

Service Manual

DV9600 /F N/K1G/L1G/S1G
/F B/U1B
/N1S
Super Audio CD / DVD Player

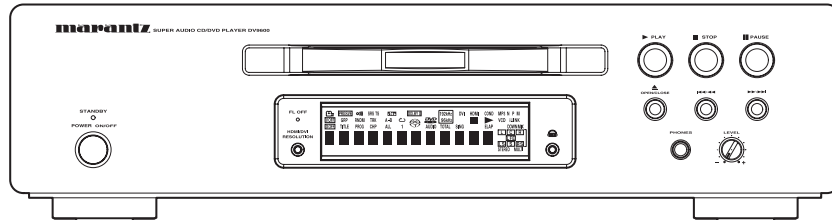


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Please use this service manual with referring to the user guide (D.F.U.) without fail.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

DV9600

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
1100 MAPLEWOOD DRIVE
ITASCA, IL. 60143
USA
PHONE : 630 - 741 - 0300
FAX : 630 - 741 - 0301

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

AUSTRALIA

QualiFi Pty Ltd,
24 LIONEL ROAD,
MT. WAVERLEY VIC 3149
AUSTRALIA
PHONE : +61 - (0)3 - 9543 - 1522
FAX : +61 - (0)3 - 9543 - 3677

THAILAND

MRZ STANDARD CO., LTD
746 - 754 MAHACHAI ROAD.,
WANGBURAPAPIROM, PHRANAKORN,
BANGKOK, 10200 THAILAND
PHONE : +66 - 2 - 222 9181
FAX : +66 - 2 - 224 6795

SINGAPORE

WO KEE HONG DISTRIBUTION PTE LTD
No.1 JALAN KILANG TIMOR
#08-03 PACIFIC TECH CENTRE
SINGAPORE 159303
PHONE : +65 6376 0338
FAX : +65 6376 0166

NEW ZEALAND

WILDASH AUDIO SYSTEMS NZ
14 MALVERN ROAD MT ALBERT
AUCKLAND NEW ZEALAND
PHONE : +64 - 9 - 8451958
FAX : +64 - 9 - 8463554

TAIWAN

PAI- YUING CO., LTD.
6 TH FL NO, 148 SUNG KIANG ROAD,
TAIPEI, 10429, TAIWAN R.O.C.
PHONE : +886 - 2 - 25221304
FAX : +886 - 2 - 25630415

MALAYSIA

WO KEE HONG ELECTRONICS SDN. BHD.
2ND FLOOR BANGUNAN INFINITE CENTRE
LOT 1, JALAN 13/6, 46200 PETALING JAYA
SELANGOR DARUL EHSAN, MALAYSIA
PHONE : +60 - 3 - 7954 8088
FAX : +60 - 3 - 7954 7088

JAPAN *Technical*

D&M Holdings Inc.
35- 1, 7- CHOME, SAGAMIONO
SAGAMIHARA - SHI, KANAGAWA
JAPAN 228-8505
PHONE : +81 42 748 1013
FAX : +81 42 741 9190

株式会社 ディーアンドエムホールディングス

本 社 〒228-8505
神奈川県相模原市相模大野7-35-1

KOREA

MARANTZ KOREA CO., LTD.
ROOM 604, ELECTRO OFFICE, 16-58,
HANGGANG-RO 3GA, YONGSAN-KU,
SEOUL, 140-013, KOREA
PHONE : +82 - 2 - 323 - 2155
FAX : +82 - 2 - 323 - 2154

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, Video-CD, Super Audio CD, CD, MP3 files and JPEG files

Power requirements

F Version.....AC 100 V, 50 / 60 Hz

K VersionAC 220 V, 50 Hz

L Version.....AC 110 V, 60 Hz

N VersionAC 230 V, 50 Hz

S VersionAC 230 V, 50 / 60 Hz

U VersionAC 120 V, 60 Hz

Power consumption35 W

Power consumption in standby mode.....0.6 W

Weight 8.6 kg (18 lb 15 oz)

Dimensions..... 440 (W) x 384 (D) x 115 (H) mm
(17.3 (W) x 15.1 (D) x 4.5 (H) in.)
(Not including protruding cables, etc.)

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 : NTSC..... 286 mVp-p (75 Ω)
: PAL 300 mVp-p (75 Ω)

JacksS-VIDEO jack

Video output (2 individual outputs)

Output level..... 1 Vp-p (75 Ω)

Jacks RCA jack

Component video output (Y, Cb/Pb, Cr/Pb)

Output level..... Y : 1.0 Vp-p (75 Ω)
Cb/Pb, Cr/Pb : 0.7 Vp-p (75 Ω)

Jacks RCA jack

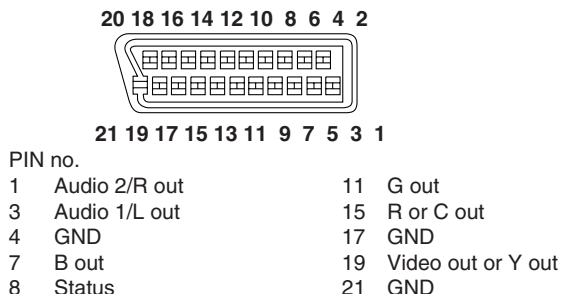
HDMI output

Output Terminal 19-pin

21-pin connector assignment

AV connector output 21-pin connector

This connector provides the video and audio signals for connection to a compatible color TV or monitor.



D1/D2 video output [except for N, U Version]

Output level..... Y : 1.0 Vp-p (75 Ω)
Cb/Pb, Cr/Pb : 0.7 Vp-p (75 Ω)

Jacks D terminal

Audio output

Output level (During audio output).....2 Vrms (1 kHz, 0 dB)

Number of channels2

Jacks RCA jack

Audio output (multi-channel / L, R, C, SW, LS, RS)

Output level (During audio output).....2 Vrms (1 kHz, 0 dB)

Number of channels2

Jacks RCA jack

Digital audio characteristics

Frequency response4 Hz to 44 kHz (DVD fs: 96 kHz)
4 Hz to 88 kHz (DVD-Audio fs: 192 kHz)

S/N ratio..... 130 dB

Dynamic range 110 dB

Total harmonic distortion0.0008 %

Wow and flutter..... Limit of measurement
(± 0.001 % W. PEAK) or lower

Digital output

Optical digital output..... Optical digital jack

Coaxial digital output RCA jack

i.LINK in/output

Output Terminal 4-pin (S400)

Other terminals

Control in/out RCA jack

Flasher input..... Mini jack (3.5Ø)

RS232C 1

Accessories

Audio/Video cable (yellow / red / white)..... 1

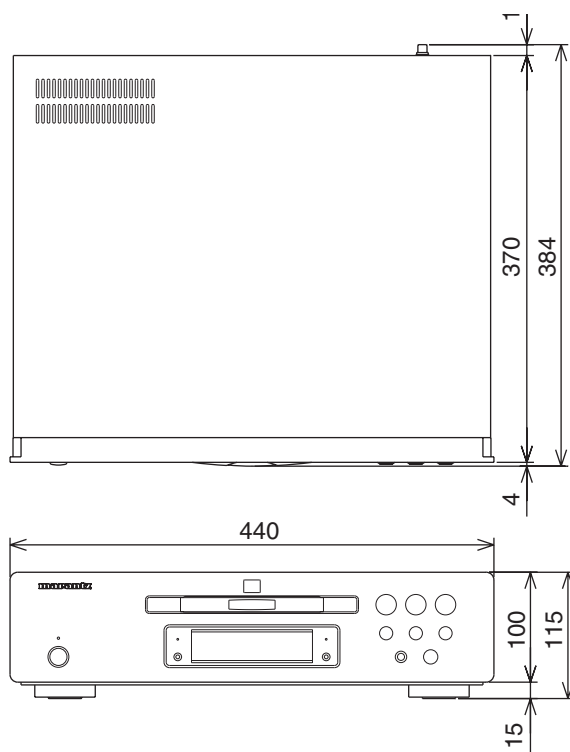
System control cable 1

Power cable 1

Remote controller 1

AA (R6P) dry cell batteries2

User guide 1



Features

Equipped with an i.LINK port for digital transfers of high-quality media

By simply connecting a single i.LINK cable between components with i.LINK ports, you can get direct digital transfers of not only DVD-Video audio but also multi-channel audio such as Super Audio CD or DVD-Audio, which previously could only be connected in analog with five audio cords, as well as 2-channel audio like conventional CDs.

When transferring DVD-Audio or Super Audio CD audio digitally by i.LINK, this unit employs the Jitter Free Transfer System (JFTS), a technology that removes jitter from transfers. By combining this unit with JFTS-compatible components, you can play jitter-free audio.

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

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 like 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 make it possible to enjoy realistic video without any of the image degradation from AD/DA conversions. And with the inclusion of our newly developed, high-precision 10-bit scaler IC, the unit can up-convert 480p video signals to 720p, 1080i, and 1080p video output signals by way of the scaling function and the HDMI jack.

High quality 14-bit/216MHz Video D/A converter*2

The unit uses a Video D/A converter that performs D/A conversion of all video signals in 14-bits and can perform 8X over-sampling

to let you enjoy beautiful video possible with DVD. Furthermore, NSV technology suppresses noise during DA conversion.

Support for 10-bit advanced progressive NTSC/PAL with newly developed chroma-error compensation.

Our newly developed chroma-error compensation completely eliminates the chroma error that occurs near perpendicular edges in color-difference signals.

dts 96kHz/24 bit compatibility

It is equipped with a dts 96/24 decoder that lets you enjoy dts audio with sound quality as high as 96kHz/24bit. This product does not support dts 88.2kHz/24bit.

Dolby Headphone compatibility

The Head Phone can reproduce the world of Dolby Surround with realistic ambience like that you would experience using a 5.1 ch system (Excluding Super Audio CD).

Lip Sync capability

When it is connected to a plasma display or projector, it corrects the time lag between the video and audio created by the video circuit processing time in units of 10msec up to a maximum of 200msec. It precisely synchronizes the actors' voices and the movements of their mouths.

Equipped with a Super Audio CD Distance compensation function

It can perform Distance adjustment of Super Audio CD that was formerly impossible by converting it to PCM.

Superlative audio performance with Super Audio CD, DVD-Audio, Dolby*3 Digital and DTS*4 software



The DV9600 delivers breathtaking sound quality with Super Audio CD, DVD-Audio, Dolby Digital and DTS discs.

Capture

You can store a photograph of your children as background.

SRS TruSurround^{*5}

Logo: 

When used with stereo sources, SRS TruSurround creates a realistic surround-sound effect using just two speakers.

MP3 compatibility

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

*4 "DTS" and "DTS 96/24" are trademarks of Digital Theater Systems, Inc.

*5 TruSurround, SRS and the  symbol are trademarks of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, 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, DVD+RW, DVD+R, CD-ROM (except those that contain MP3/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-R discs that were recorded with copy-once only permission cannot be played.

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.
- DVD-RW discs that were recorded with copy-once only permission cannot be played.

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.

*Some copy-controlled CDs may not conform to official CD standards. They are special discs and may not play on the DV9600.


*The audio side of dual discs does not conform to CD standards and may not play on the DV9600.

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

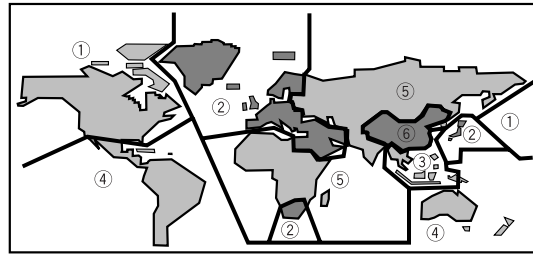
Super VCDs are divided into tracks.

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.

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.

MP3 compatibility information

- The CD-ROM must be ISO 9660 compatible.
- Files should be MPEG1 Audio Layer 3 format, 44.1 kHz or 48kHz. Incompatible files will not play.
- This player is not compatible with MP3 PRO, ID3-Tag and packet write.
- When using a variable bit rate, files may be played back at speeds between 32Kbps and 320Kbps.
- This player cannot play DVD-R/RW discs with recorded MP3 music data.
- VBR files may not show play times correctly.
- This player only plays tracks that are named with 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.
- Use CD-R or CD-RW media for recording your MP3 files. The disc must be finalized in order to play.
- Audio encoded at 128Kbps should sound close to regular audio CD quality. Although this player will play lower bit-rate MP3 tracks, the sound quality becomes noticeably worse at lower bit-rates.
- Only the first 8 characters of folder and track names (excluding the “.mp3” extension) are displayed.
- This player can recognize about total 600 files/folder.

JPEG compatibility information

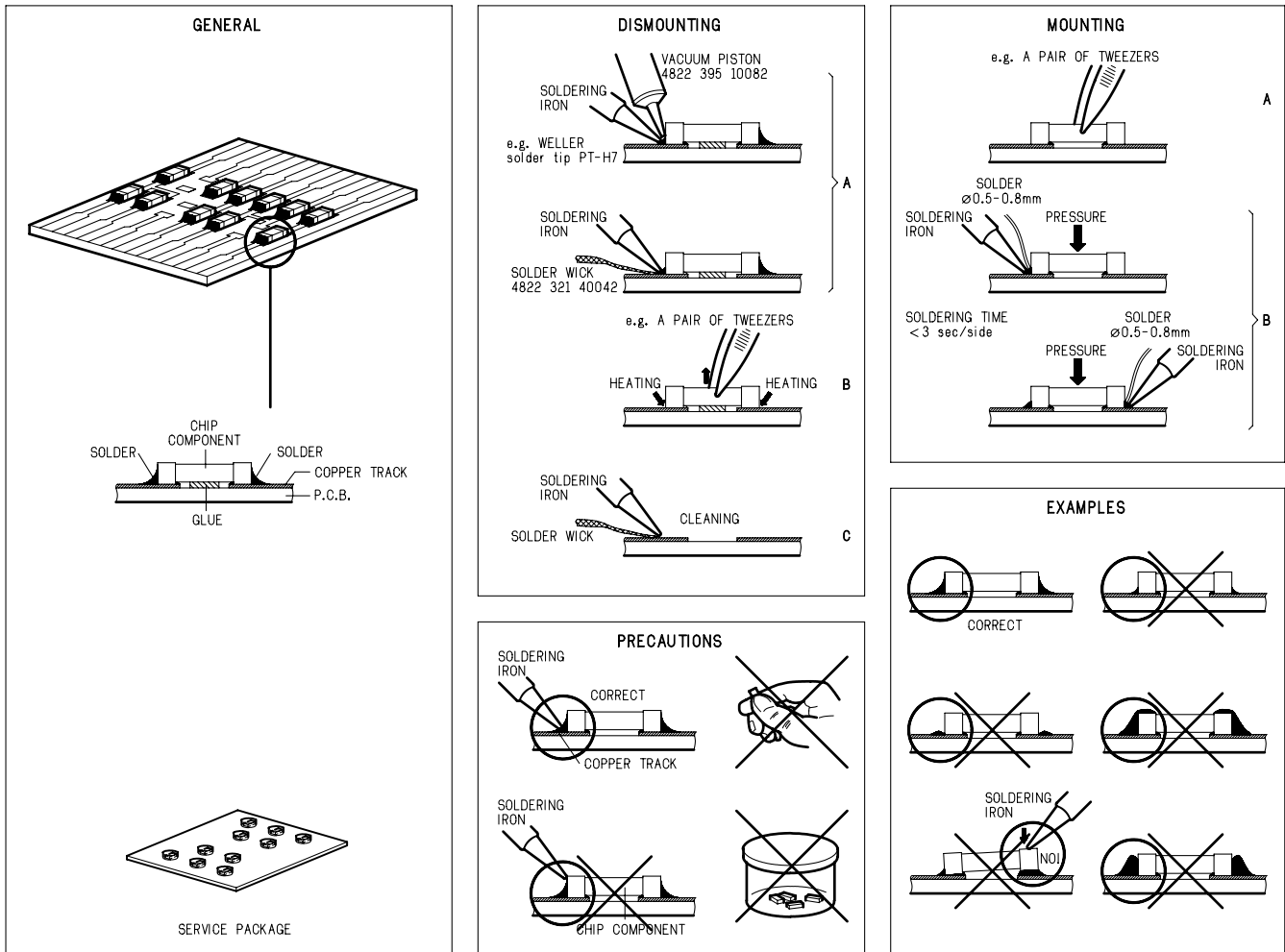
- While this player is designed to be able to handle image data recorded in JPEG format, no assurances are given that the player will be able to display image data recorded in all JPEG formats.
- Display is limited to the display of files up to 30MB in size.
- This player cannot display progressive JPEG images.
- When writing JPEG files to CD-R/RW discs, always be sure to set the writing format to ISO 9660 Level 1.
- Always be sure to specify a file extension of “.JPG” or “.JPE” for JPEG files. The file will not be able to be displayed if a file extension other than “.JPG” or “.JPE” 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.)

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.)
- 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.
- 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.
- 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.

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 enfilez le bracelet muni 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 longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cautela 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 identici a quelli specificati.

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

F

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

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 AUSSETZEN
DANGER VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID DIRECT EXPOSURE TO BEAM
ATTENTION RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU

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 clamper.
4. Now you can remove the disc.

Remove those screws



5. UPDATE BACK END SOFTWARE (FIRMWARE) PROCEDURE

Necessary Equipment

- Update Disc (for Back End Software).
 1. Press **POWER** button, and turn on the DVD Player.
 2. Press **Open/Close** button, and open the tray.
 3. The update disc is placed on the tray.
 4. Press **Open/Close** button, and close the tray.
 5. After Loading the Disc, the front display shows "**VCD**" for a moment. Next, the front display shows "**WRITNG**", And Back End Software is updated automatically.
 6. At this time, "**Updating Flash Memory**" shows on the monitor.
 7. The tray will be opened, when finished updating software.
 8. At this time, after the front display shows "**VCD**" for a moment, it shows "**COMPLETE**".
 9. Take out the update disc from the tray.
 10. Press the **Open/Close** button, and close the tray.
 11. Press the **POWER** button, and turn off the DVD Player.

5. Back End Software (Firmware) の書き換え方法

必要機器

- Back End Software のアップデート用 CD-ROM
 1. **POWER** ボタンを押し、DVD Player の電源を入れます。
 2. **Open/Close** ボタンを押し、トレーを出します。
 3. Back End Software のアップデートディスクをトレーに乗せます。
 4. **Open/Close** ボタンを押し、トレーを戻します。
 5. Disc の Loading を行った後フロントディスプレイに "**VCD**" と一瞬表示し、"**WRITING**" と表示され Software のアップデートは自動で行われます。
 6. TV またはモニターの OSD には "**Updating Flash Memory**" と表示されます。
 7. アップデートが終わるとトレーが自動で開きます。
 8. フロントディスプレイに一瞬 "**VCD**" と表示された後、"**COMPLETE**" と表示されます。
 9. アップデートディスクを取り出します。
 10. **Open/Close** を押し、トレーを閉じます。
 11. **POWER** ボタンを押し、電源を切ります。

6. UPDATE PANEL MICROPROCESSOR PROCEDURE

Necessary Equipment

- Windows PC (OS: Windows2000 or WindowsXP) with Serial Port
- RS-232C Cable straight type (9 Pin female - 9 Pin female)
- Update Tool: FDTsetup.EXE(FDT3.0) or fdtv30300.exe(FDT3.3)
- Update data (CSIDE_vxxx.mot)

NOTE: File name will change according to release date.

Update of PANEL Microprocessor can be updated by FDT3.0 or FDT3.3.

Supposing you already installed FDT3.0 or FDT3.3, move on to the **Writing software setup procedure**.

If you do not have FDT, move on to the **Download and install updating software for Microprocessor**.

Panel Microprocessor Update Procedure

1. DOWNLOADS OF THE SOFTWARE

Download the software for update of the PANEL microprocessor.

Launch up the browser. Type <http://www.renesas.com/> into an address. And press Enter.

(When site of Renesas is modified, please search "Flash Development Toolkit", or type <http://download.renesas.com/eng/mpumcu/index.html> into an address.)

Click the **SUPPORT** on the site of Renesas.

6. PANEL MICROPROCESSOR の書き換え方法

必要機器

- Windows PC Serial Port 付き (OS: Windows2000 または WindowsXP)
- RS-232C ストレートケーブル (9Pin メス - 9Pin メス)
- 書き込み用アプリケーションツール (FDTsetup.EXE (FDT3.0) または fdtv30300.exe(FDT3.3))
- 書き込み用データ (CSIDE_vxxx.mot)

