001

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

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AUCKLAND NEW ZEALAND
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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. 6500.

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

1. TECHNICAL SPECIFICATIONS

General

System. DVD-Video, DVD-Audio, DVD±R/RW, Super Audio CD, 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 consumption25 W
 Power consumption in standby mode.....0.8 W

Weight 5.8 kg (12 lb 13 oz)

Dimensions..... 440 (W) x 78 (D) x 427 (H) mm
 (17.3 (W) x 3.1 (D) x 16.8 (H) in.)

Operating temperature ... + 5 °C to + 35 °C (+ 41 °F to + 96 °F)
 Operating humidity5 % to 85 % (no condensation)

S-Video output

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

Video output

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

Component video output (Y, C_B, C_R)

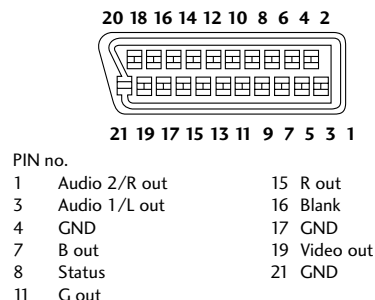
Output level..... Y : 1.0 Vp-p (75 Ω)
 C_B/P_B, C_R/P_R : 0.7 Vp-p (75 Ω)
 Jacks RCA jack

HDMI output

Output Terminal 19-pin
 (all-digital audio/video interface)

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.



Audio output

Output level (During audio output).....2 Vrms (1 kHz, 0 dB)
 Number of channels2/6
 Jacks RCA jack

Audio characteristics

Frequency response4 Hz to 44 kHz (DVD fs: 96 kHz)
 S/N ratio..... 110 dB
 Dynamic range 100 dB
 Total harmonic distortion0.003 %
 Wow and flutter..... Limit of measurement
 (± 0.001 % W. PEAK) or lower

Digital output

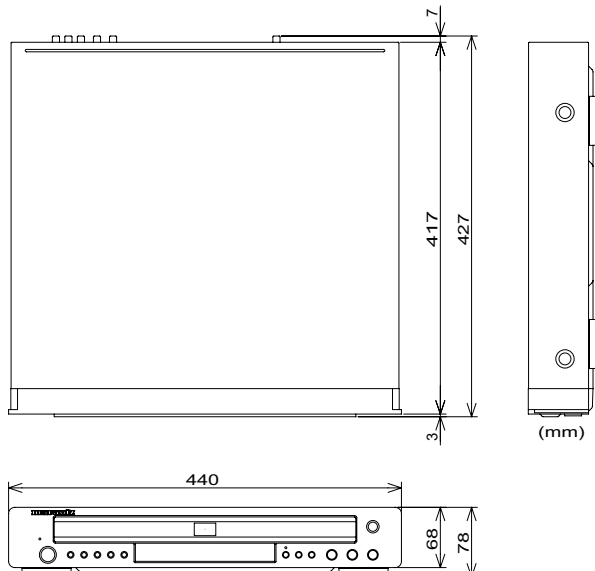
Coaxial digital output RCA jack
 Optical digital output Optical digital jack

Other terminals

Control in/out RCA jack
 Flasher input.....Mini jack (3.5Ø)
 RS232C 1

Accessories

Remote control (RC001DV)..... 1
 AAA/R03 dry cell batteries2
 Audio/Video cable (yellow/red/white)..... 1
 System control cable 1
 Power cable 1
 User Guide 1



Features

An HDCP-compatible HDMI*¹ terminal is provided for fully digital transmission that ensures the very highest picture and digital sound quality.

This unit comes with a High-Definition Multimedia Interface (HDMI) jack; an extended DVI interface for next-generation televisions. This interface allows transfers of uncompressed digital video and digital audio (audio streams such as Dolby Digital and DTS as well as linear PCM) with a single connector. HDMI standard Ver. 1.1 compatibility means the unit can also transfer DVD-Audio multi-channel audio over HDMI.

End-to-end full-digital transfers with all digital processing allow the enjoyment of realistic video without any image degradation caused by AD/DA conversions. And the unit can up-convert 480p video signals to 720p, 1080i, and 1080p video output signals using the scaling function and the HDMI jack.

High quality 12-bit/216 MHz Video D/A converter*²

The unit uses a Video D/A converter that performs D/A conversion of all video signals in 12-bits and can perform 8x over-sampling to let you enjoy beautiful video possible with DVD. Furthermore, NSV technology suppresses noise during DA conversion.



DCDi (Directional Correction Deinterlacing) computes and tracks the angle of the screen edge to fill in the missing pixels on the TV screen. DCDi significantly optimizes the image quality, especially during slow motion playback. This function is available only for progressive scan output.

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.

Superlative audio performance with Super Audio CD, DVD-Audio, Dolby*⁴ Digital and DTS*⁵ software

Logos:     

The VC6001 delivers breathtaking sound quality with Super Audio CD, DVD-Audio, Dolby Digital and DTS discs.

DivX *⁶

You can enjoy DivX[®] files which are recorded on DVD±R/RW or CD-R/RW. Plays DivX5.2, DivX4, DivX3 and DivX VOD Video content.

- This player supports Quarter Pixel.
- This player supports GMC.

MP3 and WMA*⁷ 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.

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

*² "NSV" is a registered trademark of Analog Device Co. Ltd.

*³ "DCDi" is a registered trademark of Fraoudja, a division of Genesis Microchip, Inc.

*⁴ Manufactured under license from Dolby Laboratories. "Dolby" "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

*⁵ "DTS" and "DTS Digital Surround" are registered trademarks of DTS, Inc.


*⁶ "DivX", and "DivX Ultra" Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

*⁷ Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

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-Audio compatibility:

- Logos: 
- Single sided discs
- Single layer or dual layer discs
- Linear or packed PCM digital audio
- Some discs may contain MPEG-2 video, and Dolby Digital, DTS or MPEG digital audio

Discs are generally divided into one or more groups. Groups may be further subdivided into tracks.


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-once only permission can be played.

DVD+R/+RW compatibility:


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

Super Audio CD compatibility:

- Logo: 
- Single layer, dual layer or Hybrid layer
- 12cm (5in.) or 8cm (3in.) discs
- Digital audio (DSD)

Super Audio CDs are divided into tracks.

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 VC6001.


*The VC6001 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

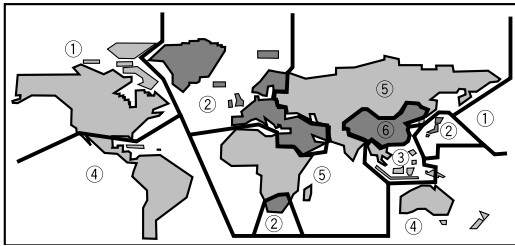
Video CDs are divided into tracks.

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 8 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. But the information display on the display on the Front panel and TV screen is only ID3 ver. 1.0 Tag.
- Maximum 30 characters can be displayed on the display on the Front panel and 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 not display progressive JPEG images.
- This player can not 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 the display on the Front panel and 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” on **page 53**.
- 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.

About source audio output

When the source output mode has been switched among 2CH, Virtual Surround and 5.1 CH mode setting using the Audio Out setting, audio output for each source will be as shown in the following table.

Audio Contents		Audio Out Setting	Mixed 2ch output	5.1CH output	Digital output
DVD	Dolby Digital (2CH)	2 CH	2ch L/R	2ch L/R	PCM (Digital out is PCM) Bitstream (Digital out is All)
		Virtual Surround	2ch L/R	2ch+Vsurround	
		5.1 CH	2ch L/R	Dolby Pro Logic II	
	Dolby Digital (Multi CH)	2 CH	Mixed 2ch (L0/R0)	Mixed 2ch (L0/R0)	PCM Mixed 2CH (Digital out is set to PCM) Bitstream (Digital out is set to All)
		Virtual Surround	Mixed 2ch (Lt/Rt)	Mixed 2ch+Vsurround	
		5.1 CH	Mixed 2ch (Lt/Rt)	Multi CH	
	LPCM (2CH)	2 CH	2ch L/R	2ch L/R	PCM 2ch 44.1/48KHz (88.2/96KHz if LPCM OUT is set to 96KHz.)
		Virtual Surround	2ch L/R	2ch+Vsurround	
		5.1 CH	2ch L/R	Dolby Pro Logic II	
	DTS, DVD-Video/Audio (2CH), CD	2 CH	2ch L/R	2ch L/R	PCM (Digital out is PCM) Bitstream (Digital out is All)
		Virtual Surround	2ch L/R	2ch+Vsurround	
		5.1 CH	2ch L/R	2ch L/R	
	DTS, DVD-Audio (Multi)	2 CH	Mixed 2ch (L0/R0)	Mixed 2ch (L0/R0)	PCM Mixed 2CH (Digital out is set to PCM) Bitstream (Digital out is set to All)
		Virtual Surround	Mixed 2ch (Lt/Rt)	Mixed 2ch+Vsurround	
		5.1 CH	Mixed 2ch (Lt/Rt)	Multi CH	
	MPEG (MULTI)	2 CH	Mixed 2ch (L0/R0)	Mixed 2ch (L0/R0)	PCM (Digital out is PCM) Bitstream (Digital out is All)
		Virtual Surround	Mixed 2ch (Lt/Rt)	Mixed 2ch+Vsurround	
		5.1 CH	Mixed 2ch (Lt/Rt)	Multi CH	
	DVD-Audio (2CH)	2 CH	2ch L/R	2ch L/R	PCM 2CH
		Virtual Surround	2ch L/R	2ch L/R	
		5.1 CH	2ch L/R	2ch L/R	
DVD-Audio (Multi)	2 CH	2ch (Lf/Rf)	2ch (Lf/Rf)	PCM 2CH (Lf/Rf)	
	Virtual Surround	2ch (Lf/Rf)	2ch (Lf/Rf)+Vsurround		
	5.1 CH	2ch (Lf/Rf)	Multi CH		
CD	2 CH	2ch L/R	2ch L/R	PCM 2ch 44.1 KHz	
	Virtual Surround	2ch L/R	2ch+Vsurround		
	5.1 CH	2ch L/R	Dolby Pro Logic II		
Super Audio CD	2ch	2 CH	2ch L/R	2ch L/R	OFF
		Virtual Surround	---	---	OFF
		5.1 CH	---	---	OFF
	Multi	2 CH	---	---	OFF
		Virtual Surround	---	---	OFF
5.1 CH	Mixed 2ch (Lt/Rt)	Multi CH	OFF		
Video CD SVideo CD 2ch	2 CH	2ch L/R	2ch L/R	PCM 2ch 44.1 KHz	
	Virtual Surround	2ch+Vsurround	2ch+Vsurround	PCM 2ch 44.1 KHz + Vsurround	
	5.1 CH	Mixed 2ch	Dolby Pro Logic II	PCM 2ch 44.1 KHz	
MP3/DivX,WMA	2 CH	2ch L/R	2ch L/R	PCM 2CH	
	Virtual Surround	2ch L/R	2ch+Vsurround		
	5.1 CH	2ch L/R	Dolby Pro Logic II		

Note

- No Dolby Pro Logic II is allowed on DTS, DVD-Audio and Super Audio CD audio track.
- LFE (Subwoofer) will always carry the LFE channel.

HDMI Audio Output

Auto formats		HDMI Setting (Audio)			
		Auto* ¹	Multi PCM* ²	2 ch PCM	Off
DVD	Dolby Digital	Dolby Digital	Multi channel PCM	2 Channel DOWNMIX	Not Output
	Linear PCM	Multi channel PCM	Multi channel PCM	2 Channel DOWNMIX	Not Output
	DTS	DTS	Multi channel PCM	2 Channel DOWNMIX	Not Output
DVD-Audio		Multi channel PCM	Multi channel PCM	2 Channel DOWNMIX* ³	Not Output
CD/MP3/Super Audio CD* ⁴		Left/Right			Not Output
DTS CD		DTS	Multi channel PCM	2 Channel DOWNMIX	Not Output
Video CD		Left/Right			Not Output

*¹: The order of priority in **Auto** mode is: **Bit Stream, Multi PCM, 2ch PCM**.
The output format is limited by the capabilities of the connected component.

*²: The order of priority in **Multi PCM** mode is: **Multi PCM, 2ch PCM**.
The output format is limited by the capabilities of the connected component.

*³: Audio is not output from discs that prohibit downmixing.

*⁴: Audio is not output from Super Audio CDs. Audio is only output when a CD layer is played.

HDMI VIDEO

- Default setting: **AUTO**

Selects a suitable video resolution depending on the capability of the connected TV/device to enhance the HDMI video output.

- **480P** – Progressive output in 480 lines for NTSC TV
- **576P** – Progressive output in 576 lines for PAL TV
- **720P** – Progressive output upscaled to 720 lines
- **1080i** – Interlaced output upscaled to 1080 lines
- **1080P** – Progressive output upscaled to 1080 lines
- **AUTO** – The video output will automatically follow the display's supported resolution



Note

- If no display appears on the TV due to an unsupported resolution, use the composite video cable to connect the DVD system and your TV. Turn on your TV to the correct input channel for the composite video and adjust the resolution setting to **480P/576P**.
- The resolution can also be set with the **HDMI** button on the front panel.
- In general, the larger the number, the higher the resolution.
- When the resolution is changed, the image may be corrupted or the output may take longer than normal.
- Pressing the HDMI button for three seconds or more toggle the HDMI on/off state (see pages 13, 14).
- 720P/1080i/1080P only supports 60 Hz Video signal.

Setup Examples

Resolution (HDMI Setting)	Playback Disc				
	Disc Recorded in Squeeze Ratio		Disc Recorded in 4:3 Ratio		
	TV ASPECT	Monitor Setting	TV ASPECT	PSCAN FORMAT	Monitor Setting
480P 576P	16:9 WIDE	Full/Squeeze	16:9 WIDE	---	Standard Normal 4:3 Through
720P 1080i 1080P		Normal/Through		SUPERWIDE 16:9 SQUEEZE OFF ^{*1}	
AUTO	The resolution is automatically selected to match the monitor you are using. Set TV SYSTEM, PSCAN FORMAT and your monitor setting to match the selected resolution.				

Some monitors may use setting names that are different than those shown here.

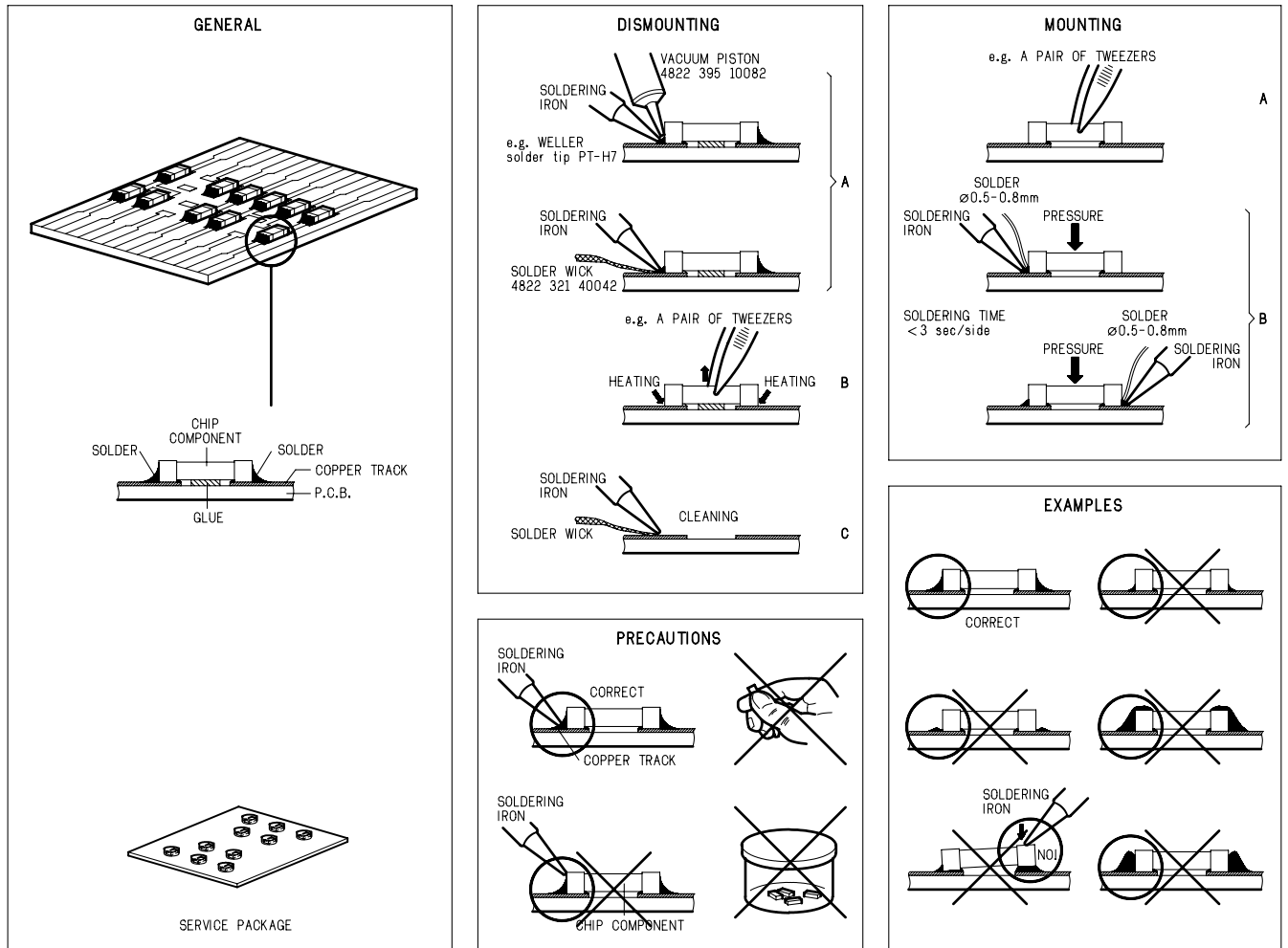
^{*1} If the aspect ratio you desire is not available, select the most suitable setting from **SUPERWIDE, 16:9 SQUEEZE** and **OFF** in "PSCAN FORMAT".

Video Out format when HDMI is activated

HDMI Video Output	YCbCr Output		Video/S-Video output
	Progressive ON	Progressive OFF	
480P	480P (NTSC progressive)	Follow the Disc Source with Interlace. (ex: NTSC disc play: NTSC interlace)	
576P	576P (PAL progressive)		
720P	No Video		
1080i			
1080P			

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

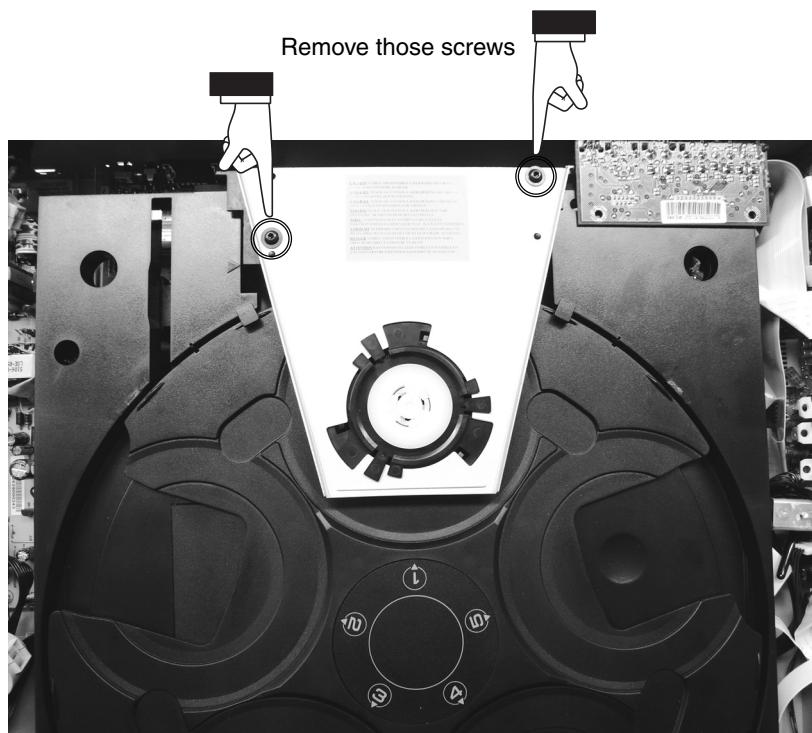
**The use of optical instruments with this product will increase eye hazard.
Repair handling should take place as much as possible with a disc loaded inside the player**

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 clamber.
4. Now you can remove the disc.



5. UPDATE BACK END FIRMWARE PROCEDURE

Necessary Equipment

- Disc (90M-VC6001CDR).

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. (Either of 1 to 5 Disc tray can be used)
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 "**8. SERVICE MODE**" section.

6. THE UPDATE DISC CREATION PROCEDURE

Necessary Equipment

- Update data (VC6001.BIN).
- CD-R or CD-RW.
- CD-R writing software.

Setting of writing software

- File name : VC6001.BIN
- CD LABEL NAME : any one
- CD MODE : MODE 1 (CLOSE SESSION)
- FILE FORMAT : ISO9660
- WRITE MODE : DISC AT ONCE

5. UPDATE BACK END FIRMWARE PROCEDURE

必要機器

- アップデート用ディスク(90M-VC6001CDR)

注意 : アップデート用ディスクを作成するには、"**6. THE UPDATE DISC CREATION PROCEDURE**"を参照してください。

書き込み手順

書き込みにかかる時間はおよそ1分30秒です。

1. 本機とテレビ(またはモニター)をビデオケーブルで接続します。
2. 本機に電源コードを接続します。
3. 本機とテレビの電源を入れます。
4. **OPEN/CLOSE**ボタンを押してトレイをあけます。
5. アップデート用ディスクを挿入します。(トレイは1から5のどれでも使用可能です。)
6. **OPEN/CLOSE**ボタンを押してトレイを閉じます。
7. フロントディスプレイに"LOAD"が表示されます。(テレビには"LOADING"が表示されます。)
8. テレビに"UPGRADE FILE DETECTED"と"FILE COPING"が表示され、その後"FILE COPING"から"UPGRADING"に表示が変わります。
9. トレイが自動的に開くので、アップデート用ディスクをトレイから取ります。
10. ファームウェアの書き込みが開始されます。
11. フロントディスプレイに"ERASE"と表示され、後に"WRITE"と表示されます。
12. その後、フロントディスプレイに瞬間的に"UPG END"と表示され、書き込みが完了します。
13. 本機が自動的にリセットされます。
14. トレイが自動的に閉じます。
15. **POWER ON/STANDBY**ボタンを押し本機の電源を切ります。
16. 本機から電源コードとビデオケーブルを外します。

ファームウェアのバージョンチェック

"**8. SERVICE MODE**"の"**Firmware (Back-end) version 確認**"からファームウェアのバージョンを確認します。

6. THE UPDATE DISC CREATION PROCEDURE

必要機器

アップデート用データ(VC6001.BIN)
CD-RまたはCD-RWディスク
CD-R書き込みアプリケーション

書き込み設定

- ファイル名 : VC6001.BIN
- CDラベル名 : 指定なし(ブランクも可)
- CDモード : MODE 1(セッションクローズ)
- ファイルフォーマット : ISO9660
- 書き込みモード : DISC AT ONCE(ディスクアットワンス)

7. UPDATE RS-232C MICROPROCESSOR FIRMWARE PROCEDURE

When RS-232C microprocessor firmware was updated, update the firmware in the following procedure.

- [A] Installs of the software.
- [B] Update firmware setup procedure.
- [C] Writing Procedure.

Necessary Equipment

- Windows PC (OS: Windows2000 or WindowsXP) with Serial port.
- RS-232C Dsub-9 pin cable (female to female/straight type).
- Update tool.
(Flash Programmer: sw00fn5-zccuv110_en.exe)
- Update data (Vxxx_rs232c_boad.h16).

NOTE : Vxxx is a revision number.

[A] Installs of the software

1. Double click the **sw00fn5-zccuv110_en.exe**, and install the Flash Programmer.

7. UPDATE RS-232C MICROPROCESSOR FIRMWARE PROCEDURE

RS-232Cマイコンのファームウェアが更新された場合、下記の手順に従ってアップデートしてください。

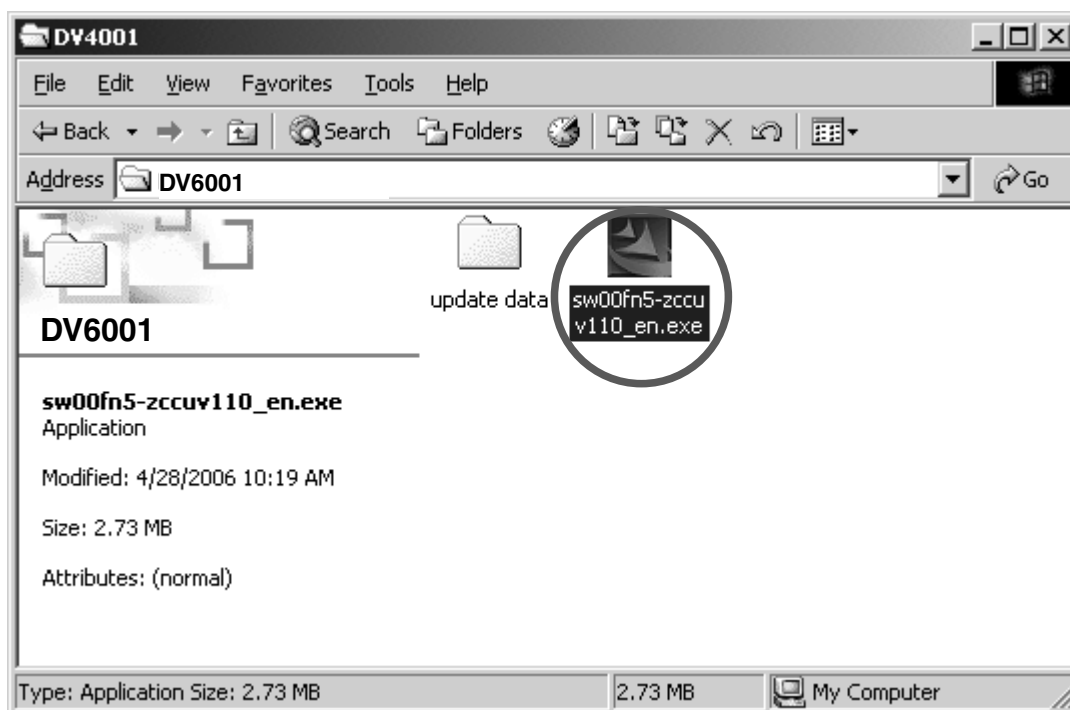
- [A] Installs of the software.
- [B] Update firmware setup procedure.
- [C] Writing Procedure.

必要機器

- Windows PC (OS : Windows2000またはWindowsXP)で Serial ポートのあるもの
- RS-232C ストレートケーブル (9Pin メス-9Pin メス)
- アップデート用書き込みソフトウェア
(Flash Programmer : sw00fn5-zccuv110_en.exe)
- アップデート用データ (Vxxx_rs232c_boad.h16)
注意 : Vxxxは改版番号

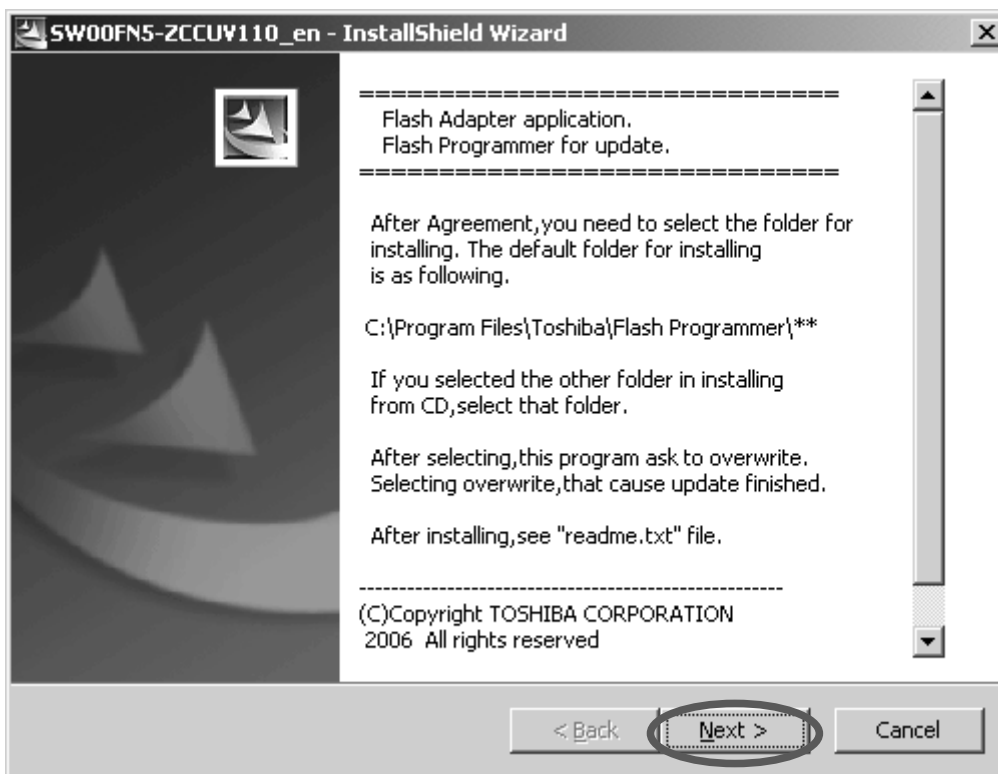
[A] Installs of the software.