NOTE: xx は改版番号です。

パネルマイコンのアップデートは FDT3.0 でも FDT3.3 でもアップデートすることが出来ます。

既に FDT3.0 または FDT3.3 をインストールしてある場合は書き込みソフトウェアの設定に進んでください。

もし、FDT を持っていない時は、アップデートソフトウェアのダウンロードとインストール手順に進んでください。

書き込み手順

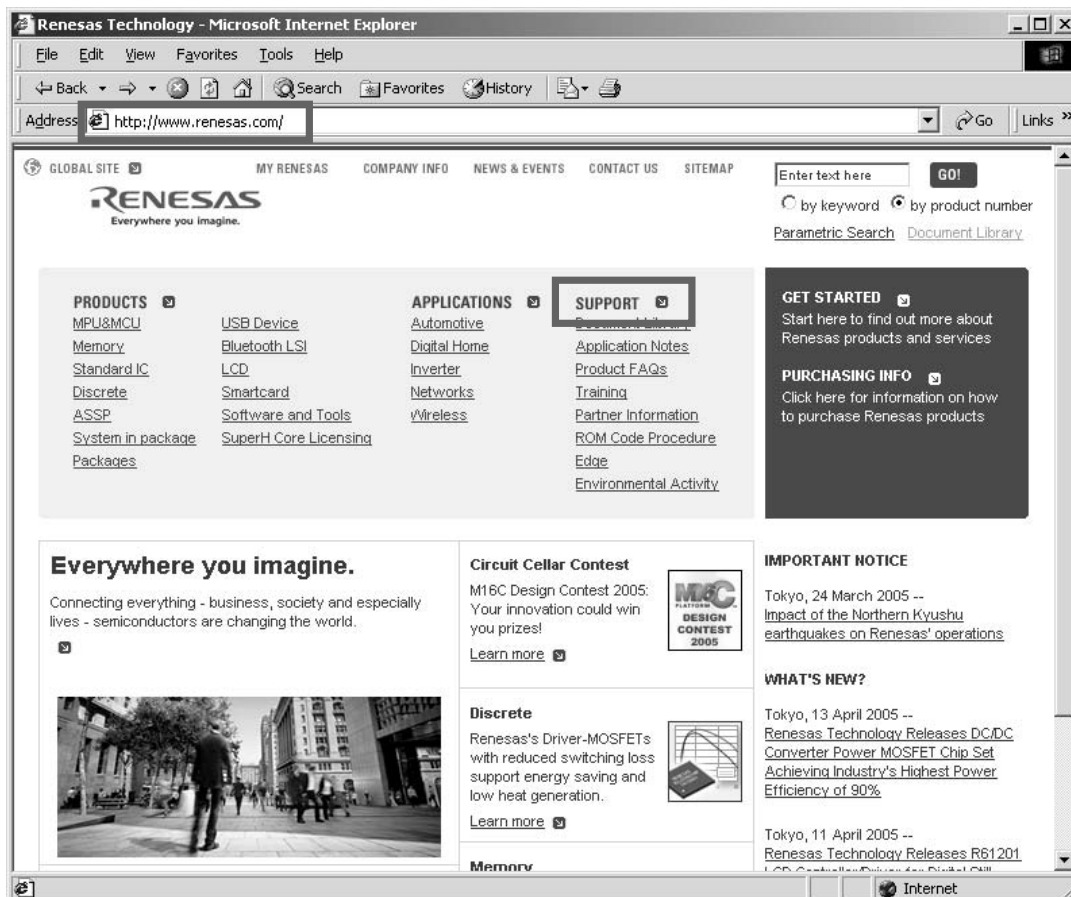
1. DOWNLOADS OF THE SOFTWARE

PANEL マイコンのアップデート用ソフトウェアをダウンロードします。

Browser を起動し、Address へ <http://www.renesas.com/> と入力し、Enter を押します。

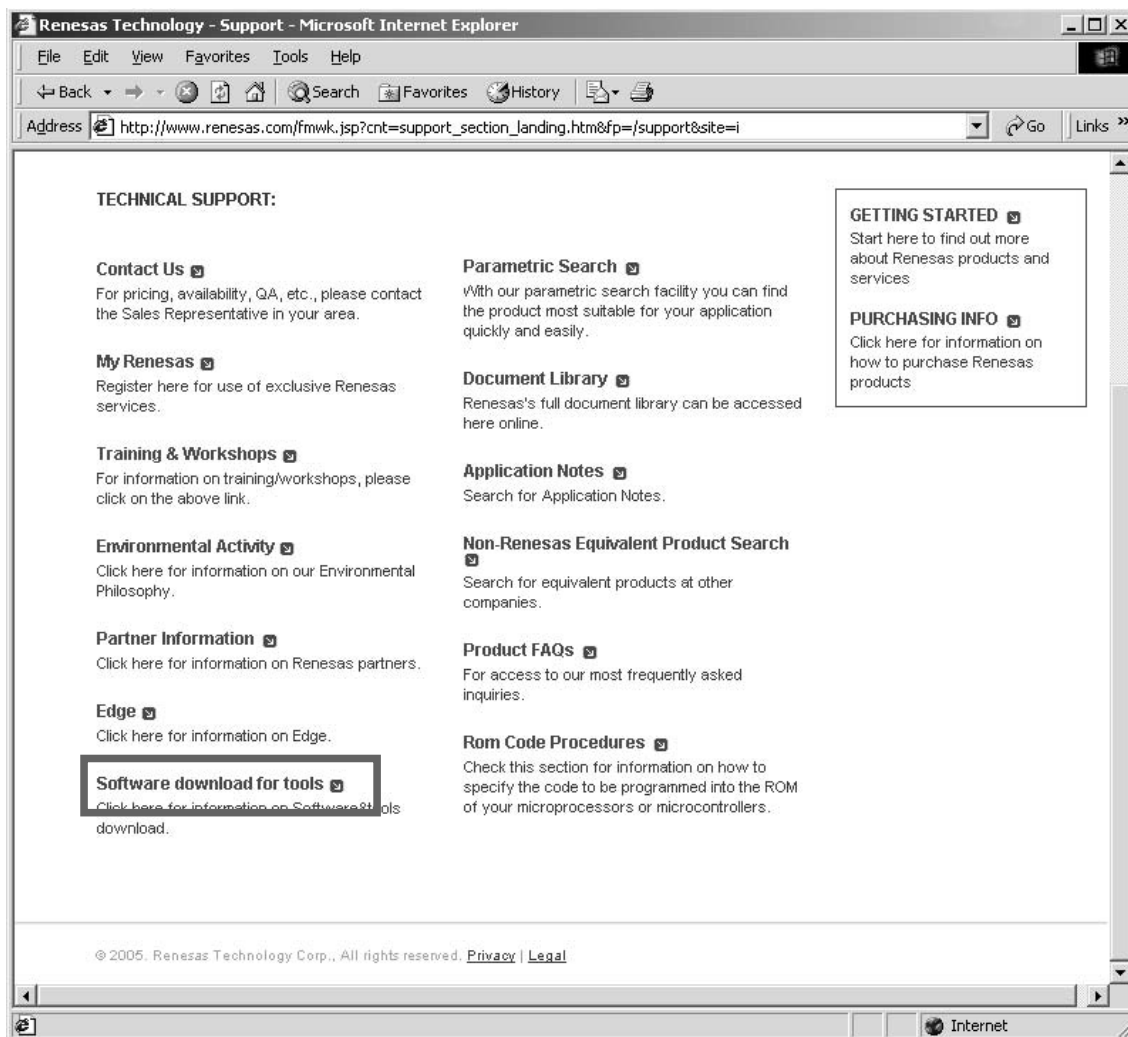
(Renesas のサイトが変更になった場合は、Flash Development Toolkit を検索するか、Address へ <http://download.renesas.com/eng/mpumcu/index.html> を入力してください。)

Renesas のホームページが開きますので、ここから **SUPPORT** をクリックします。



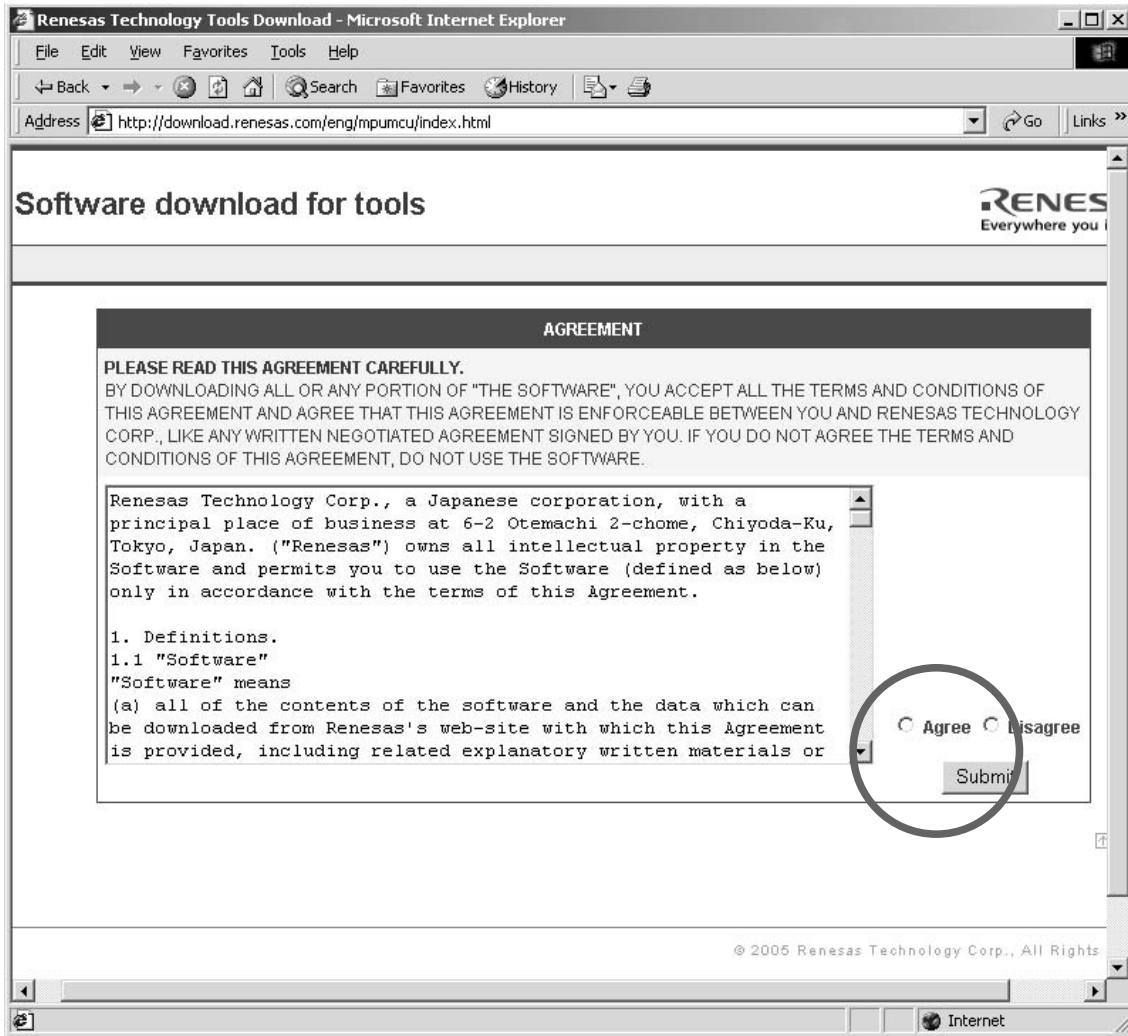
Click the **Software download for tools** on Support.

Support のページから **Software download for tools** をクリックします。



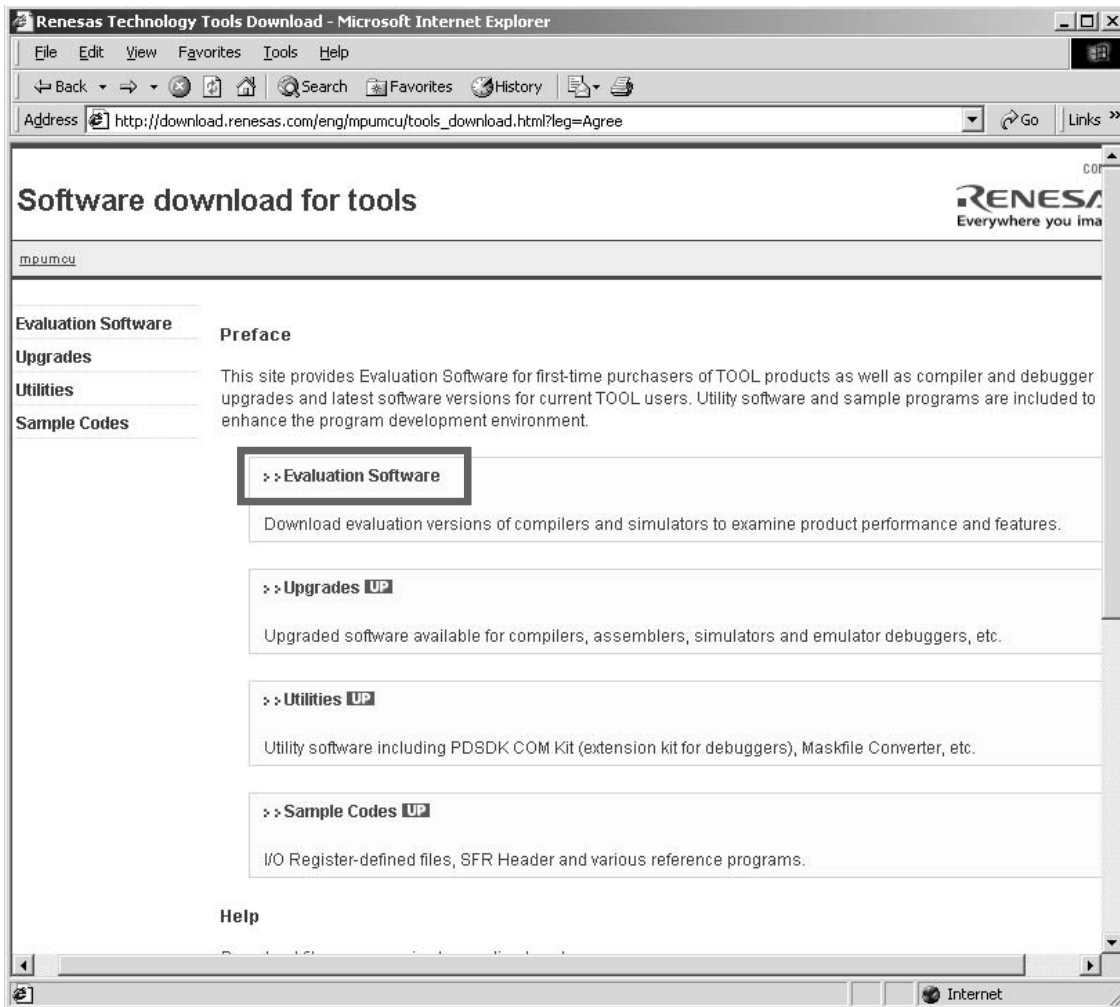
Check the **Agree** on AGREEMENT. And click **Submit**.

AGREEMENT から **Agree** にチェックを入れ **Submit** をクリックします。



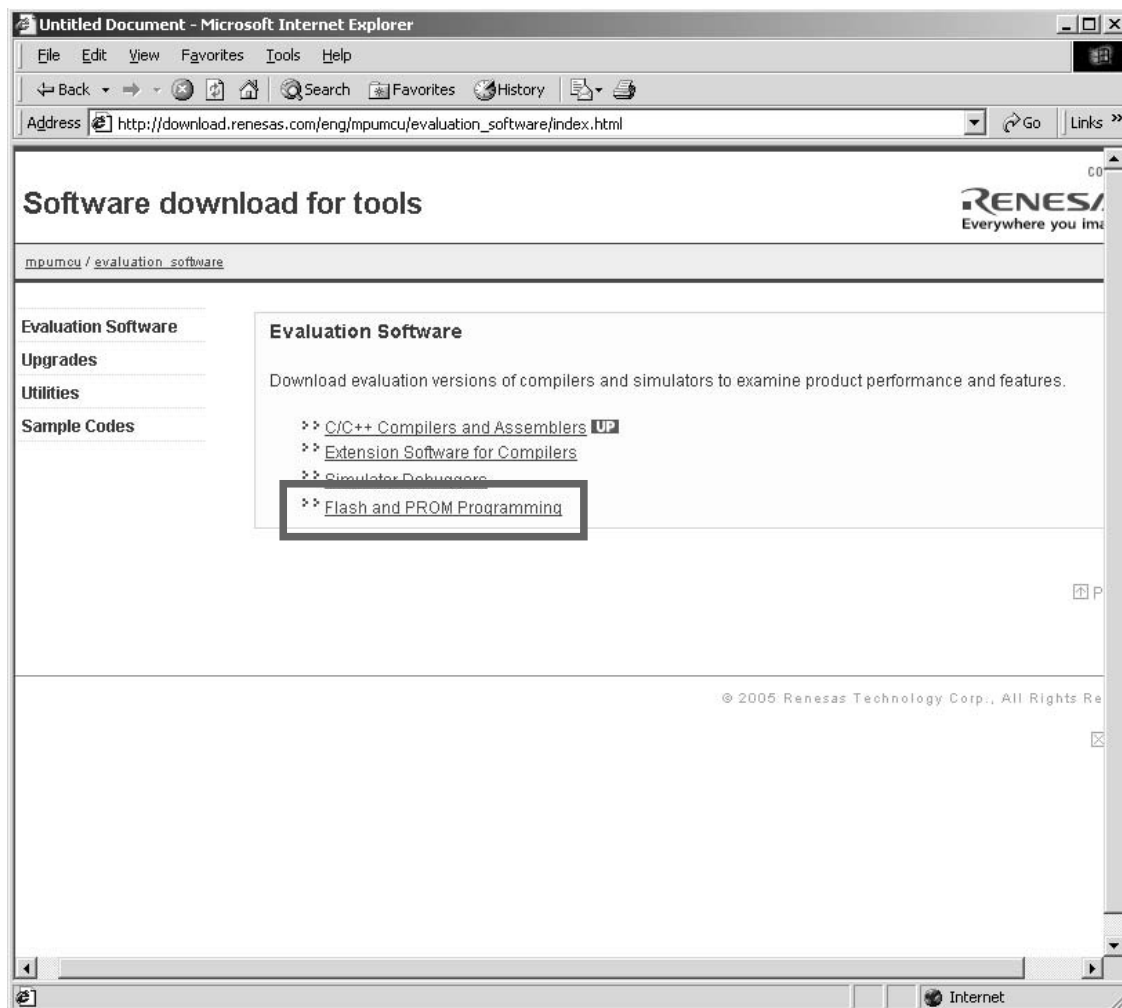
Click **Evaluation Software**.

Evaluation Software をクリックします。



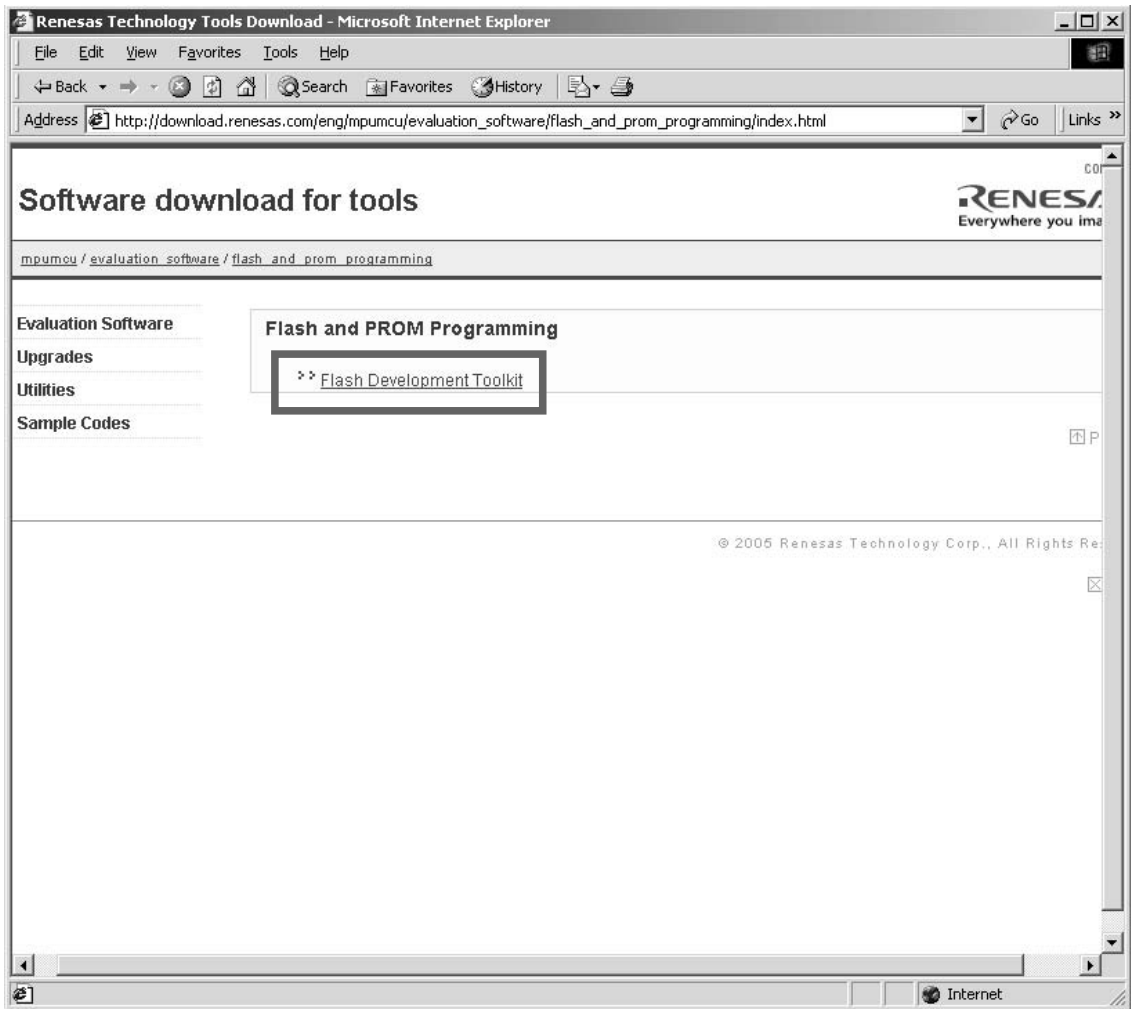
Click **Flash and PROM Programming**.

Flash and PROM Programming をクリックします。



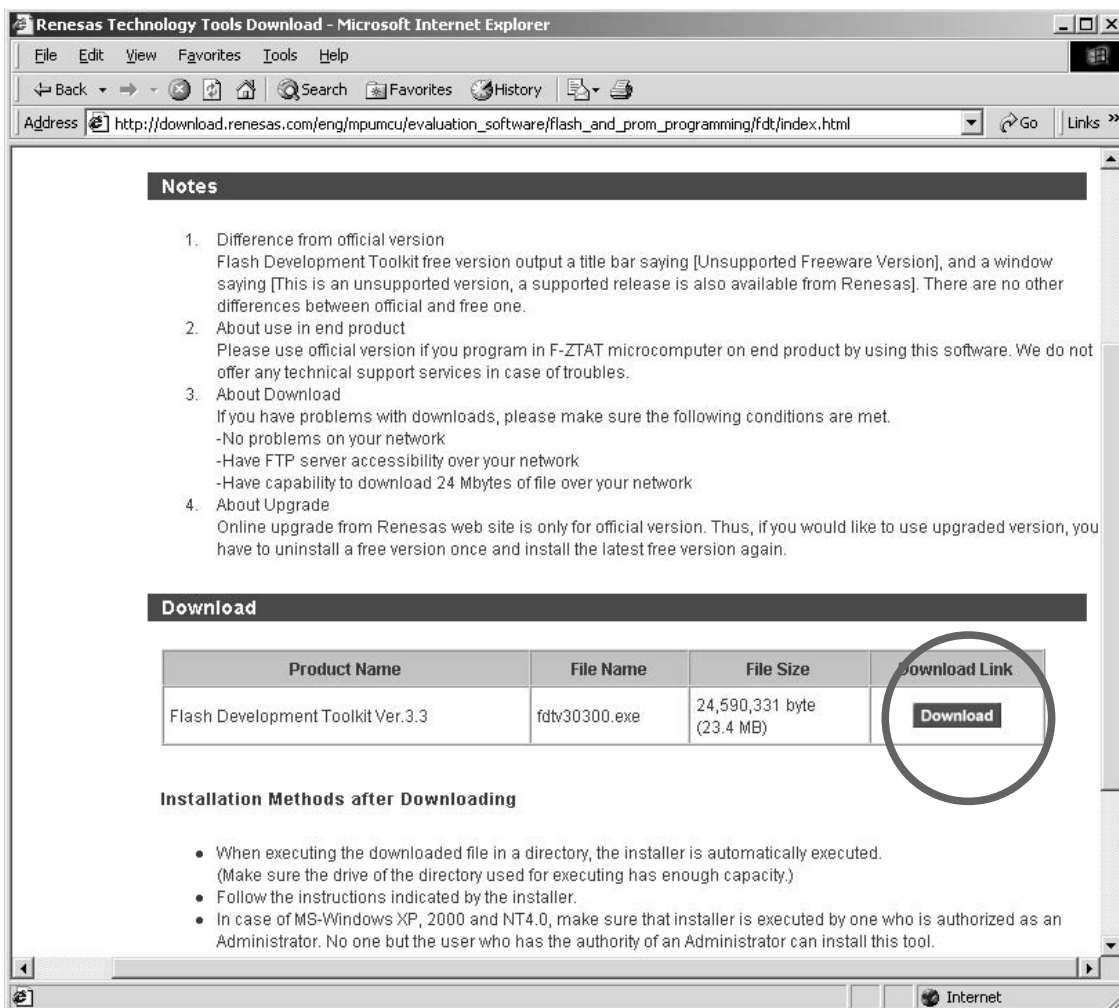
Click **Flash Development Toolkit**.

Flash Development Toolkit をクリックします。



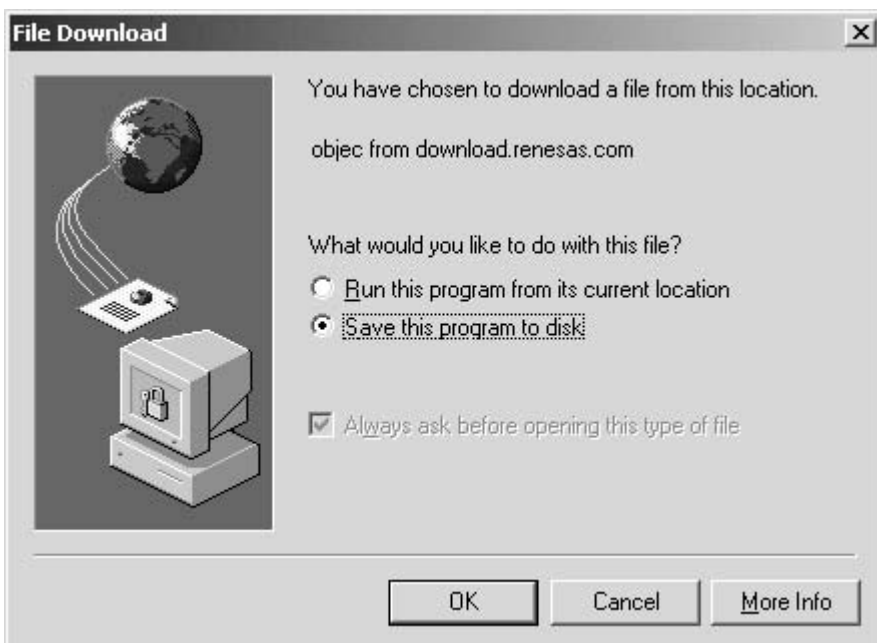
Click **Download**.