1. **sw00fn5-zccuv110_en.exe**をダブルクリックして、Flash Programmerをインストールします。



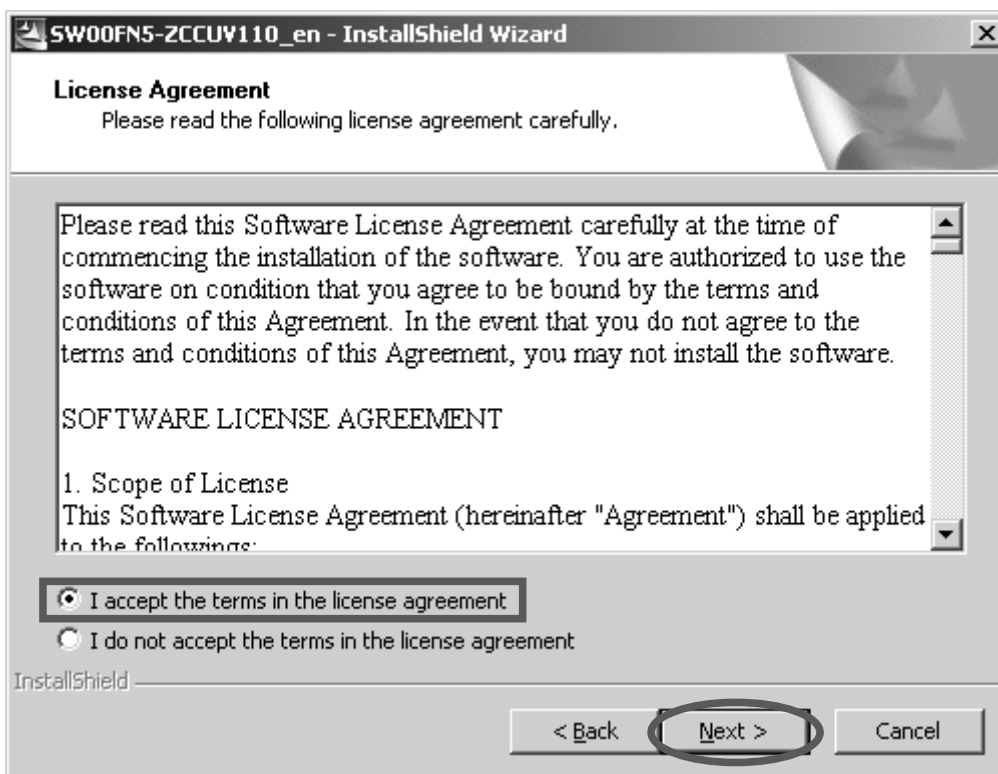
2. Click the **Next**.

2. **Next**をクリックします。



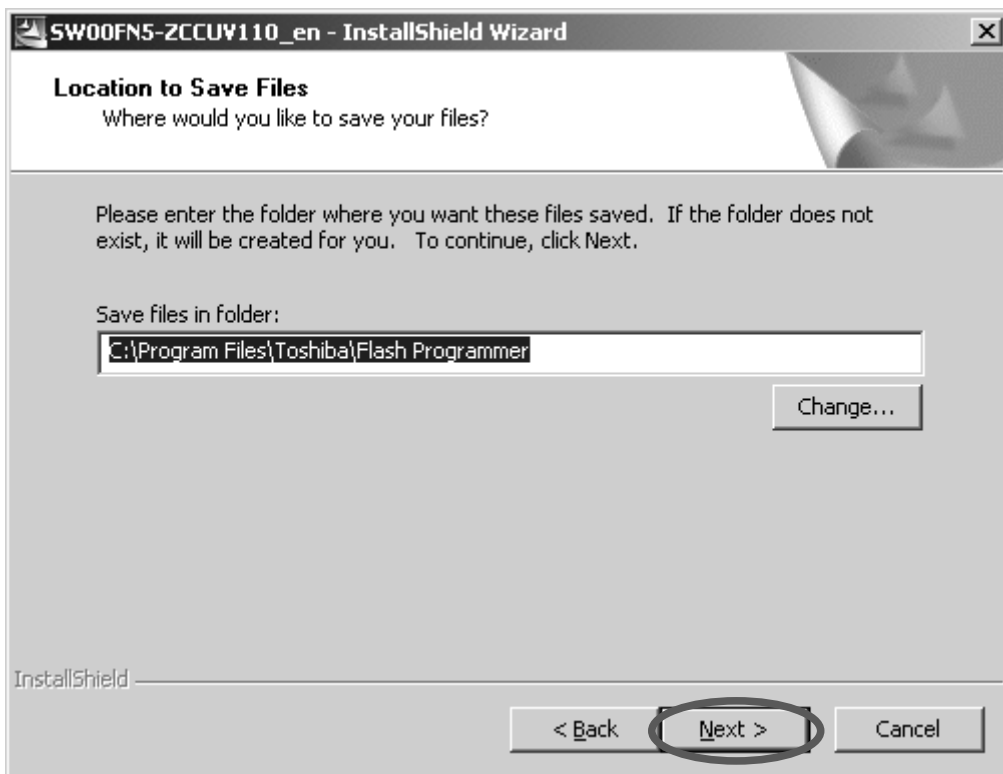
3. Check the **I accept the terms in the license agreement**, and click the **Next**.

3. **I accept the terms in the license agreement**にチェックを入れ、**Next**をクリックします。



4. Click the **Next**.

4. **Next**をクリックします。



5. Click the **Finish**.

5. **Finish**をクリックします。



NOTE : This installation does not create short cut icon on a desktop and a startup.

注意 : このインストールでデスクトップやスタートメニューにショートカットは作成されません。

[B] Update firmware setup procedure

1. The right button of mouse click on the My Computer, and select the **Explore** in a menu.

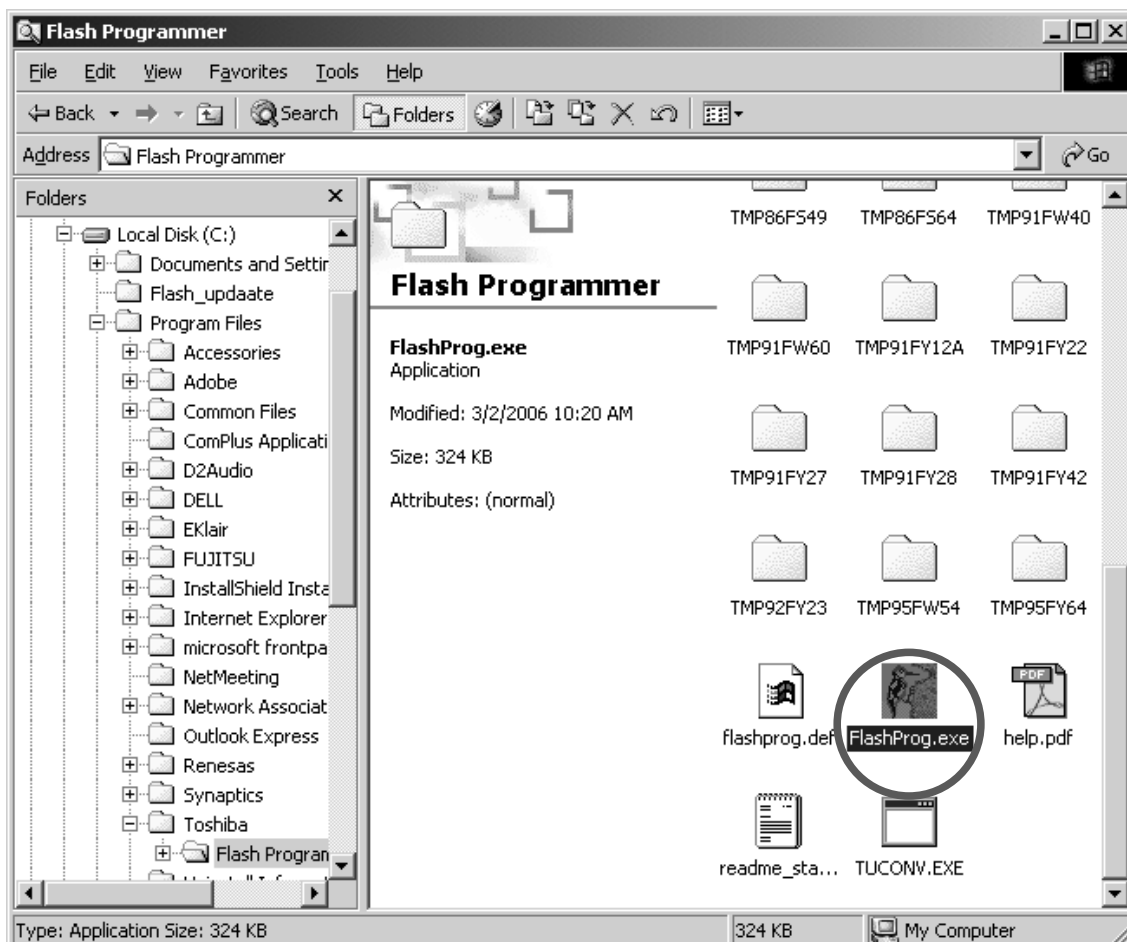


[B] Update firmware setup procedure

1. デスクトップのマイコンピュータ上でマウスの右ボタンをクリックし、メニューから**エクスプローラ**をクリックします。

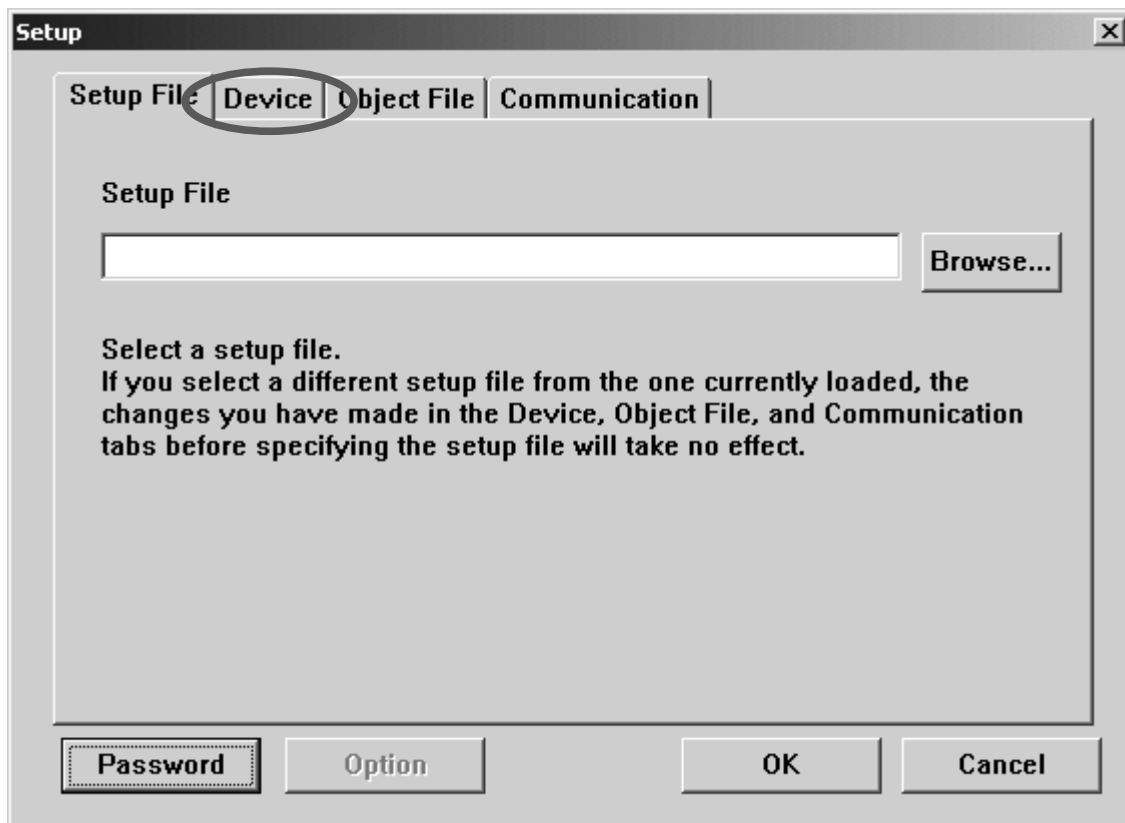
2. Double click the **Flashprog.exe** in C:\Program Files\Toshiba\Flash Programmer folder.

2. C:\Program Files\Toshiba\Flash Programmerフォルダ内の**Flashprog.exe**をダブルクリックします。



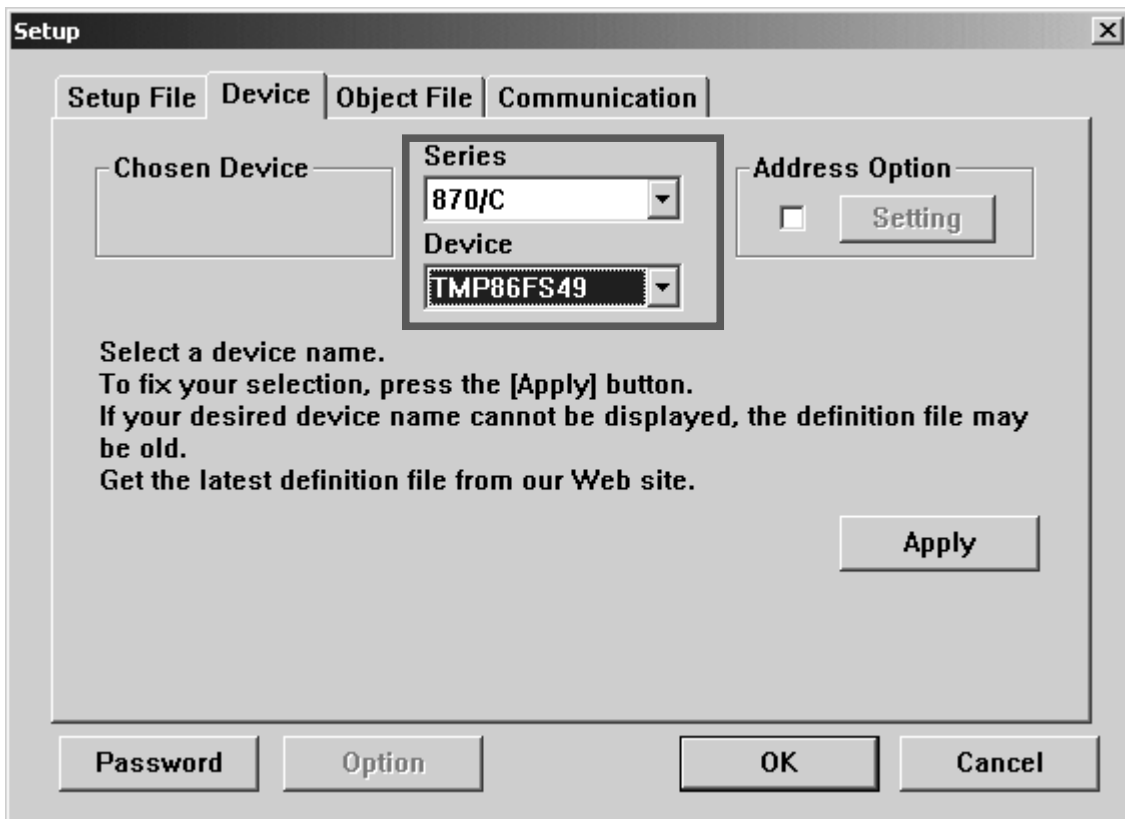
3. Setup window appears.
Click the **Device** tag.

3. Setup画面が表示されます。
Deviceタグをクリックします。

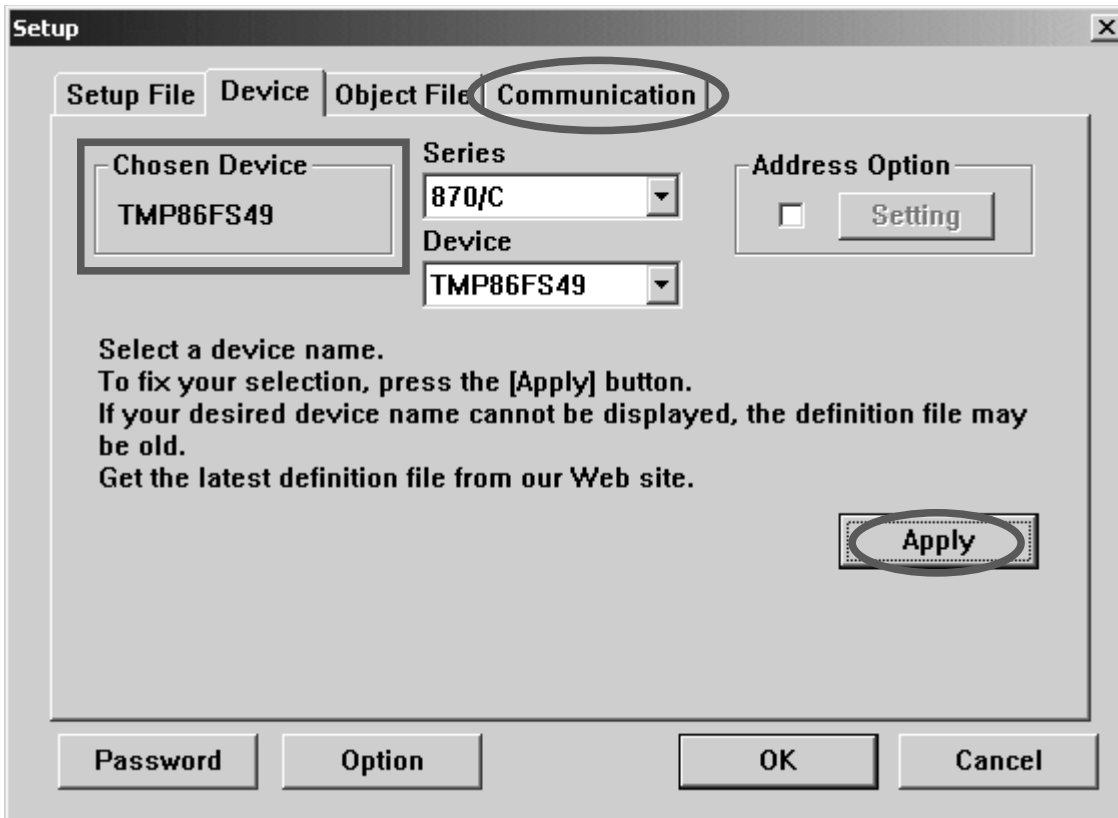


4. Choose the **870/C** in Series.
Choose the **TMP86FS49** in Device.

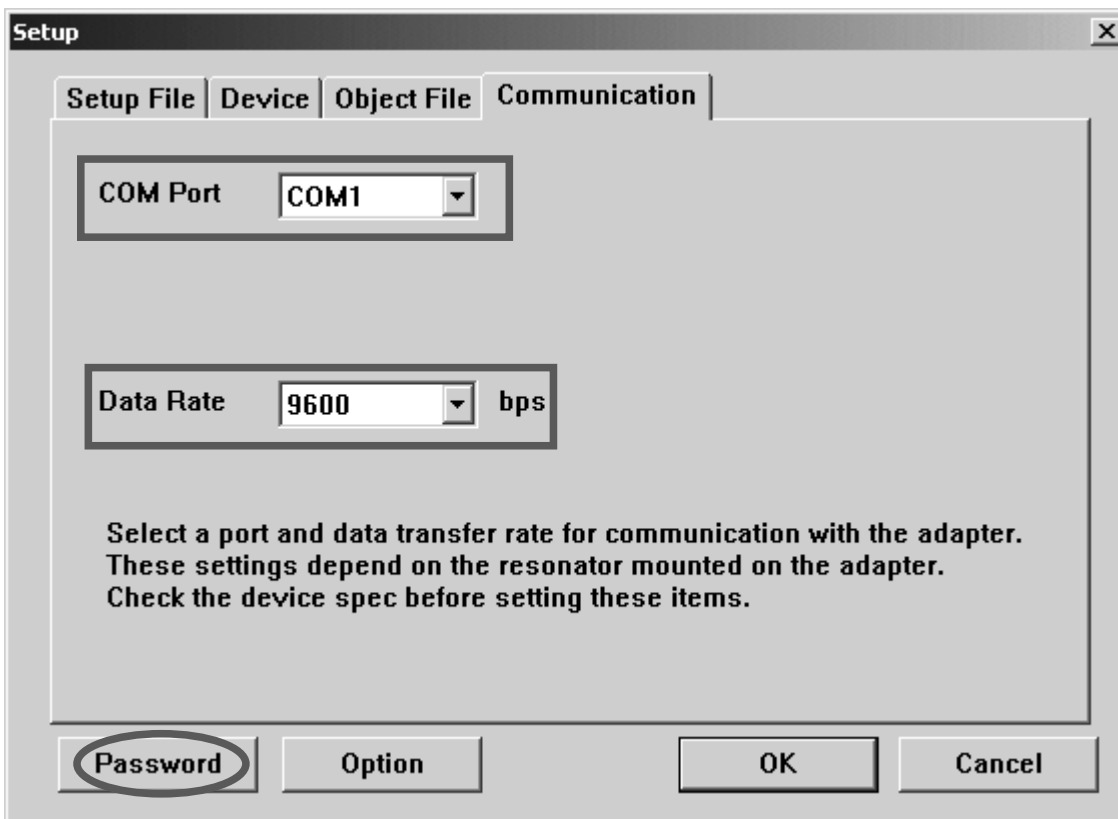
4. Seriesから **870/C**を選択します。
Deviceから**TMP86FS49**を選択します。



5. Click the **Apply**, then TMP86FS49 appears in the Chosen Device.
And click the **Communication** tag.
5. **Apply**をクリックします。Chosen DeviceにTMP86FS49が表示されます。
Communicationタグをクリックします。



6. Choose the **Serial Port** number in the COM Port.
Choose the **9600** bps in the Data Rate.
And Click the **Password**.
6. COM Portから使用する**Serial Port**番号を選択します。
Data Rateから**9600**を選択します。
Passwordをクリックします。



8. Setup Password appears.

8. Setup Passwordが表示されます。



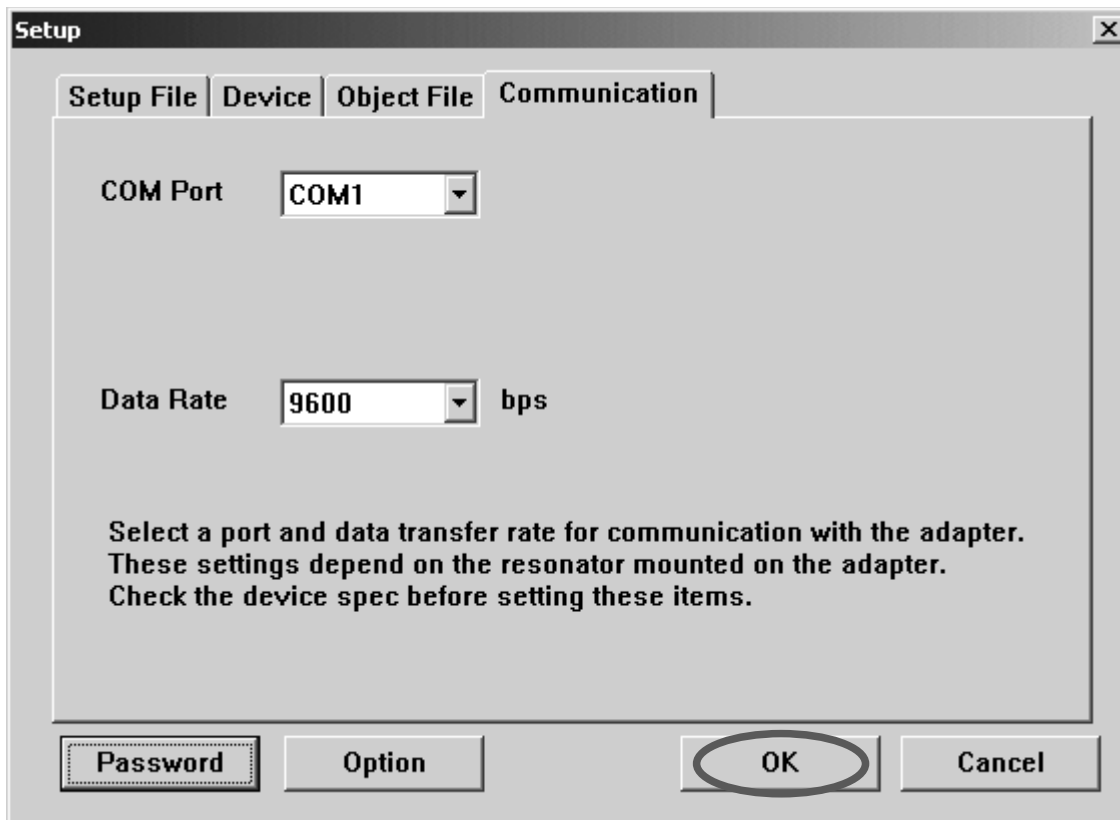
- 9. Click the **Devise is BLANK**.
Check the **Hex** in Input Type.
Type the **5468652044264d2047726f7570** into Password.
Type the **0xff00** into Password count storage address.
Type the **0xff01** into Password comparison start address.
Click the **OK**.

- 9. **Devise is BLANK**をチェックします。
Input Typeから**Hex**をチェックします。
Passwordに**5468652044264d2047726f7570**を入力します。
Password count storage addressに**0xff00**を入力します。
Password comparison start addressに**0xff01**を入力します。
OKをクリックします。



10. Click the **OK**.

10. **OK**をクリックします。



[C] Writing Procedure

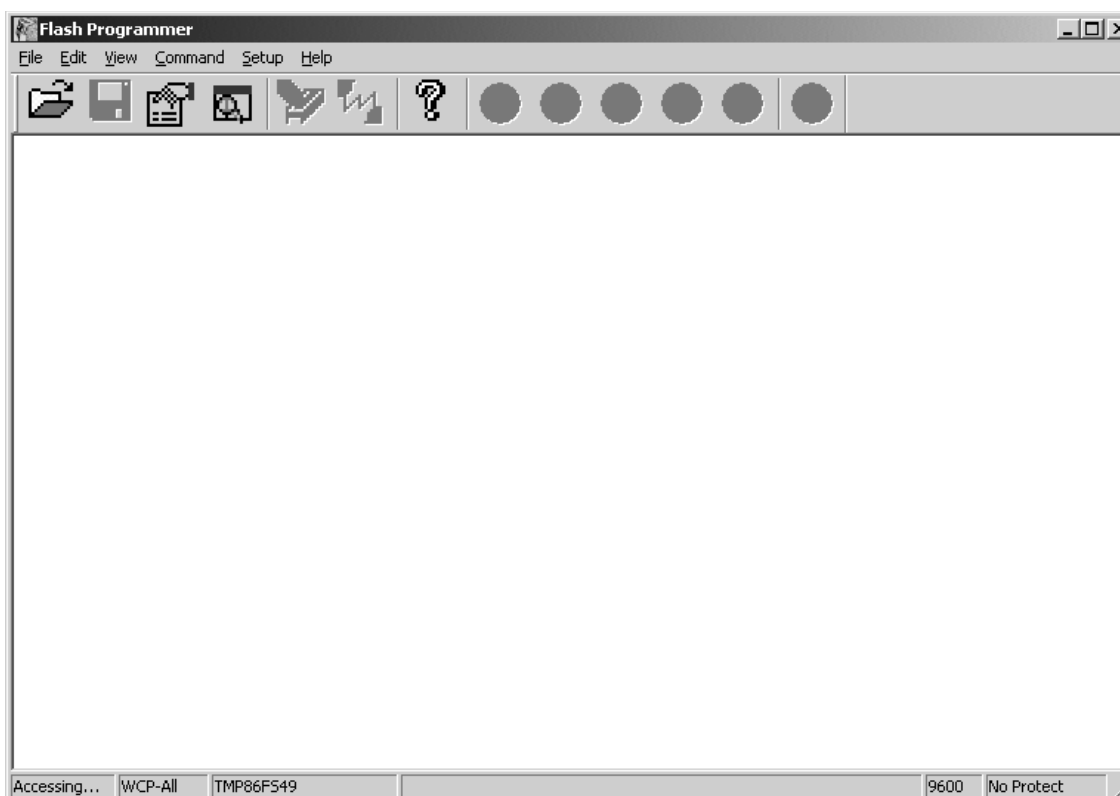
Flash Programmer starts.

1. When Flash Programmer did not start, double click the Flashprog.exe in C:\Program Files\Toshiba\Flash Programmer folder.

[C] Writing Procedure

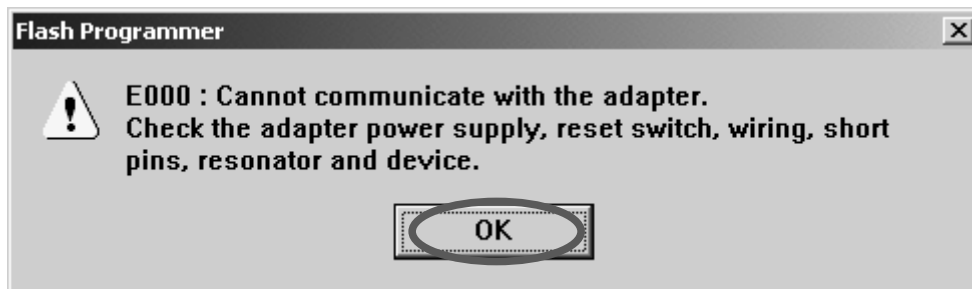
Flash Programmerが表示されます。

1. Flash Programmerが表示されない場合は、C:\Program Files\Toshiba\Flash Programmerフォルダ内のFlashprog.exeをダブルクリックしてください。



2. Click the **OK**.

NOTE: Since Flash Programmer communicates with the unit automatically, the following dialog box appears when it fails in communication.