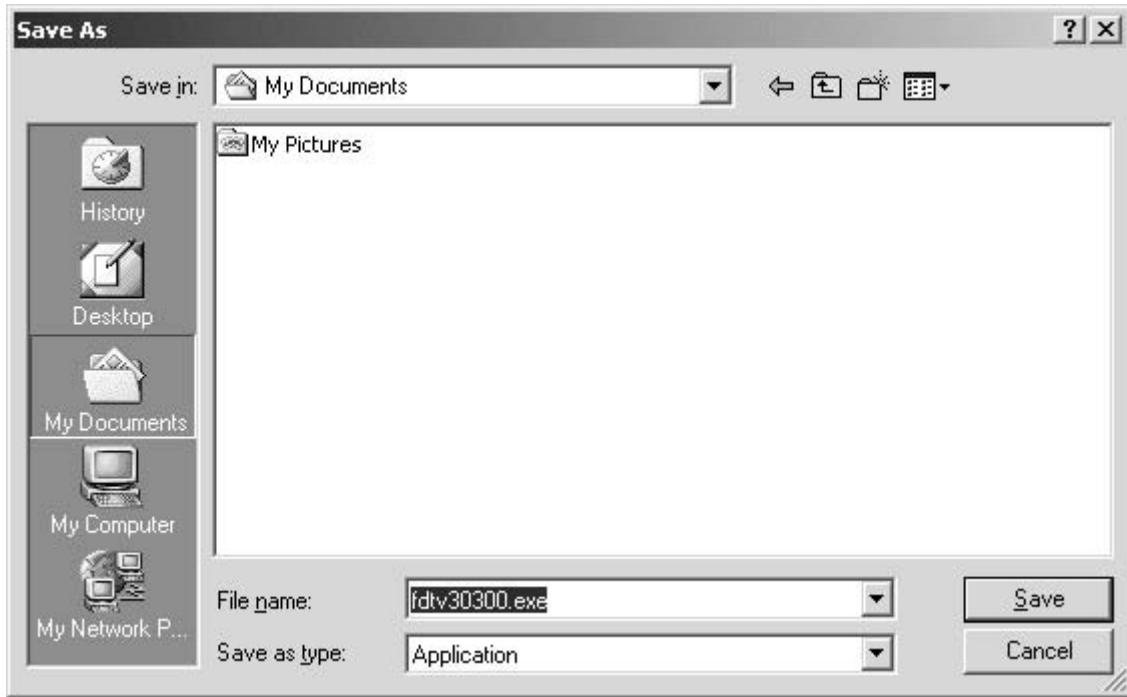
Page Down をし、**Download** をクリックします。



Save the **fdtv30300.exe** on your PC's hard disc.
(A file name is changed by improvement.)

fdtv30300.exe を任意のフォルダに保存します。
(ファイル名はバージョンアップにより変更になる場合があります。)



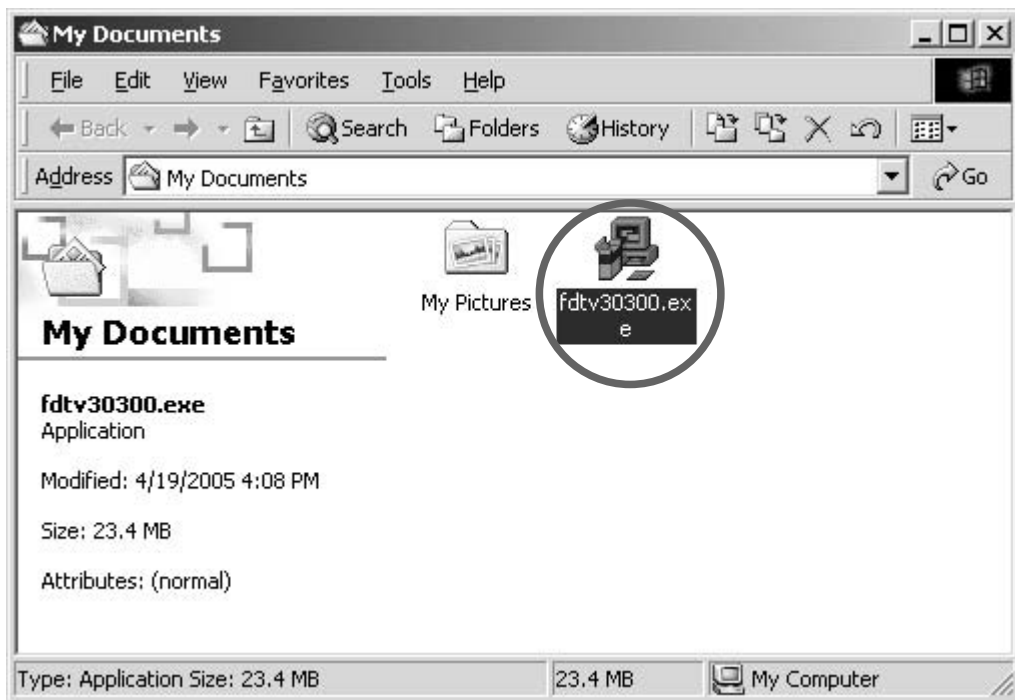


INSTALLS OF THE SOFTWARE (FLASH DEVELOPMENT TOOLKIT VER.3.3)

Open the folder with the downloaded file. And double click the **fdtv30300.exe**.

INSTALLS OF THE SOFTWARE (FLASH DEVELOPMENT TOOLKIT VER.3.3)

ダウンロードしたファイルを保存しているフォルダを開きます。**fdtv30300.exe** ファイルをダブルクリックします。



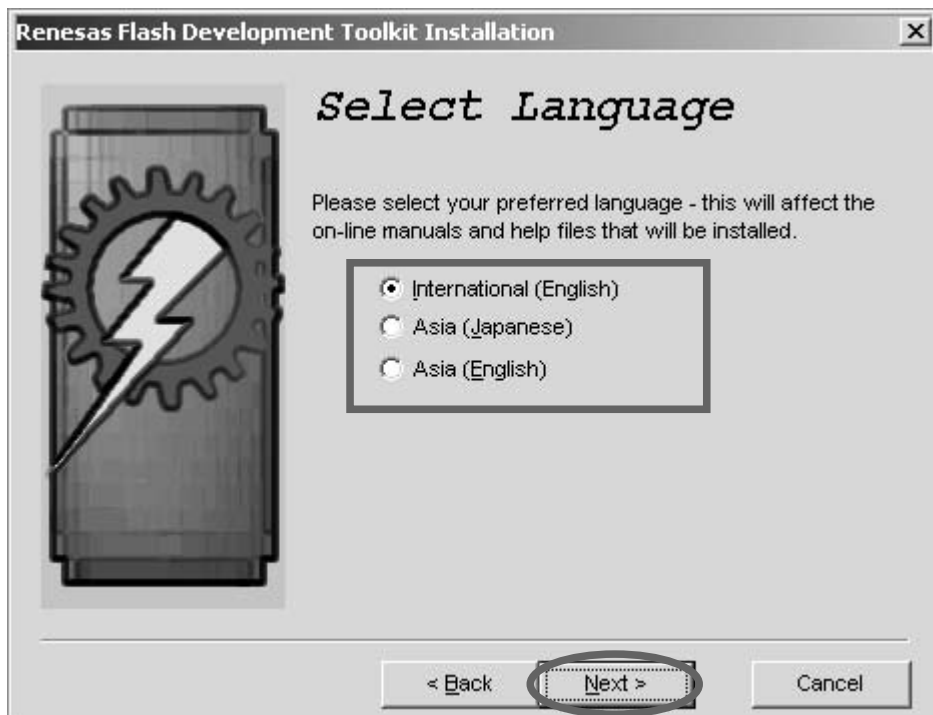
Click **Next >**.

Next > をクリックします。



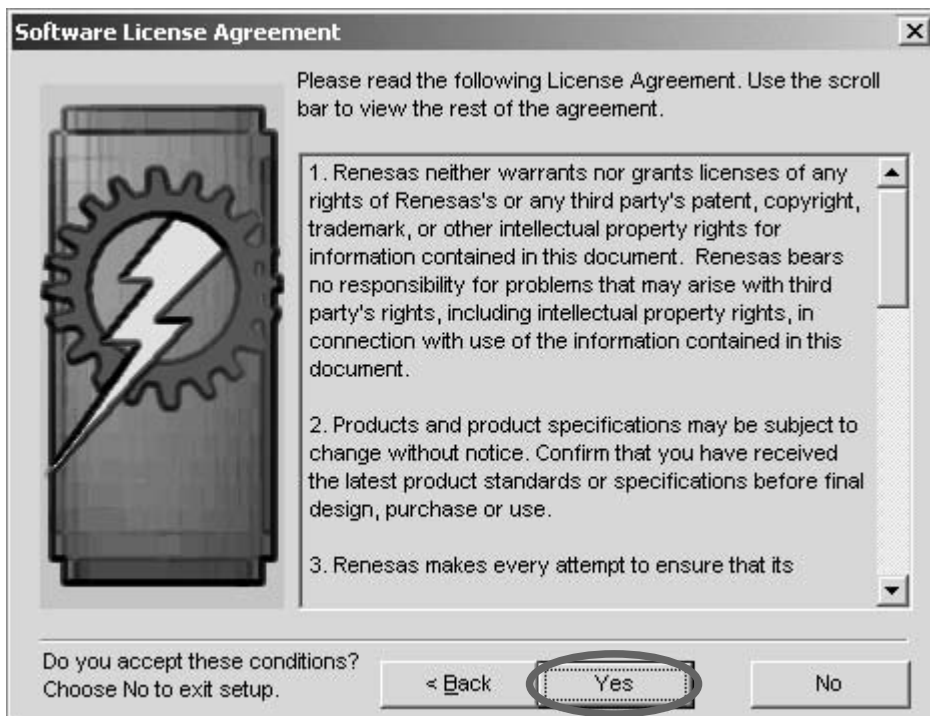
Choose the language. And click **Next >**.

言語を選んで **Next >** をクリックします。



Click **Yes**.

Yes をクリックします。



Click **Next >**.

Next > をクリックします。



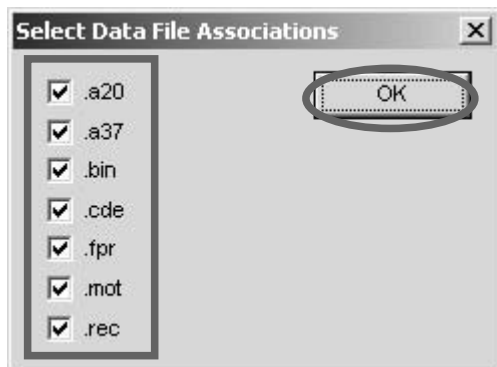
Click **Customise**.

Customise をクリックします。



Check to the all check box. And click **OK**.

全てのチェックボックスにチェックが入っていることを確認し、**OK** をクリックします。



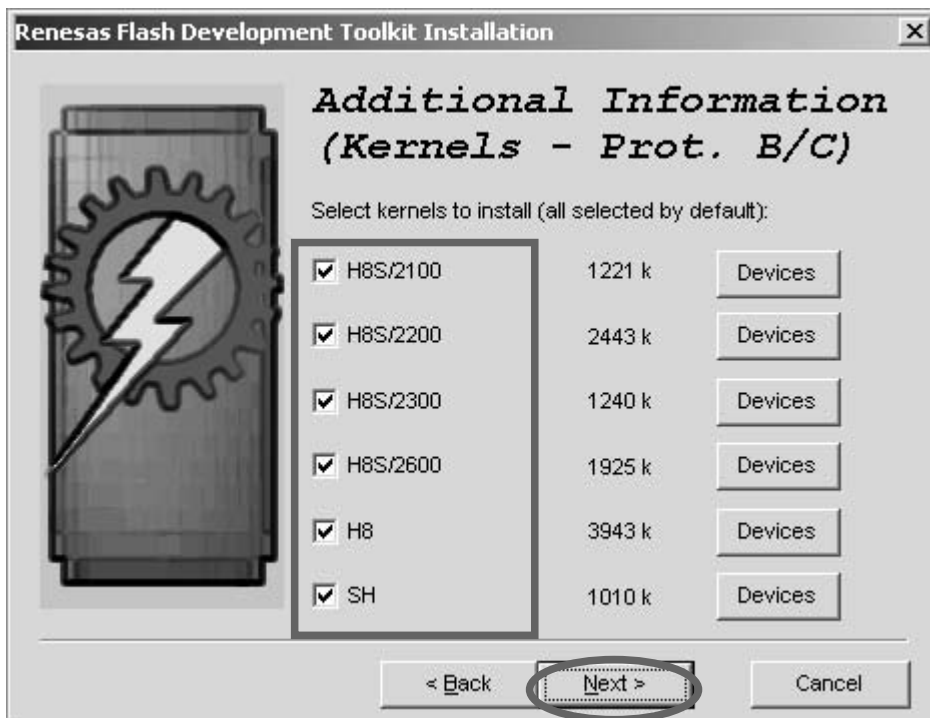
Click **Next >**.

Next > をクリックします。



Check to the all check box. And click **Next >**.

全てのチェックボックスにチェックが入っていることを確認し、**Next >**をクリックします。



Click **Next >**.

Next > をクリックします。



Click **Next >**.

Next > をクリックします。



Click **Next >**.

Next > をクリックします。



Click **Next >**.

Next > をクリックします。



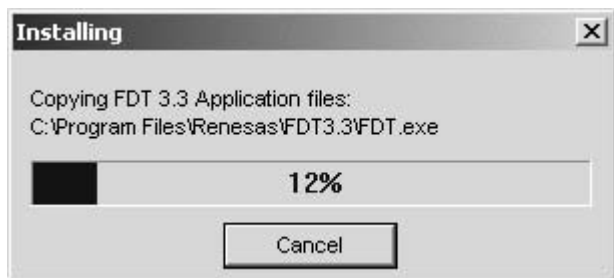
Click **Install**.

Install をクリックします。



The status bar appears.

インストールを開始します。



Click **Finish**.

Finish をクリックしてインストールを完了します。



2. The writing software setup procedure.

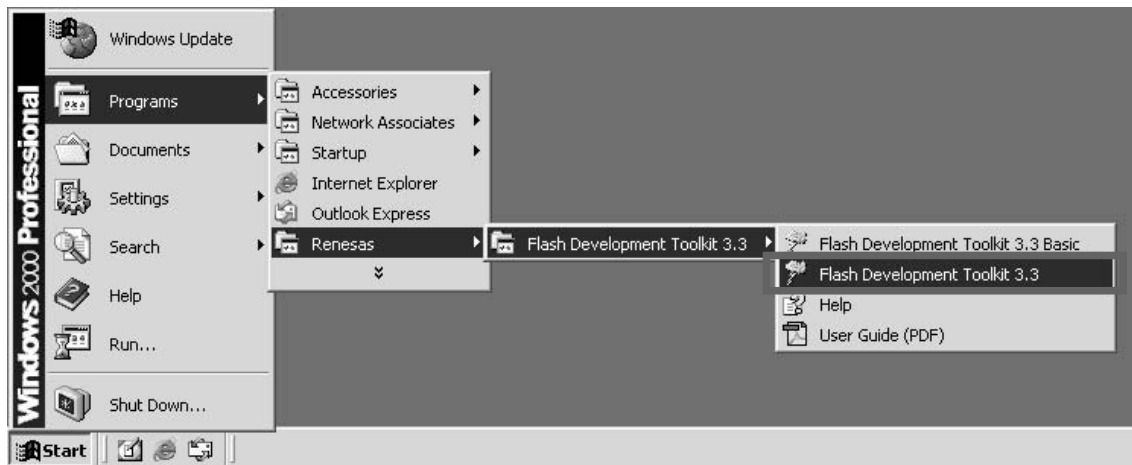
Launch up the writing software.

Click **Start, Programs, Renesas, Flash Development Toolkit 3.3** and **Flash Development Toolkit 3.3**.

(Although operation explanation by FDT3.3 is given here, FDT3.0 is same operation too.)

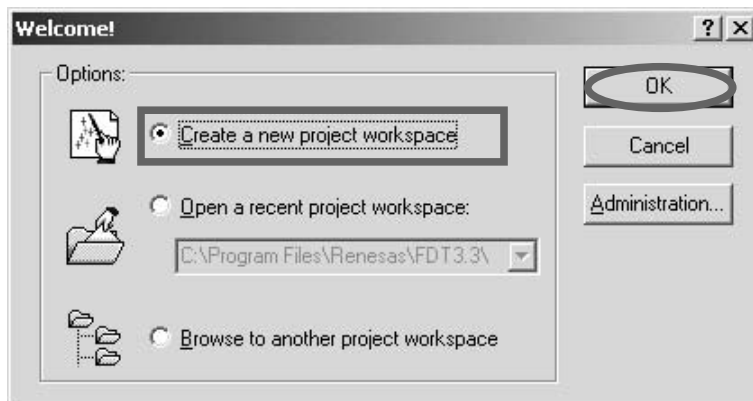
2. 書き込みソフトウェアの設定

Start → Programs → Renesas → Flash Development Toolkit 3.3 → Flash Development Toolkit 3.3 をクリックします。(ここでは FDT3.3 での操作説明をしますが、FDT3.0 も同じ操作になります。)



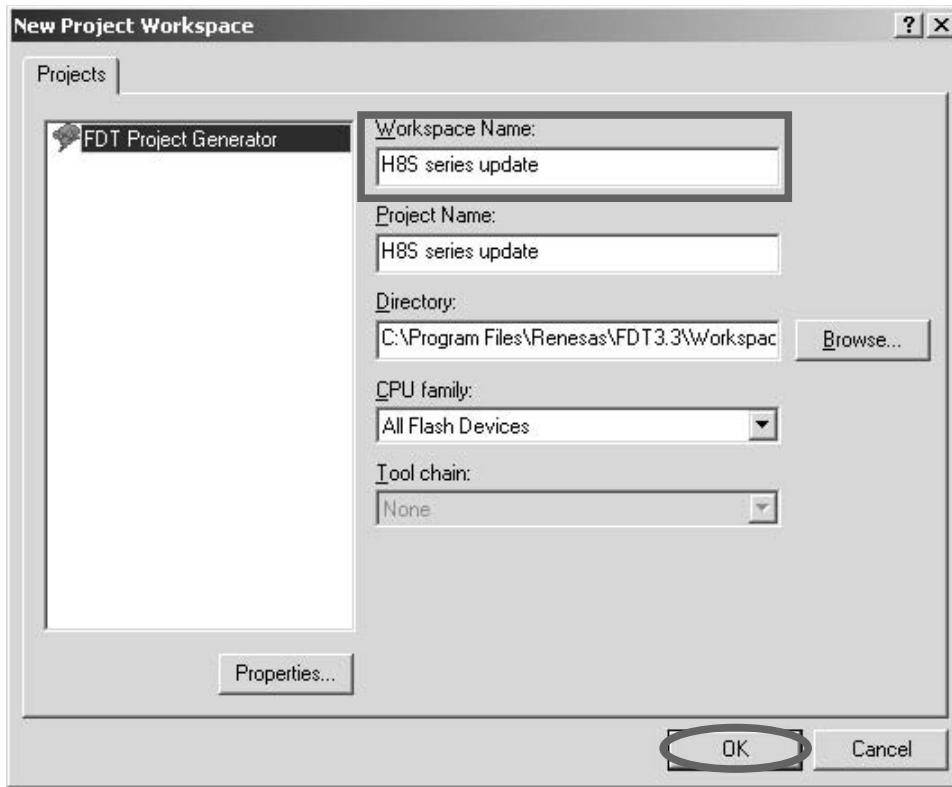
Check **Create a new project workspace**, and click **OK**.

Create a new project workspace にチェックを入れ、**OK** をクリックします。



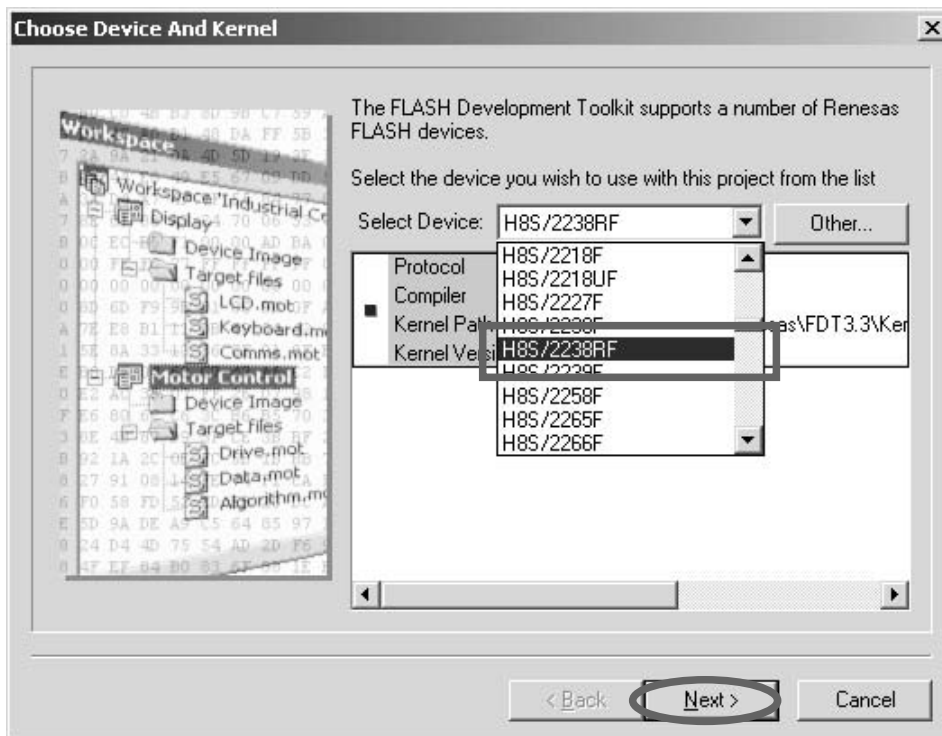
H8S series update is inputted into the **Workspace name**. (It is simultaneously inputted into **Project Name**.)
Click **OK**.

Workspace Name に **H8S series update** と入力します。
(同時に **Project Name** にも入力されます。)
OK をクリックします。



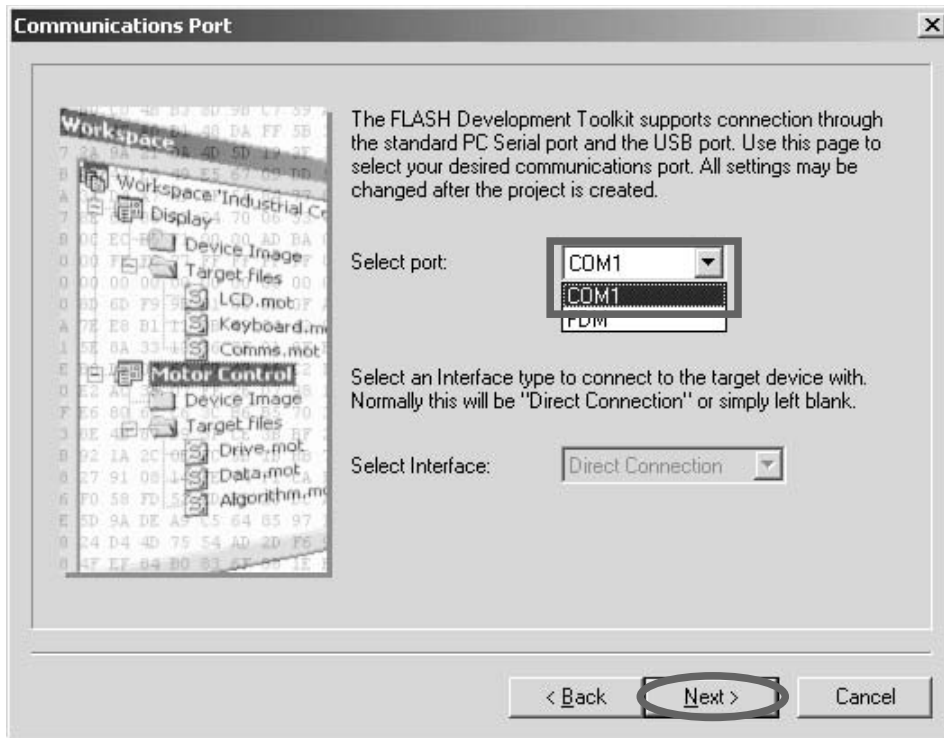
Choose the **H8S/2238RF** in **Select Device**.
Click **Next**.