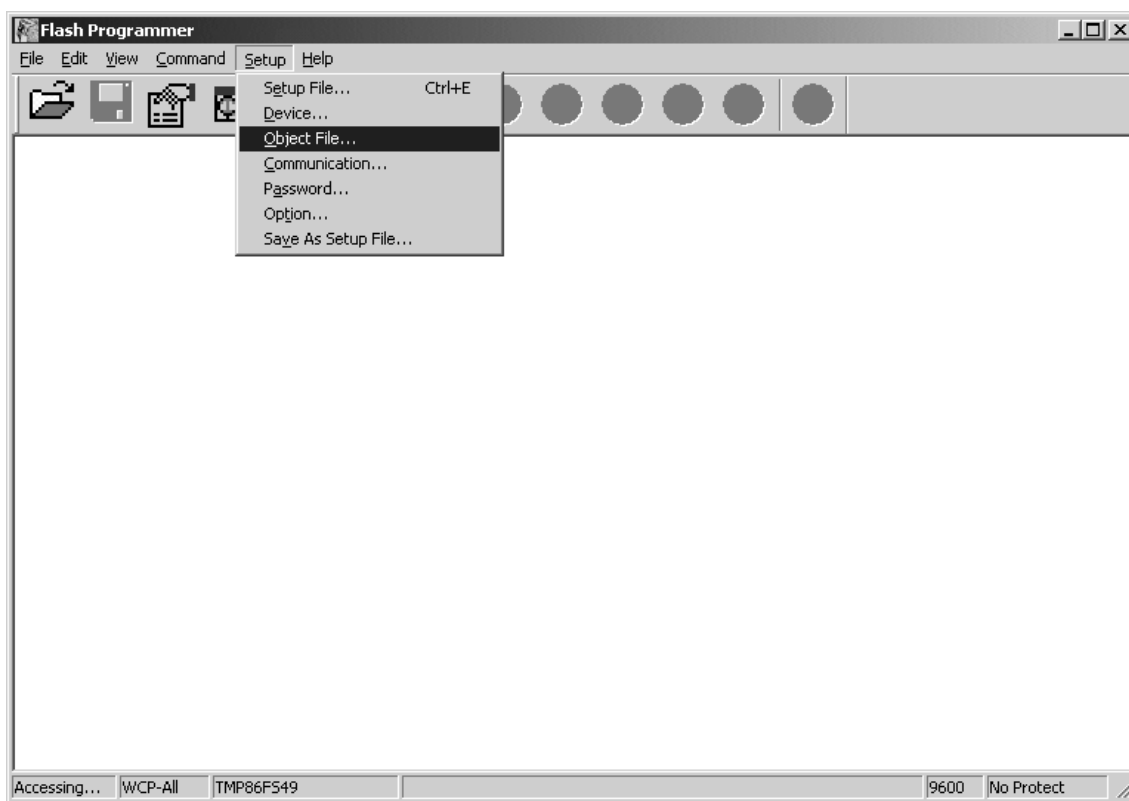


2. **OK**をクリックします。

注意：Flash Programmerは自動的に本機と通信を行います、通信接続が出来ないと下記のダイアログボックスが表示されます。

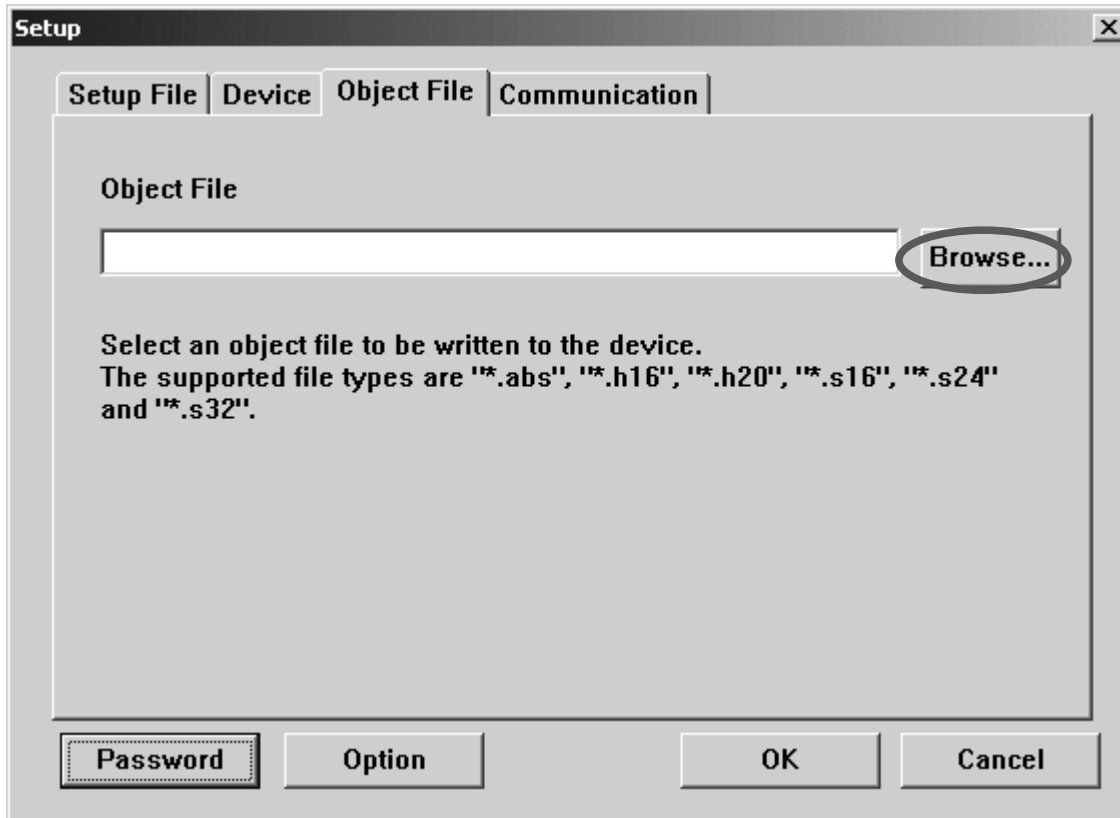
3. Click the **Setup** in the menu bar and select the **Object File...**

3. メニューバーの**Setup**をクリックし、**Object File...**を選択します。



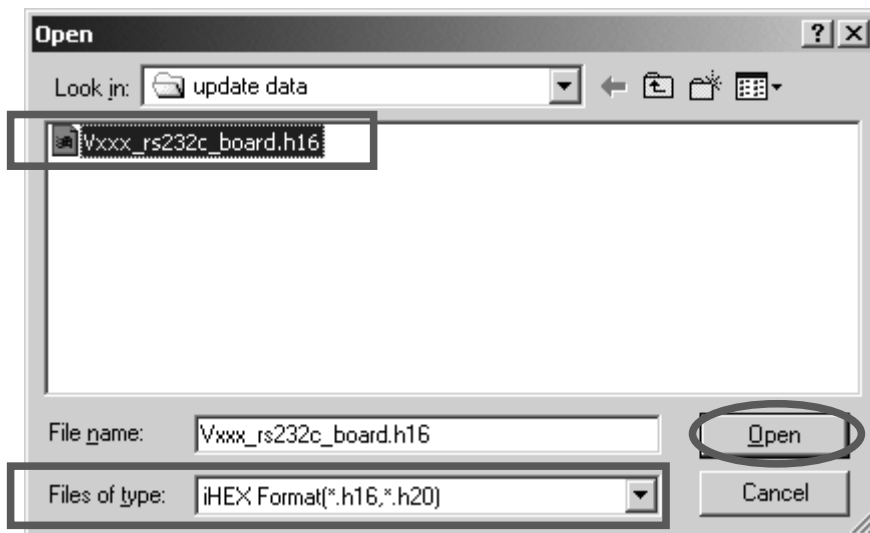
4. Click the **Browse...**

4. **Browse...**をクリックします。



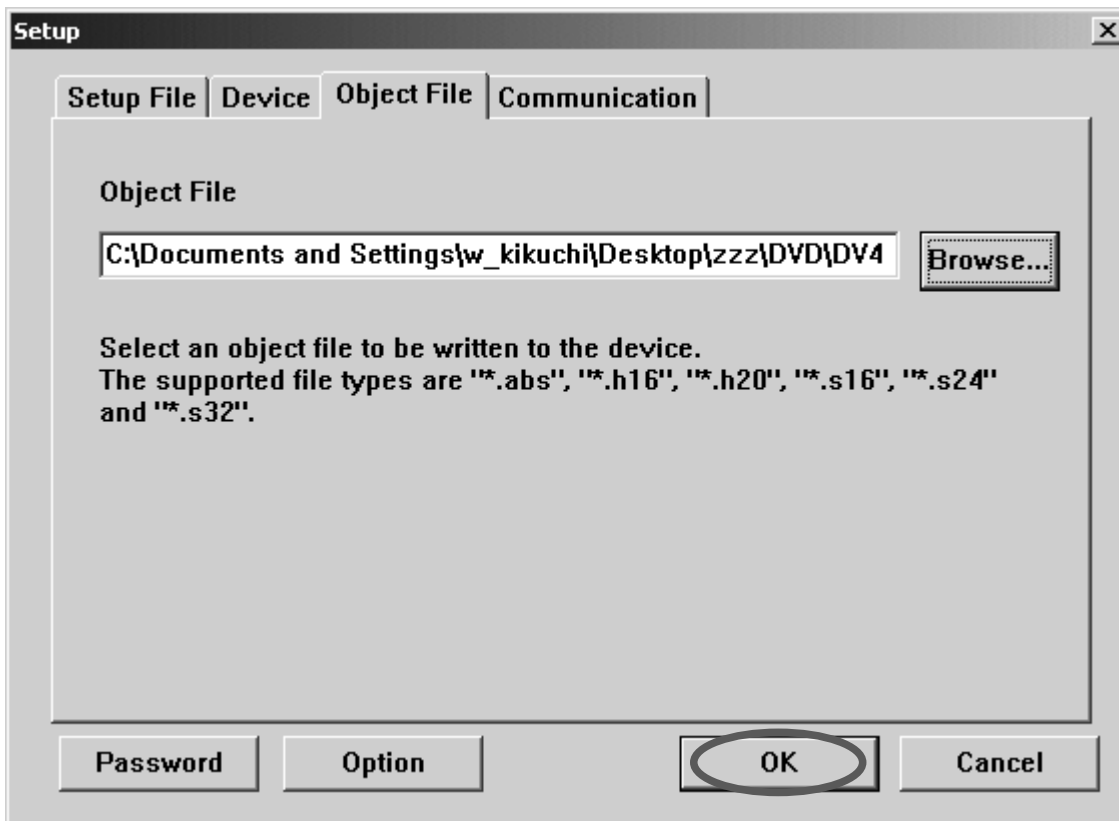
5. Choose the **iHEX Format[* .h16,* .h20]** in Files of type.
Choose the **Vxxx_rs232c_boad.h16**, and click the **Open**.
NOTE : The Vxxx is a revision number.

5. Files of typeから**iHEX Format[* .h16,* .h20]**を選択します。
Vxxx_rs232c_boad.h16を選択し、**Open**をクリックします。
注意：Vxxxは改版番号です。



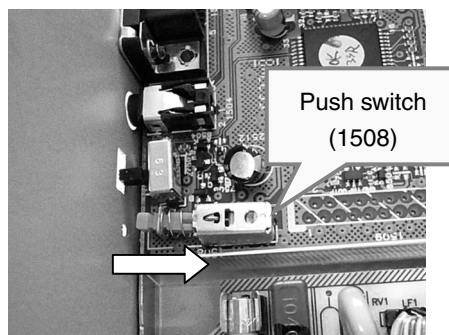
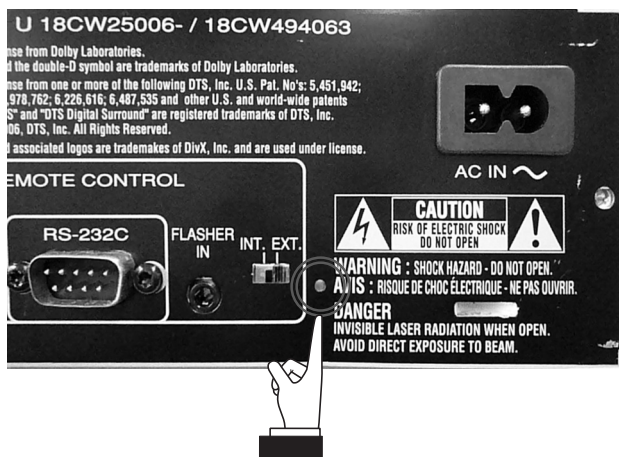
6. Click the **OK**.

6. **OK**をクリックします。



7. Disconnect the mains cord from the unit.
 Connect RS-232C on the rear panel of the unit and Serial Port of windows PC with RS-232C cable.
 Insert a thin rod to the hole near the EXT. INT. slide switch (REMOTE CONTROL) and push the switch (1508) inside to turn on the switch.

7. 本機から電源コードを外します。
 本機のリアパネルにあるRS-232CとWindows PCのSerialポートをRS-232Cケーブルで接続します。
 本機のリアパネルにあるEXT. INT.切替スイッチ（REMOTE CONTROL）傍にある穴に細い棒を差し入れ、プッシュスイッチ（1508）を押します。

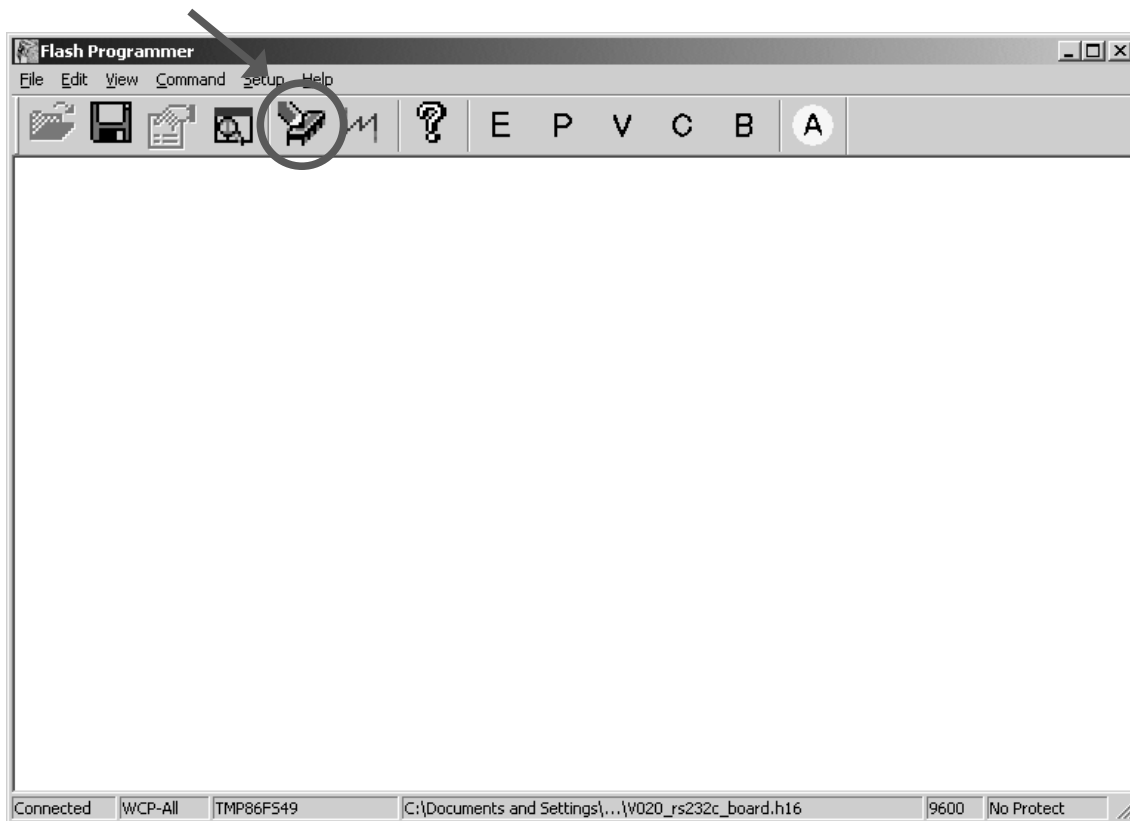


Connect the mains cord into the unit.
NOTE : When the unit is into boot mode, STANDBY LED is not lights up.

電源コードを本機に接続します。
注意 : 本機はブートモードになり、このときSTANDBY LEDは点灯しません。

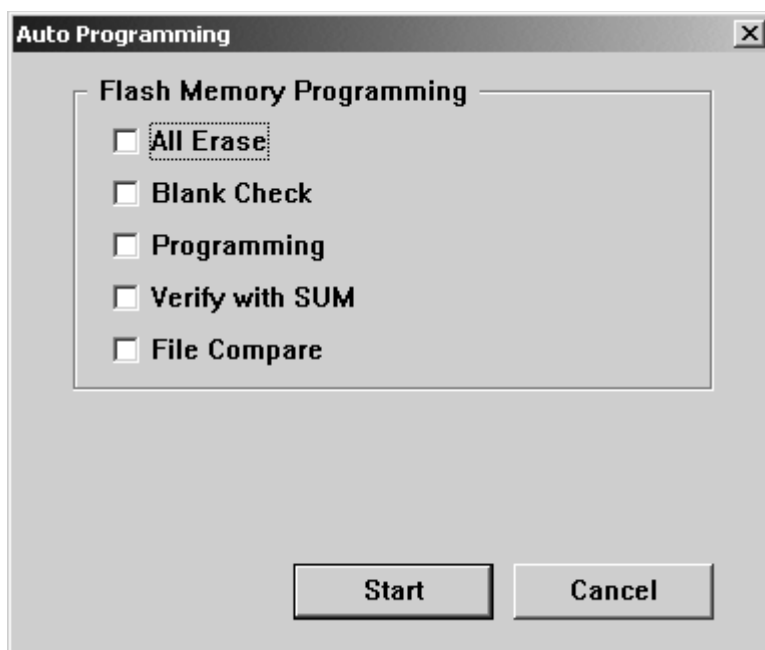
8. Click the **Auto Programming**.

8. **Auto Programming**をクリックします。



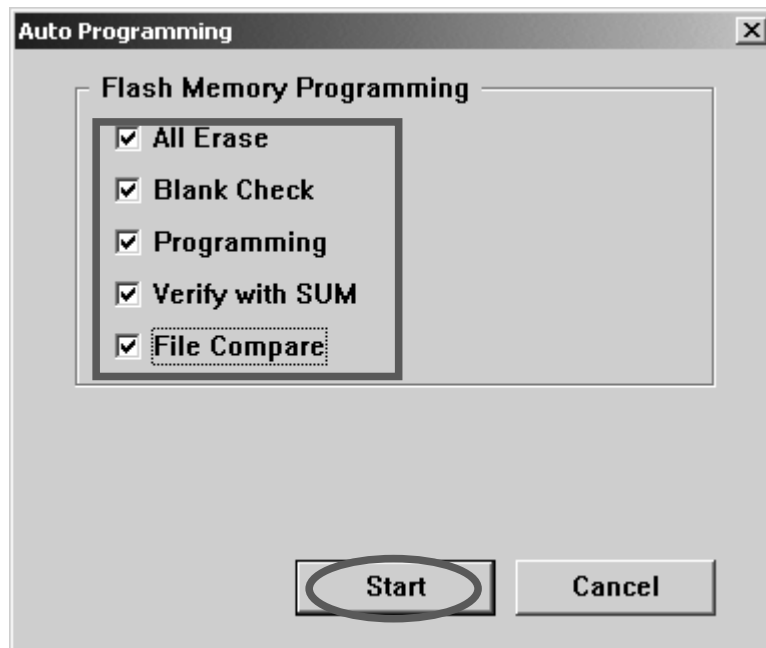
Auto Programming appears.

Auto Programmingが表示されます。



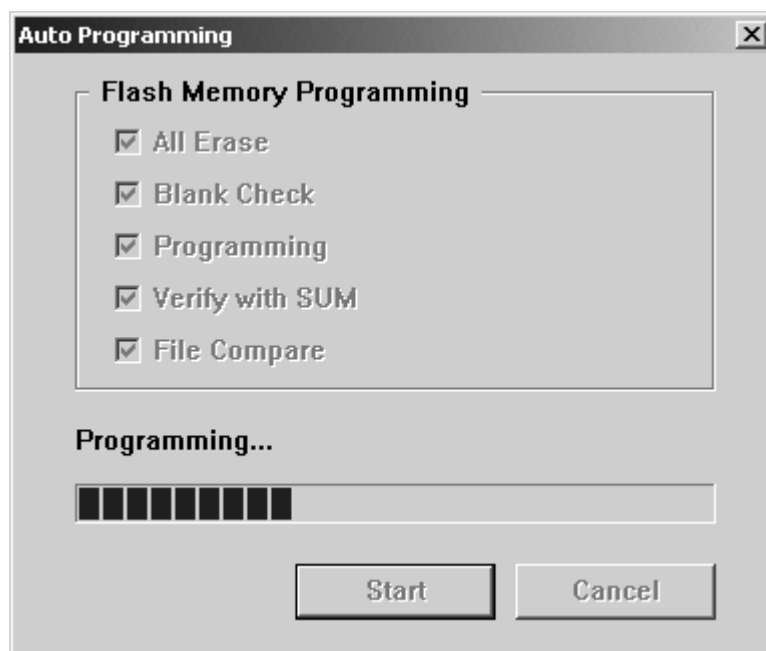
9. Check the **all check boxes** in Flash Memory Programming.
And click the **Start**.

9. Flash Memory Programming内の全てのチェックボックスにチェックを入れます。
Startをクリックします。



Firmware is written into the microprocessor.
The writing of firmware takes about 1 minute.

ファームウェアがRS-232Cマイコンに書き込まれます。
書き込みにかかる時間は約1分です。



10. Click the **No**.

10. **No**をクリックします。



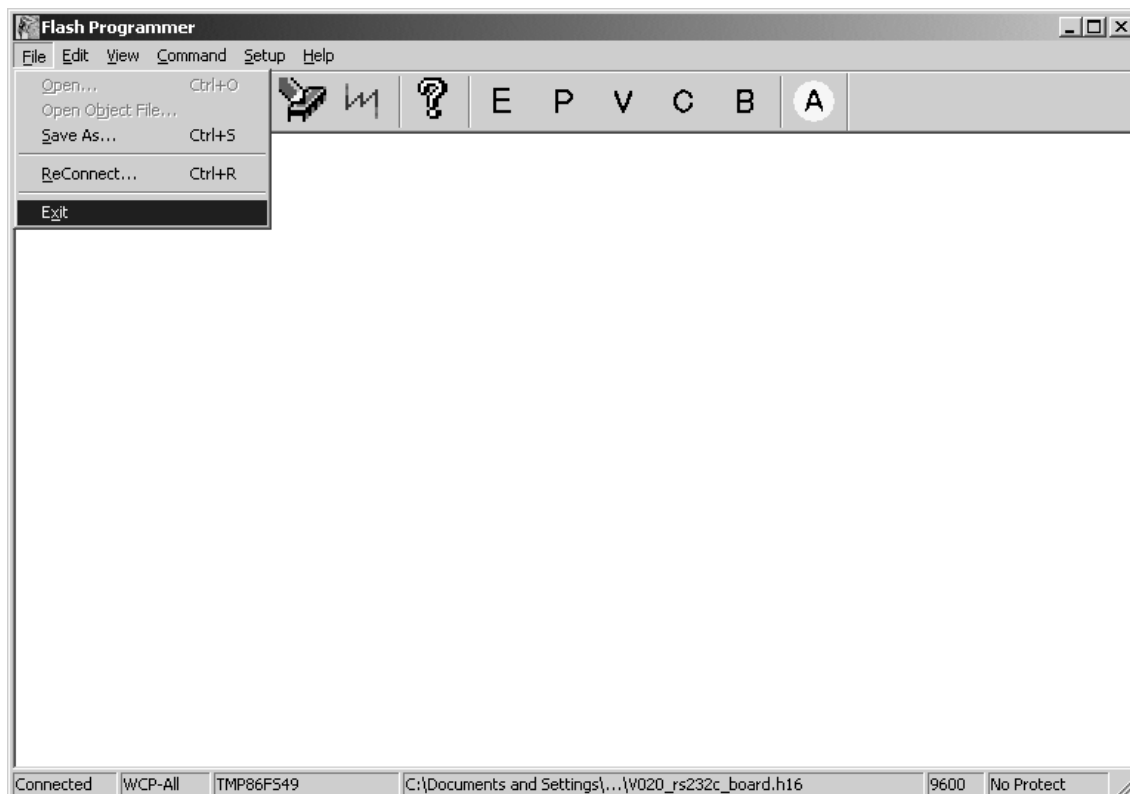
11. Click the **Cancel**.

11. **Cancel**をクリックします。



12. Click the **File** in the menu bar and select the **Exit**.

12. メニューバーの**File**をクリックし、**Exit**を選択します。



13. Disconnect the mains cord and RS232C cable from the unit.
Insert a thin rod to the hole near the EXT. INT. slide switch (REMOTE CONTROL) and push the switch (1508) inside to turn off the switch.

13. 本機から電源コードとRS-232Cケーブルをはずします。
本機のリアパネルにあるEXT. INT.切替えスイッチ（REMOTE CONTROL）傍にある穴に細い棒を差し入れ、プッシュスイッチ（1508）を押します。

8. SERVICE MODE

Firmware (Back-end) version check

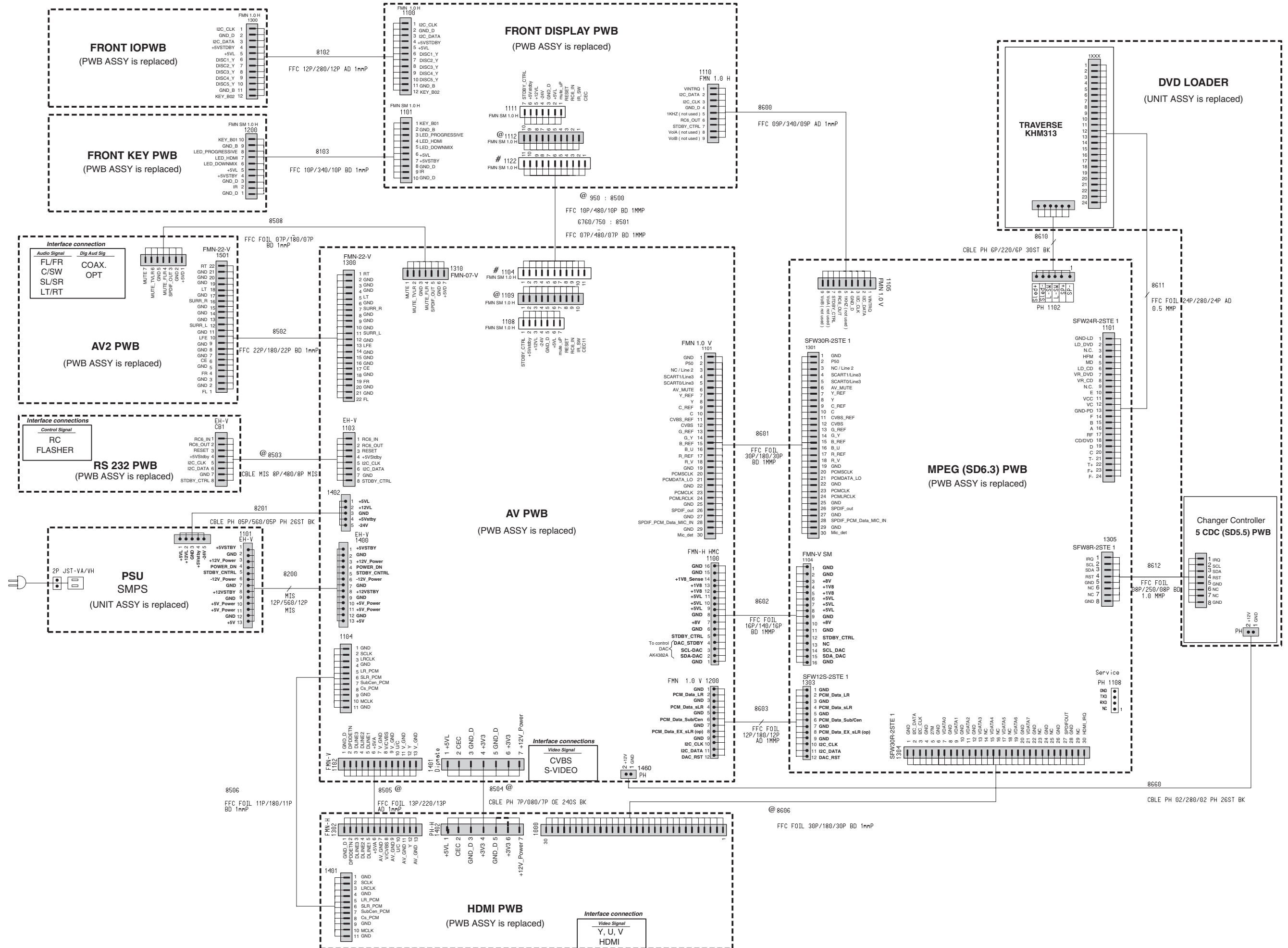
Connect the DVD player to TV and operate by using Remote controller RC001DV.

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. : VC6001 V19 C601-37 1)

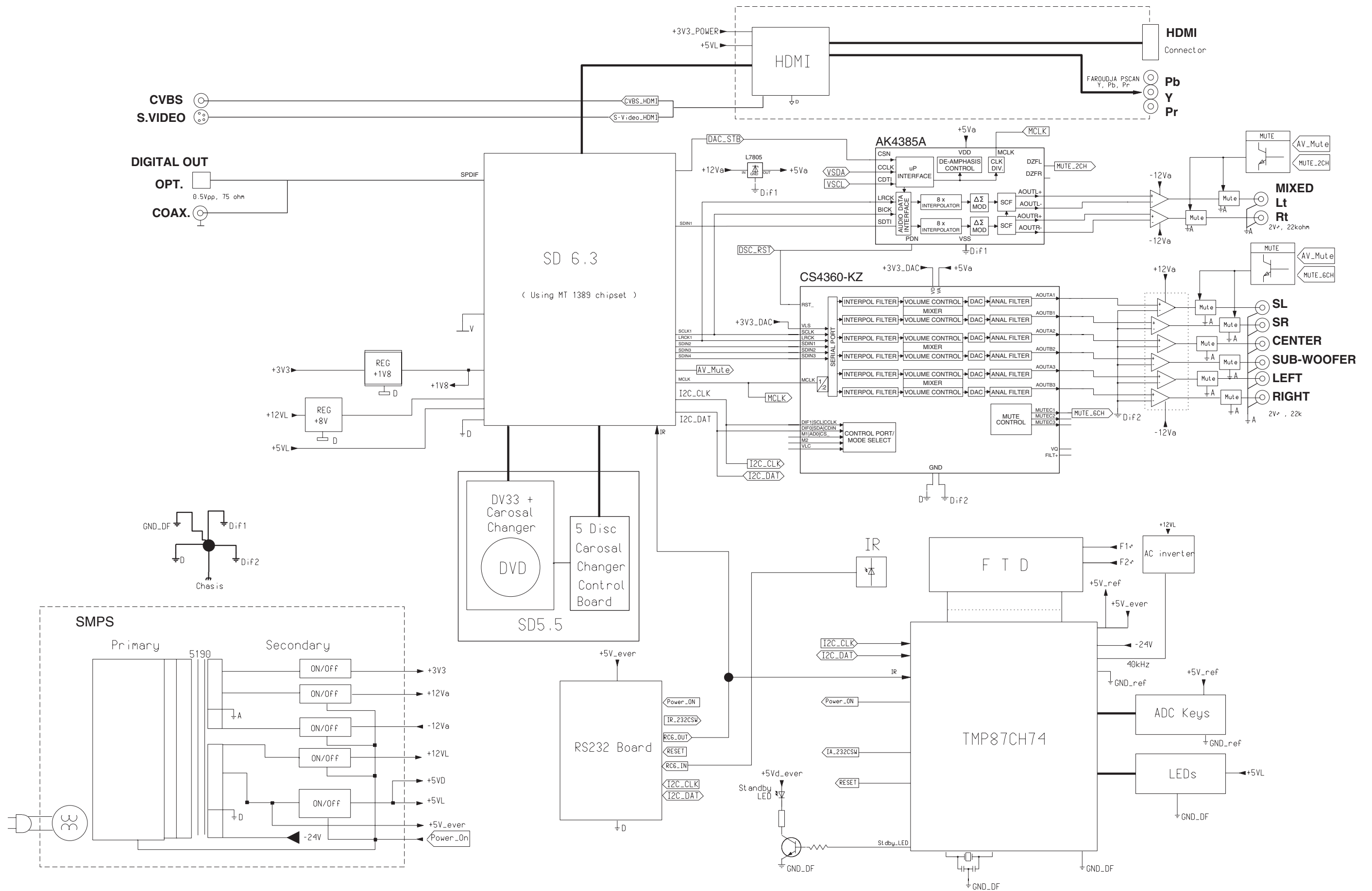


5. Turn off power to quit Service Mode.

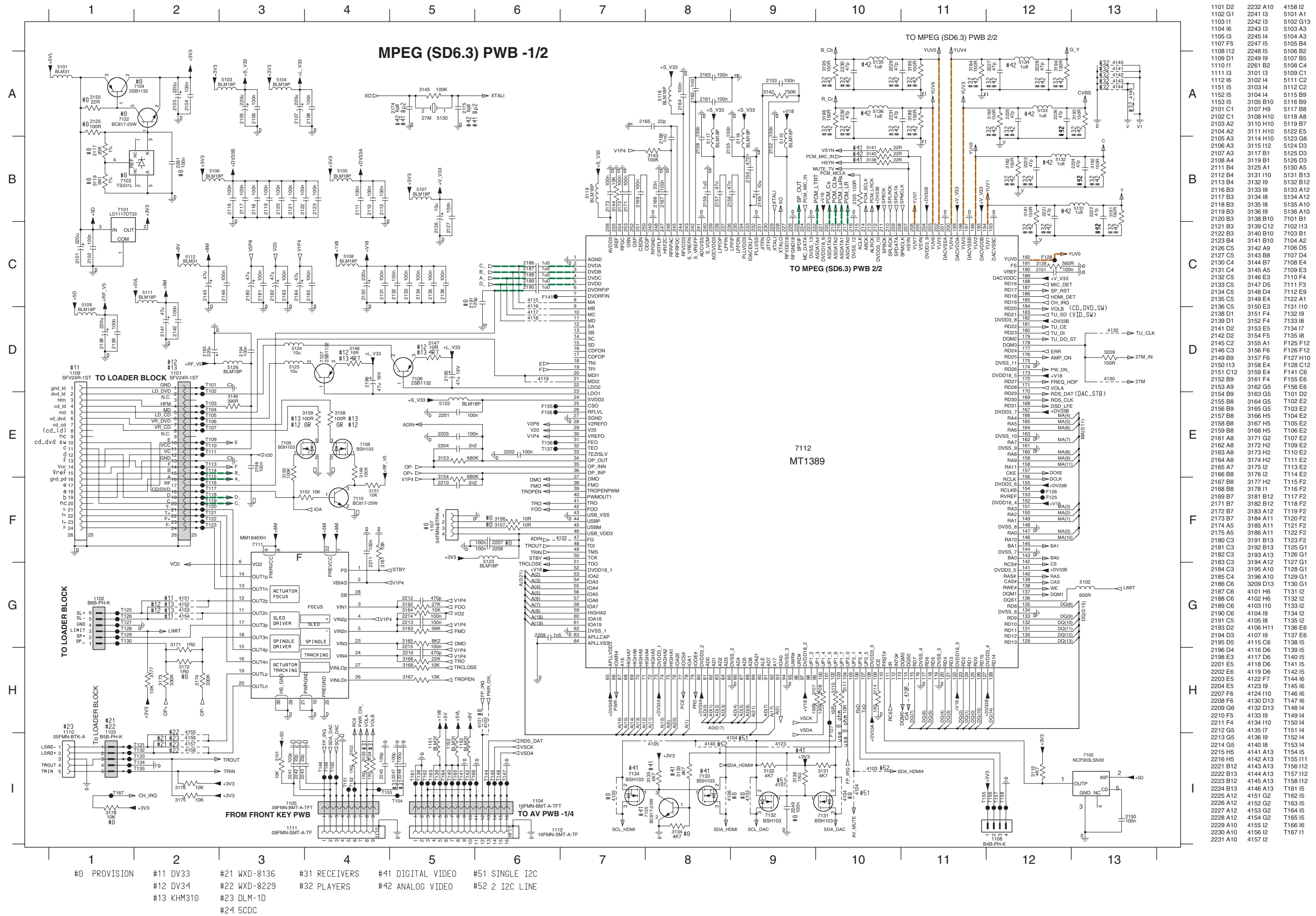
9. WIRING DIAGRAM



10. BLOCK DIAGRAM



11. SCHEMATIC DIAGRAM



MPEG (SD6.3) PWB -2/2

A

B

C

D

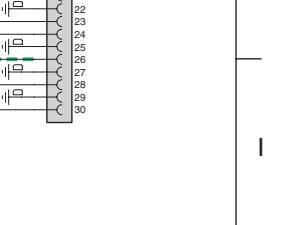
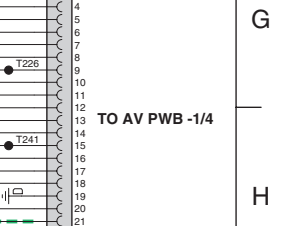
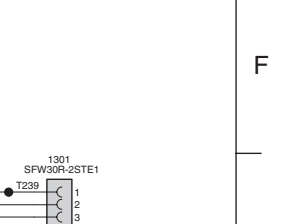
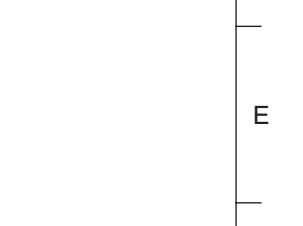
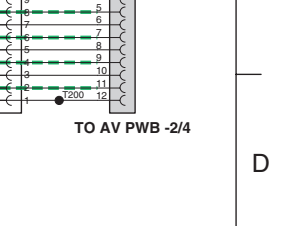
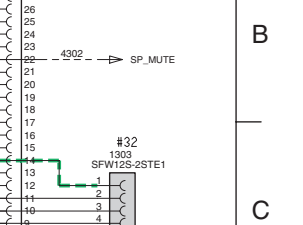
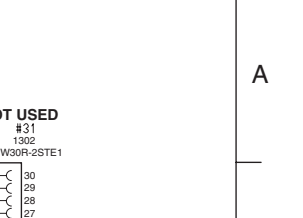
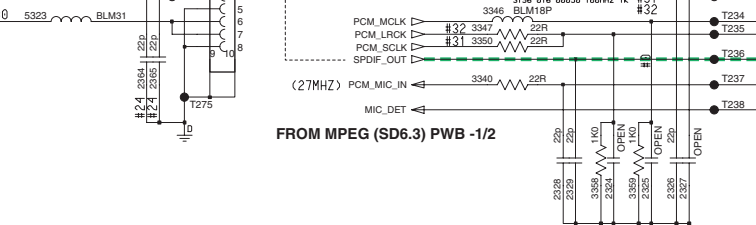
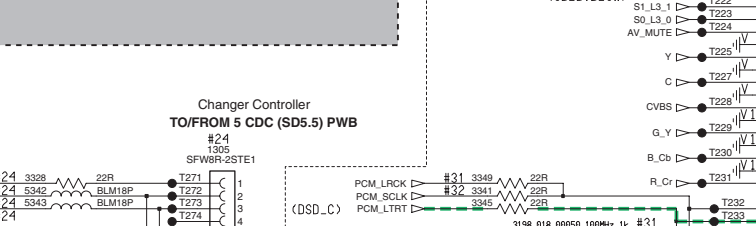
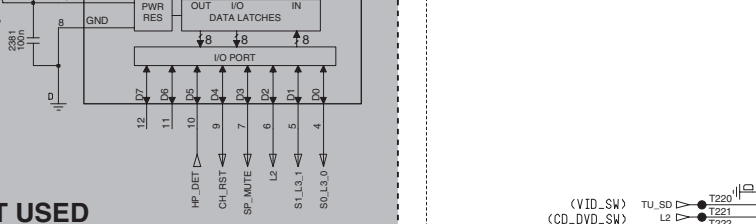
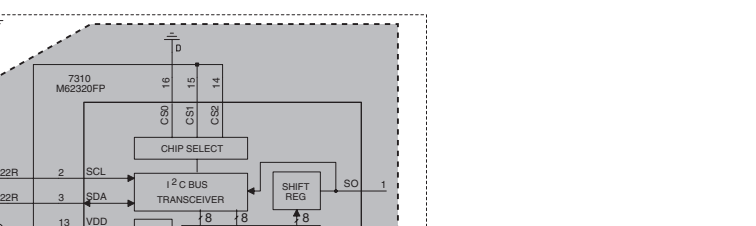
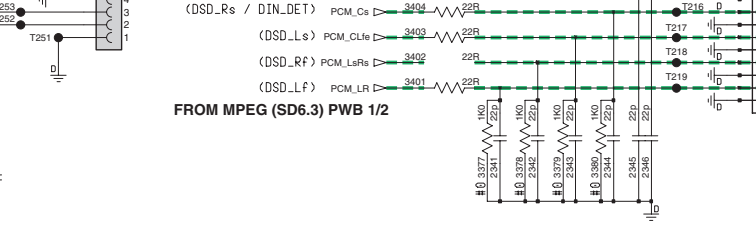
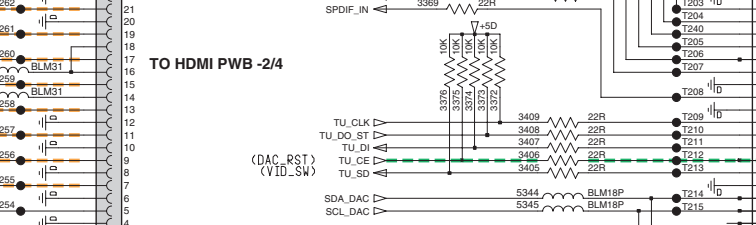
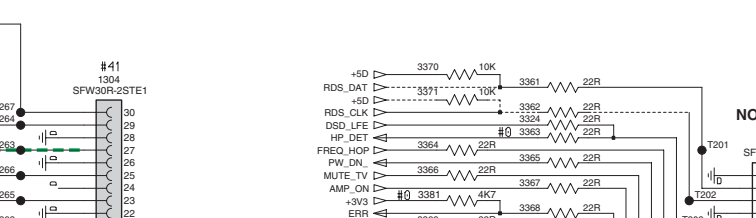
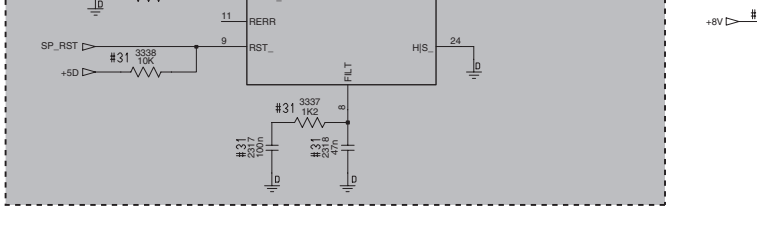
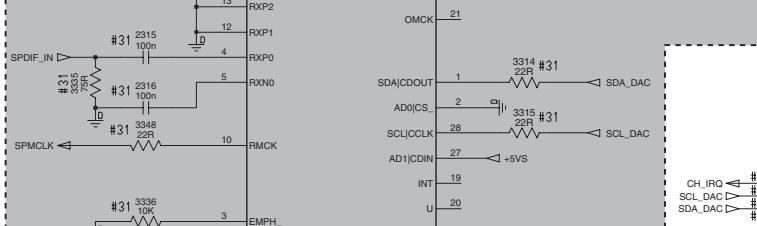
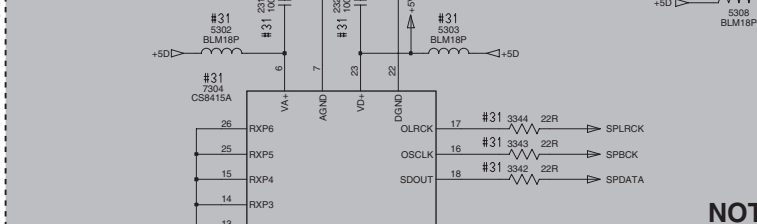
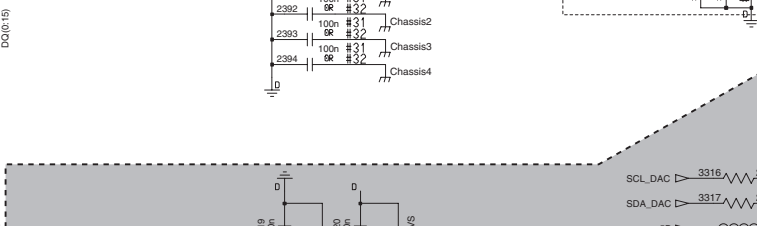
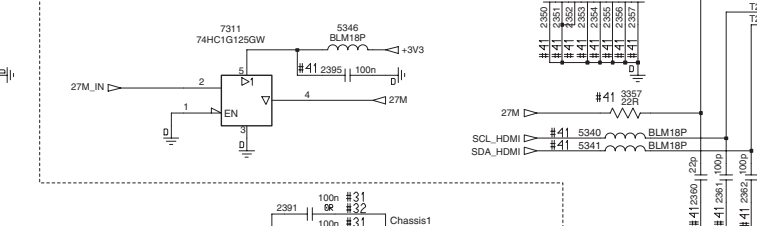
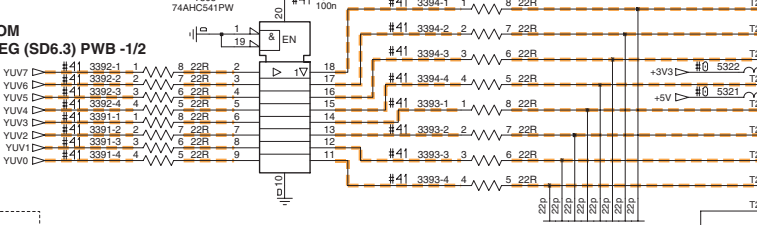
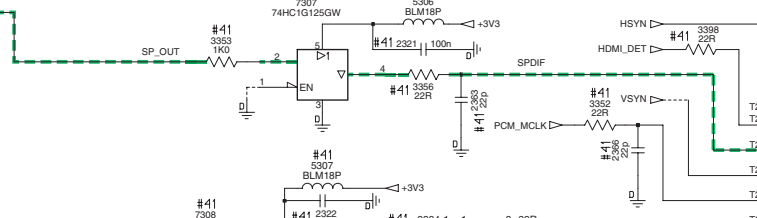
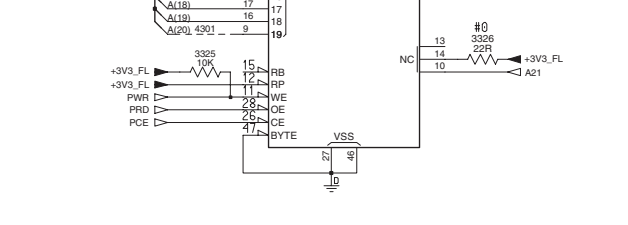
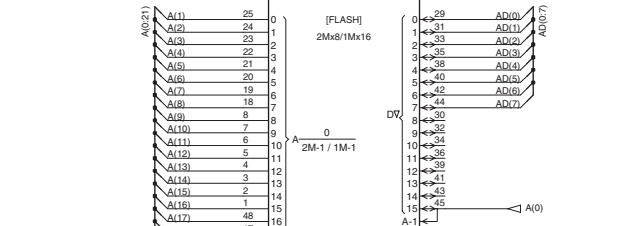
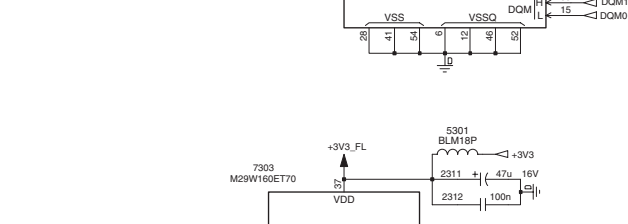
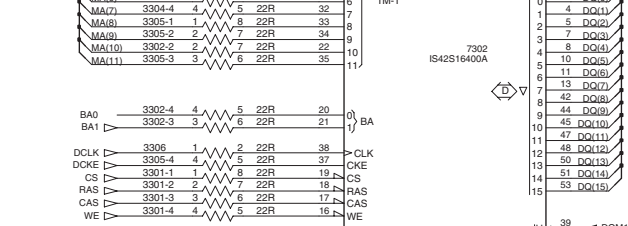
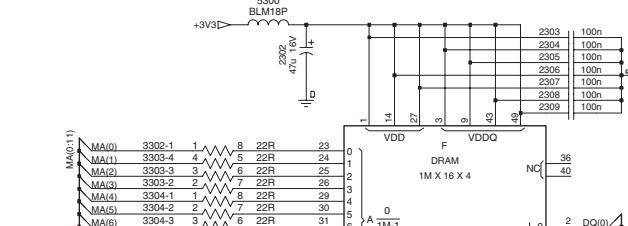
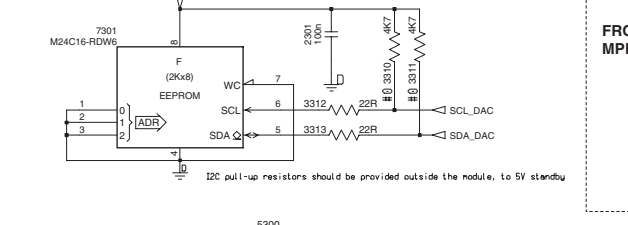
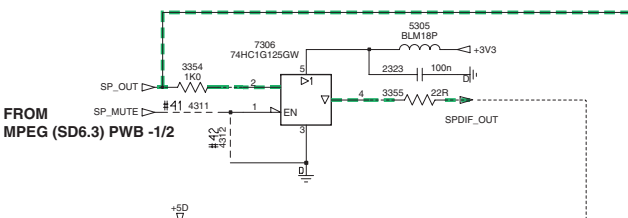
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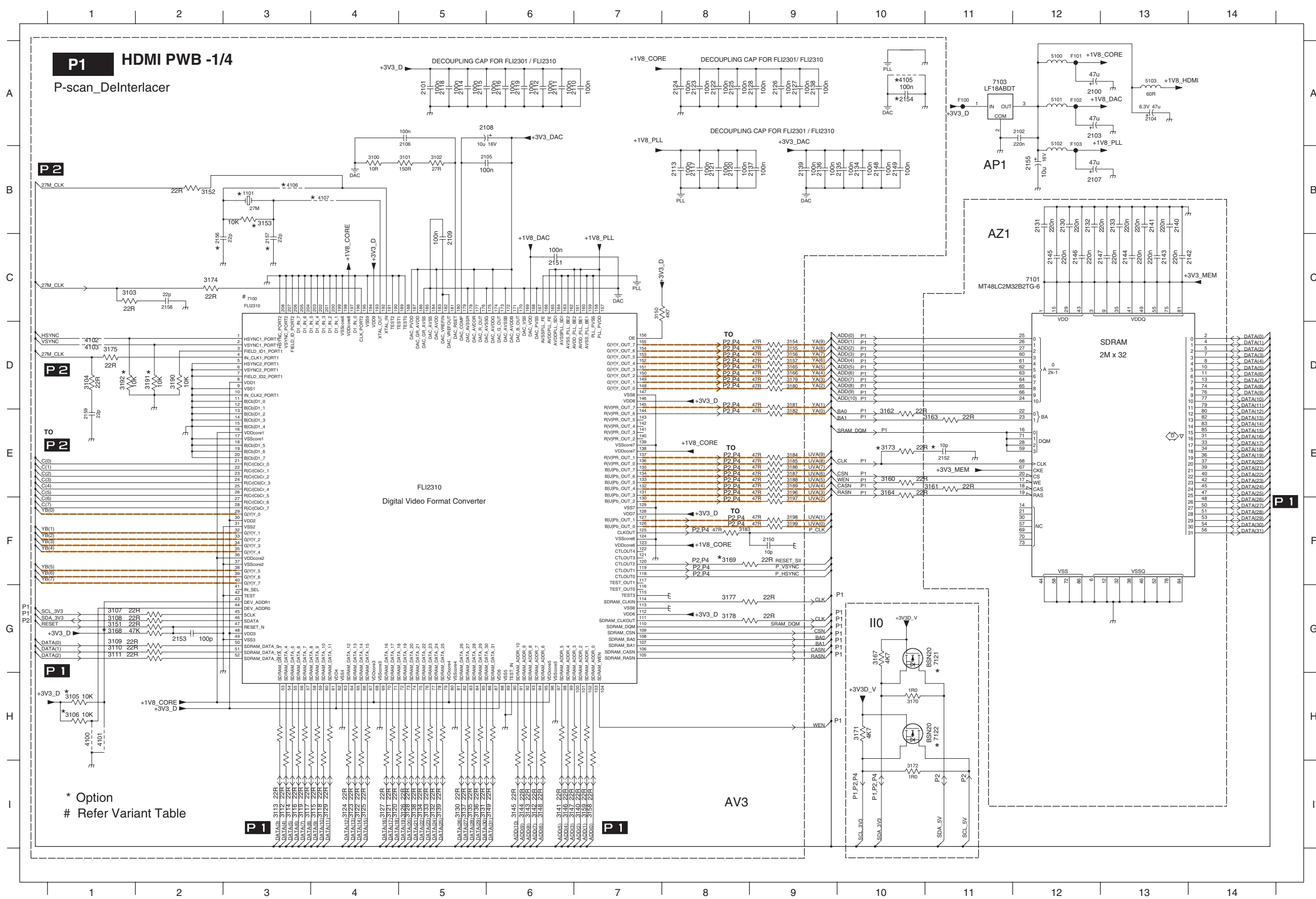
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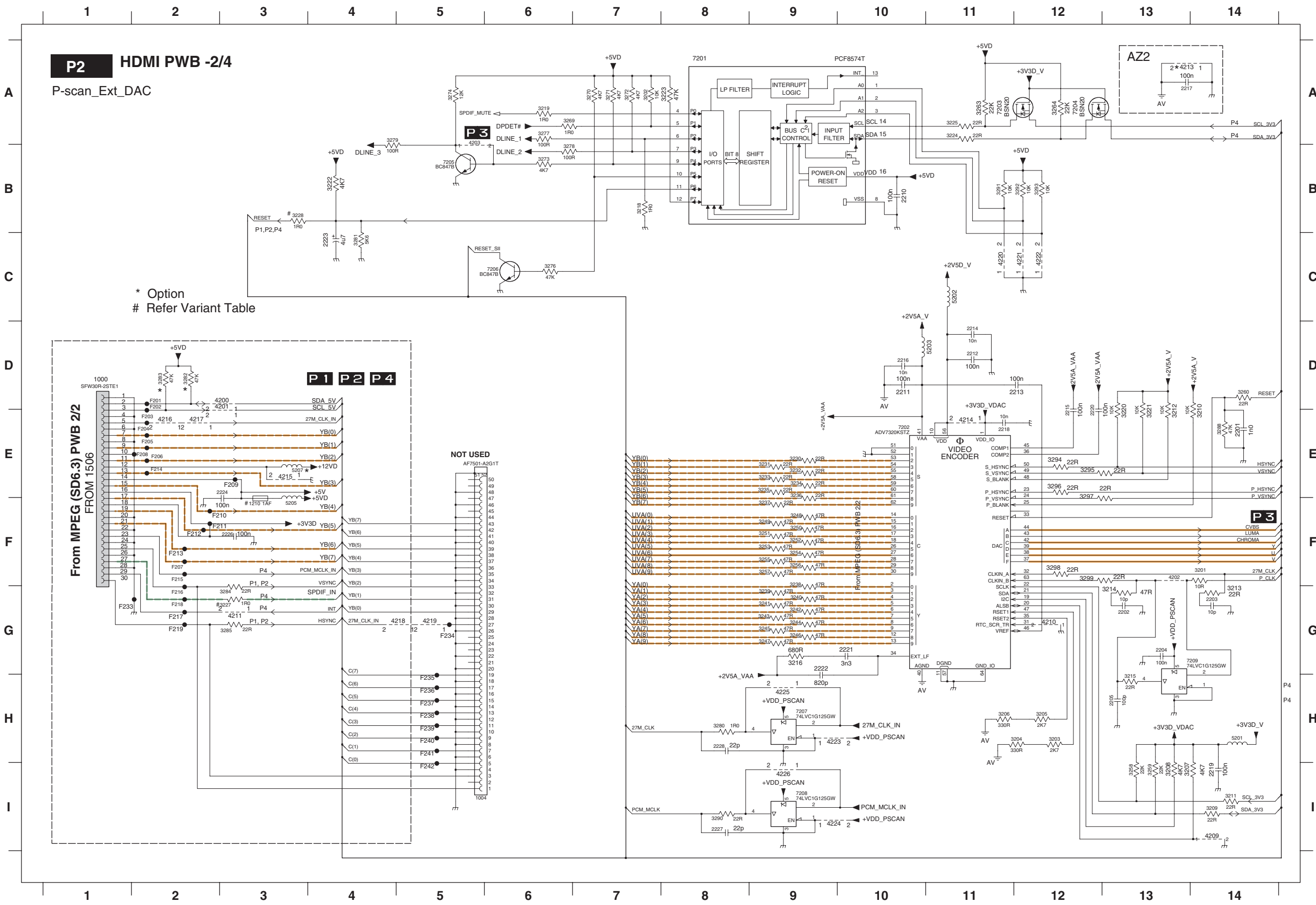
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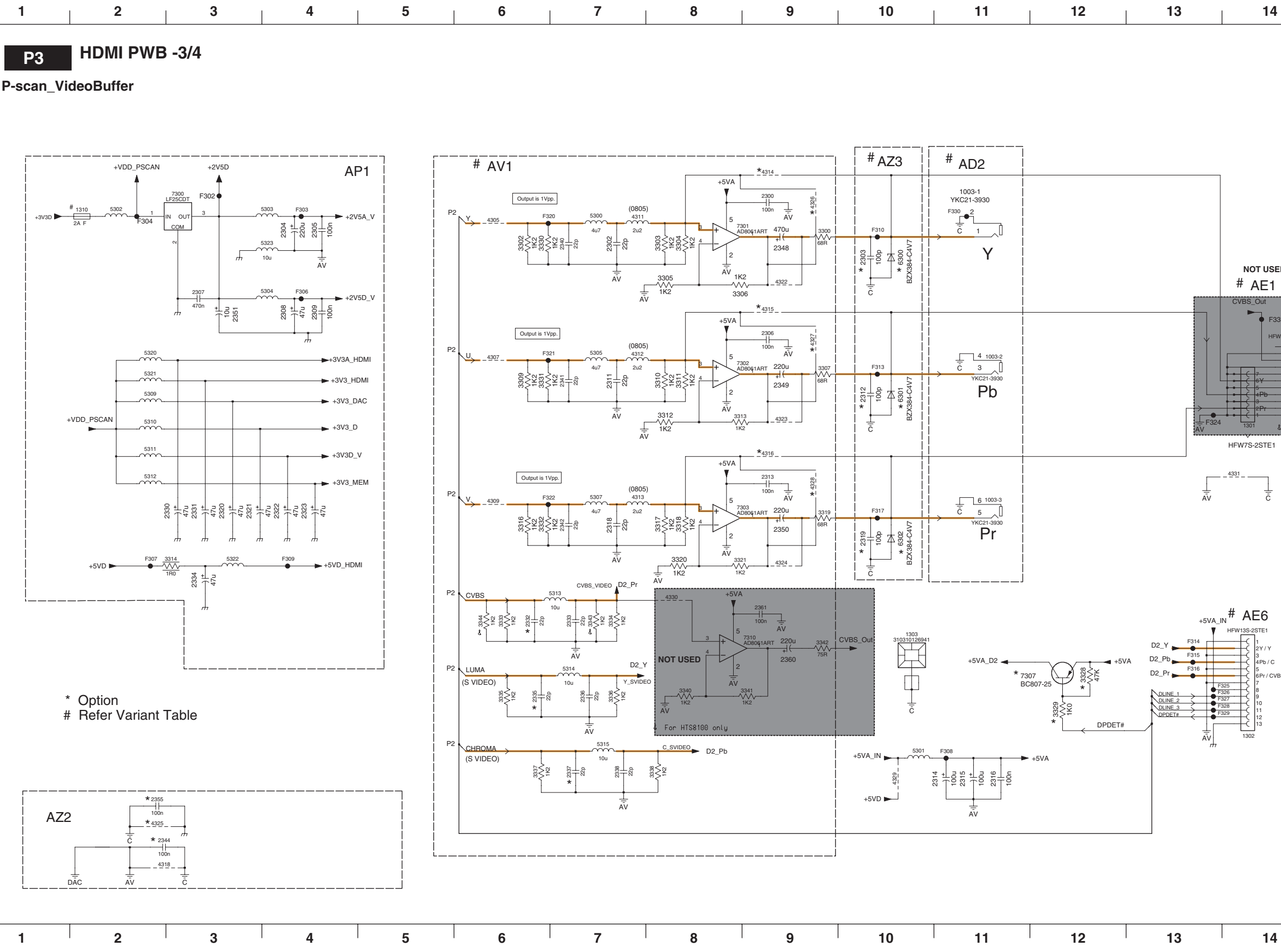
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1305 H9	3364 A11	T237 I12
2301 B2	3365 A11	T238 I12
2302 C2	3366 B11	T239 G13
2303 C3	3367 B11	T240 B12
2304 C3	3368 B11	T241 H13
2305 C3	3369 B11	T251 C8
2306 C3	3370 A11	T252 C8
2307 D3	3371 A11	T253 C8
2308 D3	3372 B11	T254 C8
2309 D3	3373 B11	T255 C8
2311 G3	3374 B11	T256 C8
2312 G3	3375 B11	T257 C8
2313 G5	3376 B11	T258 B8
2316 G5	3377 D11	T259 B8
2317 I5	3378 D11	T260 B8
2318 I6	3379 D11	T261 B8
2319 F5	3380 D12	T262 B8
2320 F6	3381 B11	T263 A8
2321 A6	3391-1 B4	T264 A8
2322 B6	3391-2 C4	T265 B8
2323 A3	3391-3 C4	T266 B8
2324 I2	3391-4 C4	T267 A8
2325 I2	3392-1 B4	T271 H9
2326 I12	3392-2 B4	T272 H9
2327 I12	3392-3 B4	T273 H9
2328 I11	3392-4 B4	T274 H9
2329 I11	3393-1 B2	T275 I9
2341 D11	3393-2 C6	
2342 D11	3393-3 C6	
2343 D11	3393-4 B6	
2344 D12	3394-1 B6	
2345 D12	3394-2 B6	
2346 D12	3394-3 B6	
2350 C7	3394-4 B6	
2351 C7	3398 A8	
2352 C7	3401 D10	
2353 C7	3402 C10	
2354 C7	3403 C10	
2355 C7	3404 C10	
2356 C7	3405 C11	
2357 C7	3406 C11	
2360 D8	3407 C11	
2361 D8	3408 C11	
2362 D8	3409 B11	
2363 A7	4301 B1	
2364 I9	4302 B13	
2365 I9	4311 A1	
2366 A7	4312 A2	
2381 F8	5300 C2	
2391 D5	5301 F3	
2392 D5	5302 F5	
2393 E5	5303 F6	
2394 E5	5305 A3	
2395 C6	5306 A6	
3301-1 E1	5307 B6	
3301-2 E1	5308 F8	
3301-3 E1	5321 B8	
3301-4 F1	5322 B8	
3302-1 D1	5323 B8	
3302-2 E1	5340 D7	
3302-3 E1	5341 D7	
3302-4 E1	5342 H8	
3303-2 D1	5343 H8	
3303-3 D1	5344 C11	
3303-4 D1	5345 C11	
3304-1 D1	5346 C6	
3304-2 D1	7301 B1	
3304-3 D1	7302 E3	
3304-4 D1	7303 G2	
3305-1 D1	7304 F5	
3305-2 E1	7306 A2	
3305-3 E1	7307 A6	
3305-4 E1	7308 B5	
3306 E1	7310 E9	
3310 B3	7311 C5	
3311 B3	T200 D13	
3312 B2	T201 A12	
3313 C2	T202 B12	
3314 G7	T203 B12	
3315 H7	T204 B12	
3316 E8	T205 B12	
3317 E8	T206 B12	
3324 A11	T207 B12	
3325 H1	T208 B12	
3326 H3	T209 B12	
3328 H8	T210 C12	
3335 G4	T211 C12	
3336 H5	T212 C12	
3337 I6	T213 C12	
3338 H5	T214 C12	
3340 I11	T215 C12	
3341 H11	T216 C12	
3342 G7	T217 C12	
3343 F7	T218 C12	
3344 F7	T219 D12	
3345 H11	T220 G12	
3346 H11	T221 G12	
3347 H11	T222 G12	
3348 H5	T223 G12	
3349 H11	T224 G12	
3350 H11	T225 G12	
3352 A7	T226 G13	
3353 A5	T227 G12	
3354 A1	T228 G12	
3355 A3	T229 H12	
3356 A6	T230 H12	
3357 D7	T231 H12	
3358 I12	T232 H12	