Select Device から **H8S/2238RF** を選びクリックします。
Next をクリックします。



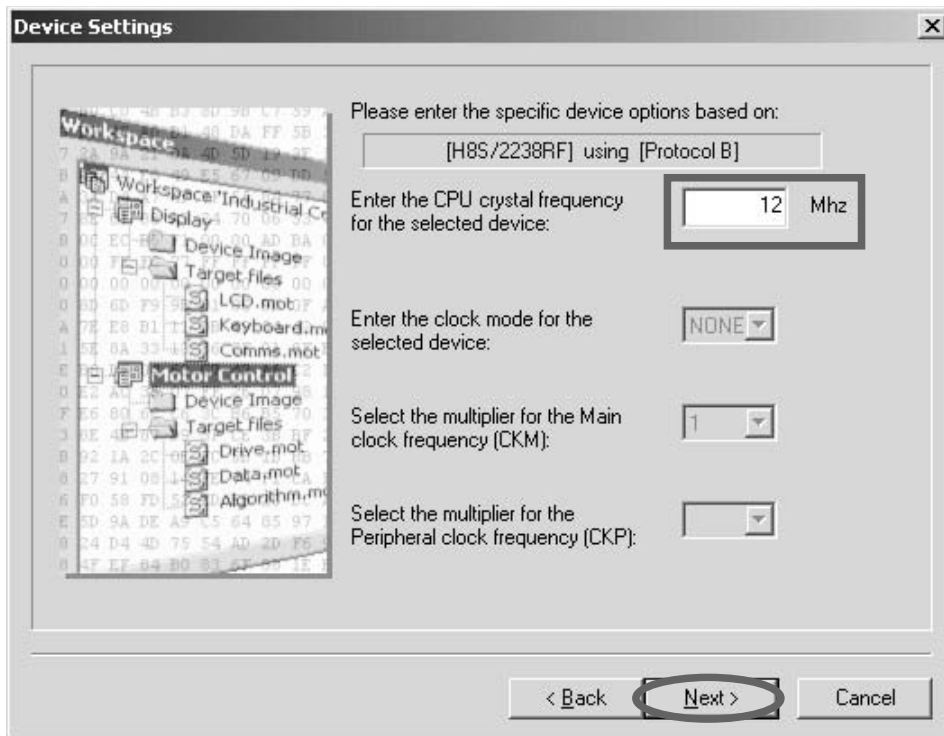
Choose the **Serial port No.** in the **Select Port**.
Click **Next**.

Select Port から接続する **Serial Port 番号** を選びクリック
します。
Next をクリックします。



12 is inputted into the **Enter the CPU crystal frequency for the selected device**.
Click **Next**.

Enter the CPU crystal frequency for the selected device: に **12** と入力します。
Next をクリックします。



Check the **BOOT Mode** in **Select Connection**.

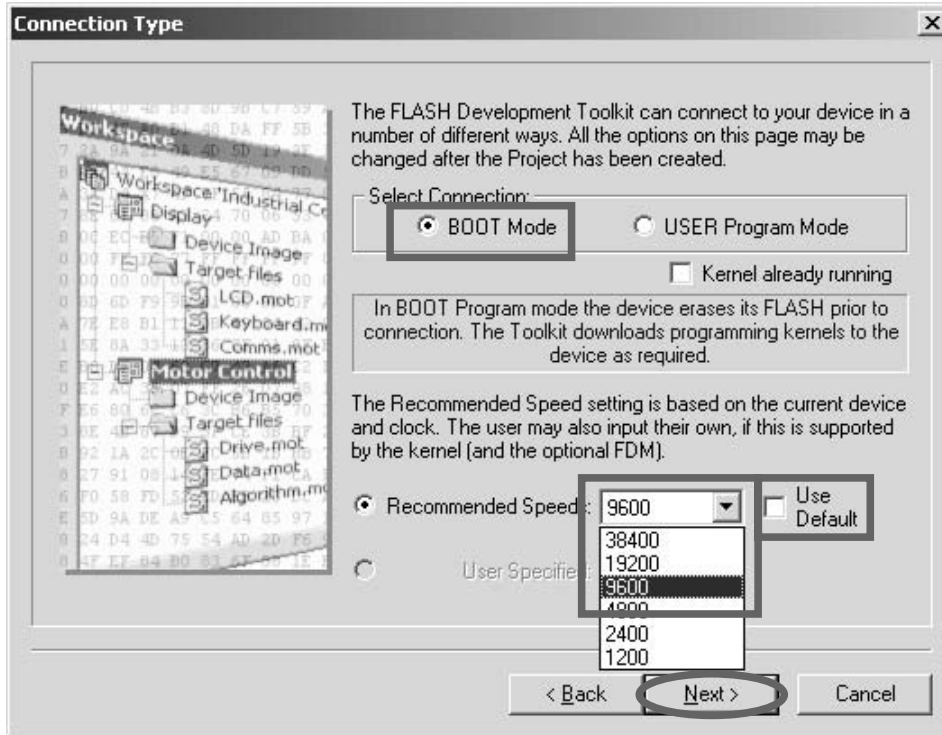
Choose the **9600** in **Select Baud rate**.

Remark: Please remove check mark, if it is contained in Use Default.

Select Connection: から **BOOT Mode** にチェックを入れます。

Select Baud rate: から **9600** を選びクリックします。

注意) Use Default にチェックが入っていると Baud Rate を変更できませんのでチェックを外してください。



Check the **Automatic** in **Protection**.

Check the **Advanced** in **Messaging**.

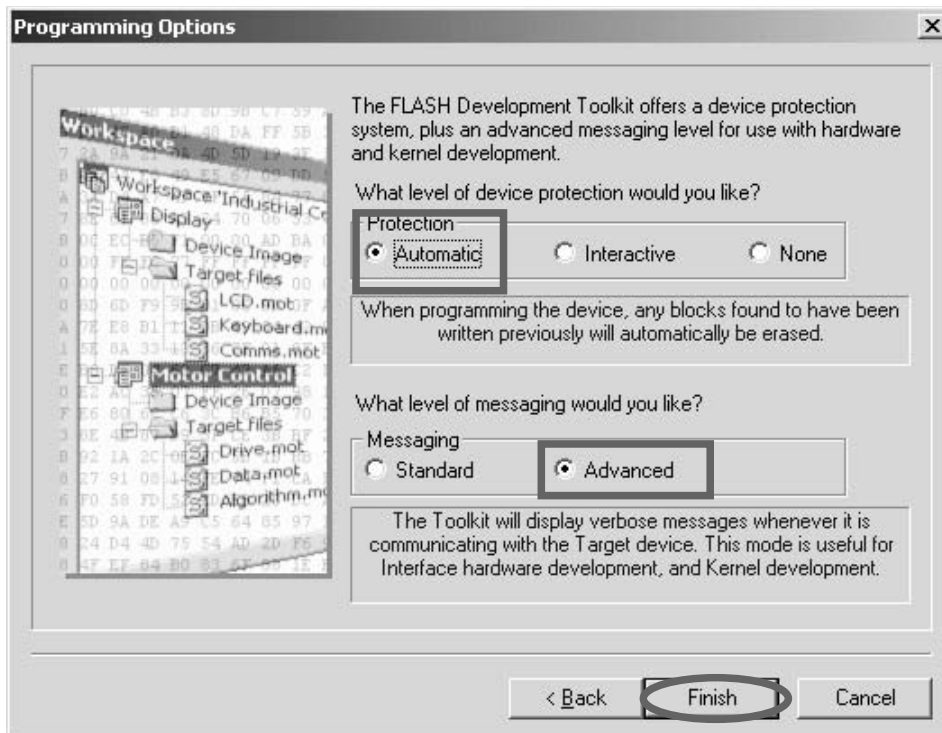
Click **Finish**.

Protection から **Automatic** にチェックを入れます。

Messaging から **Advanced** にチェックを入れます。

Finish をクリックします。

以上で設定は完了です。



3. Writing Procedure

When you carry out continuously from "2. The writing software setup procedure", please move on to "**Cable connection**" of next page.

Software is launched when the writing software is being terminated.

Click **Start, Programs, Renesas, Flash Development Toolkit 3.3** and **Flash Development Toolkit 3.3**.

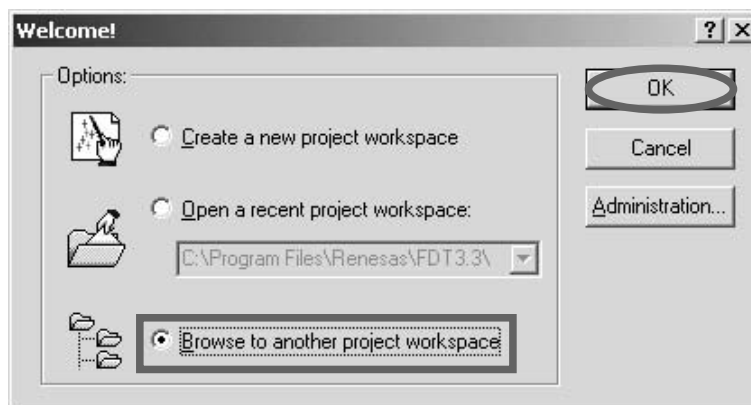
Check **Browse to another project workspace**, and click **OK**.

3. 書き込み方法

インストールから引き続いて作業をしている場合は次頁の「**PC と DVD Player の接続**」に進んでください。

書き込みソフトウェアを終了させている場合は **Start → Programs → Renesas → Flash Development Toolkit 3.3 → Flash Development Toolkit 3.3** をクリックして起動します。

Browse to another project workspace にチェックを入れて **OK** をクリックします。

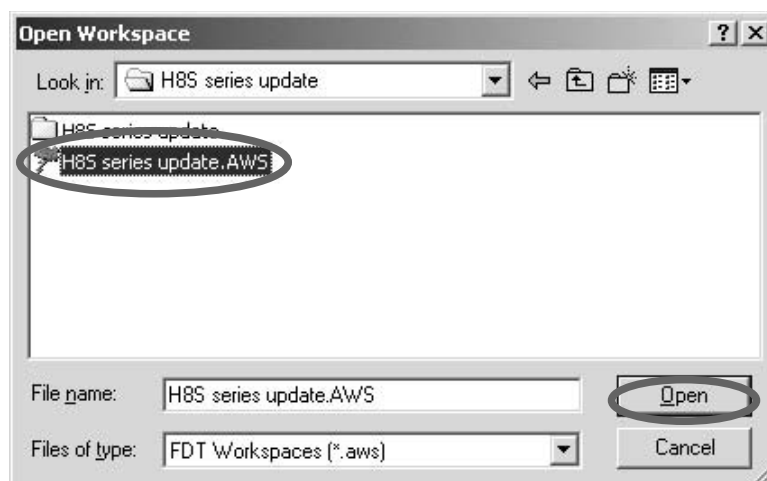


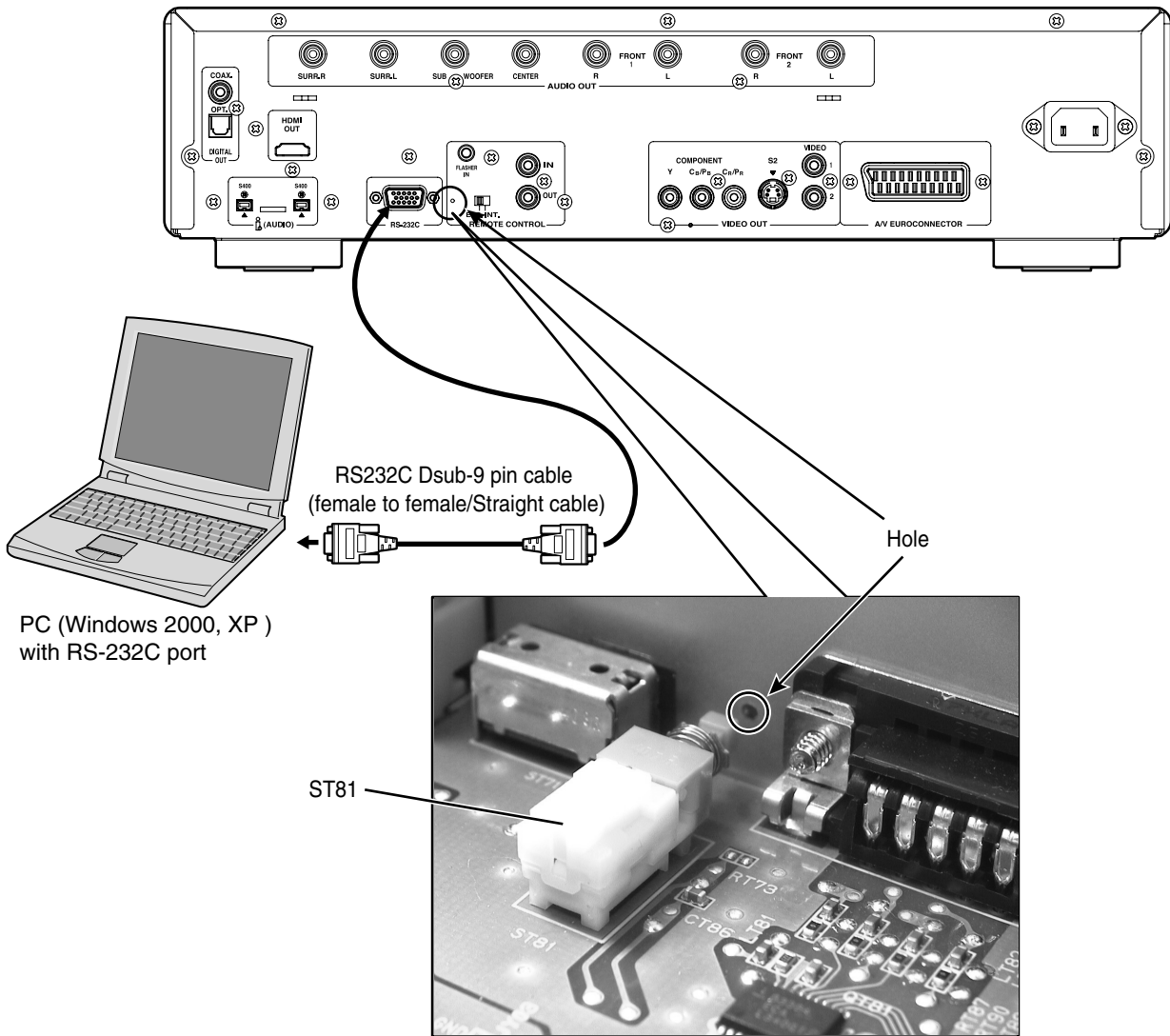
Click the **H8S series update.AWS**, and click **Open**.

Remark: The file is stored in c:\Program Files\Renesas\FDT3.3\Workspace\H8S series update.

H8S series update.AWS をクリックして、**Open** をクリックします。

注意) ファイルは c:\Program Files\Renesas\FDT3.3\Workspace\H8S series update に格納されています。





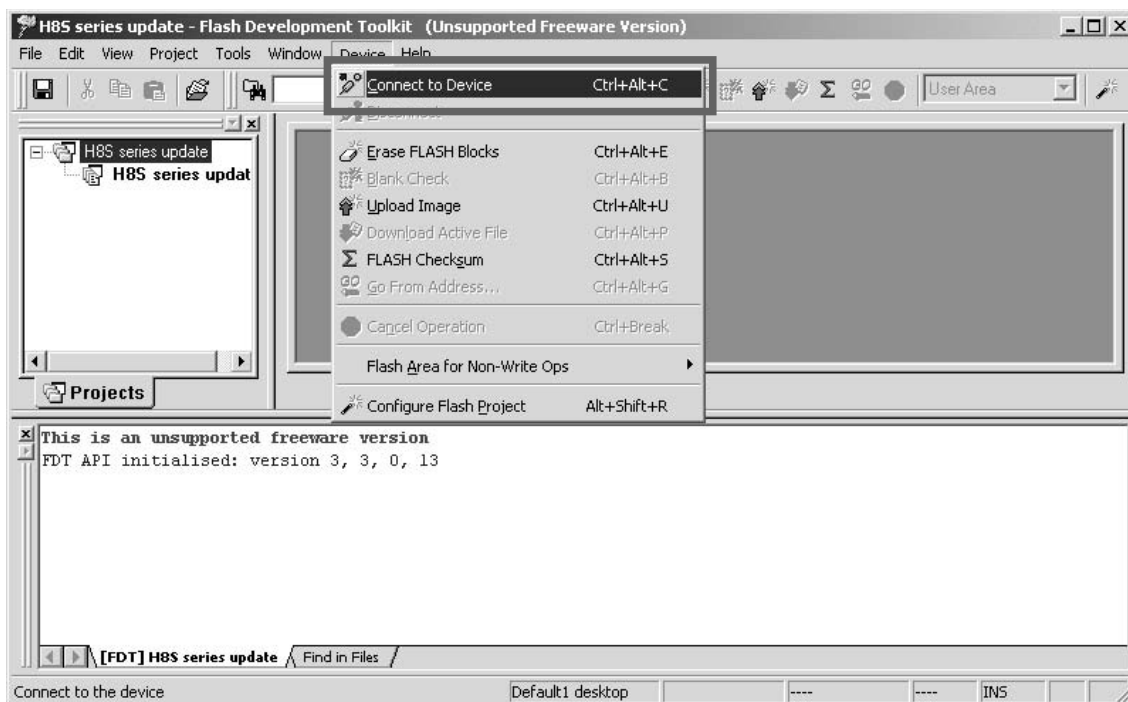
PC (Windows 2000, XP)
with RS-232C port

Connect RS-232C on the rear panel of the DVD Player and Serial Port of windows PC with RS-232C cable.
Insert a thin rod to the hole near the RS-232C Port and push the switch inside to turn on the switch.
Turn on by the **POWER** switch of DVD Player.
The DVD Player's **STANDBY** (red) and **DISPLAY OFF** (red) indicators turn on lights simultaneously.

Windows PC の Serial Port と DVD Player の RS-232C Port を RS-232C ケーブルで接続します。
細い棒を使い DVD Player の RS-232C Port の右となりにある穴からスイッチ (ST81) を押して書き込みモードに入ります。
DVD Player の Front Panel にある電源スイッチを押して電源を入れます。
DVD Player の **STANDBY**(赤)、**DISPLAY OFF**(赤) が点灯します。

Click **Device** in the menu bar and select **Connect to Device**.

書き込みソフトウェアの **Device** から **Connect to Device** を選びクリックします。



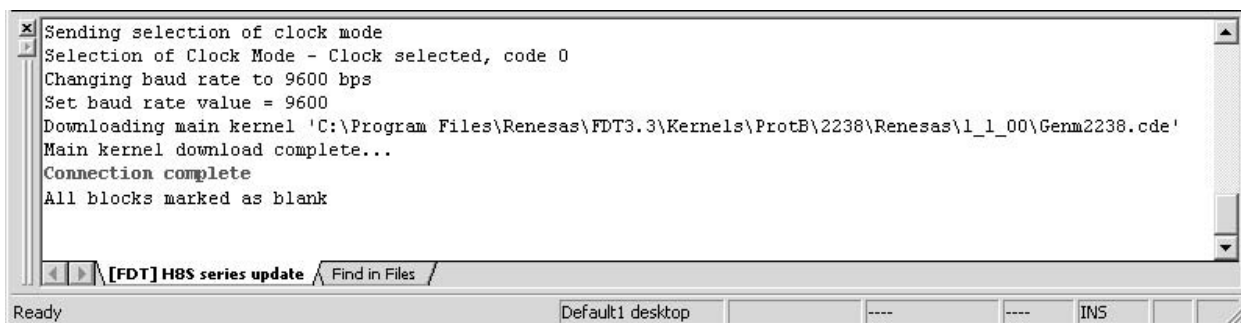
Error message will be displayed when an error occurs. Check the connection cable and select **Connect to Device** again.

接続に失敗すると下記のようなメッセージが出ます。ケーブル、接続を確認してもう一度 **Connect to Device** を行ってください。



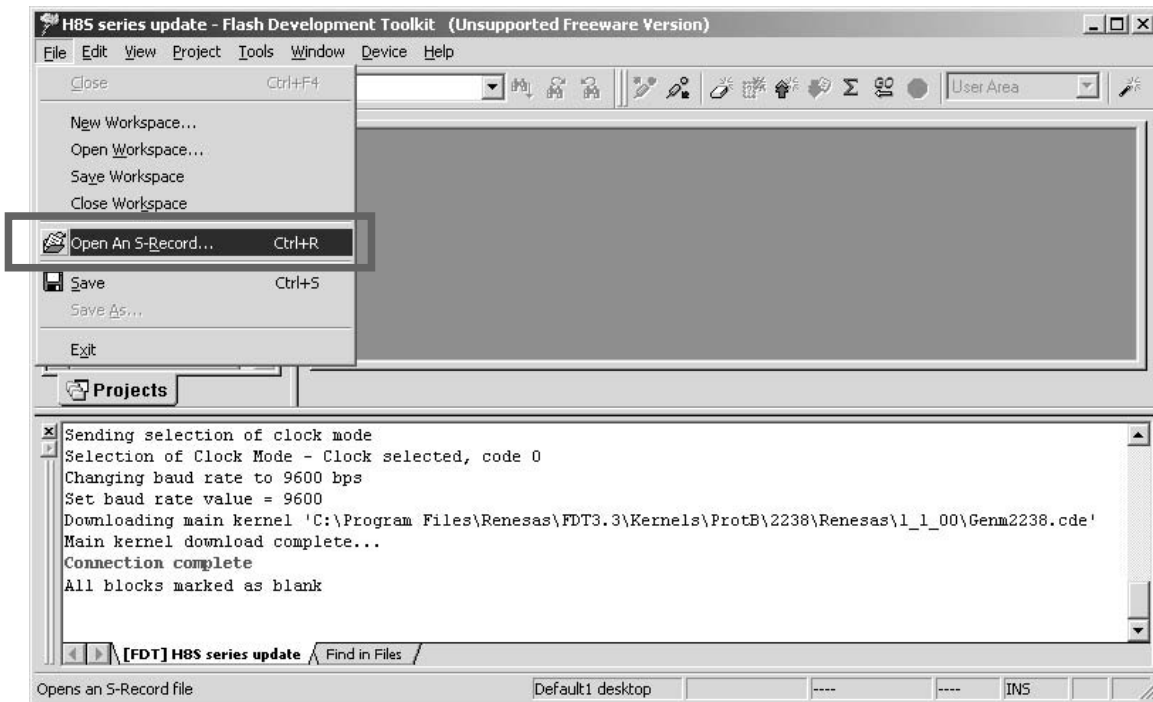
The following message is displayed that DVD Player connects with PC.