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#12	DV34	#22	WXD-8229	#32	PLAYERS	#42	ANALOG VIDEO		
#13	KHM310	#23	DLM-1D	#24	SCDC				



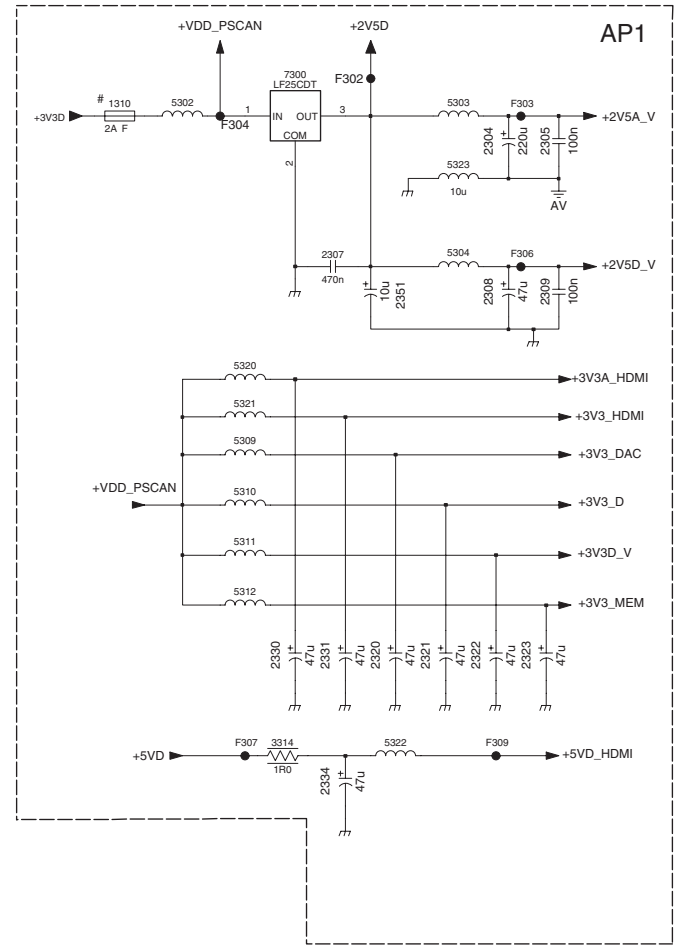


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2201 E14	4213 A13
2202 G13	4214 E11
2203 G14	4215 E3
2204 G13	4216 E2
2205 H13	4217 E2
2210 B10	4218 G5
2211 D10	4219 G5
2212 D11	4220 C11
2213 D12	4221 C12
2214 D11	4222 C12
2215 E12	4223 H9
2216 D10	4224 I9
2217 A13	4225 H9
2218 E11	4226 I9
2219 I14	5201 H14
2220 E12	5202 C11
2221 G10	5203 D11
2222 G9	5205 F3
2223 C4	5207 E3
2224 E3	7201 A8
2226 F3	7202 E10
2227 I8	7203 A11
2228 H8	7204 A12
3201 F14	7205 B5
3202 A7	7206 C6
3203 H12	7207 H9
3204 H12	7208 I9
3205 H12	7209 G13
3206 H11	F201 D2
3207 I13	F202 E2
3208 I13	F203 E2
3209 I14	F204 E2
3210 E14	F205 E2
3211 I14	F206 E2
3212 E13	F207 F2
3213 G14	F208 E2
3214 G13	F209 E3
3215 H13	F210 F2
3216 G9	F211 F3
3218 B7	F212 F2
3219 A6	F213 F2
3220 E13	F214 E2
3221 E13	F215 F2
3222 B4	F216 G2
3223 A8	F217 G2
3224 A11	F218 G2
3225 A11	F219 C2
3227 G3	F233 G1
3228 B3	F234 G5
3230 E9	F235 H5
3231 E9	F236 H5
3232 E9	F237 H5
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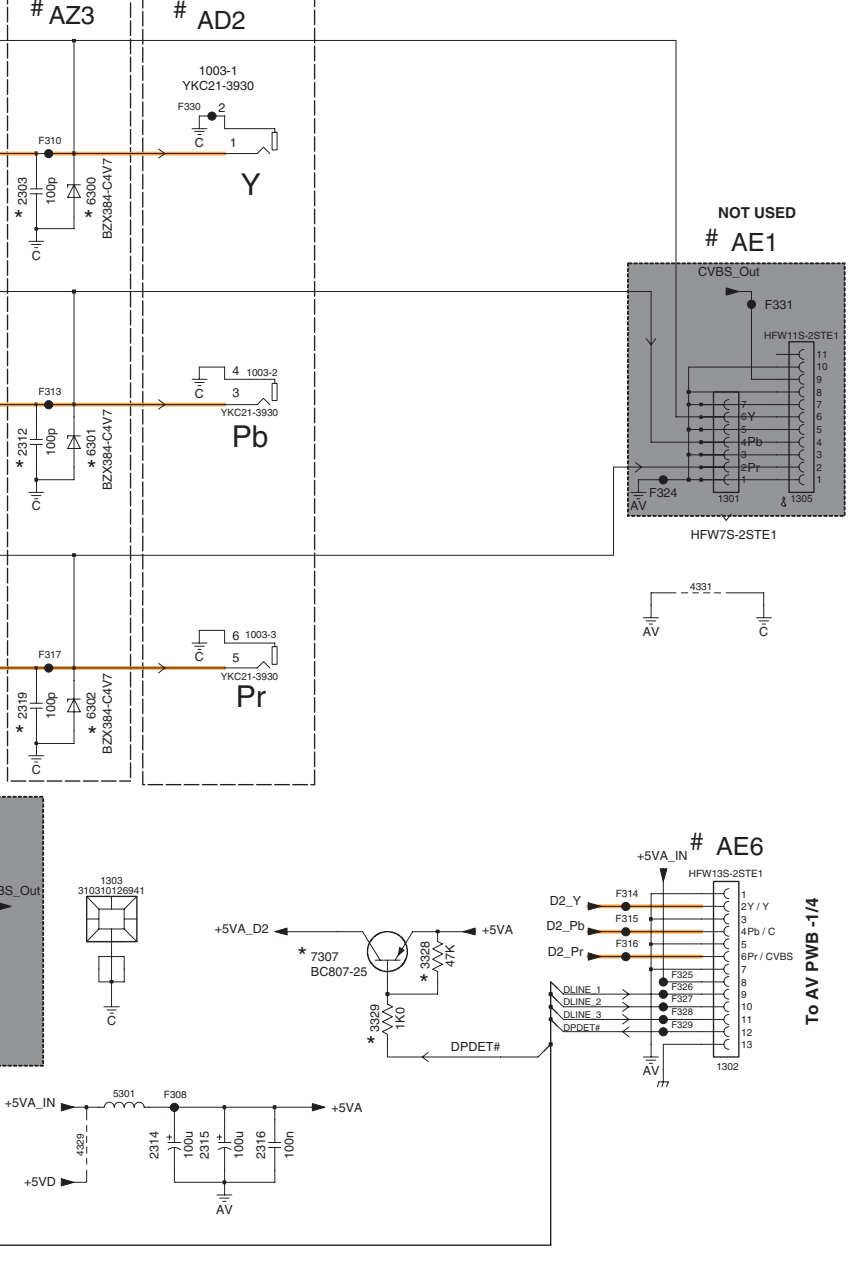
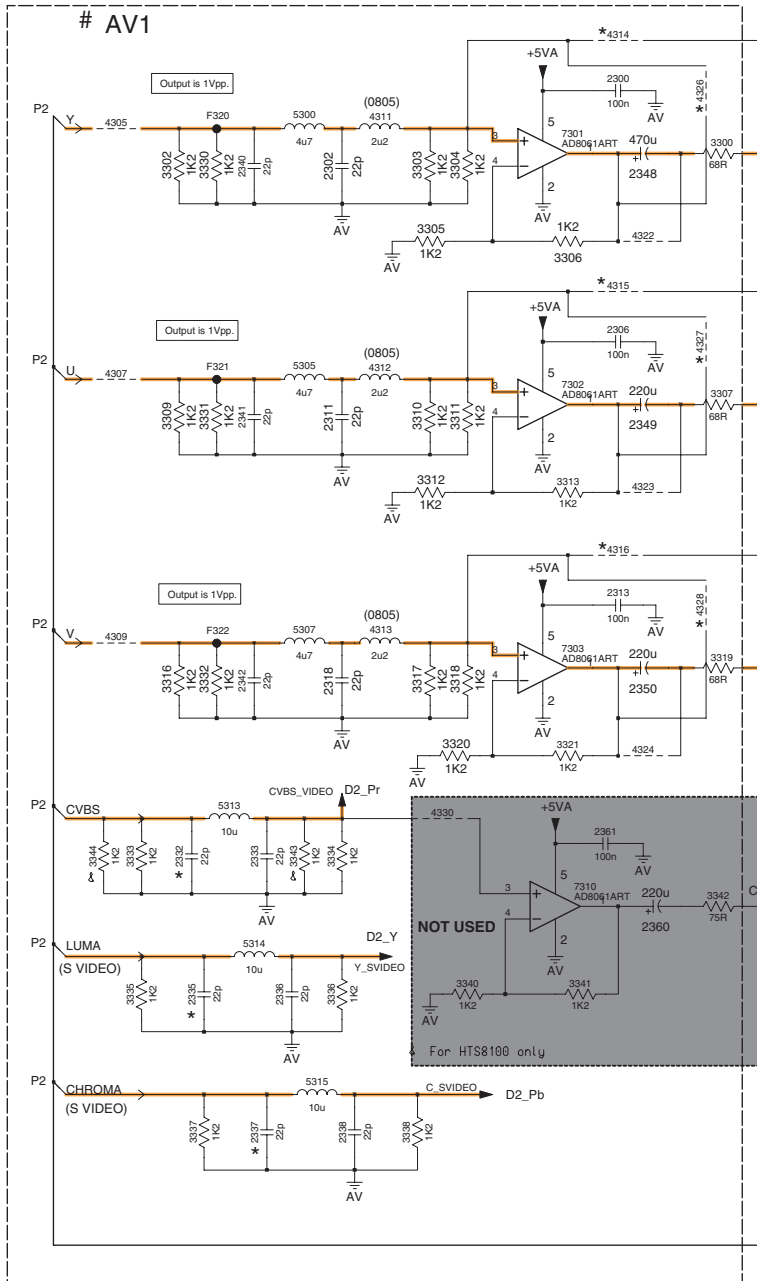
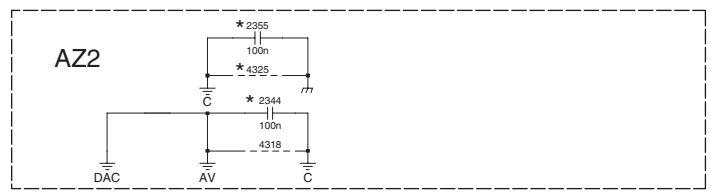


P3 HDMI PWB -3/4

P-scan_VideoBuffer



* Option
Refer Variant Table



Ref Des	1003	1301	1302	1310	2302	2311	2340	2341	3302	3309	3330	3331	3303	3310	3304	3311	5300	5305	4311	4312	2348	2349	4322	4323
Variant	NOT USED	USED	USED	F 2A	22p	22p	22p	150R	1K2	1K2	1K2	1K2	1K2	1K2	1K2	1K2	4u7	5307	4313	2350	USED	NOT USED	4324	4324
DV6001	NOT USED	USED	USED	F 2A	22p	22p	22p	150R	1K2	1K2	1K2	1K2	1K2	1K2	1K2	1K2	4u7	5307	4313	2350	USED	NOT USED	4324	4324
VC6001	USED	NOT USED	USED	F 2A	22p	22p	22p	1K2	1K2	1K2	1K2	1K2	1K2	1K2	1K2	1K2	4u7	5307	4313	2350	USED	NOT USED	4324	4324

- 1003-1 B11
- 1003-2 D11
- 1003-3 E11
- 1301 D14
- 1302 H14
- 1303 G10
- 1305 D14
- 1310 B2
- 2300 B9
- 2302 C7
- 2303 C10
- 2304 B4
- 2305 B4
- 2306 D9
- 2307 C3
- 2308 C4
- 2309 C4
- 2311 D7
- 2312 D10
- 2313 E9
- 2314 H11
- 2315 H11
- 2316 H11
- 2318 F7
- 2319 F10
- 2320 E3
- 2321 E3
- 2322 E4
- 2323 E4
- 2330 E3
- 2331 E3
- 2332 G6
- 2333 G7
- 2334 F3
- 2335 G6
- 2336 G7
- 2337 H7
- 2338 H7
- 2340 C7
- 2341 D7
- 2342 F7
- 2348 C9
- 2349 D9
- 2350 F9
- 2351 C3
- 2355 H2
- 2360 G2
- 2361 F9
- 3300 B9
- 3302 C6
- 3303 C8
- 3304 C8
- 3305 C8
- 3306 C8
- 3307 D9
- 3309 D6
- 3310 D8
- 3311 D8
- 3312 D8
- 3313 D8
- 3314 F3
- 3316 F6
- 3317 F8
- 3318 F8
- 3319 E9
- 3320 F8
- 3321 F9
- 3328 G12
- 3329 G12
- 3330 C6
- 3331 D6
- 3332 F6
- 3333 G6
- 3334 G7
- 3335 G6
- 3336 G7
- 3337 H6
- 3338 H8
- 3340 G8
- 3341 G9
- 3342 G9
- 3343 G7
- 3344 G6
- 4307 D6
- 4309 E6
- 4311 B7
- 4312 D7
- 4313 E7
- 4314 B9
- 4315 C9
- 4316 E9
- 4318 I2
- 4322 C9
- 4323 D9
- 4324 F9
- 4325 I2
- 4326 B9
- 4327 D9
- 4328 E9
- 4329 H10
- 4330 F8
- 4331 E14
- 5300 B7
- 5301 H10
- 5302 B2
- 5303 B4
- 5304 C4
- 5305 D7
- 5307 E7
- 5309 D2
- 5310 D2
- 5311 E2
- 5312 E2
- 5314 G7
- 5315 H7
- 5320 D2
- 5321 D2
- 5322 F3
- 5323 C4
- 6300 C10
- 6301 D10
- 6302 F10
- 7300 B3
- 7301 B8
- 7302 D8
- 7303 E8
- 7307 G11
- 7310 G9
- F302 B3
- F303 B4
- F304 B2
- F306 C4
- F307 F2
- F308 H11
- F309 F4
- F310 B10
- F313 D10
- F314 G13
- F315 G13
- F316 G13
- F317 E10
- F320 B6
- F321 D6
- F322 E6
- F324 D13
- F325 G14
- F326 G14
- F327 G14
- F328 G14
- F329 G14
- F330 B11
- F331 C14

P4 HDMI PWB -4/4

P-scan_HDMI

* Option
Refer Variant Table

A

B

C

D

E

F

G

H

A

B

C

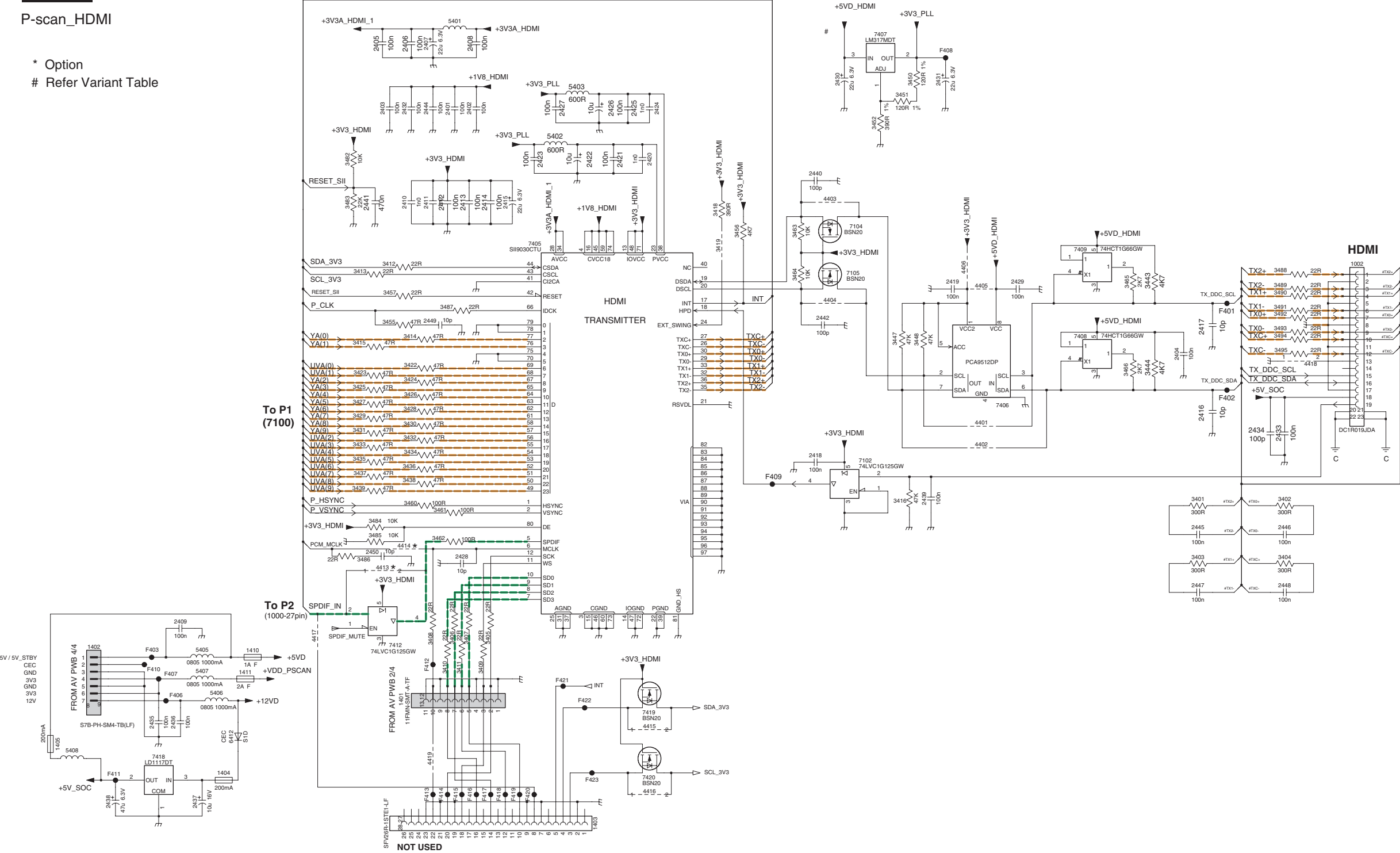
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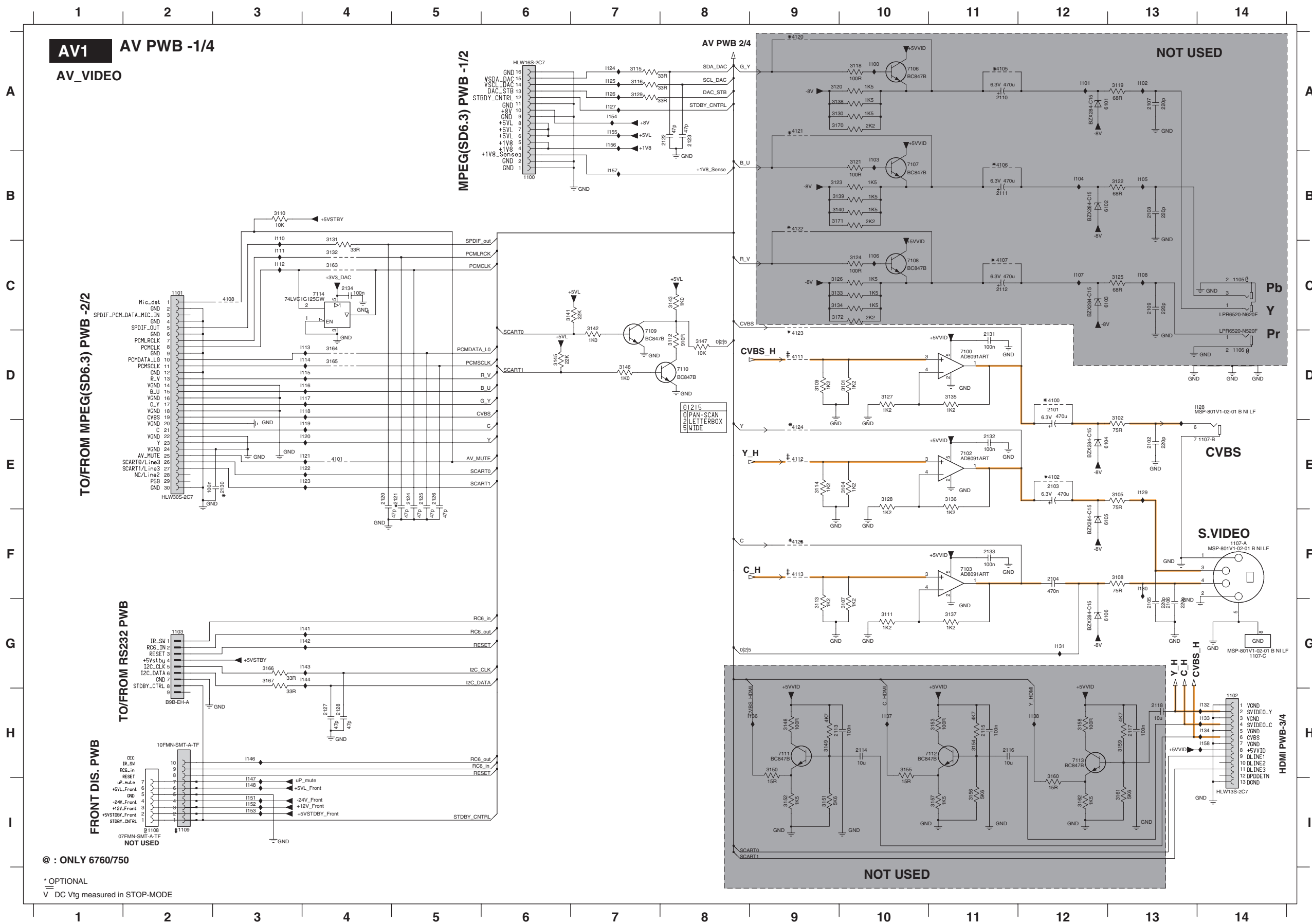
F

G

H



1002 C14	3464 C8
1401 G4	3465 C12
1402 G1	3466 D12
1403 H6	3482 B4
1404 H3	3483 B4
1405 H1	3484 F4
1410 G3	3485 F4
1411 G3	3486 F4
2401 B5	3487 D5
2402 B5	3488 C13
2403 B4	3489 C13
2404 D12	3490 C13
2405 A4	3491 D13
2406 A5	3492 D13
2407 A5	3493 D13
2408 A5	3494 D13
2409 G2	3495 D13
2410 B5	4401 E10
2411 B5	4402 E10
2412 B5	4403 B9
2413 B5	4404 C9
2414 B5	4405 C10
2415 B6	4406 C10
2416 E12	4413 F4
2417 D12	4414 F4
2418 E9	4415 H7
2419 C10	4416 H7
2420 B7	4417 G4
2421 B7	4418 D13
2422 B6	4419 H5
2423 B6	5401 A5
2424 B7	5402 B6
2425 B7	5403 A6
2426 B7	5405 G2
2427 B6	5406 G3
2428 F5	5407 G2
2429 C11	5408 H1
2430 A9	6412 H3
2431 A10	7102 E9
2432 B5	7104 C9
2433 E13	7105 C9
2434 E13	7405 C6
2435 H2	7406 D10
2436 H2	7407 A9
2437 H2	7408 D11
2438 H2	7409 C11
2439 E10	7412 G4
2440 B9	7418 H2
2441 B4	7419 H7
2442 D9	7420 H7
2444 B5	F401 D13
2445 F12	F402 D13
2446 F13	F403 G2
2447 F12	F406 G2
2448 F13	F407 G2
2449 D5	F408 A10
2450 F4	F409 E8
3401 E12	F410 G2
3402 E13	F411 H2
3403 F12	F412 G5
3404 F13	F413 H5
3405 G5	F414 H5
3406 G5	F415 H5
3407 G5	F416 H5
3408 G5	F417 H5
3409 G5	F418 H5
3410 G5	F419 H6
3411 G5	F420 H6
3412 C4	F421 G6
3413 C4	F422 G6
3414 D5	F423 H6
3415 D4	
3416 E9	
3418 C8	
3419 C8	
3422 D5	
3423 D4	
3424 D5	
3425 D4	
3426 D5	
3427 D4	
3428 E5	
3429 E4	
3430 E5	
3431 E4	
3432 E5	
3433 E4	
3434 E5	
3435 E4	
3436 E5	
3437 E4	
3438 E5	
3439 E4	
3443 C12	
3444 D12	
3447 D9	
3448 D10	
3450 A10	
3451 A9	
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3460 E5	
3461 F5	
3462 F5	
3463 C8	



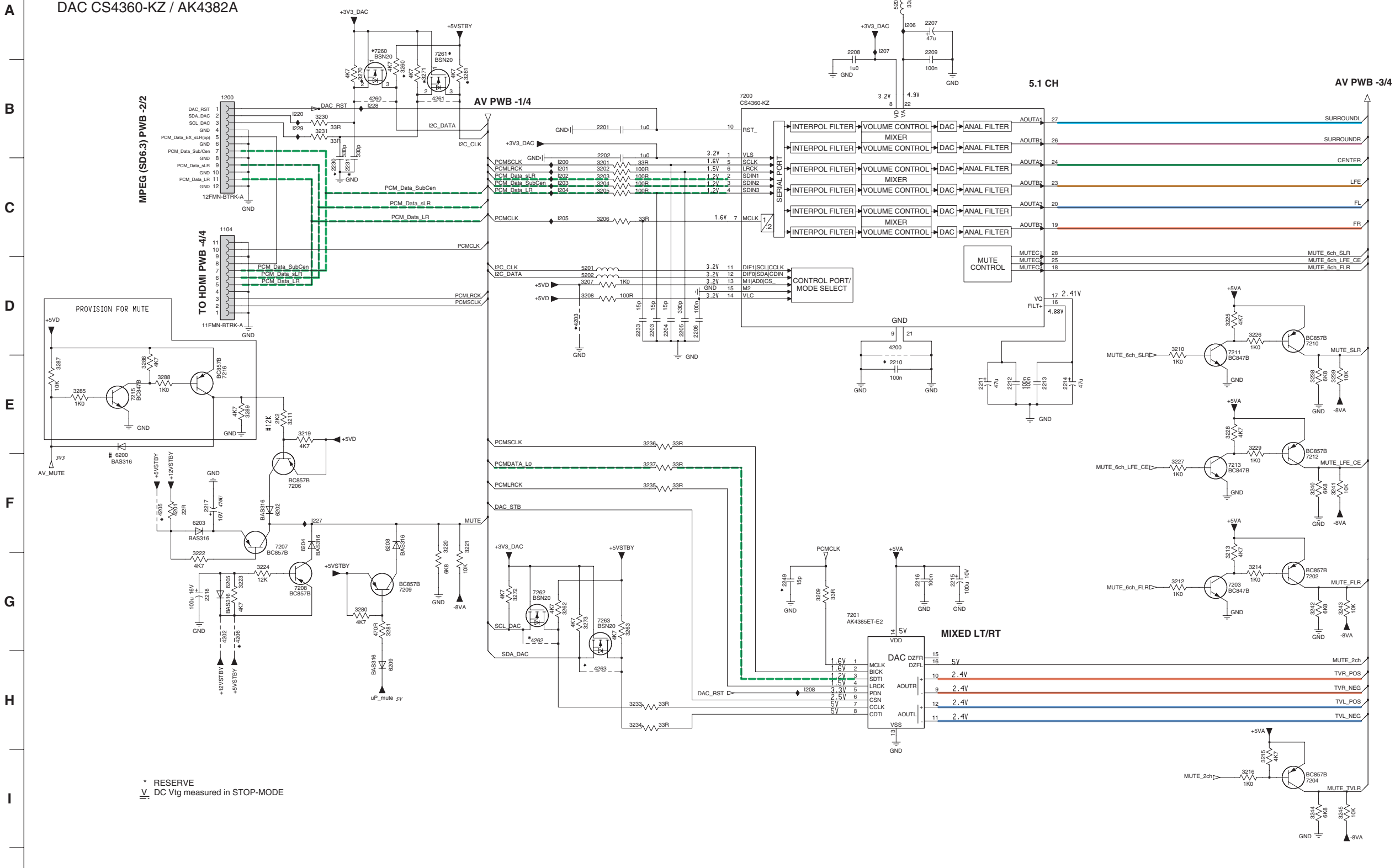
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- 1102 H14
- 1103 G2
- 1105 C14
- 1106 D14
- 1107-A F14
- 1107-B E14
- 1107-C G14
- 1108 I2
- 1109 I2
- 2101 D12
- 2102 E13
- 2103 E12
- 2104 F12
- 2105 G13
- 2106 G13
- 2107 A13
- 2108 B13
- 2109 C13
- 2110 A11
- 2111 B11
- 2112 C11
- 2113 H9
- 2114 H10
- 2115 H11
- 2116 H11
- 2117 H13
- 2118 H13
- 2120 E4
- 2121 E5
- 2122 A8
- 2123 A8
- 2124 E5
- 2125 E5
- 2126 E5
- 2127 H4
- 2128 H4
- 2130 E3
- 2131 D11
- 2132 E11
- 2133 F11
- 2134 C4
- 3101 D10
- 3102 D13
- 3104 I10
- 3105 E13
- 3107 G10
- 3108 F13
- 3109 D9
- 3110 B3
- 3111 G10
- 3112 D8
- 3113 G5
- 3114 E9
- 3115 A7
- 3116 A7
- 3118 A10
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- 3120 A9
- 3121 B10
- 3122 B13
- 3123 B9
- 3124 C10
- 3125 C13
- 3126 C9
- 3127 D10
- 3128 E10
- 3129 A7
- 3130 A9
- 3131 C4
- 3132 C4
- 3133 C9
- 3134 C9
- 3135 D11
- 3136 E11
- 3137 G11
- 3138 A9
- 3139 B9
- 3140 B9
- 3141 C6
- 3142 D7
- 3143 C8
- 3145 D6
- 3146 D7
- 3147 D8
- 3148 H9
- 3149 H9
- 3150 H9
- 3151 H9
- 3152 I9
- 3153 H11
- 3154 H11
- 3155 H10
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* OPTIONAL

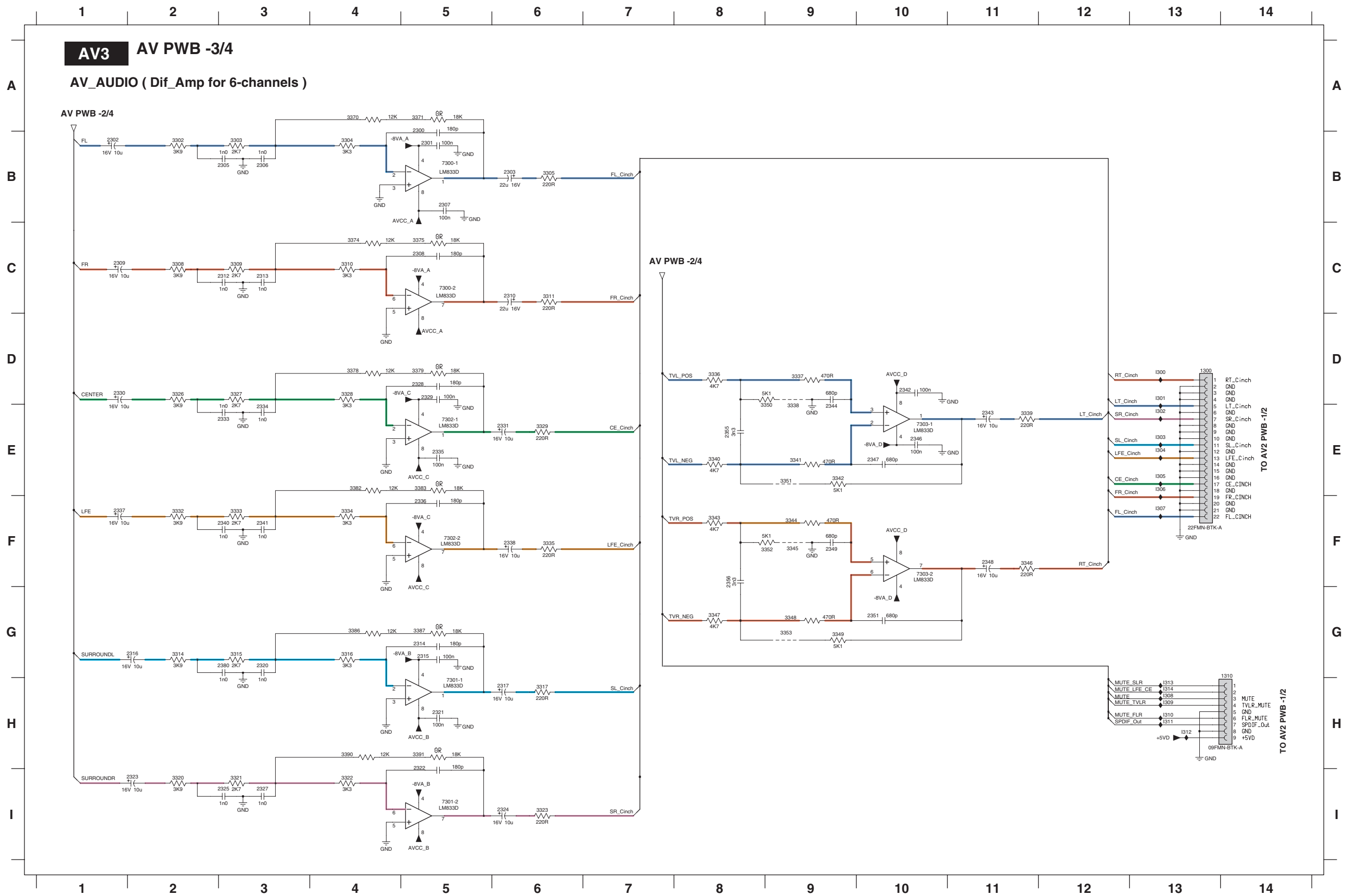
V DC Vtg measured in STOP-MODE

AV2 AV PWB -2/4
DAC CS4360-KZ / AK4382A

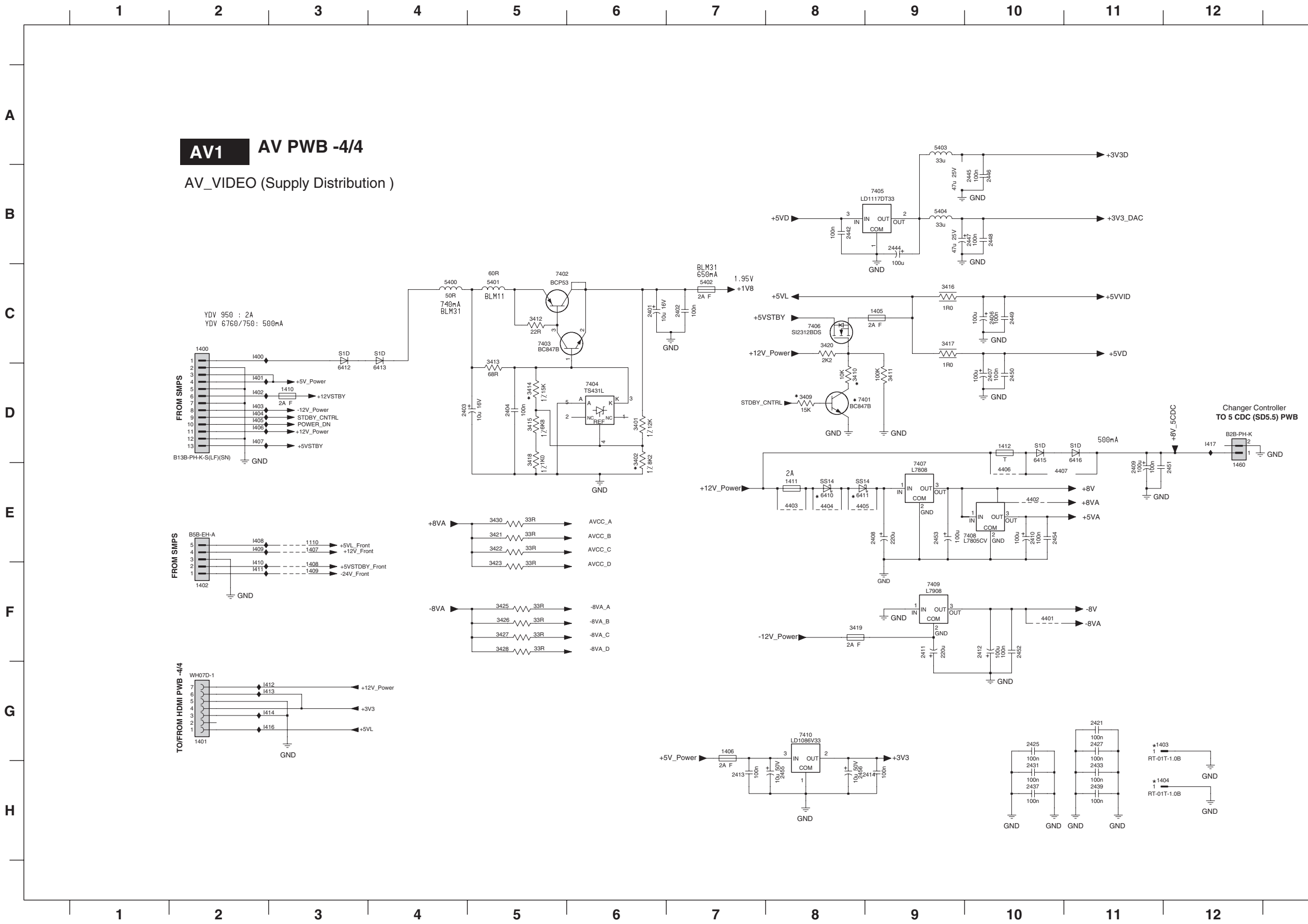


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- 2232 D6
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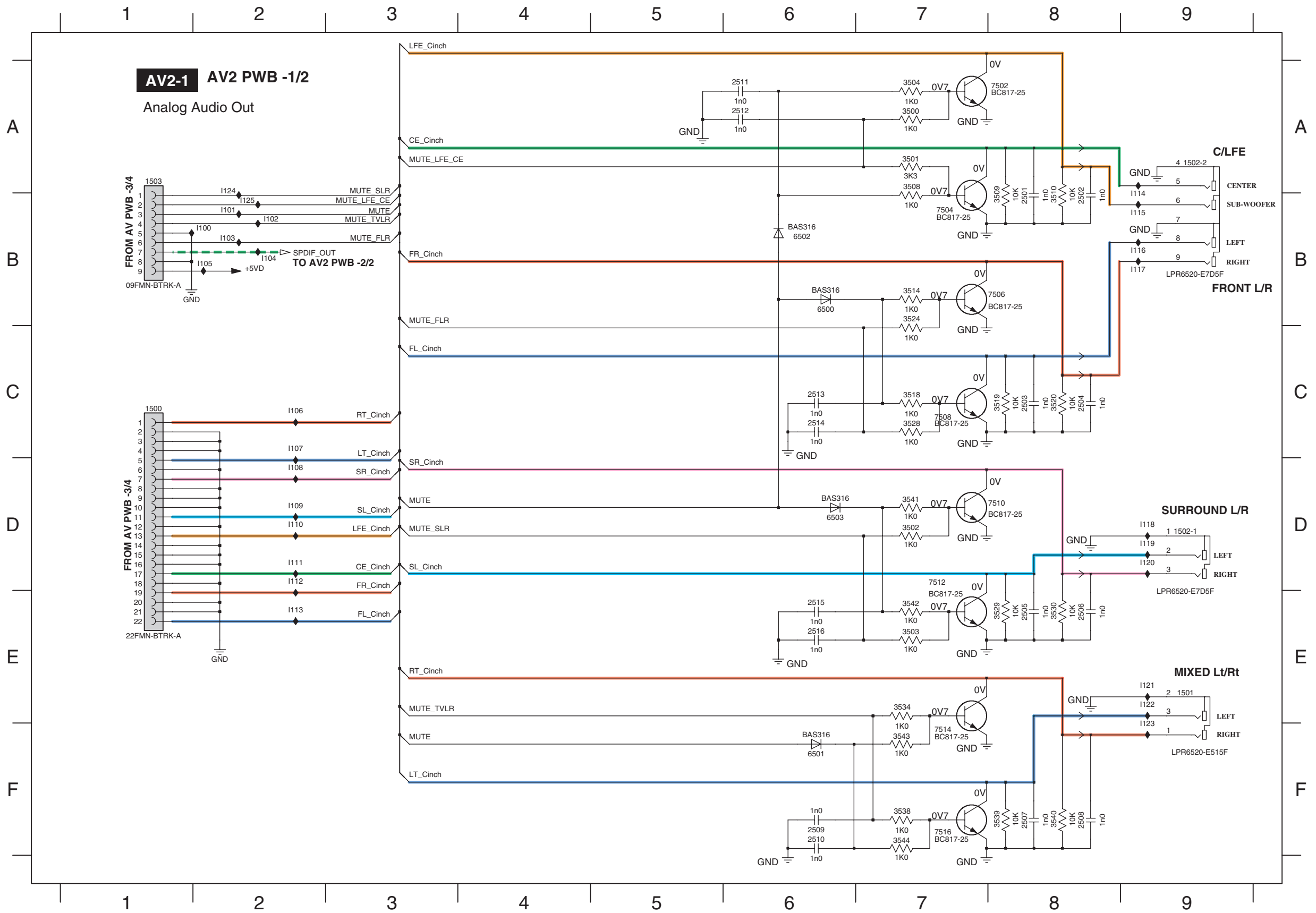
* RESERVE
 V DC Vtg measured in STOP-MODE



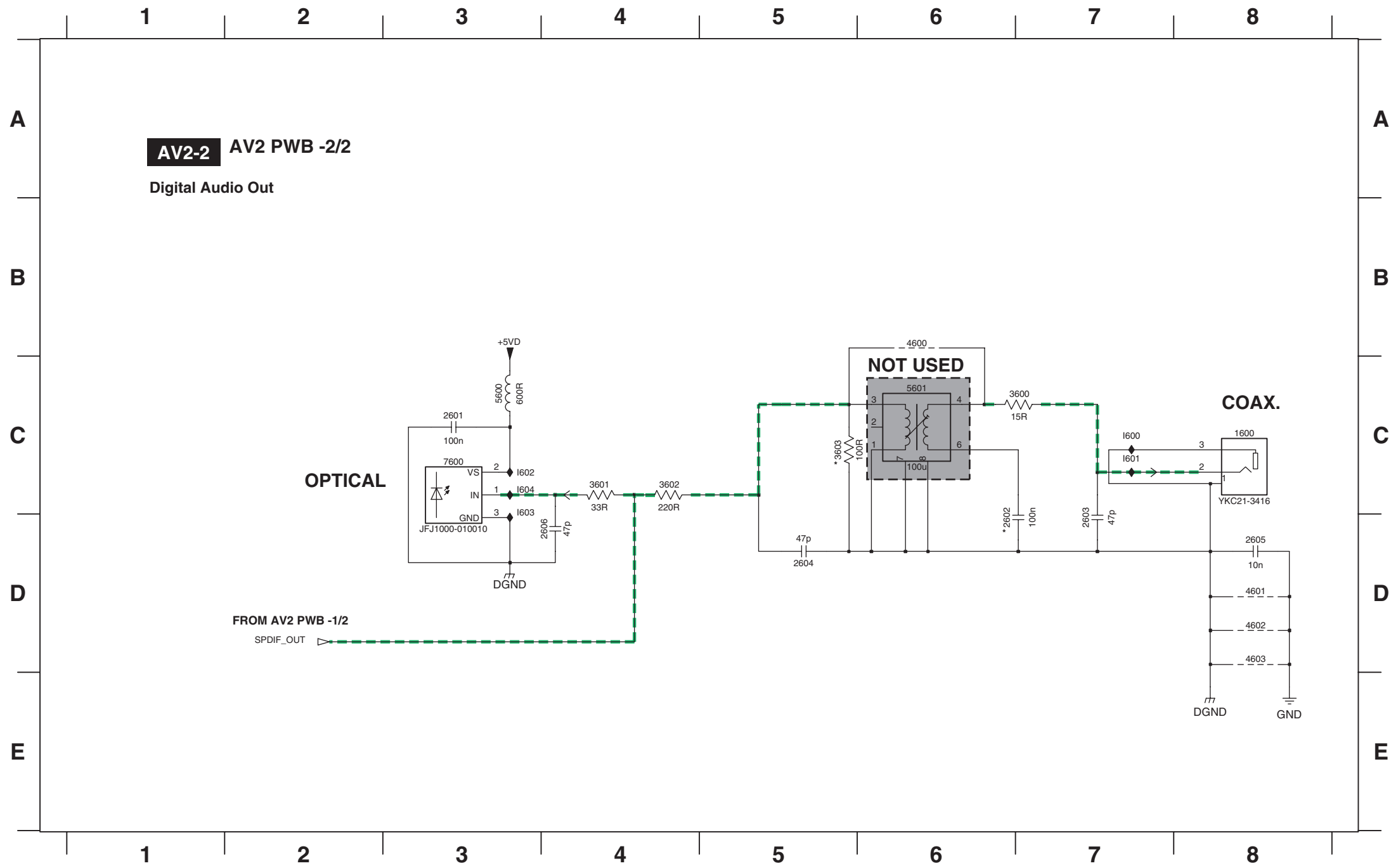
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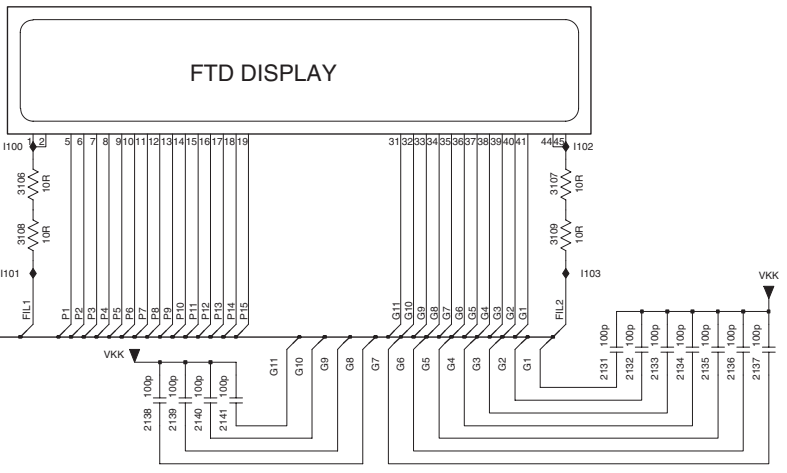
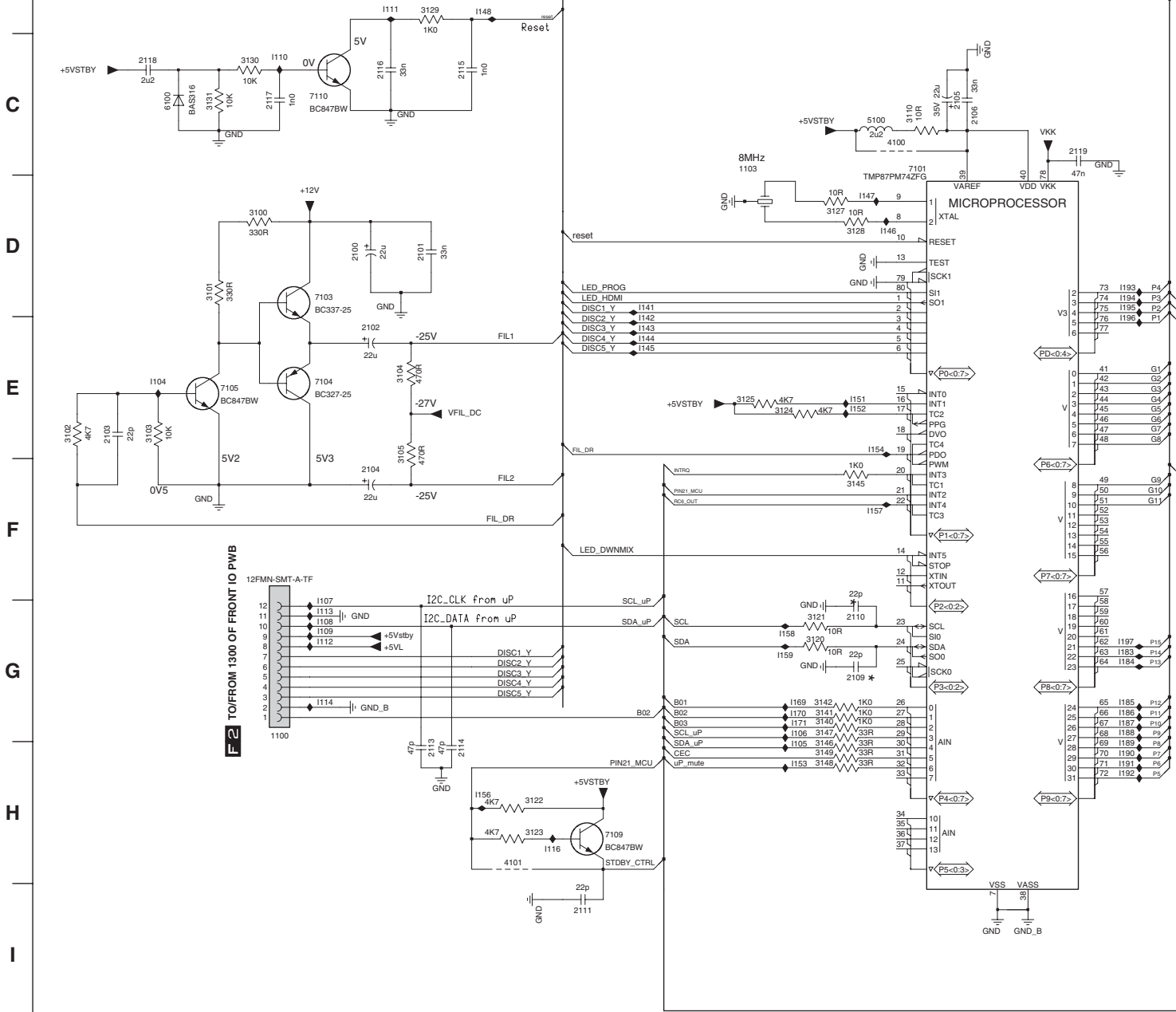
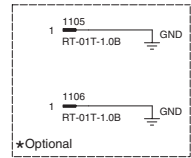


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- 2605 D8
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- 3601 C4
- 3602 C4
- 3603 C5
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- 4601 D8
- 4602 D8
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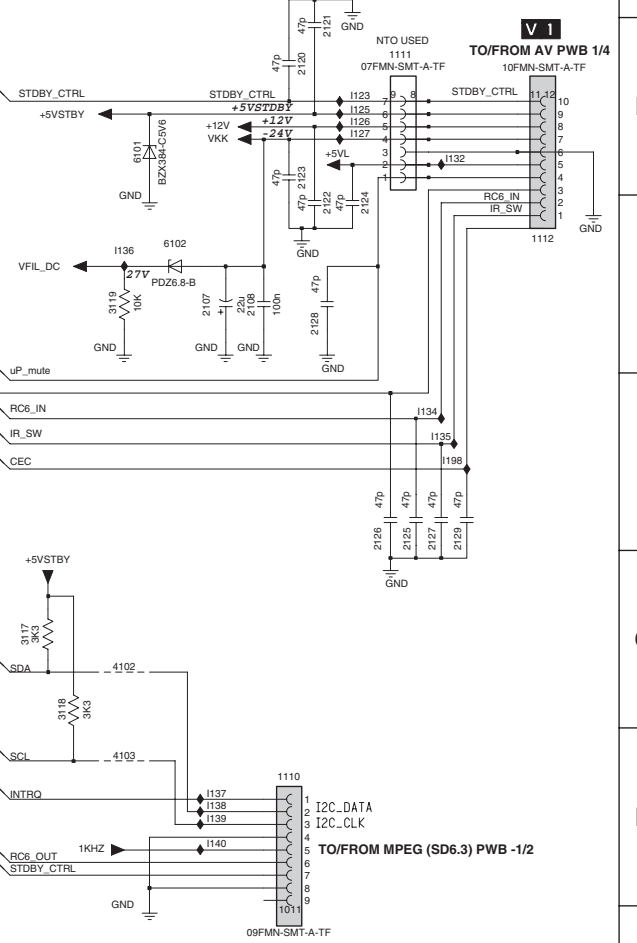
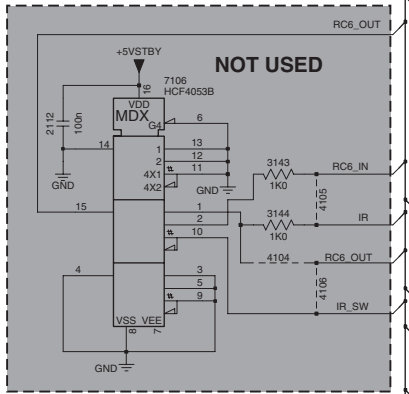
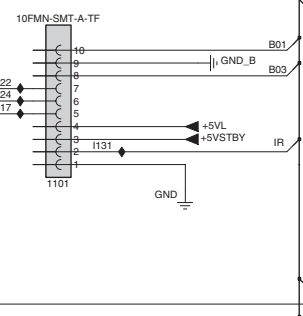
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F1 FRONT DISPLAY PWB