PC と DVD Player の接続に成功すると下記のようなメッセージが出ます。



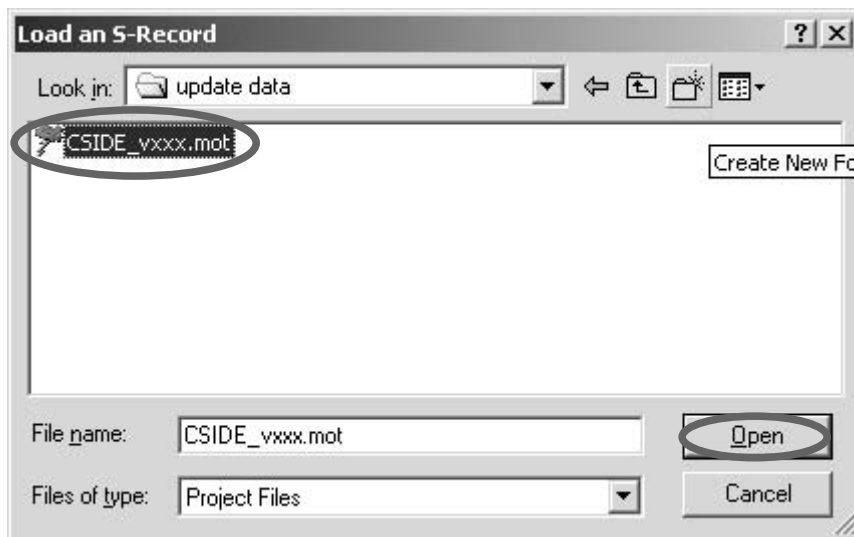
Click **File** in the menu bar and select **Open An S-Record...**

File から **Open An S-Record...** を選びクリックします。



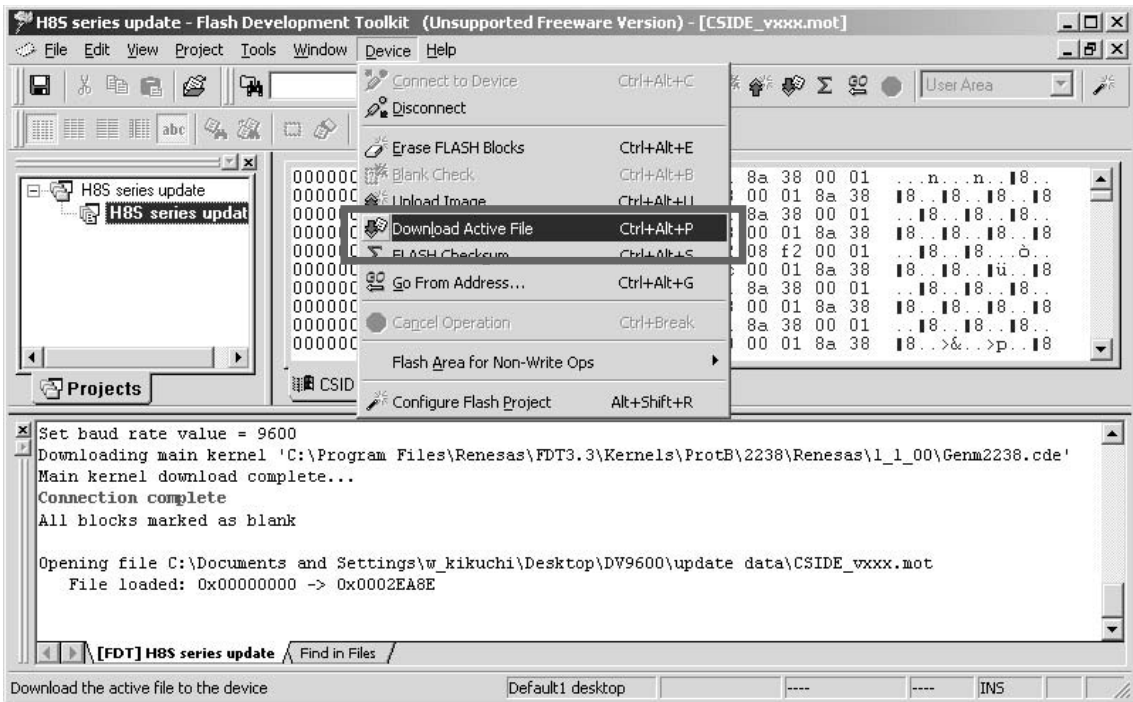
xxxxx.mot is selected. And click **Open**.

update data の xxxxx.mot をクリックして **Open** をクリックします。



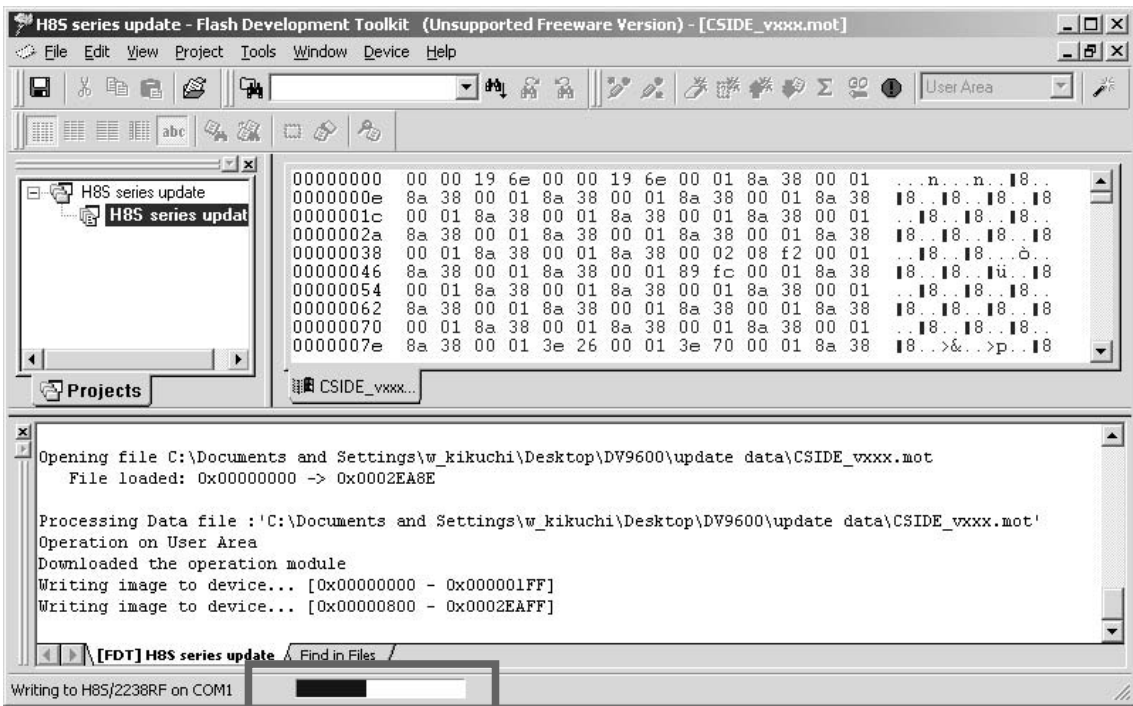
Click **Device** in the menu bar and select **Download Active File**.

Device から **Download Active File** を選びクリックします。



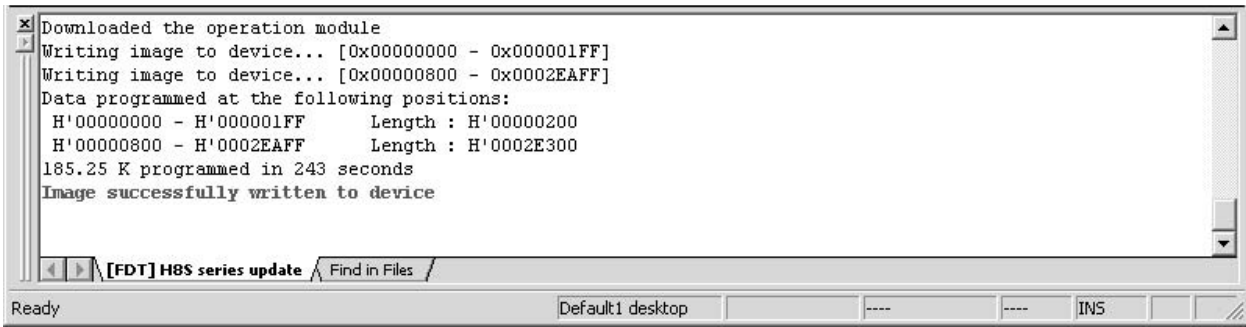
Software is written into the Panel microprocessor.

書き込みが開始され左下にステータスバーが出ます。



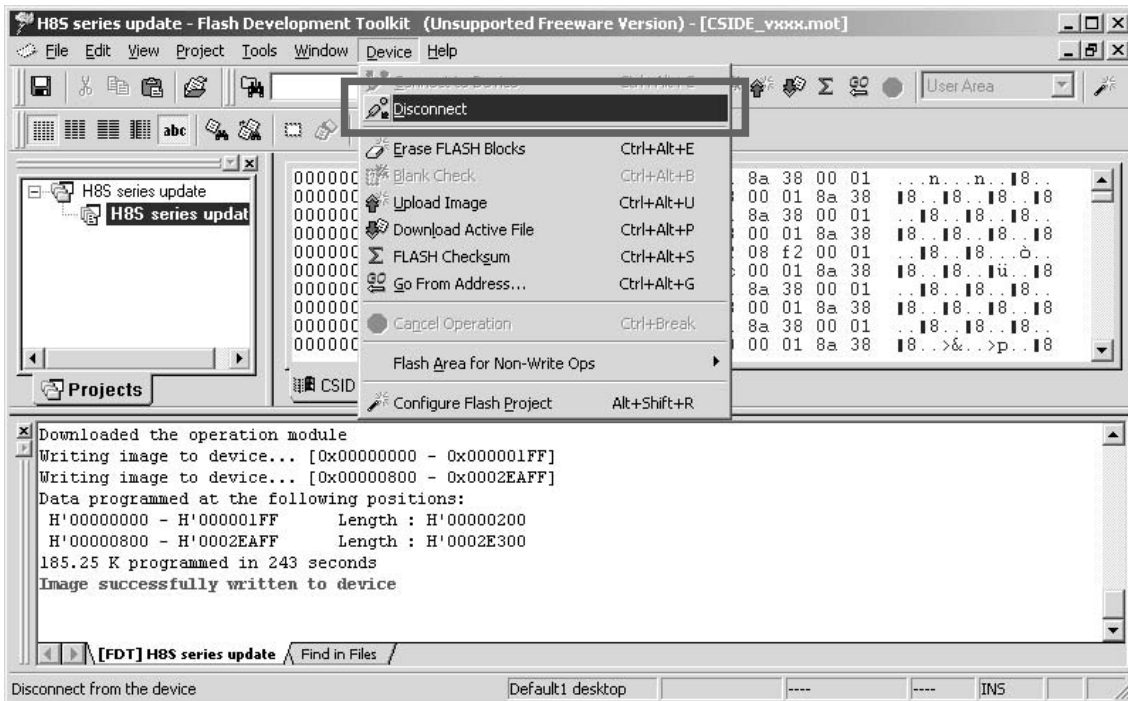
The following message is displayed when the writing of software was completed.

書き込みが完了すると下記のようにメッセージが表示されます。



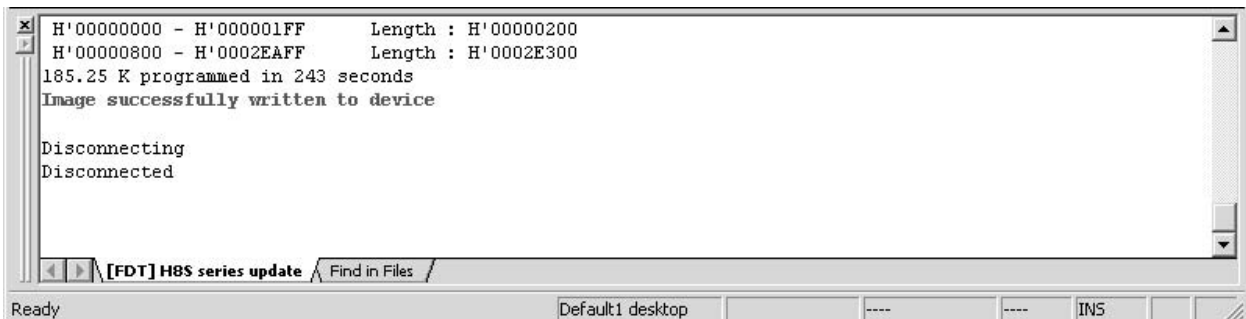
Click **Device** in the menu bar and select **Disconnect**.

Device から **Disconnect** をクリックします。



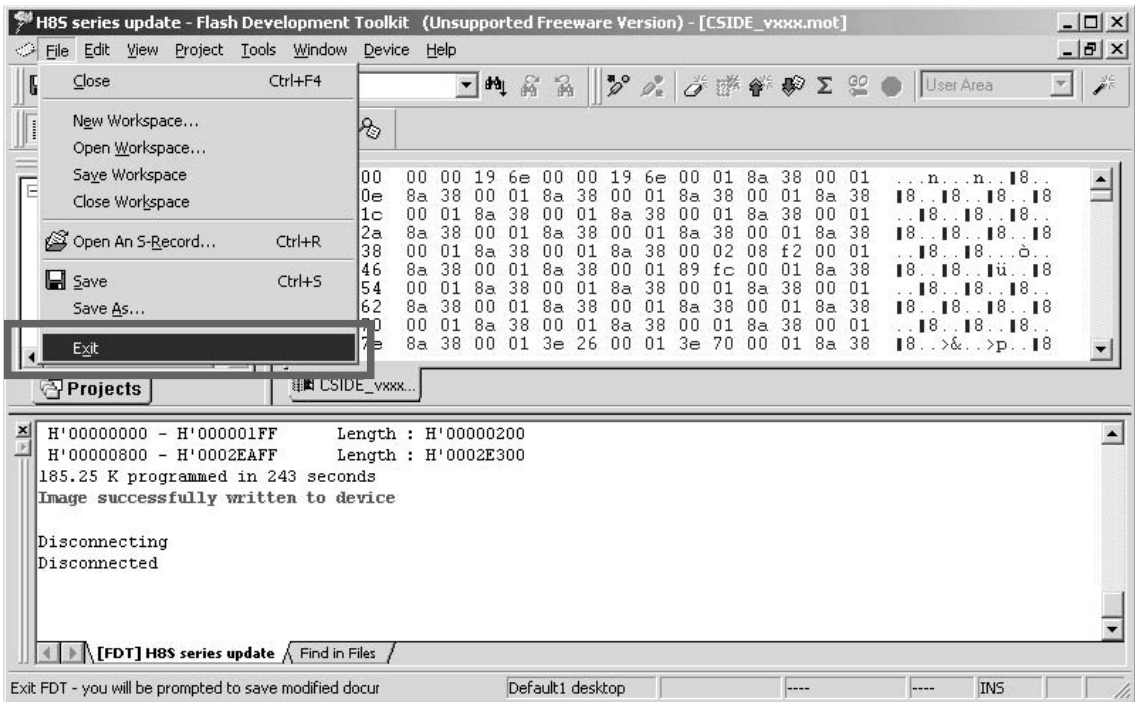
The following message is displayed that DVD Player disconnects with PC.

DVD Player との接続が切断されたメッセージが表示されます。



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

File から **Exit** をクリックして書き込みソフトウェアを終了します。



Turn off by the **POWER** switch in the front panel of DVD Player.

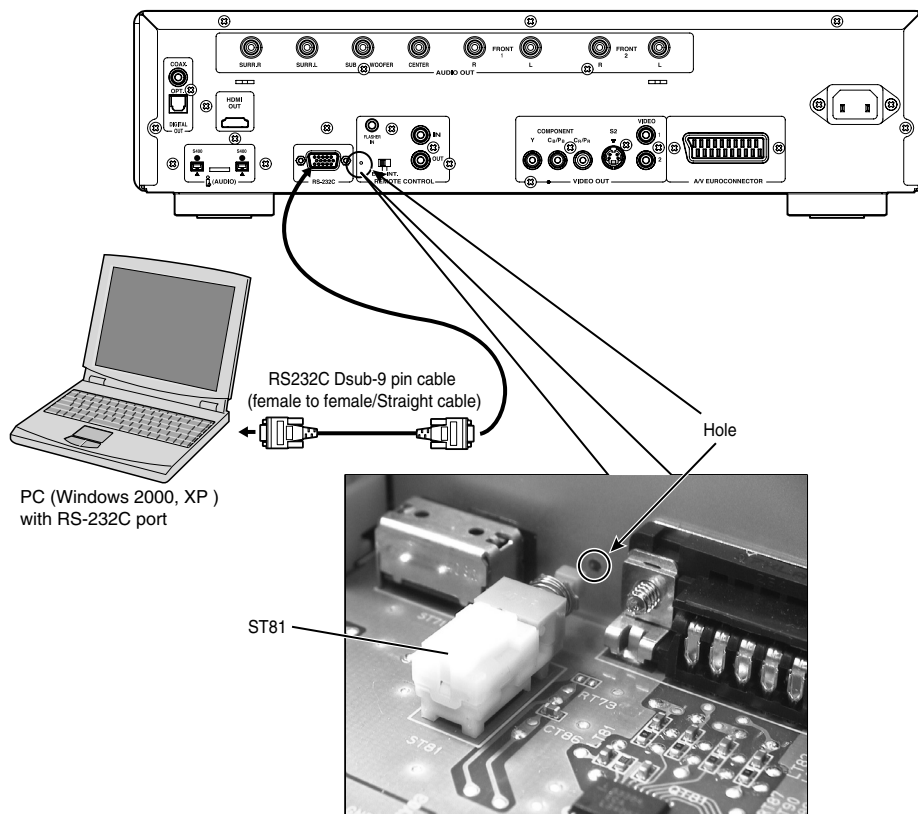
DVD Player の Front Panel にある電源スイッチを押して電源を切ります。

After The DVD Player's STANDBY (red) and DISPLAY OFF (red) indicators turn off lights, Insert a thin rod to the hole near the RS-232C Port and push the switch inside to turn off the switch.

STANDBY, DISPLAY OFF のランプが消灯したら RS-232C の右横の穴からスイッチを押し書き込みモードを解除します。

Disconnect RS-232C cable of the DVD Player and Serial Port of windows PC.

RS-232C のケーブルを外します。



7. SERVICE MODE

Press the **POWER ON/OFF** button while pressing **STOP** and **FL OFF** buttons in front panel of DVD Player.

The front display indicates "**S-MODE_NO.**".

Press the **1, 4, 3** and **PLAY** buttons of the remote controller in order, while indicating "**S-MODE_NO.**".

The front display indicates "**SERVICE_2**".

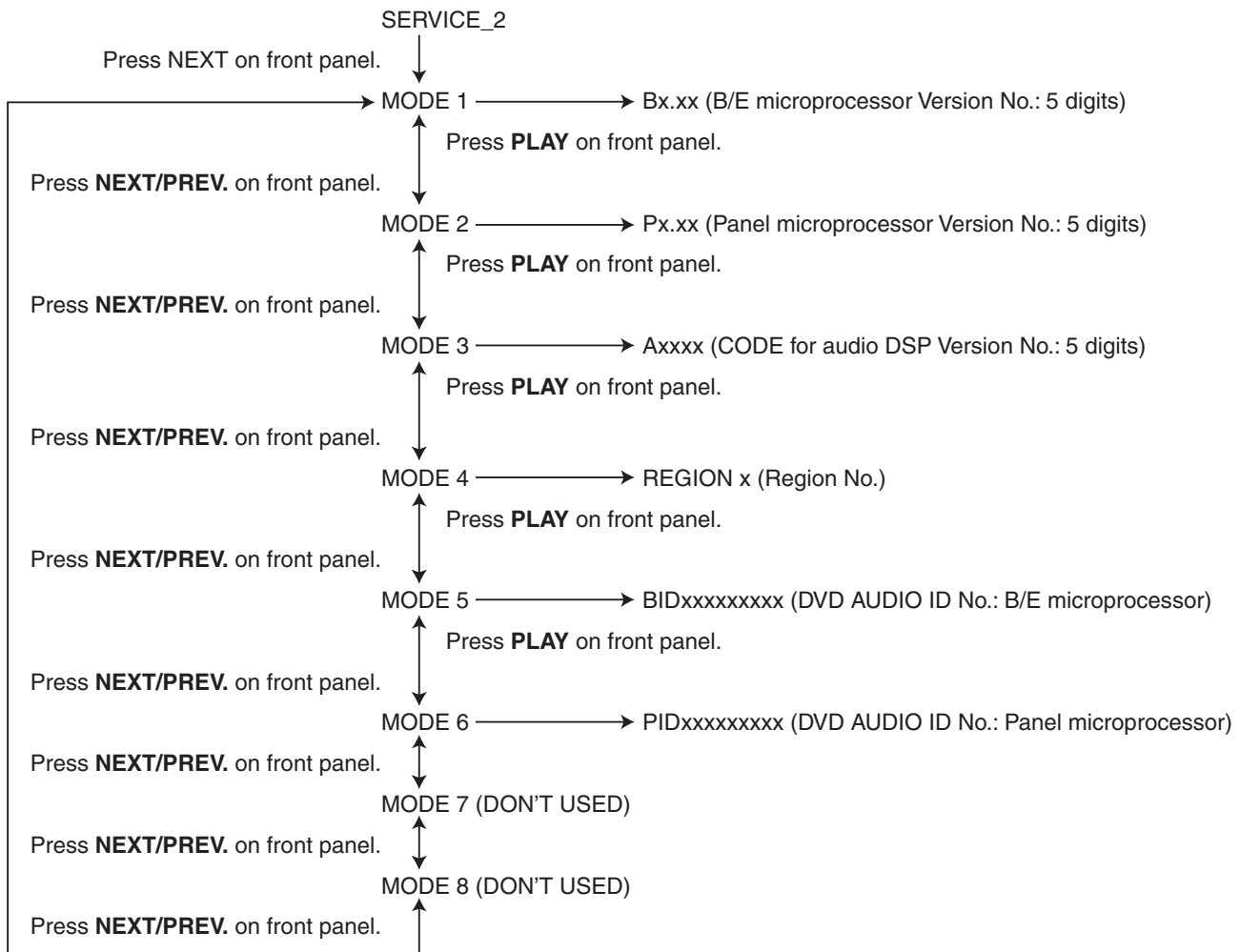
7. SERVICE MODE

DVD Player のフロントパネルにある **STOP** と **FL OFF** ボタンを押しながら **POWER ON/OFF** ボタンを押します。

フロントディスプレイに **S-MODE_NO.** と表示されます。

この表示が出ている間に (10 秒間) リモコンから **1、4、3、PLAY** を押します。

フロントディスプレイに **SERVICE_2** と表示されます。



8. WRITE-IN ID DATA FOR DVD AUDIO PROCEDURE

A case writing is needs

Writing is needed when Q103 (PM01) was replaced.

Necessary Equipment

Windows PC (With Serial Port)
RS-232C Cable straight type (9 Pin female - 9 Pin female)
Writing software (CPPMset.exe)
ID data and ID number

Remark: Only one ID data and ID number are assigned to the serial number of DVD Player., Beforehand, please ask customer center "ID data" and "ID number" corresponding to the serial number of DVD Player.

Writing time

The writing of ID data for DVD AUDIO takes about 2 seconds.

Writing procedure

1. Put the "CPPM" folder into anywhere on your PC's hard disc.
2. Move ID data suitable for the serial number ordered in advance to the "DeviceKey" folder in a "CPPM" folder.

Remark: Please set only to one ID data put on a "DeviceKey" folder. If two or more ID data is placed, writing may not be made correctly.