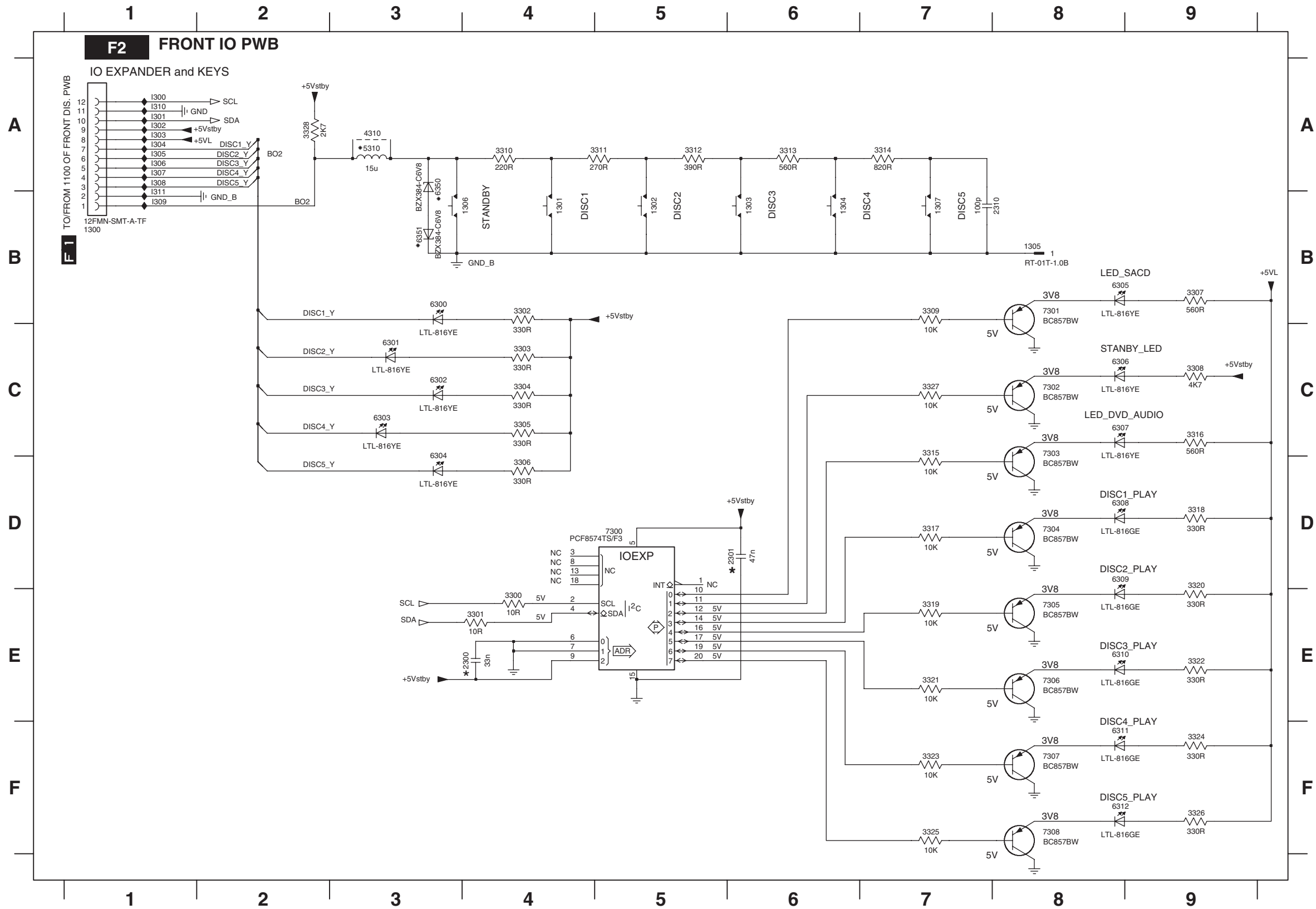
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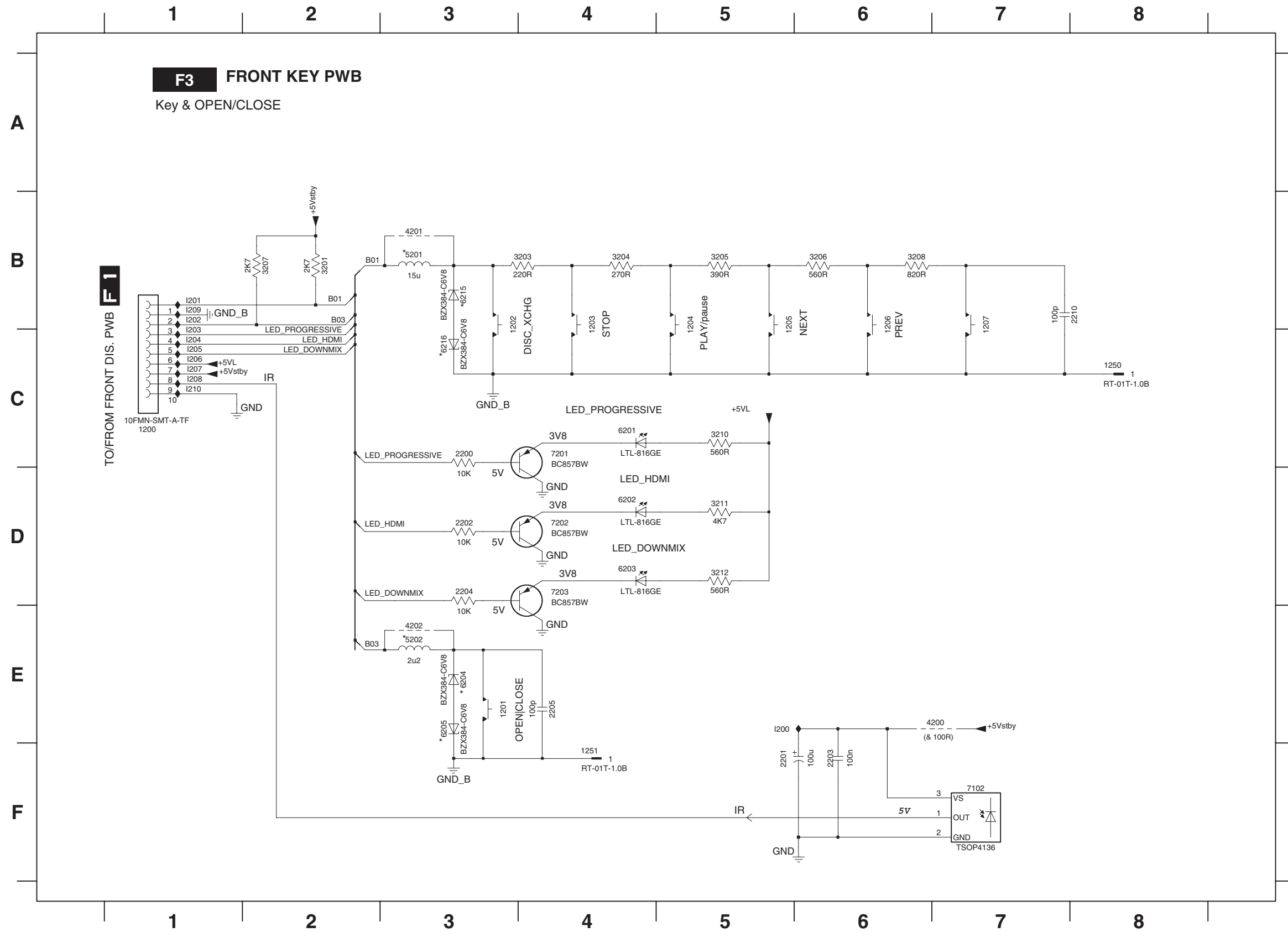
F3 TO/FROM 1200 OF FRONT KEY PWB



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1111 D13 1123 D13
1112 E14 1124 D9
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2104 F3 1132 D14
2105 C7 1134 F13
2106 C7 1135 F14
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2108 E12 1137 H12
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2116 C3 1145 E5
2117 C2 1146 D6
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2121 D13 1152 E6
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2135 B13 1186 G8
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2137 B14 1188 G8
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2139 C10 1190 H8
2140 C10 1191 H8
2141 C11 1192 H8
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3101 D2 1194 D8
3102 E1 1195 D8
3103 E1 1196 E8
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3123 H4
3124 E6
3125 E5
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3128 D6
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3131 C2
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3142 G6
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- 1307 B7
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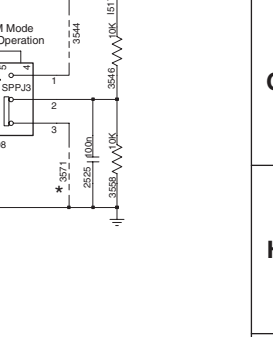
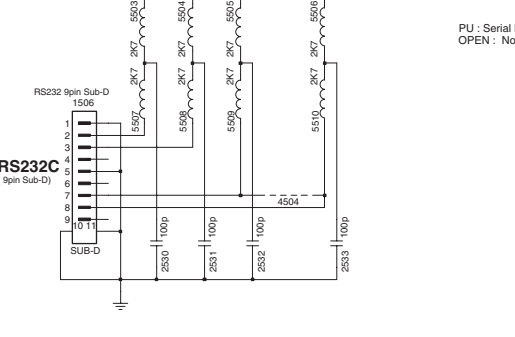
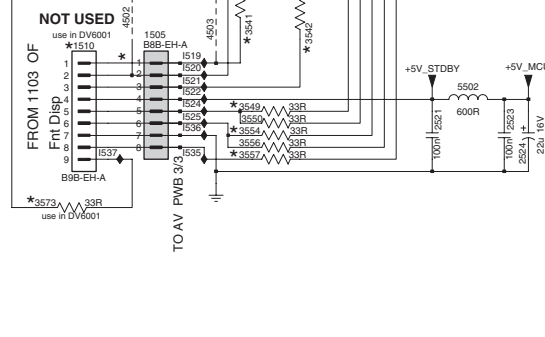
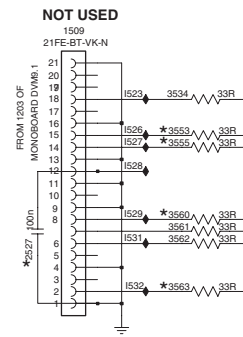
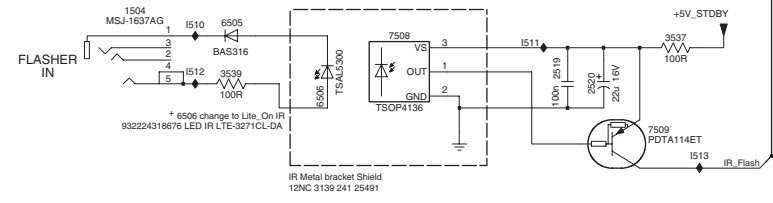
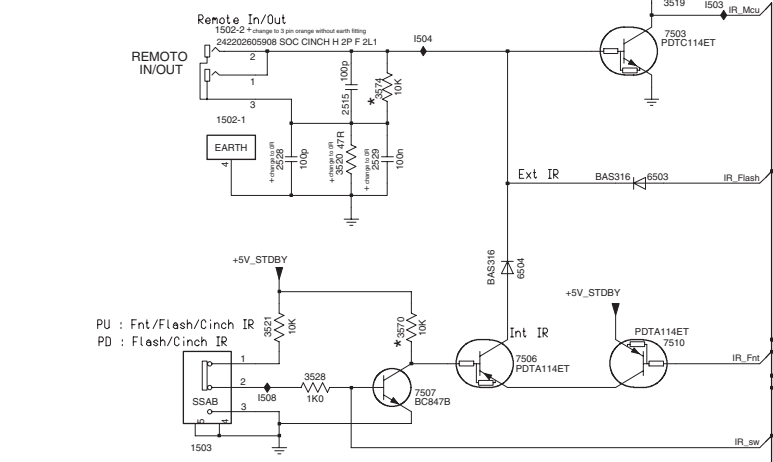
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- I202 B1
- I203 C1
- I204 C1
- I205 C1
- I206 C1
- I207 C1
- I208 C1
- I209 B1
- I210 C1

RS232 PWB

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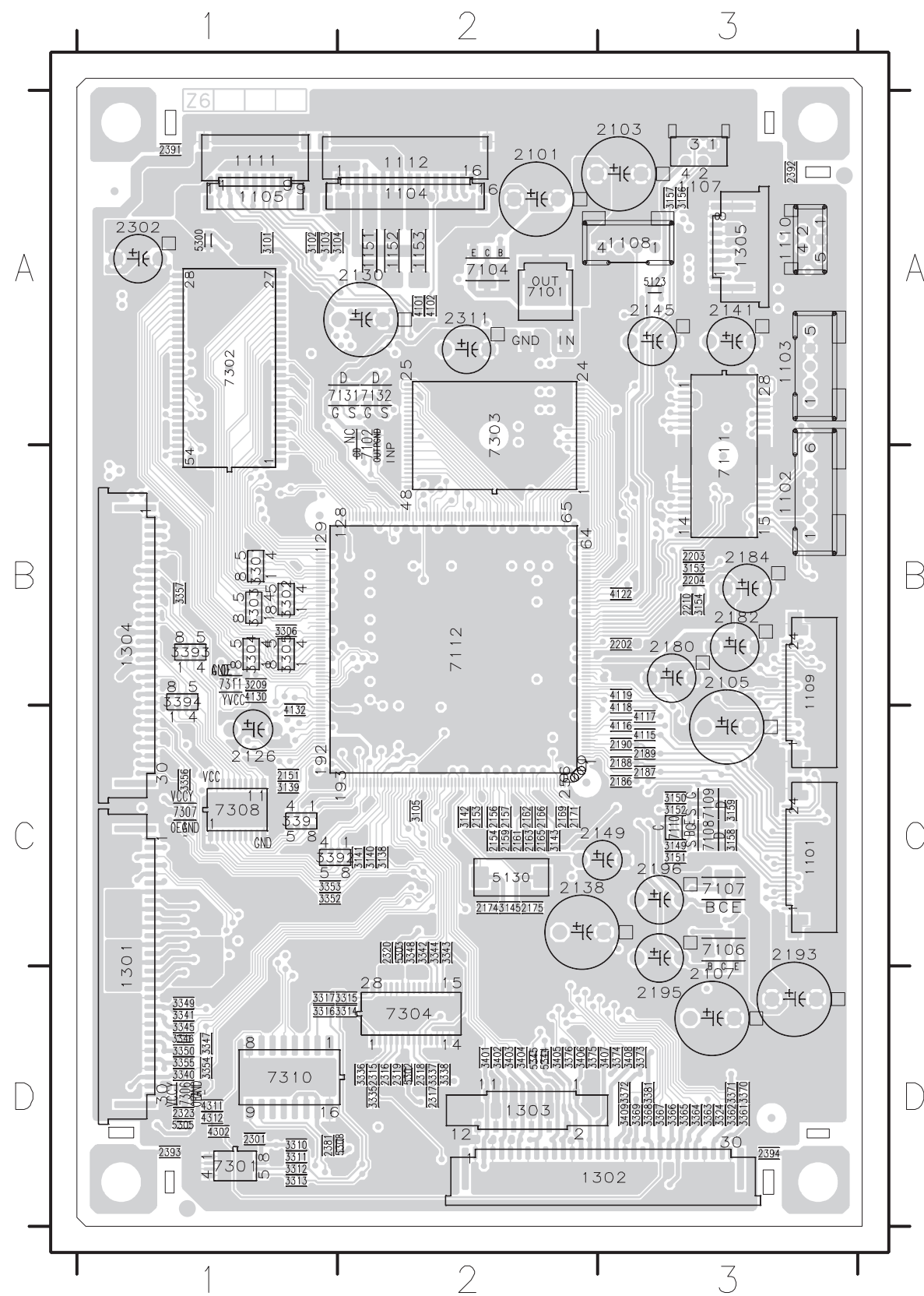
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- 2508 B6
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- 3529 E6
- 3530 E7
- 3531 E6
- 3532 E7
- 3533 E13
- 3534 G5
- 3535 E9
- 3536 E9
- 3537 E4
- 3539 F2
- 3541 G7
- 3542 G8
- 3544 G13
- 3549 G7
- 3550 G7
- 3553 G5
- 3554 G7
- 3555 G5
- 3556 G7
- 3557 G7
- 3558 H13
- 3560 H5
- 3561 H5
- 3562 H5
- 3563 H5
- 3568 E10
- 3569 E10
- 3570 D3
- 3571 H13
- 3572 E12
- 3573 H6
- 3574 C3
- 3575 E13
- 4502 G7
- 4503 G7
- 4504 H11
- 5501 C8
- 5502 G9
- 5503 G10
- 5504 G10
- 5505 G11
- 5506 G11
- 5507 G10
- 5508 G10
- 5509 G11
- 5510 G11
- 6501 A7
- 6502 B6
- 6503 C4
- 6504 D4
- 6505 E2
- 6506 F2
- 7501 A7
- 7502 B7
- 7503 C4
- 7504 E11
- 7505 D6
- 7506 D4
- 7507 E3
- 7508 E3
- 7509 F4
- 7510 D4
- 7511 A9
- 7512 A8
- 7513 B5
- 7514 C3
- 7515 D5
- 7516 D5
- 7517 E8
- 7518 E2
- 7519 E8
- 7520 E2
- 7521 E4
- 7522 F2
- 7523 G9
- 7524 G9
- 7525 H10
- 7526 F11
- 7527 G13
- 7528 G7
- 7529 G7
- 7530 H11
- 7531 G4
- 7532 G4
- 7533 H4
- 7534 H4
- 7535 F10
- 7536 E13
- 7537 G7
- 7538 G6



• Provision Not Stuffed
• RTR to implement

MPEG (SD6.3) PWB (A)

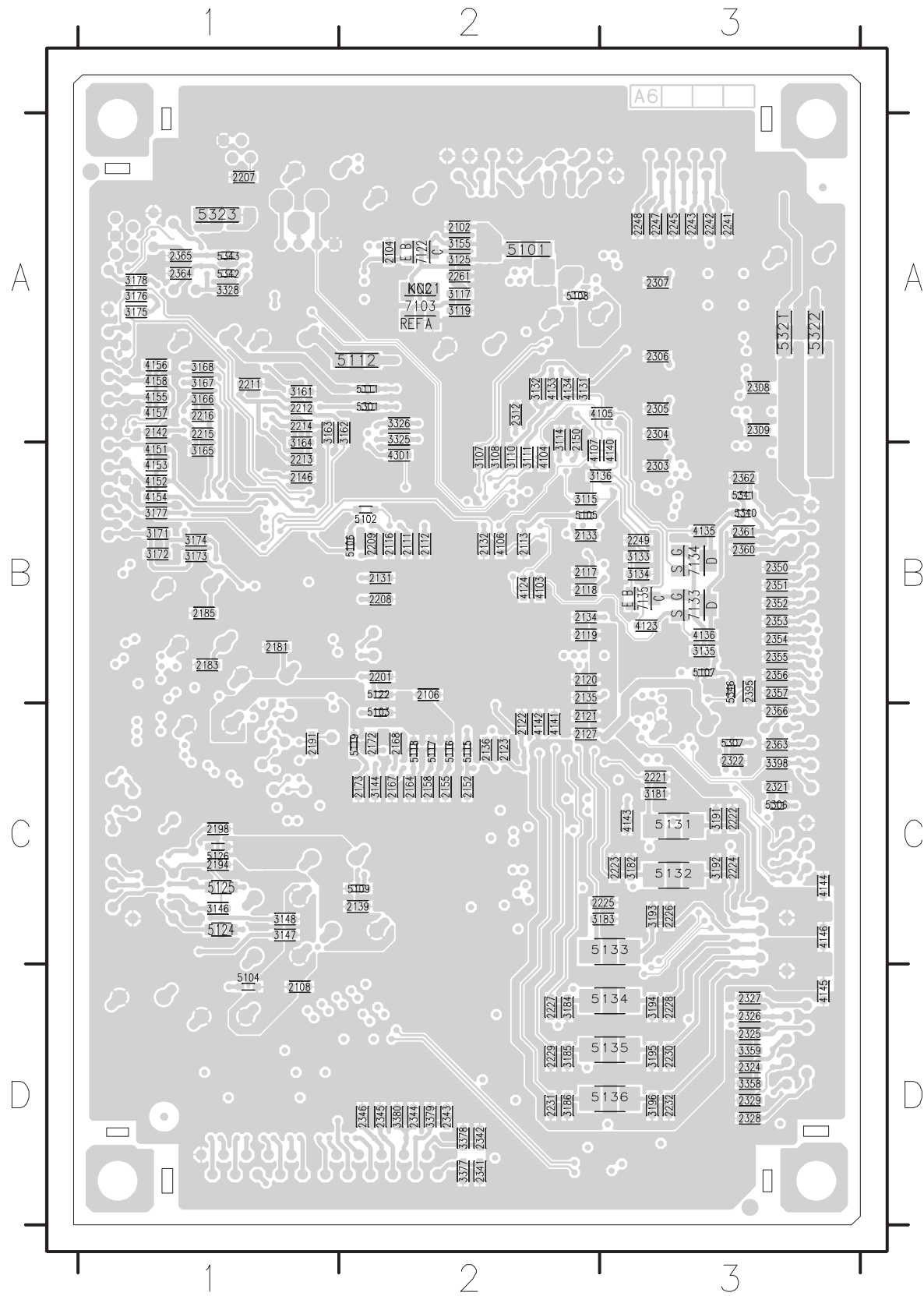
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1103	A3	2381	D1	3364	D3	7308	C1
1104	A2	2391	A1	3365	D3	7310	D1
1105	A1	2392	A3	3366	D3	7311	B1
1107	A3	2393	D1	3367	D3		
1108	A3	2394	D3	3368	D3		
1109	B3	3101	A1	3369	D3		
1110	A3	3102	A1	3370	D3		
1111	A1	3103	A1	3371	D3		
1112	A2	3104	A1	3372	D3		
1151	A2	3105	C2	3373	D3		
1152	A2	3138	C2	3374	D3		
1153	A2	3139	C1	3375	D2		
1301	D1	3140	C2	3376	D2		
1302	D3	3141	C2	3381	D3		
1303	D2	3142	C2	3391	C1		
1304	B1	3143	C2	3392	C1		
1305	A3	3145	C2	3393	B1		
2101	A2	3149	C3	3394	B1		
2103	A3	3150	C3	3401	D2		
2105	B3	3151	C3	3402	D2		
2107	D3	3152	C3	3403	D2		
2126	C1	3153	B3	3404	D2		
2130	A2	3154	B3	3405	D2		
2138	C2	3156	A3	3406	D2		
2141	A3	3157	A3	3407	D3		
2145	A3	3158	C3	3408	D3		
2149	C3	3159	C3	3409	D3		
2151	C1	3209	B1	4101	A2		
2153	C2	3301	B1	4102	A2		
2154	C2	3302	B1	4115	C3		
2156	C2	3303	B1	4116	C3		
2157	C2	3304	B1	4117	C3		
2159	C2	3305	B1	4118	C3		
2161	C2	3306	B1	4119	B3		
2162	C2	3310	D1	4122	B3		
2163	C2	3311	D1	4130	B1		
2165	C2	3312	D1	4132	C1		
2166	C2	3313	D1	4302	D1		
2169	C2	3314	D2	4311	D1		
2171	C2	3315	D2	4312	D1		
2174	C2	3316	D1	5123	A3		
2175	C2	3317	D1	5130	C2		
2180	B3	3324	D3	5300	A1		
2182	B3	3335	D2	5302	D2		
2184	B3	3336	D2	5303	C2		
2186	C3	3337	D2	5305	D1		
2187	C3	3338	D2	5308	D2		
2188	C3	3340	D1	5344	D2		
2189	C3	3341	D1	5345	D2		
2190	C3	3342	C2	7101	A2		
2193	C3	3343	C2	7102	A2		
2195	D3	3344	C2	7104	A2		
2196	C3	3345	D1	7106	C3		
2202	B3	3346	D1	7107	C3		
2203	B3	3347	D1	7108	C3		
2204	B3	3348	C2	7109	C3		
2210	B3	3349	D1	7110	C3		
2301	D1	3350	D1	7111	B3		
2302	A1	3352	C1	7112	B2		
2311	A2	3353	C1	7131	A2		
2315	D2	3354	D1	7132	A2		
2316	D2	3355	D1	7301	D1		
2317	D2	3356	C1	7302	A1		
2318	D2	3357	B1	7303	A2		
2319	D2	3361	D3	7304	D2		



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).

MPEG (SD6.3) PWB (B)



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

鉛フリー半田

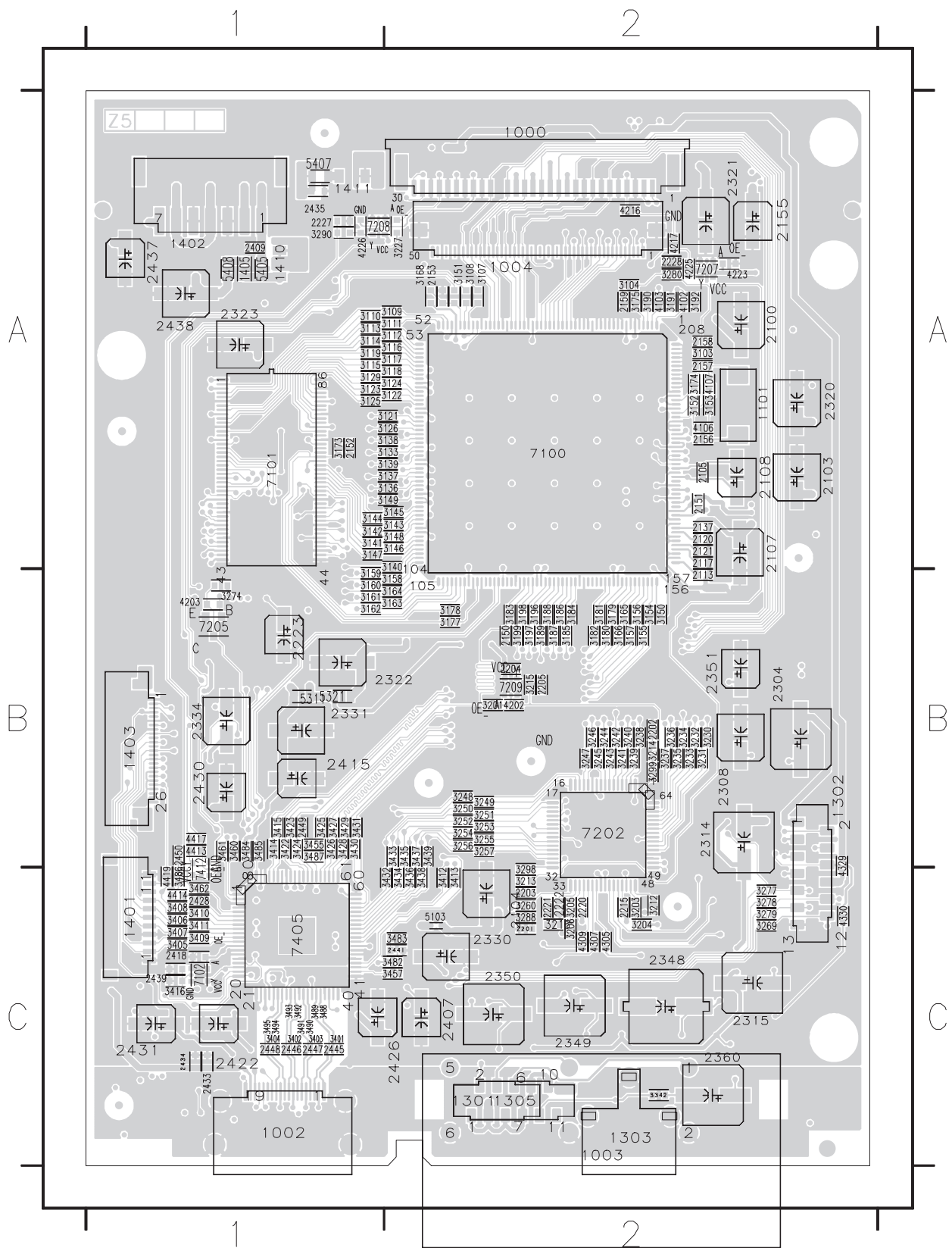
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

Lead-free Solder

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

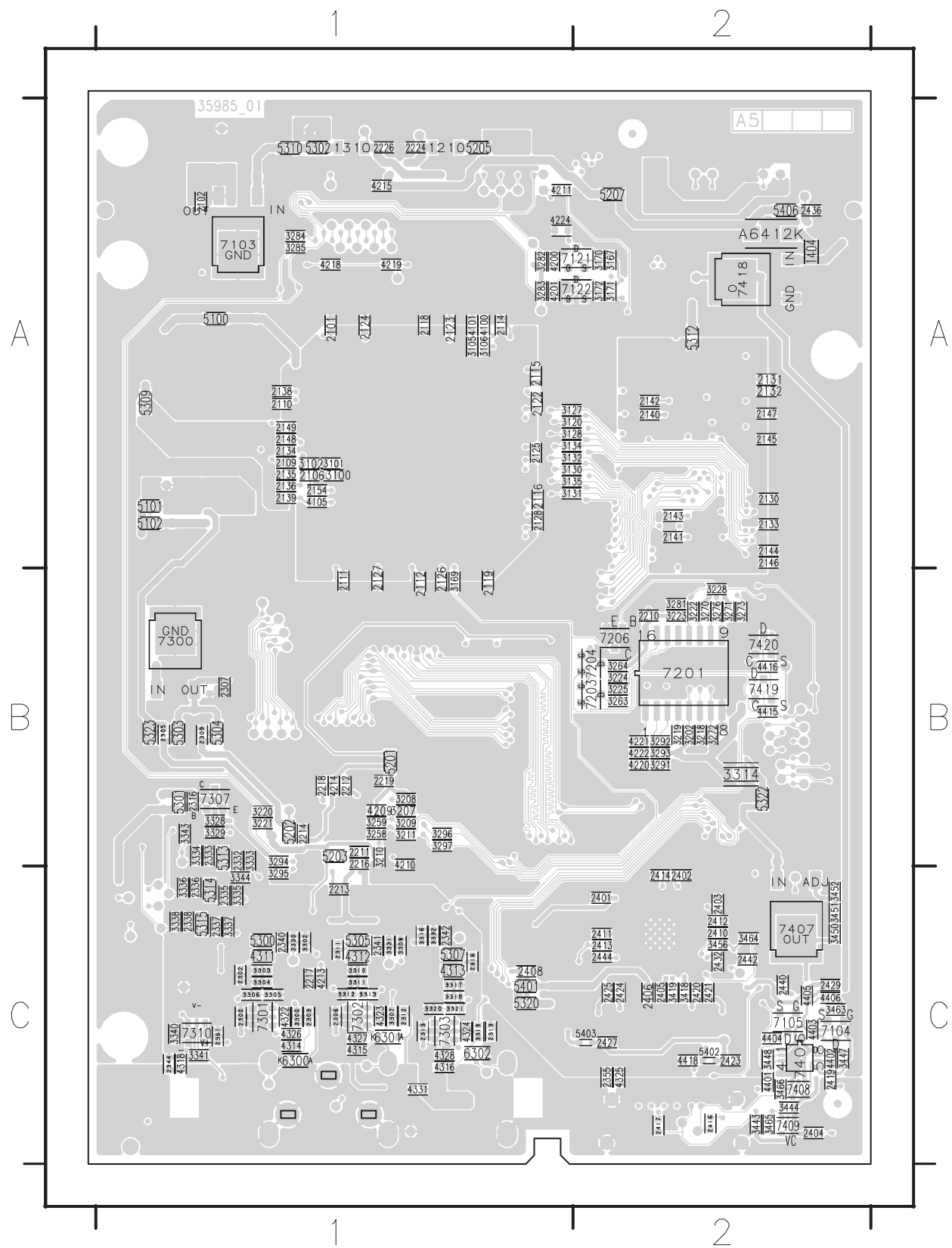
HDMI PWB (A)

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0004	C2
1001	A2
3002	B2
3003	C2
3005	C2
4001	C2
4002	A1
4003	A1
4005	A1
4010	A2
4011	A2
0003	A2
0004	A2
0005	A2
0007	A2
1133	A2
1200	A2
1201	A2
1202	A2
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1395	A2
1396	A2
1397	A2
1398	A2
1399	A2
1400	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
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HDMI PWB (B)

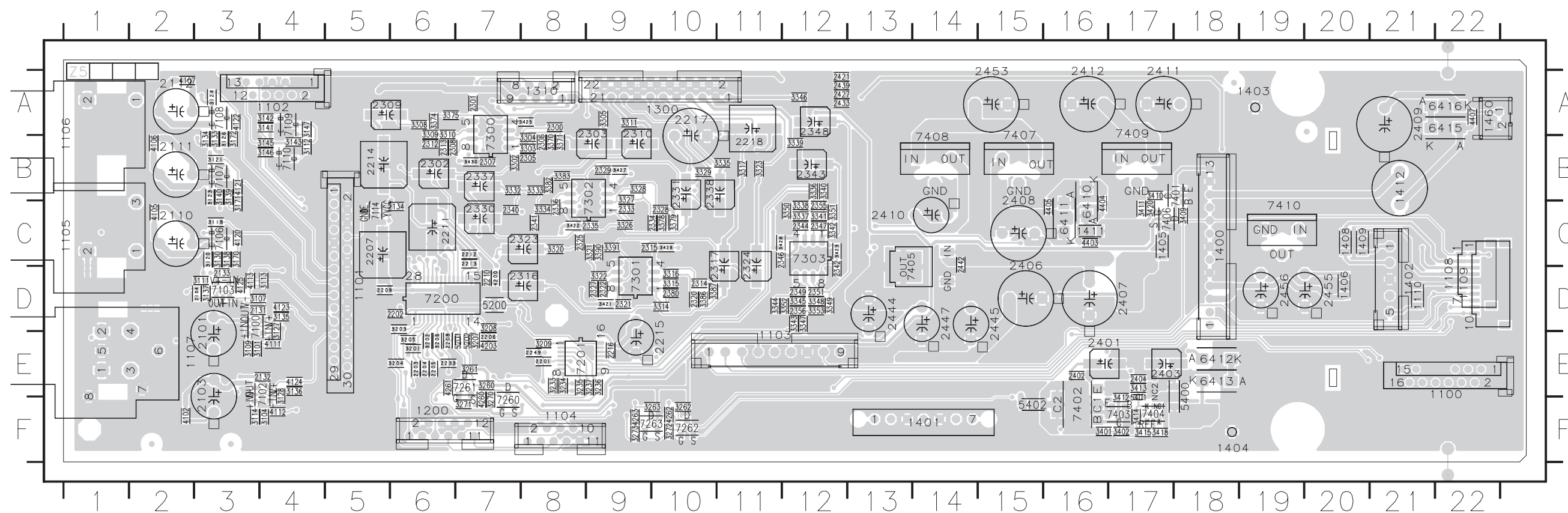


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1	A1	2619	1	CC2
1	A1	2620	1	CC2
1	A1	2621	1	CC2
1	A1	2622	1	CC2
1	A1	2623	1	CC2
1	A1	2624	1	CC2
1	A1	2625	1	CC2
1	A1	2626	1	CC2
1	A1	2627	1	CC2
1	A1	2628	1	CC2
1	A1	2629	1	CC2
1	A1	2630	1	CC2
1	A1	2631	1	CC2
1	A1	2632	1	CC2
1	A1	2633	1	CC2
1	A1	2634	1	CC2
1	A1	2635	1	CC2
1	A1	2636	1	CC2
1	A1	2637	1	CC2
1	A1	2638	1	CC2
1	A1	2639	1	CC2
1	A1	2640	1	CC2
1	A1	2641	1	CC2
1	A1	2642	1	CC2
1	A1	2643	1	CC2
1	A1	2644	1	CC2
1	A1	2645	1	CC2
1	A1	2646	1	CC2
1	A1	2647	1	CC2
1	A1	2648	1	CC2
1	A1	2649	1	CC2
1	A1	2650	1	CC2
1	A1	2651	1	CC2
1	A1	2652	1	CC2
1	A1	2653	1	CC2
1	A1	2654	1	CC2
1	A1	2655	1	CC2
1	A1	2656	1	CC2
1	A1	2657	1	CC2
1	A1	2658	1	CC2
1	A1	2659	1	CC2
1	A1	2660	1	CC2
1	A1	2661	1	CC2
1	A1	2662	1	CC2
1	A1	2663	1	CC2
1	A1	2664	1	CC2
1	A1	2665	1	CC2
1	A1	2666	1	CC2
1	A1	2667	1	CC2
1	A1	2668	1	CC2
1	A1	2669	1	CC2
1	A1	2670	1	CC2
1	A1	2671	1	CC2
1	A1	2672	1	CC2
1	A1	2673	1	CC2
1	A1	2674	1	CC2
1	A1	2675	1	CC2
1	A1	2676	1	CC2
1	A1	2677	1	CC2
1	A1	2678	1	CC2
1	A1	2679	1	CC2
1	A1	2680	1	CC2
1	A1	2681	1	CC2
1	A1	2682	1	CC2
1	A1	2683	1	CC2
1	A1	2684	1	CC2
1	A1	2685	1	CC2
1	A1	2686	1	CC2
1	A1	2687	1	CC2
1	A1	2688	1	CC2
1	A1	2689	1	CC2
1	A1	2690	1	CC2
1	A1	2691	1	CC2
1	A1	2692	1	CC2
1	A1	2693	1	CC2
1	A1	2694	1	CC2
1	A1	2695	1	CC2
1	A1	2696	1	CC2
1	A1	2697	1	CC2
1	A1	2698	1	CC2
1	A1	2699	1	CC2
1	A1	2700	1	CC2

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).