3. Open the "CPPM.ini" in a "CPPM\marantz" folder by text editors, such as Note pad.

8. DVD AUDIO 用 ID データの書き込み方法

書き込みが必要なとき

Q103(PM01) を交換したときに書き込みが必要になります。

必要機器

Windows PC (Serial Port 付き)
RC-232C ケーブル (9pin メス - 9Pin メス ストレートタイプ)
書き込みソフト (CPPMset.exe)
ID データと ID ナンバー

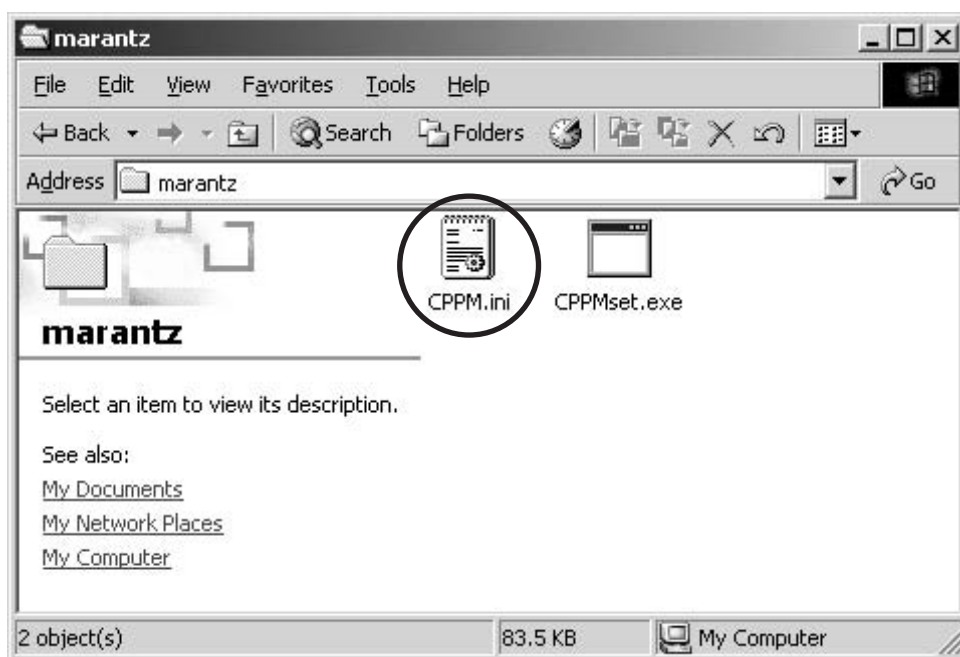
注意 : ID データと ID ナンバーは DVD Player のシリアルナンバーに対して 1 つ割り当てられています。書き込みを行う際は DVD Player のシリアルナンバーに対応した ID データと ID ナンバーを事前にカスタマーセンターより取り寄せてください。

書き込み時間

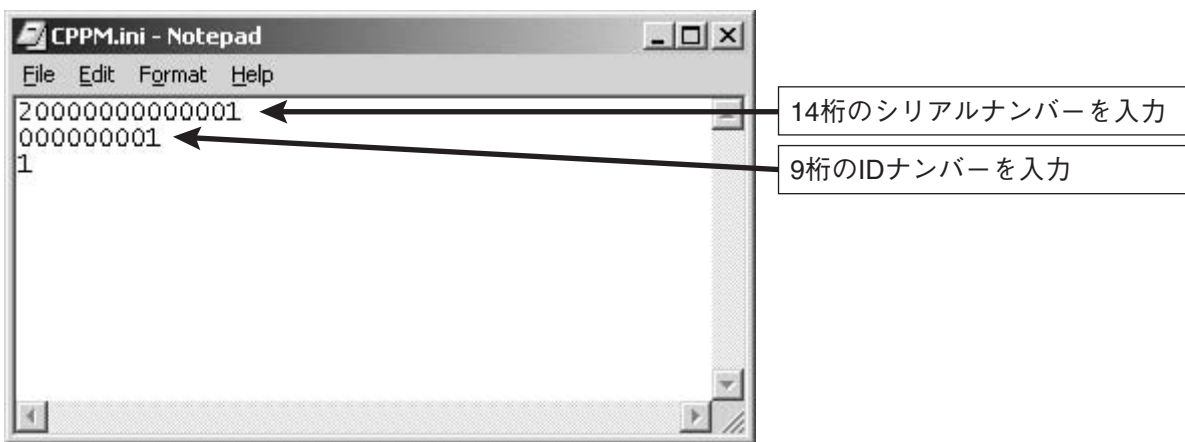
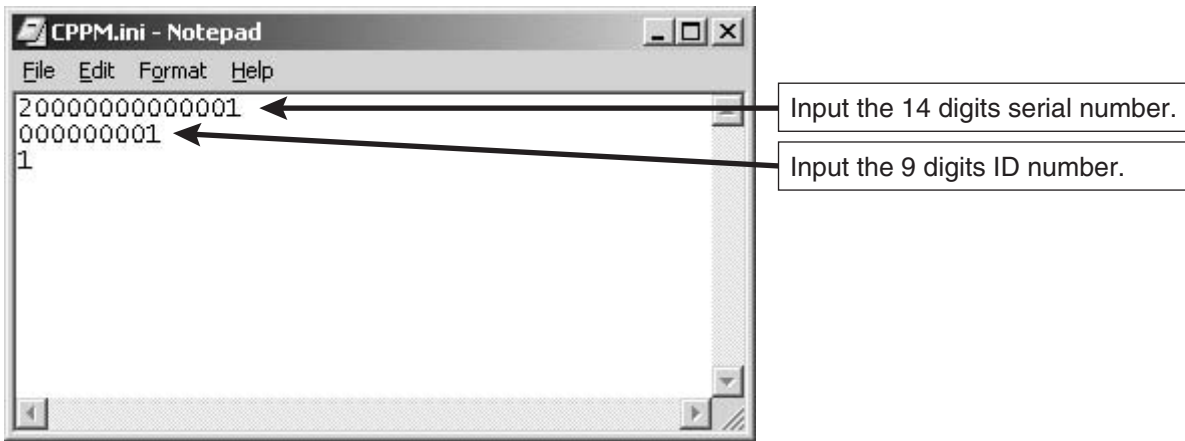
この DVD AUDIO 用 ID データの書き込み時にかかる時間はおよそ 2 秒です。

書き込み手順

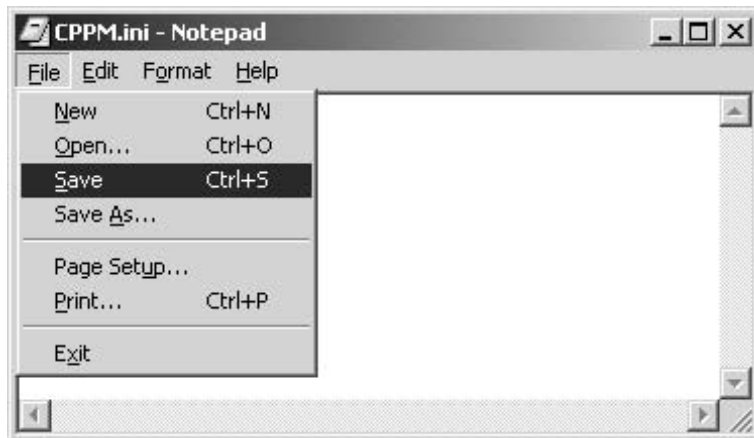
1. Windows PC の任意のフォルダに CPPM フォルダをコピーします。
2. 事前に取り寄せたシリアルナンバーに合った ID データを CPPM フォルダ内の DeviceKey フォルダに移動します。
注意 : DeviceKey フォルダに置く ID データは 1 つだけにしてください。複数の ID データを置くと正しく書き込みが出来ない場合があります。
3. CPPM\marantz フォルダ内にある CPPM.ini を Note pad などのテキストエディタで開きます。



4. Type in the serial number of DVD Player to the first line.
And type in ID number to the second line.
4. 一行目に DVD Player のシリアルナンバーを入力します。
二行目に ID ナンバーを入力します。

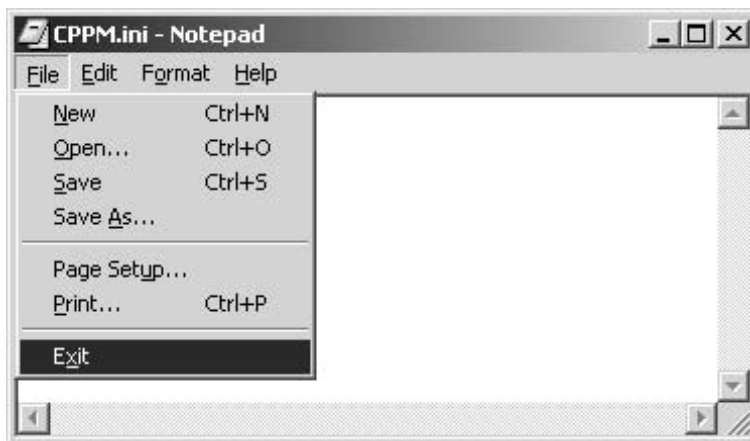


5. Click the "Save Ctrl+S" in the File.
5. File から Save Ctrl+S をクリックして保存します。



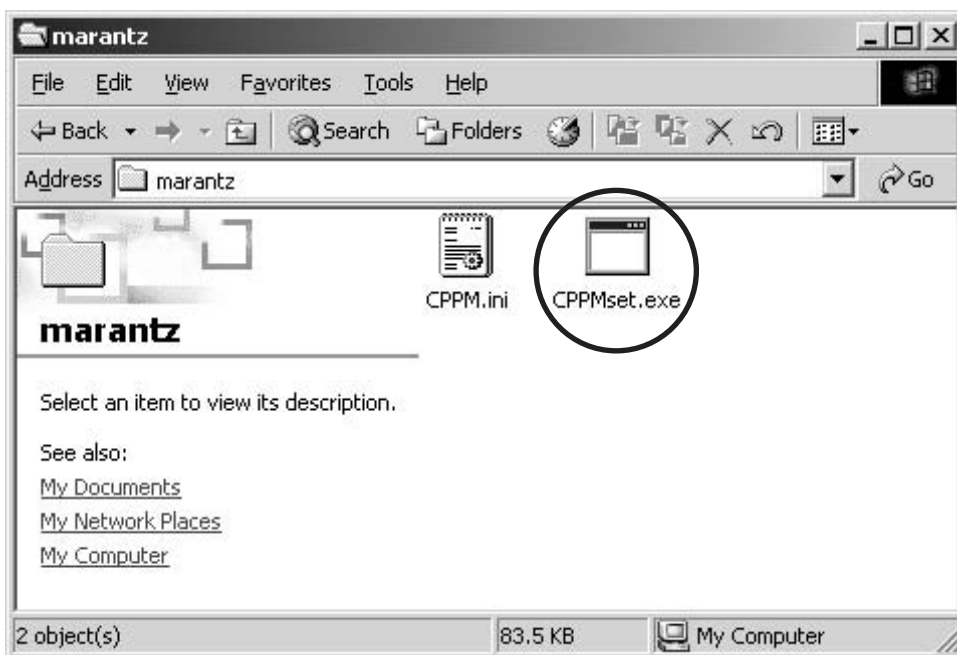
6. Click the "Exit" in the File.

6. File から Exit をクリックして閉じます。



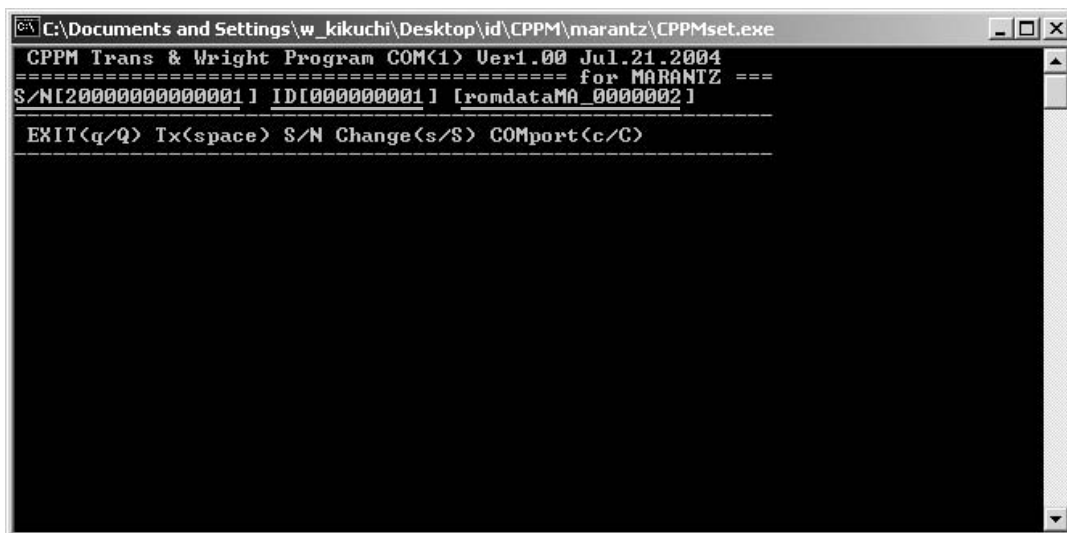
7. Connect RC-232C on the rear panel of DVD Player and Serial Port of windows PC with RS-232C cable.
8. Turn on the power of DVD Player into the writing mode.
 - 8.1 Press the **POWER ON/OFF** button while pressing **STOP** and **FL OFF** buttons in front panel of DVD Player.
 - 8.2 The front display indicates "**S-MODE_NO.**".
 - 8.3 Press the **1, 2, 1** and **PLAY** buttons of the remote controller in order, while indicating "**S-MODE_NO.**".
 - 8.4 The front display indicates "**AUDIO_ID**".
9. Double click the "**CPPMset.exe**" in the CPPM\marantz folder.

7. Windows PC の Serial Port と DVD Player のリアパネルにある RS-232C コネクタを RS-232C ケーブルで接続します。
8. DVD Player を CPPM 書き込みモードにします。
 - 8.1 DVD Player のフロントパネルにある **STOP** と **FL OFF** ボタンを押しながら **POWER ON/OFF** を押します。
 - 8.2 フロントディスプレイに **S-MODE_NO.** と表示されます。
 - 8.3 この表示が出ている間に (10 秒間) リモコンから **1, 2, 1**、**PLAY** を押します。
 - 8.4 フロントディスプレイに **AUDIO_ID** と表示されます。
9. CPPM\marantz フォルダ内の **CPPMset.exe** をダブルクリックします。



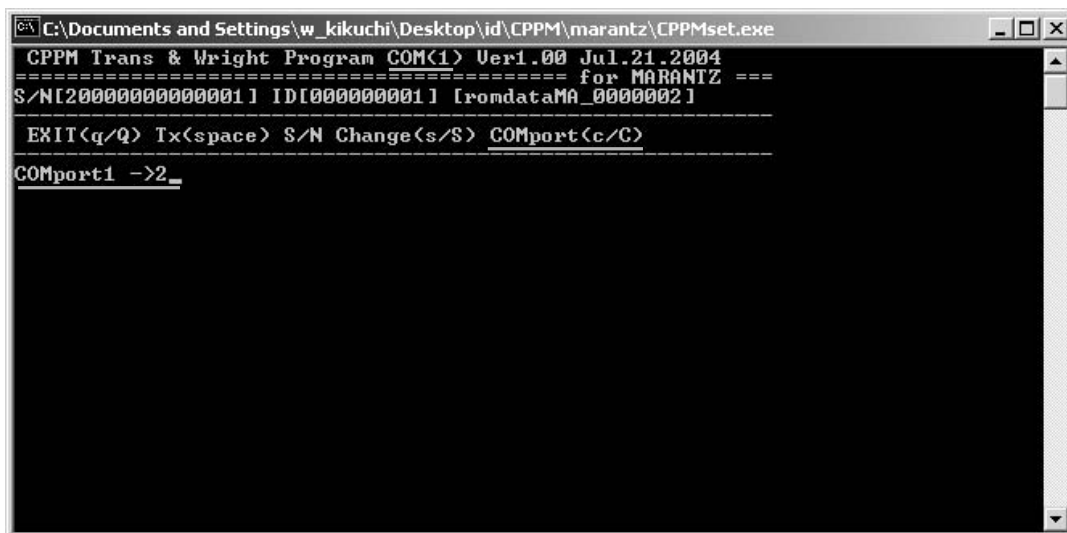
10. The picture shown below is displayed. Check the serial number (S/N), ID number (ID), and ID data are right.

10. ID書き込みソフトが立ち上がります。シリアルナンバー (S/N)、ID ナンバー (ID) と ID データが正しいか確認してください。



11. Check the Serial Port number. When serial port numbers differ, Press the **C** key of a keyboard, input the right serial port number, and press the **Enter** key and changed.

11. Serial Port の確認をします。接続した Serial Port Number と違う場合はキーボードの **C** を押し、接続した Serial Port Number を入力してキーボードの **Enter** を押して変更します。



12. Press the **space** key of a keyboard and write ID data into the DVD Player.
13. Display "**Under transmission...**". And terminates the software automatically, when writing was completed. The writing of ID data for DVD AUDIO takes about 2 seconds.

12. キーボードのスペースキーを押して、ID データを DVD Player 書き込みます。
13. **Under transmission...** と表示され、書き込みが完了するとソフトウェアは自動的に閉じます。転送にかかる時間はおよそ 2 秒です。

```

C:\Documents and Settings\w_kikuchi\Desktop\id\CPPM\marantz\CPPMset.exe
CPPM Trans & Wright Program COM(1) Ver1.00 Jul.21.2004
==== for MARANTZ ====
S/N[20000000000001] ID[000000001] [romdataMA_0000002]
-----
EXIT(q/Q) Tx(space) S/N Change(s/S) COMport(c/C)
Under transmission...

```

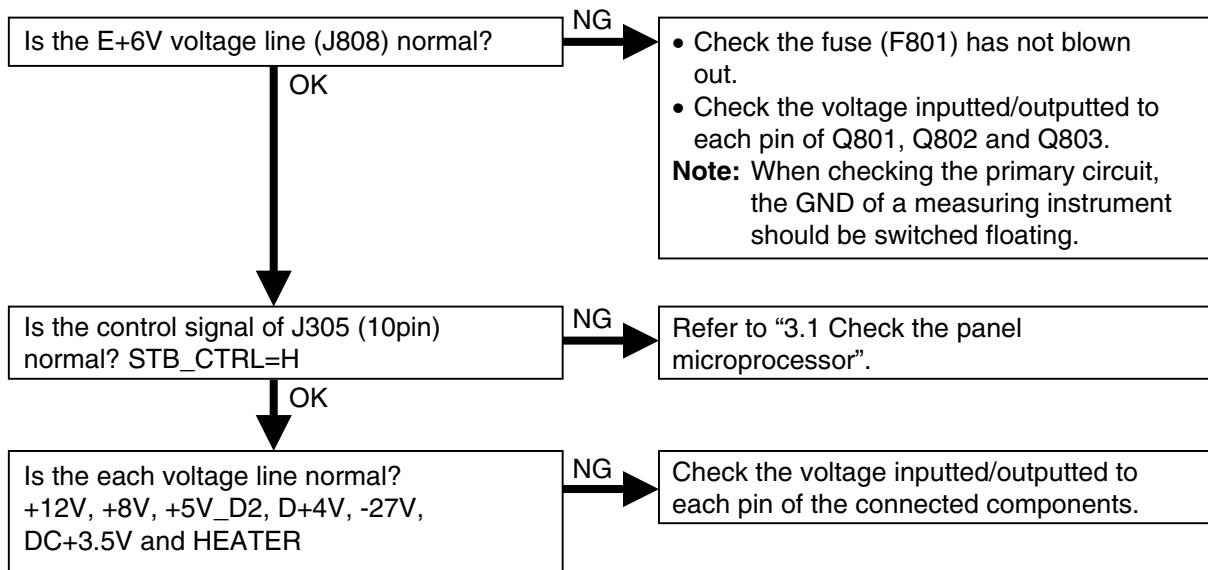
14. Please check written-in ID data by MODE5 and MODE6 of SERVICE MODE.

14. 書き込まれた ID データの確認は SERVICE MODE の手順に従い MODE5、MODE6 にて確認してください。

9. TROUBLESHOOTING

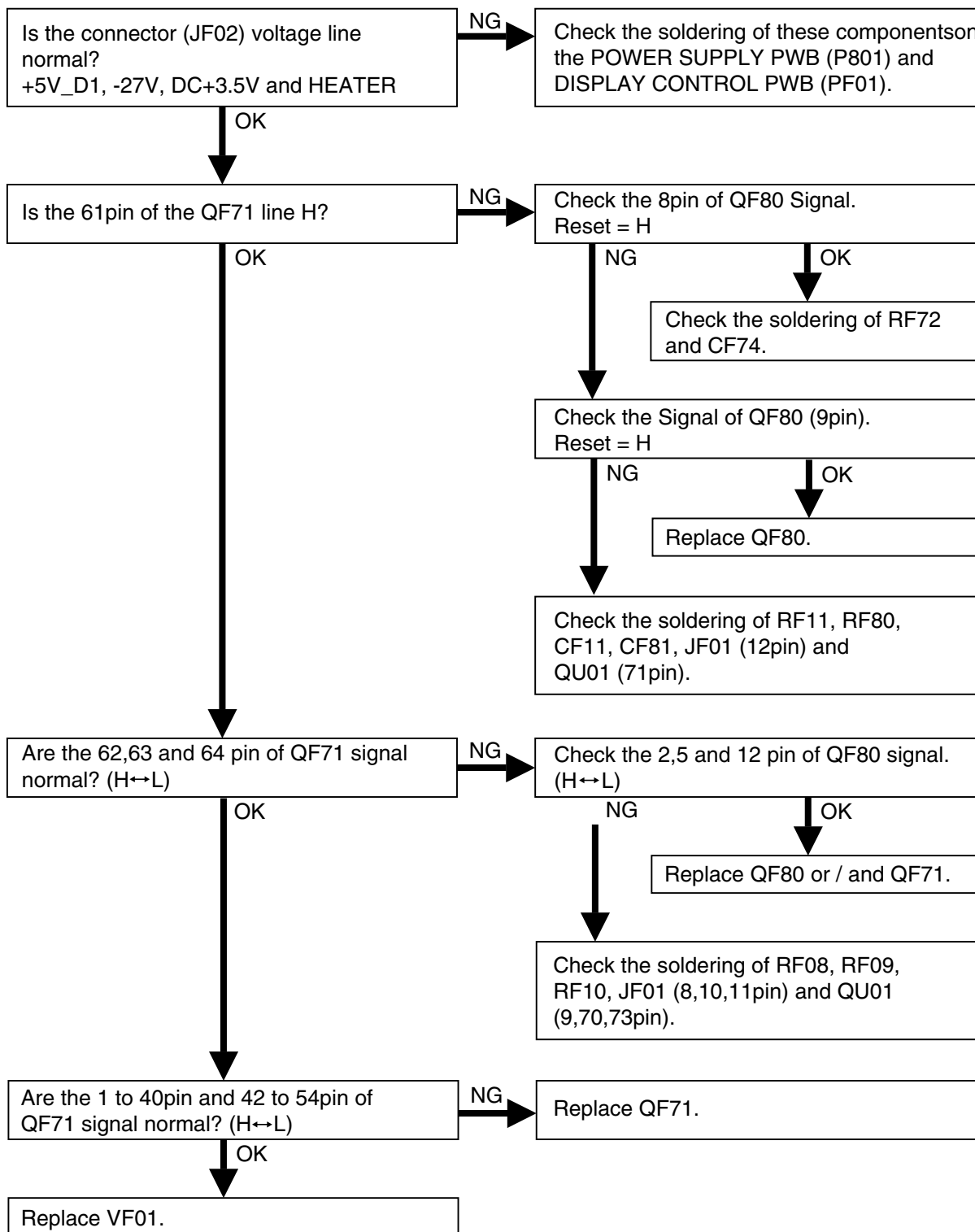
1. Power Supply PWB (P801)