AV PWB (A)

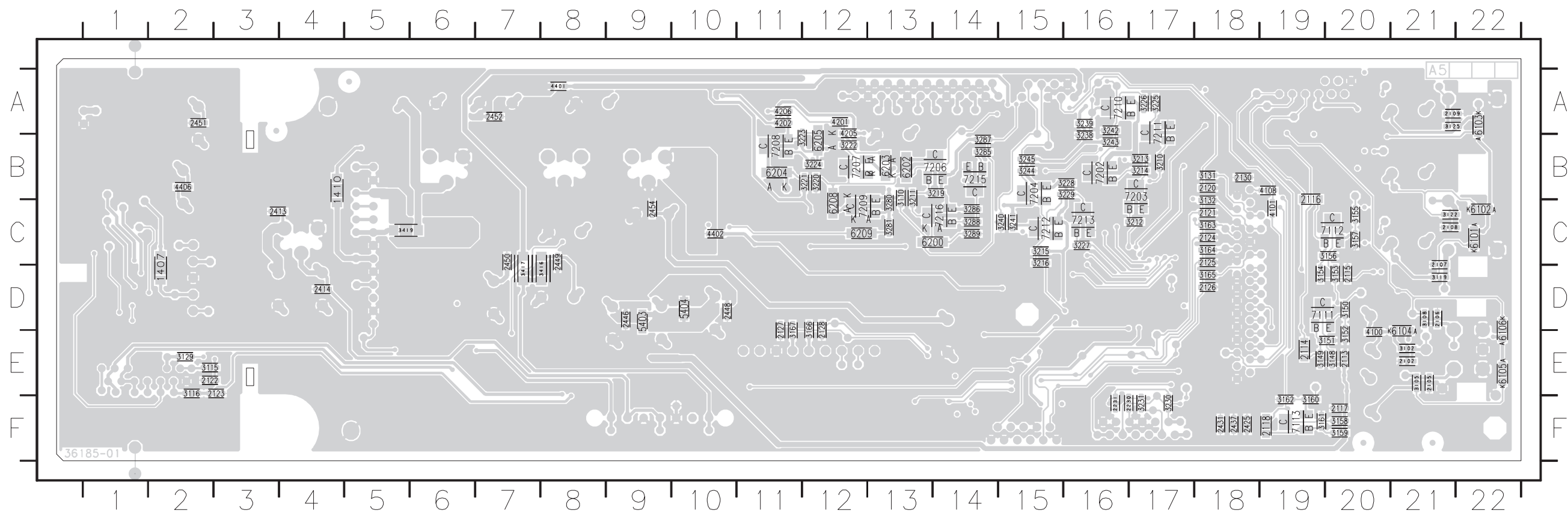
1100	E22	1409	C20	2209	D5	2312	B6	2338	B10	2410	C13	3118	C3	3147	A4	3270	F7	3328	B9	3352	D12	3415	F17	4124	E4	6415	A22	7402	F16
1101	D5	1411	C16	2210	D7	2313	B6	2340	C7	2411	A17	3120	C3	3170	C3	3271	F7	3329	B10	3353	D12	3418	F17	4125	D3	6416	A22	7403	F17
1102	A4	1412	B21	2211	C6	2314	D10	2341	C8	2412	A16	3121	B3	3171	C3	3272	F10	3332	B7	3370	B8	3420	C17	4200	D7	7100	D3	7404	F17
1103	E11	1460	A22	2212	C7	2315	C9	2342	D12	2421	A12	3123	B3	3172	B3	3273	F9	3333	B8	3371	B8	3421	D9	4203	E7	7102	E4	7405	D13
1104	F8	2101	E3	2213	C7	2316	D8	2343	B12	2427	A12	3124	A3	3201	E6	3302	B7	3334	C8	3374	A6	3422	C8	4260	F7	7103	D3	7406	C17
1105	C1	2103	E3	2214	B5	2317	C10	2344	C12	2433	A12	3126	B3	3202	E6	3303	B8	3335	B11	3375	A6	3423	C12	4261	E6	7106	C3	7407	A15
1106	A1	2104	D3	2215	F10	2320	D10	2346	C11	2439	A12	3127	D4	3203	D6	3304	B8	3336	B12	3378	C10	3425	A8	4262	F10	7107	B3	7408	B14
1107	E2	2110	C2	2216	F9	2321	D9	2347	C12	2442	C14	3128	E4	3204	E6	3305	A9	3337	C12	3379	C10	3426	C10	4263	F9	7108	A3	7409	A17
1108	D22	2111	B2	2217	A10	2322	D9	2348	A12	2444	D13	3130	C3	3205	E6	3308	A6	3338	C12	3382	B8	3427	B9	4403	C16	7109	A4	7410	C19
1109	D22	2112	A2	2218	B11	2323	C8	2349	D12	2445	D15	3133	B3	3206	E6	3309	A6	3339	B12	3383	B8	3428	C11	4404	C16	7110	B4		
1110	D21	2131	D3	2233	F6	2324	C11	2351	D12	2447	D14	3134	B3	3207	E7	3310	A6	3340	B12	3386	D10	3430	B7	4405	C16	7114	C5		
1200	F6	2132	E4	2249	F8	2325	C8	2355	C12	2453	A15	3135	D4	3208	D7	3311	A9	3341	C12	3387	D10	4102	F2	4407	A22	7200	D6		
1300	A10	2133	D3	2300	A8	2327	D9	2356	D12	2455	D20	3136	F4	3209	F8	3314	D10	3342	C12	3390	C9	4105	C2	5200	D7	7201	E8		
1310	A8	2134	C6	2301	A7	2328	C10	2380	D10	2456	D19	3137	D3	3233	E8	3315	D10	3343	D12	3391	C9	4106	B2	5201	E7	7260	F7		
1400	C18	2201	E8	2302	B6	2329	B9	2401	E16	3101	E3	3138	C3	3234	E8	3316	D10	3344	D11	3401	F16	4107	A2	5202	E7	7261	E7		
1401	F14	2202	D6	2303	A9	2330	C7	2402	F16	3104	F4	3139	B3	3235	E8	3317	B11	3345	D12	3402	F17	4111	E4	5400	F18	7262	F10		
1402	D21	2203	E6	2305	B8	2331	B10	2403	E17	3107	D3	3140	B3	3236	E9	3320	C8	3346	A12	3409	C18	4112	F4	5401	F17	7263	F9		
1403	A19	2204	E6	2306	B8	2333	C9	2404	E17	3109	E3	3141	A4	3237	E9	3321	C9	3347	D12	3410	B17	4113	D3	5402	F15	7300	A7		
1404	F18	2205	E6	2307	B7	2334	C10	2406	C15	3111	D3	3142	A4	3260	E7	3322	D9	3348	D12	3411	C17	4120	C3	6410	C16	7301	D9		
1405	C17	2206	F7	2308	B6	2335	C9	2407	D17	3112	B4	3143	B4	3261	E7	3323	B11	3349	D12	3412	F17	4121	B3	6411	C16	7302	B9		
1406	D20	2207	C5	2309	A5	2336	C8	2408	B15	3113	D4	3145	B4	3262	F10	3326	C9	3350	C12	3413	E17	4122	A3	6412	E18	7303	C12		
1408	C20	2208	E6	2310	A9	2337	B7	2409	A21	3114	F3	3146	B4	3263	F10	3327	B9	3351	C12	3414	F17	4123	D4	6413	E18	7401	B18		



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
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AV PWB (B)

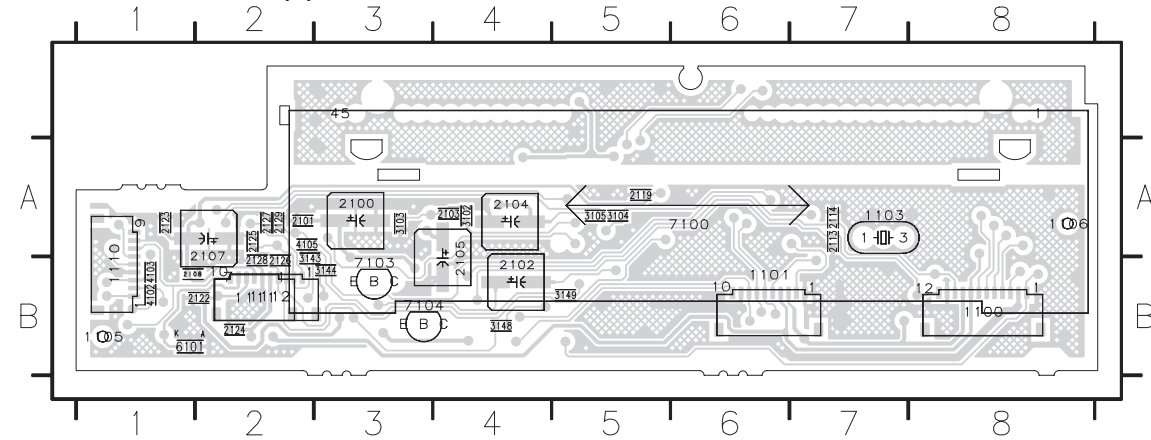
1407 D2	2115 D20	2126 D18	2437 F18	3108 D21	3148 E20	3158 F20	3210 B17	3222 B12	3238 B16	3285 B14	4108 B19	6101 C22	6205 B12	7207 B12
1410 B4	2116 B19	2127 E11	2446 D9	3110 B13	3149 E19	3159 F20	3211 B13	3223 B12	3239 A16	3286 C14	4201 A12	6102 C22	6208 C12	7208 B11
2102 E21	2117 F20	2128 D12	2448 D10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



鉛フリー半田
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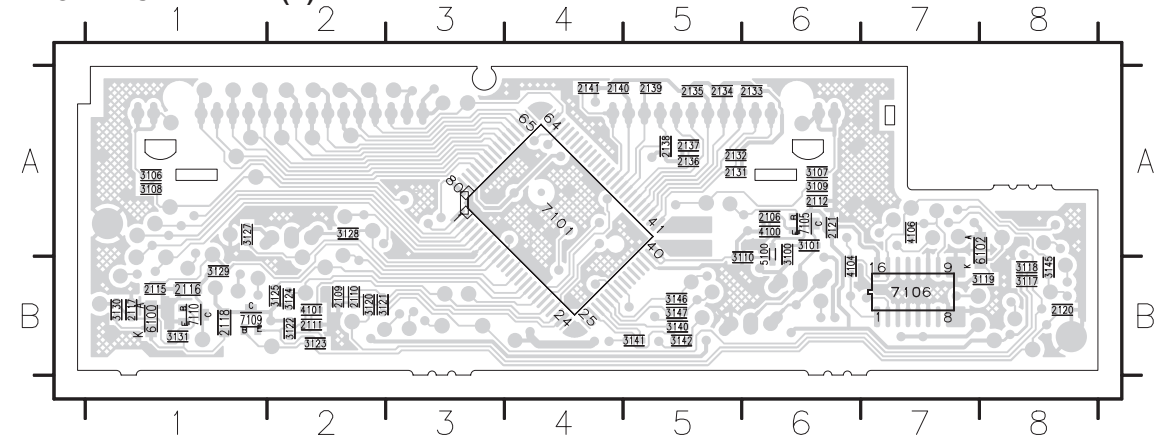
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

FRONT DISPLAY PWB (A)



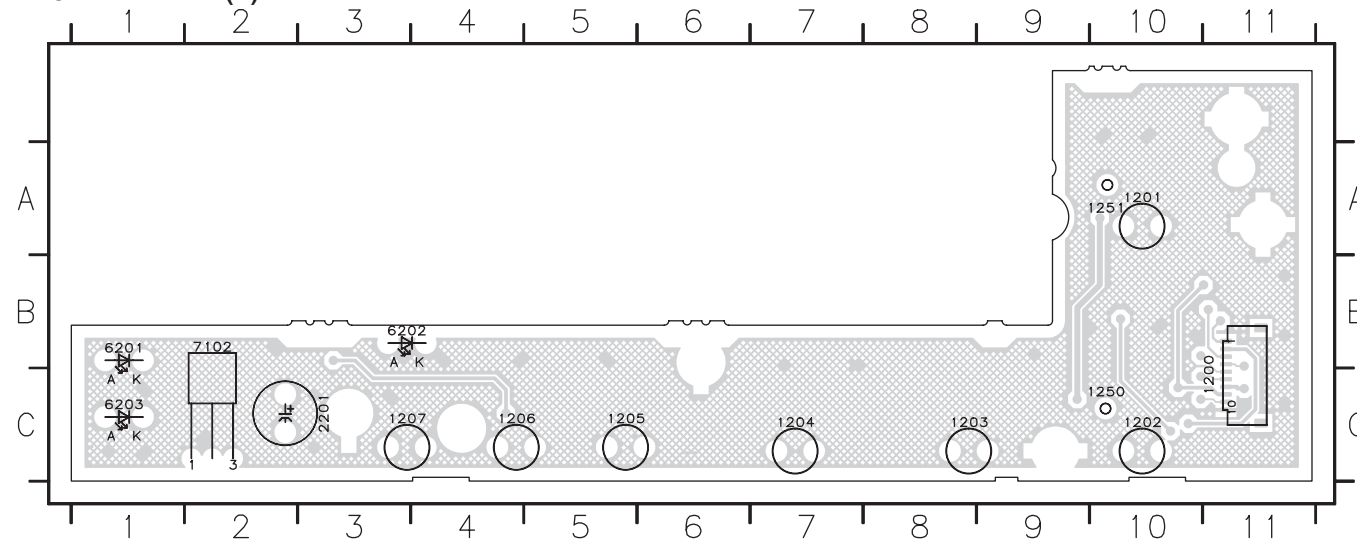
1100	B8	2126	B2
1101	B6	2127	A2
1103	A7	2128	B2
1105	B1	2129	A2
1106	A8	3102	A4
1110	B1	3103	A3
1111	B2	3104	A5
1112	B2	3105	A5
2100	A3	3143	B2
2101	A2	3144	B3
2102	B4	3148	B4
2103	A4	3149	B5
2104	A4	4102	B1
2105	B4	4103	B1
2107	A2	4105	A2
2108	B1	6101	B1
2113	A7	7100	A6
2114	A7	7103	B3
2119	A5	7104	B3
2122	B2		
2123	A1		
2124	B2		
2125	A2		

FRONT DISPLAY PWB (B)



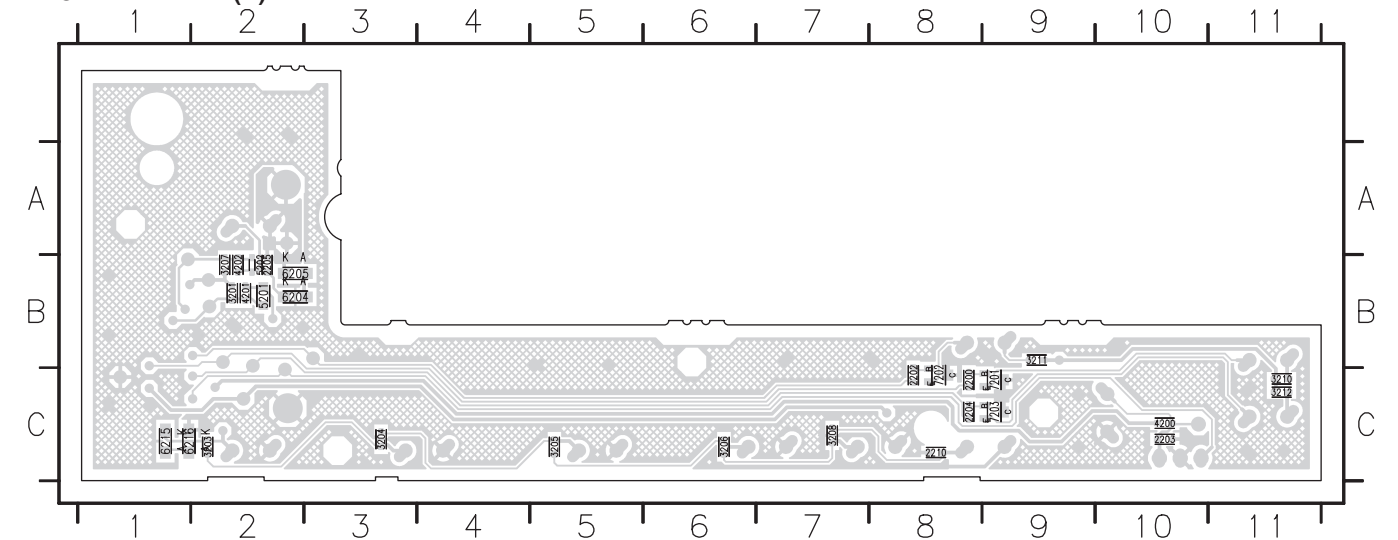
2106	A6	3101	A6	3145	B8
2109	B2	3106	A1	3146	B5
2110	B2	3107	A6	3147	B5
2111	B2	3108	A1	4100	A6
2112	A6	3109	A6	4101	B2
2115	B1	3110	B6	4104	B6
2116	B1	3117	B8	4106	A7
2117	B1	3118	B8	5100	A6
2118	B1	3119	B8	6100	B1
2120	B8	3120	B2	6102	A8
2121	A6	3121	B2	7101	A4
2131	A5	3122	B2	7105	A6
2132	A5	3123	B2	7106	B7
2133	A6	3124	B2	7109	B1
2134	A5	3125	B2	7110	B1
2135	A5	3127	A1		
2136	A5	3128	A2		
2137	A5	3129	B1		
2138	A5	3130	B1		
2139	A5	3131	B1		
2140	A4	3140	B5		
2141	A4	3141	B5		
3100	A6	3142	B5		

FRONT KEY PWB (A)



1200	C11
1201	A10
1202	C10
1203	C8
1204	C7
1205	C5
1206	C4
1207	C3
1250	C10
1251	A10
2201	C3
6201	B1
6202	B3
6203	C1
7102	B2

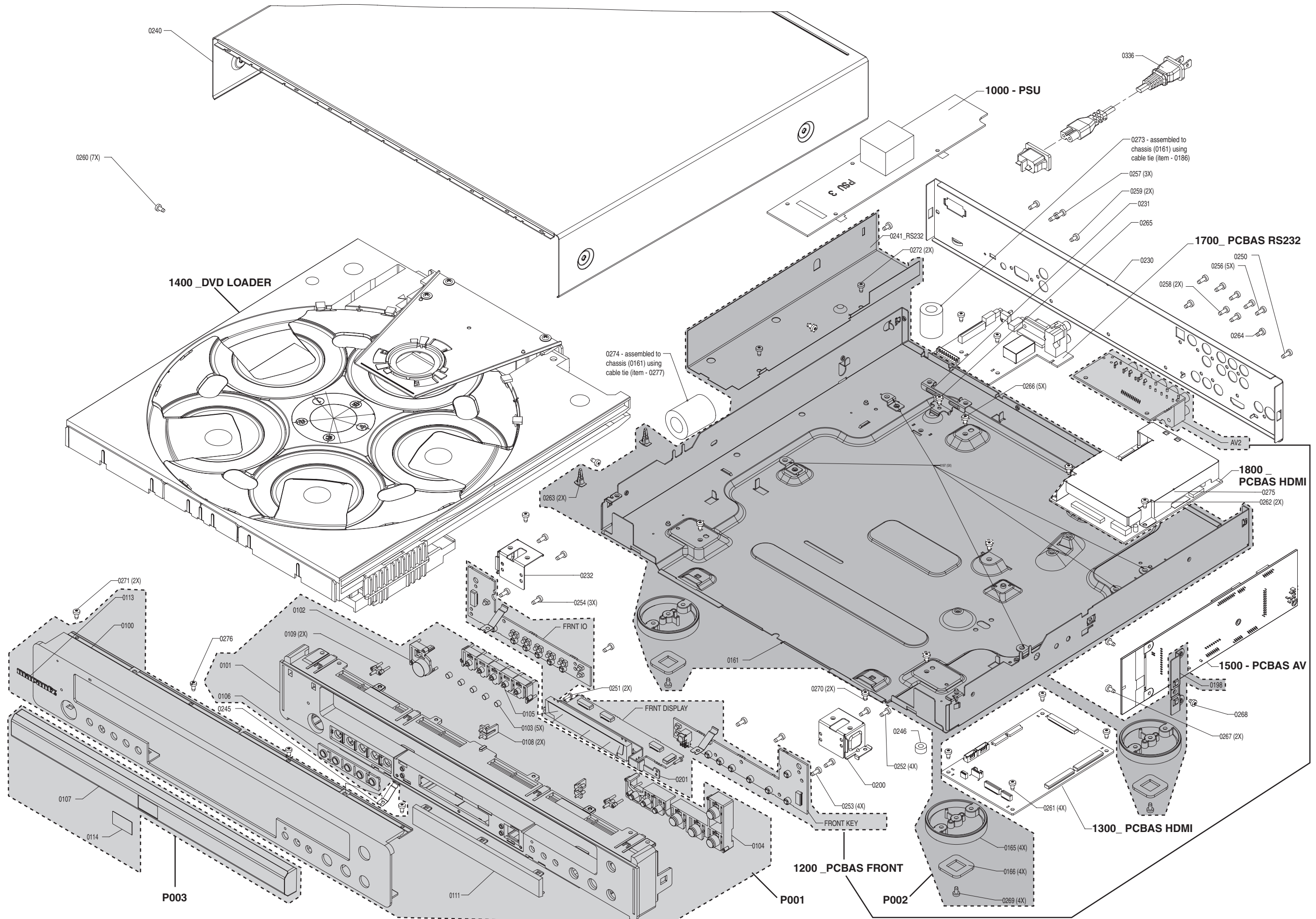
FRONT KEY PWB (B)




2200	C8
2202	C8
2203	C10
2204	C8
2205	B2
2210	C8
3201	B2
3203	C2
3204	C3
3205	C5
3206	C6
3207	B2
3208	C7
3210	C11
3211	B9
3212	C11
4200	C10
4201	B2
4202	B2
5201	B2
5202	B2
6204	B2
6205	B2
6215	C1
6216	C1
7201	C9
7202	C8
7203	C9

鉛フリー半田
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Lead-free Solder
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13. EXPLODED VIEW AND PARTS LIST



P.W.B. NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION	
	P001			00M19CW248540	FRONT ASSY	CAB FRONT ASSY MDVC6001B	314107941501
	P002			00M19CW105540	CHASSIS	FRAME ASSY MDVC6001B	314107941511
	P003			00M18CW063500	ESCUTCHEON	TRAY COVER+BADGE SACD	314107941841
	0107			00M18CW063010	ESCUTCHEON	TRAY COVER VC6001 BL	313924415151
	0114			nsp	BADGE	BADGE SUPER AUDIO CD	313924607291
	0200			nsp	BRACKET	BRACKET SUPPORT LEFT VC6001	313924126001
	0201			nsp	BRACKET	BRACKET MIDDLE PCB DVD C750	313924121991
	0230			nsp	PANEL	PLATE REAR VC6001	313924125981
	0232			nsp	BRACKET	BRACKET SUPPORT RIGHT VC6001	313924126011
	0246			nsp	RING	RUBBER RING DVD-S550	313924405811
	1000			90M-ZZ004480R	PWB ASSY	PSU 06P25 WR 0613D0622 LIS	313924713182
	1200			90M-ZZ004490R	PWB ASSY	PCBAS FRONT (+AV2) VC6001	313924851091
	1300			90M-ZZ004500R	PWB ASSY	PCBAS MPEG VC6001	313924851221
	1400			00MZK18CW0010	MECHANISM	MOD SD5.5 - KHM313	313924713121
	1500			90M-ZZ004510R	PWB ASSY	PCBAS AV VC6001	313924851101
	1700			90M-ZZ004300R	PWB ASSY	PCBAS MEM RS232 DV6001	313924851371
	1800			90M-ZZ004520R	PWB ASSY	PCBAS HDMI 1080P VC6001	313924851451
	8102			90M-YU002850R	FPC	FFC FOIL 12P/280/12P AD 1MMP	313924100771
	8103			90M-YU002860R	FPC	FFC FOIL 10P/340/10P BD 1MMP	313924100651
	8200			nsp	CORD	CBLE PH 13P/560/13P PH 26ST BK	313924102711
	8201			nsp	CORD	CBLE HR 05P/480/05P HR 26OS BK	313911038841
	8500			90M-YU002870R	FPC	FFC FOIL 10P/400/10P BD 1MMP	313924100781
	8502			90M-YU002880R	FPC	FFC FOIL 22P/180/22P BD 1MMP	313911035631
	8503			nsp	CORD	CBLE MIS 08P/480/08P MIS 26OS	313911101841
	8505			90M-YU002890R	FPC	FFC FOIL 13P/220/13P AD 1MMP	313911102411
	8506			90M-YU002760R	FPC	FFC FOIL 11P/100/11P BD 1MMP	313924103061
	8508			90M-YU002900R	FPC	FFC FOIL 09P/180/09P BD 1MMP	313924100891
	8600			90M-YU002910R	FPC	FFC FOIL 09P/340/09P AD 1MMP	313911103811
	8601			90M-YU002920R	FPC	FFC FOIL 30P/180/30P BD 1MMP	313924100421
	8602			90M-YU002930R	FPC	FFC FOIL 16P/140/16P BD 1MMP	313911034811
	8603			90M-YU002940R	FPC	FFC FOIL 12P/180/12P AD 1.0MMP	313911102181
	8606			90M-YU002920R	FPC	FFC FOIL 30P/180/30P BD 1MMP	313924100421
	 8607			90M-YT005170R	TERMINAL	CBLE MAINS ASSY 140MM	313924101731
PACKING							
	0333			00MZK20CW0010	UNIT KIT	REMOTE CONTR RC-001DV B	242254901284
	 0336			90M-ZC000620R	MAINS CORD	MAINS CORD UL 7A 1M5 DET 2P B	242207000106
	0350			00M18CW851250	USER GUIDE	USER MANUAL VC6001 U	313924526101
NOT STANDARD SPARE PART							
	0240			00M18CW257010	LID	COVER TOP VC6001	313924126051
	0338			90M-ZD000610R	CONN. CORD	CBLE CINCH 1M5 CINCH RDYEWB B	242207600718
	0339			90M-ZD000620R	CONN. CORD	CBLE CINCH 1M5 CINCH 1P OG B	242207600855
	0450			00M18CW801010	PACKING CASE	CARTON BOX- VC6001	313924628321
	0457			00M18CW809010	CUSHION	BUFFER L AND R - VC6001	313924628331

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