1.1 The power cannot be turned on.

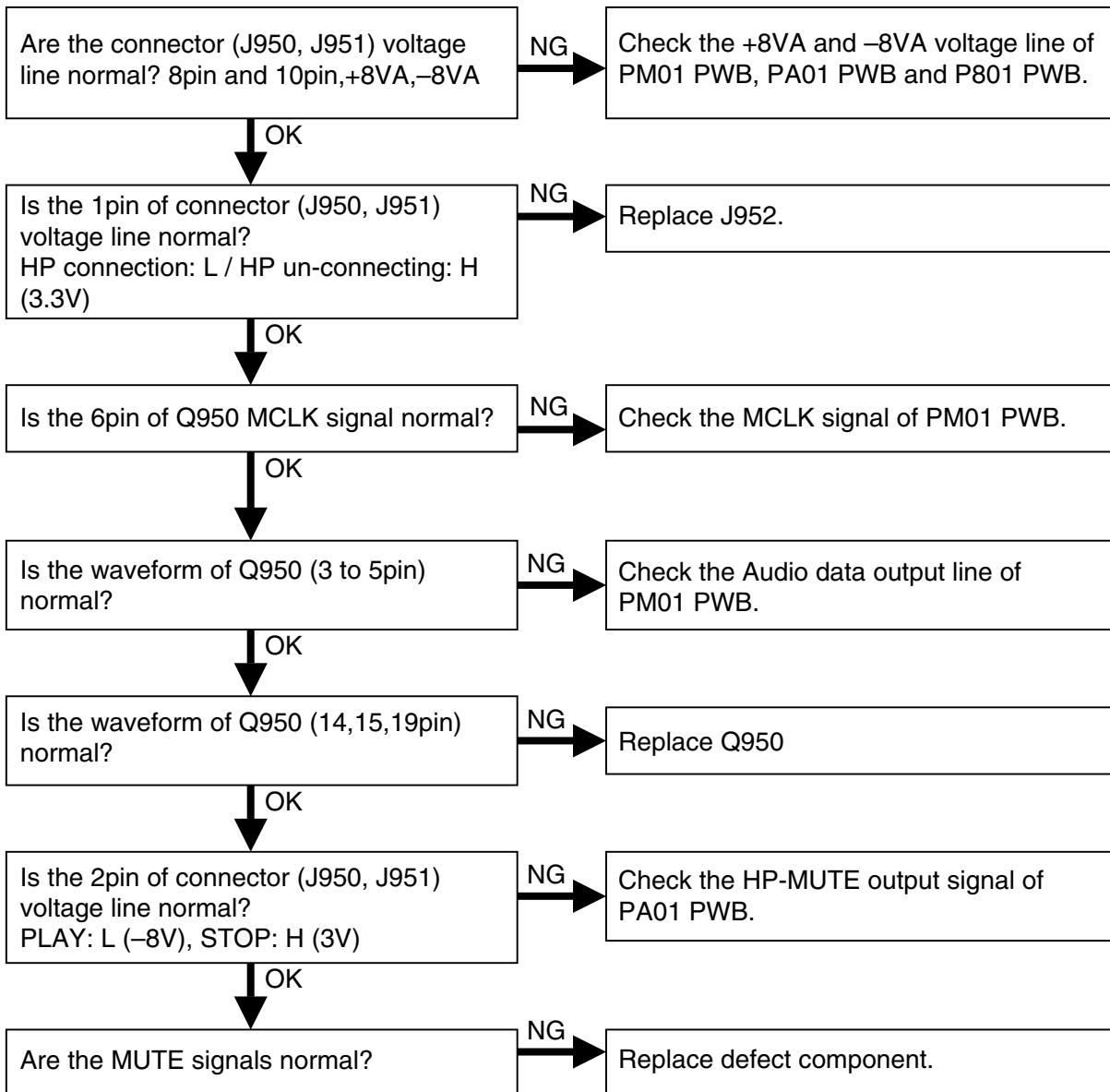


2. DISPLAY CONTROL PWB (PF01) / PHONE PWB (PH01)

2.1 FL is not outputted.

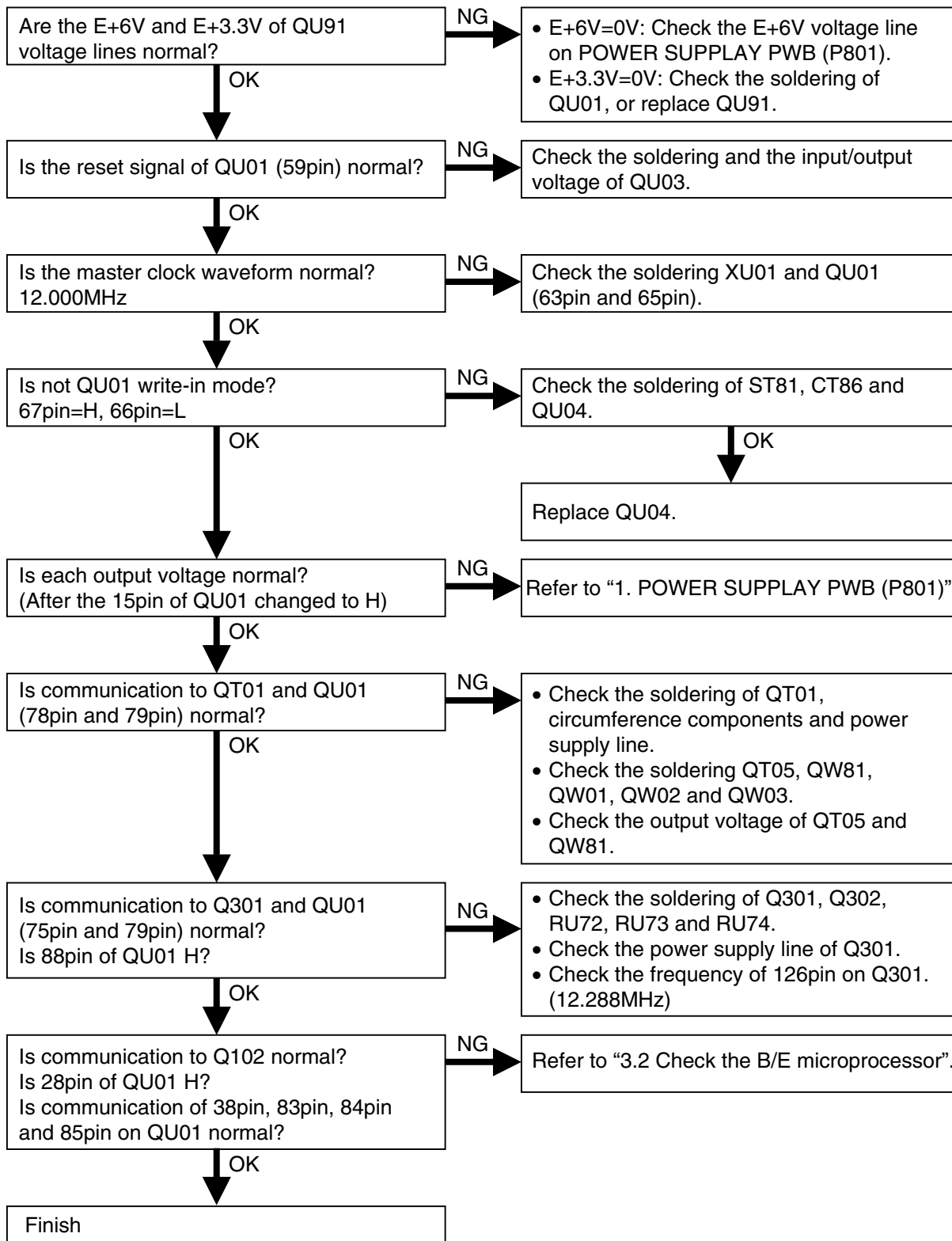


2.2 No sound is output from Phones. (The headphones are connected to PHONES jack.)

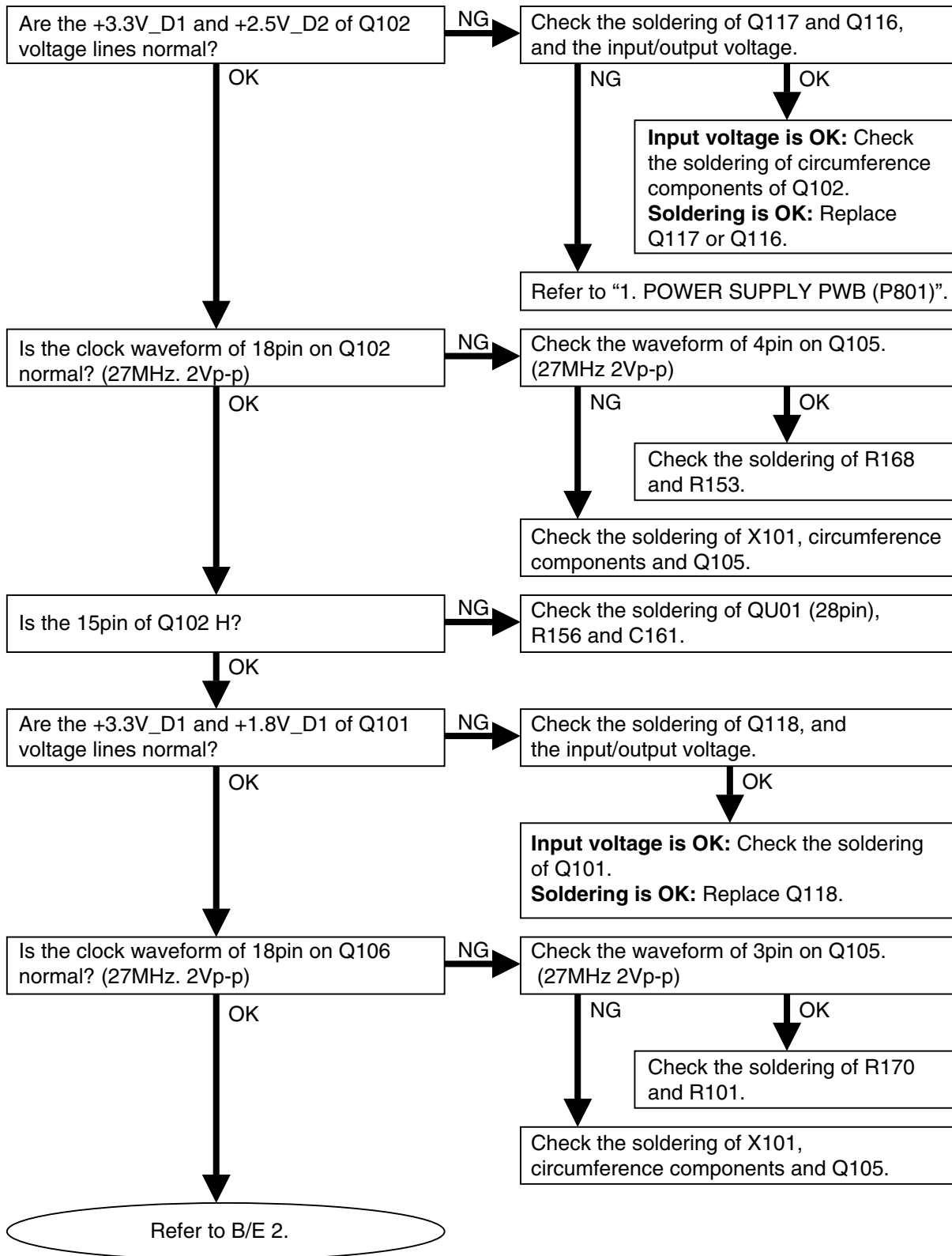


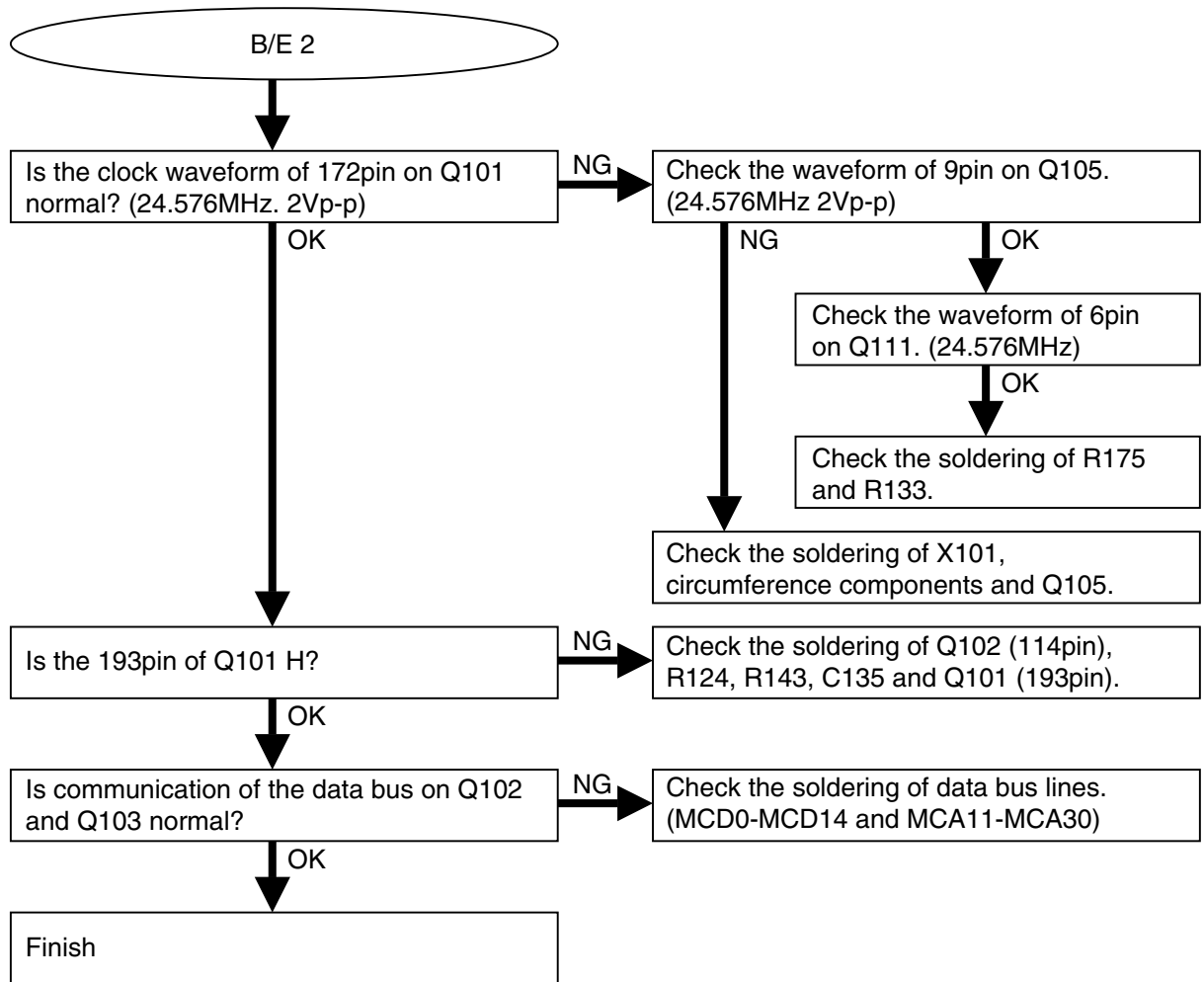
3. Main PWB (PM01)

3.1 Check the panel microprocessor

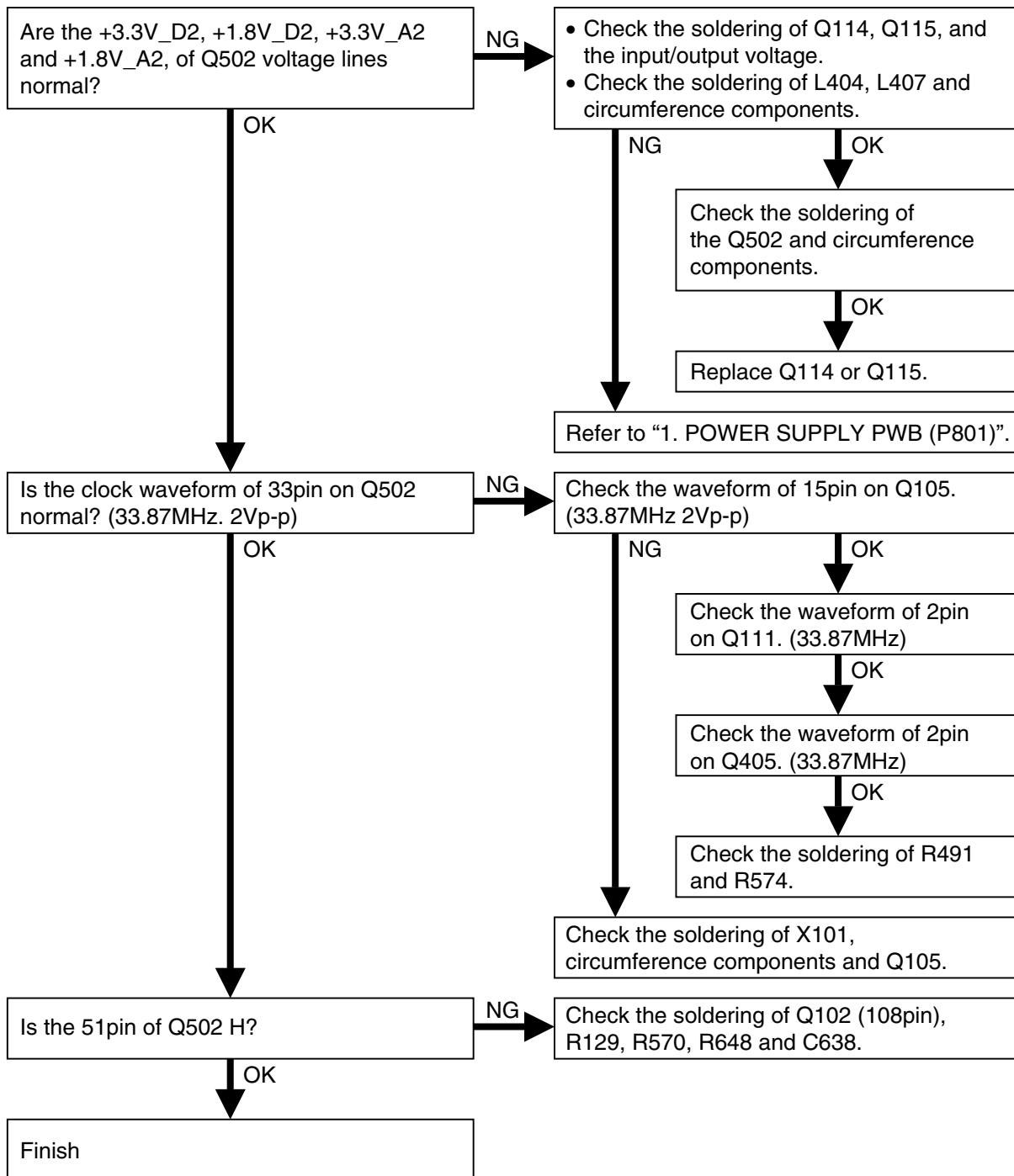


3.2 Check the B/E microprocessor

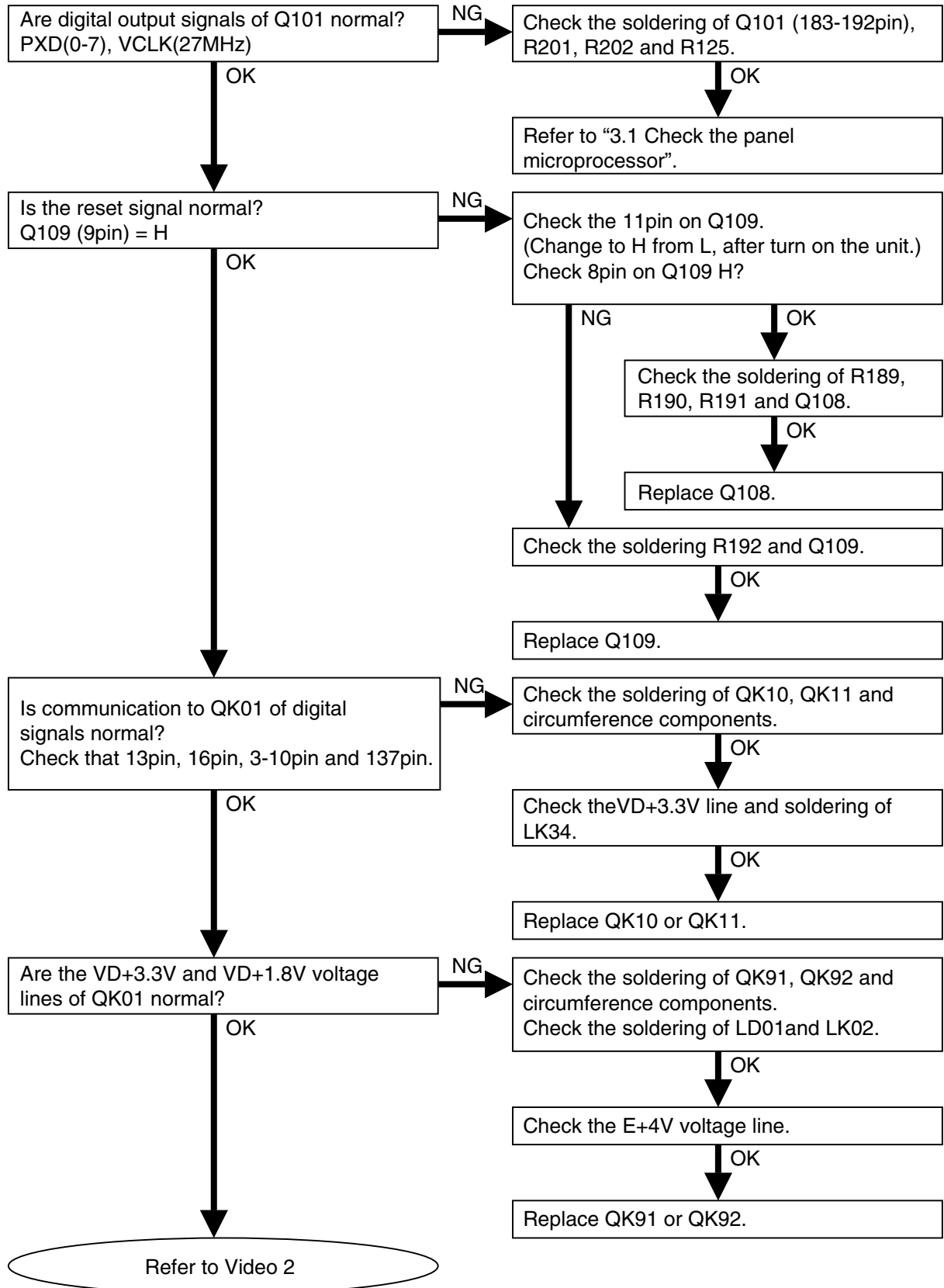


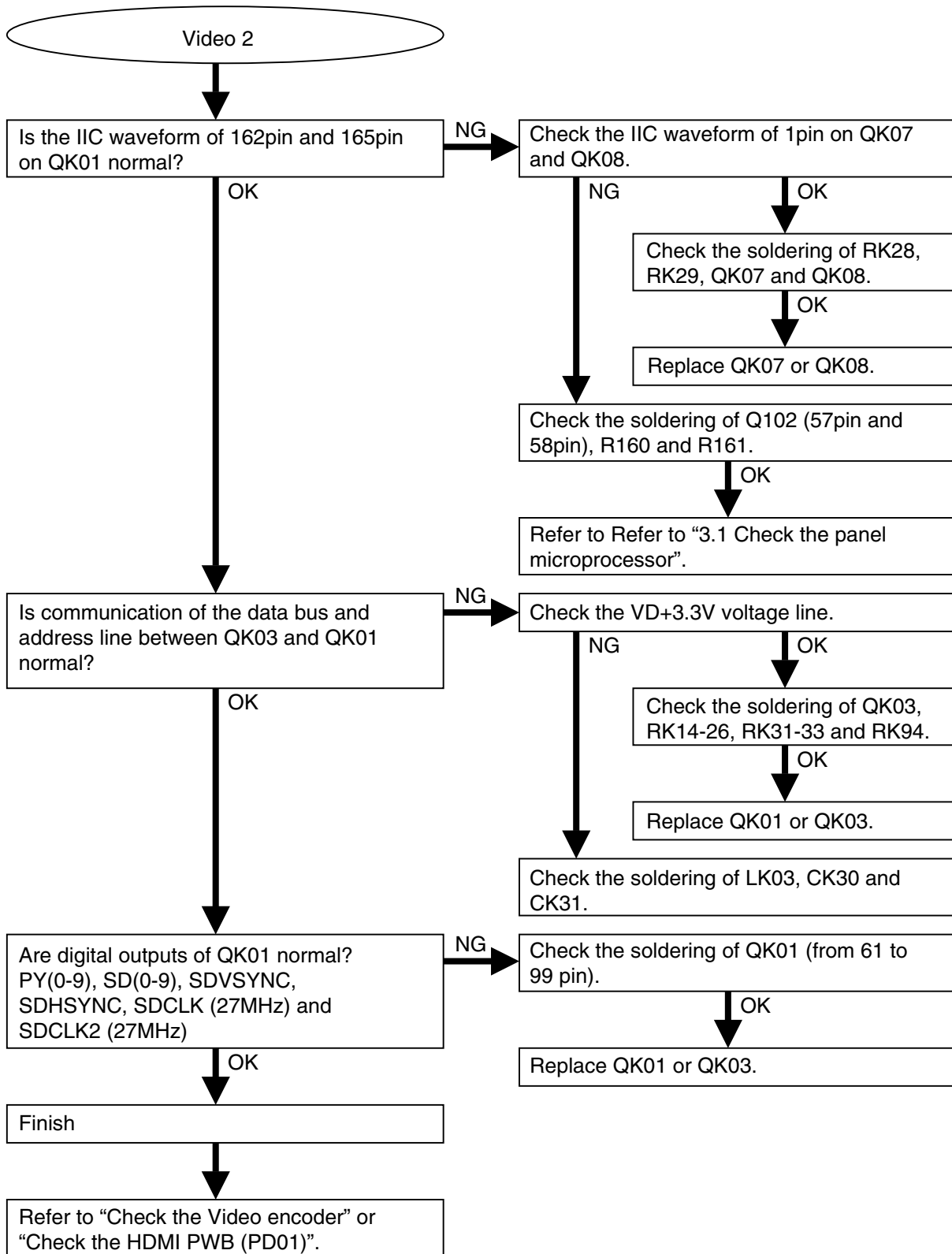


3.3 Check the F/E microprocessor.

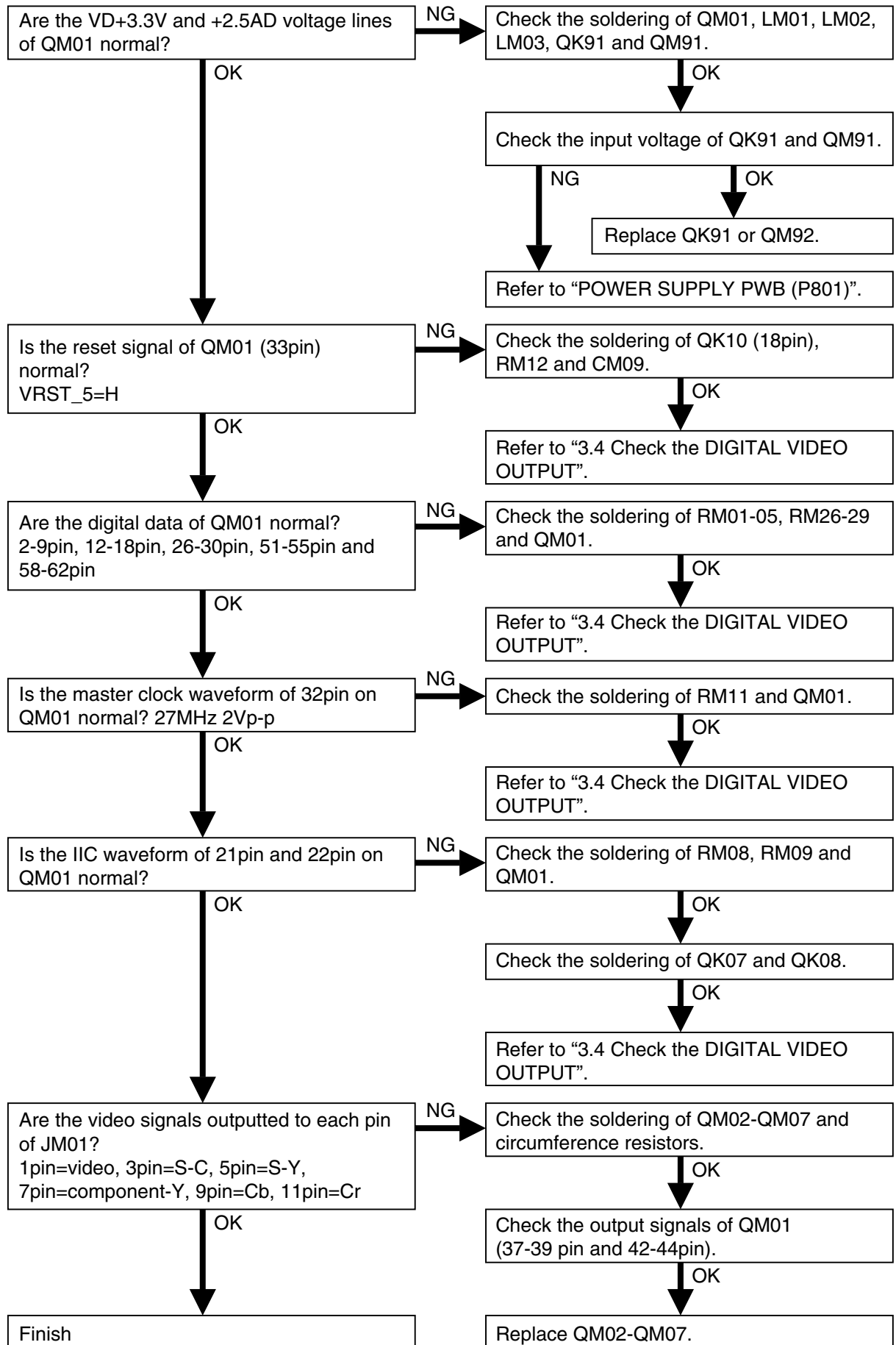


3.4 Check the DIGITAL VEDEO OUTPUT.

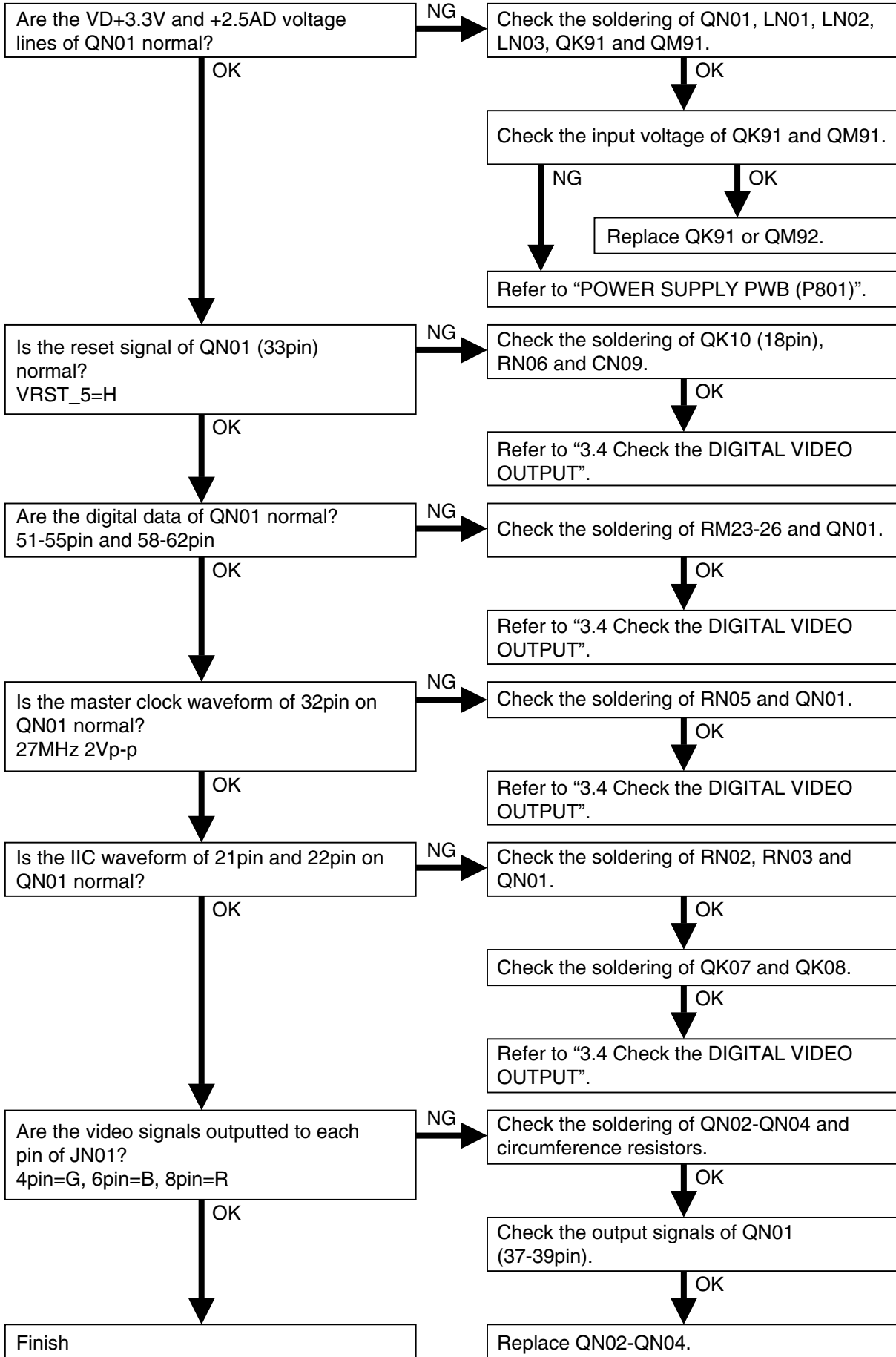




3.5 Check the Video encoder. (Component, CVBS, Y/C)

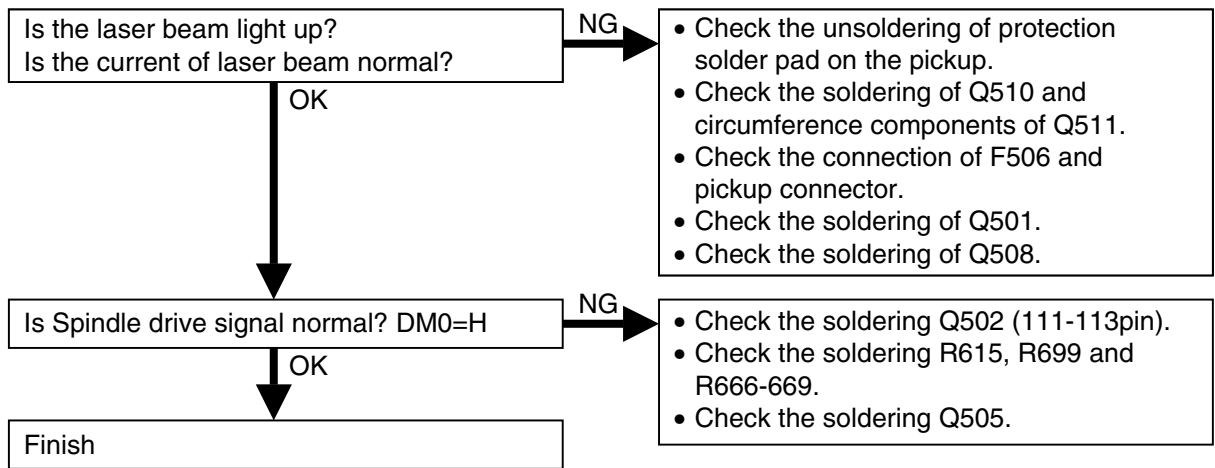


3.6 Check the Video encoder. (RGB)

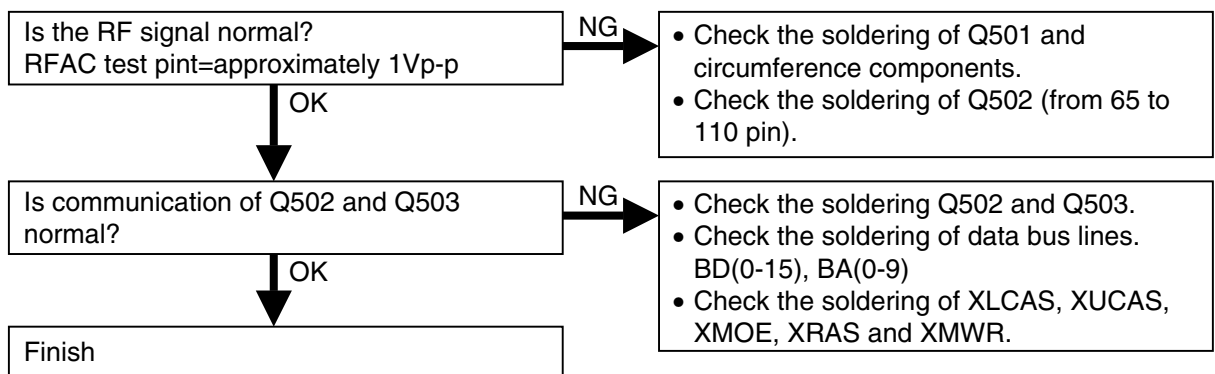


3.7 Check the Playback disc.

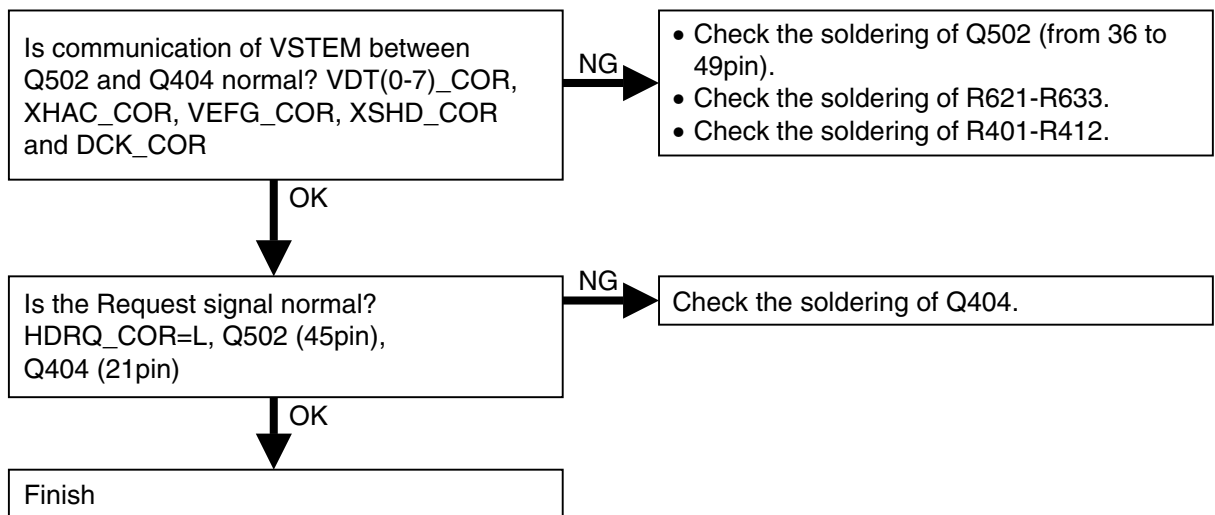
3.7.1 Loader is not rotate.



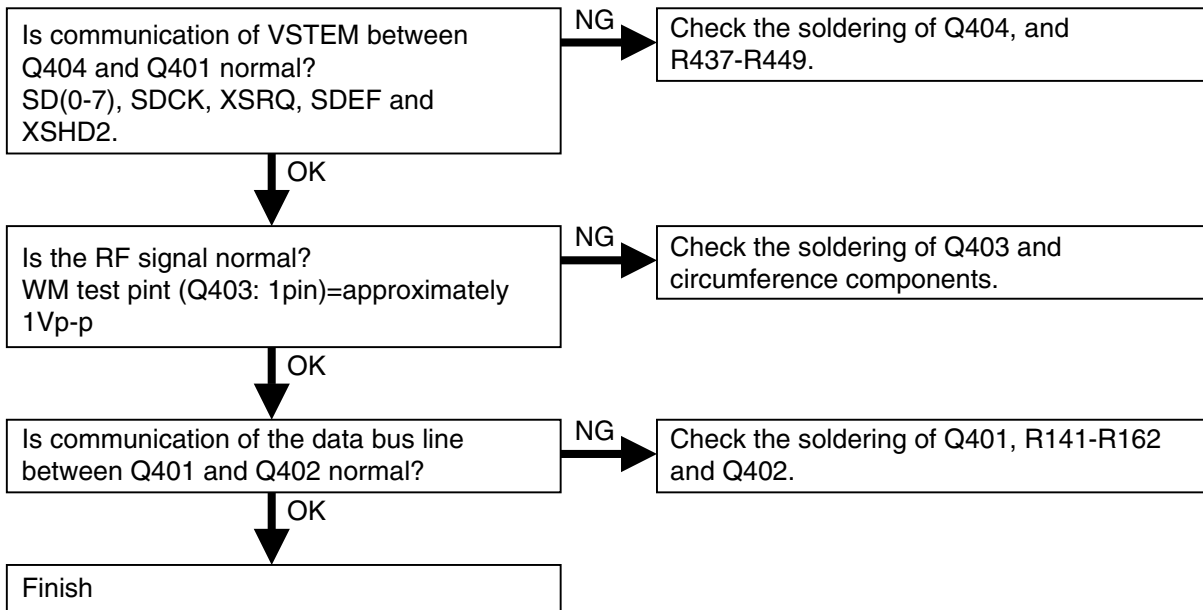
3.7.2 CD playback



3.7.3 DVD playback

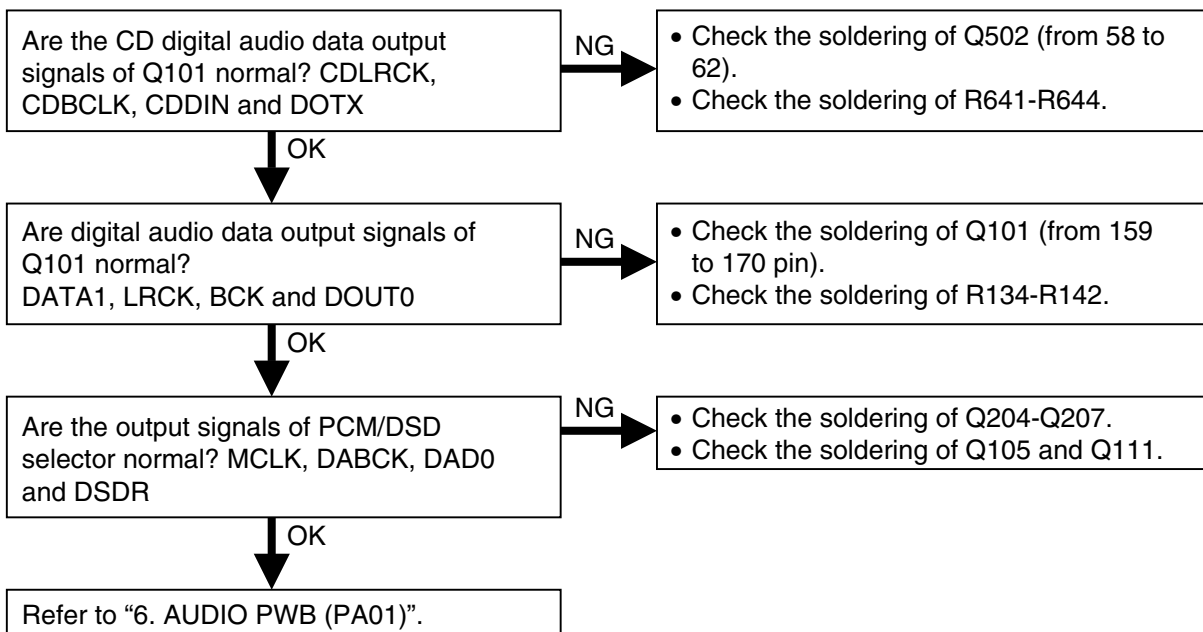


3.7.4 Super Audio CD playback

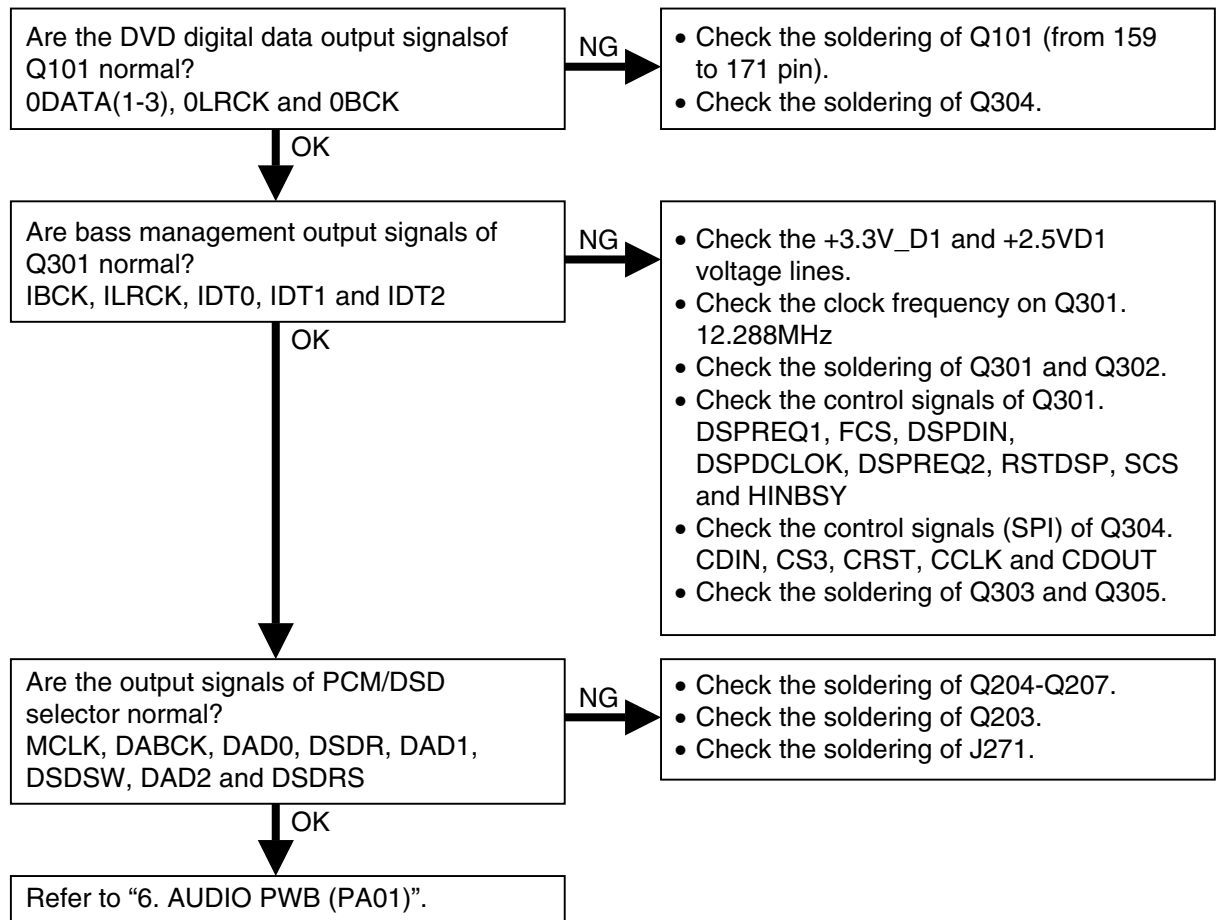


3.8 No sound or noisy

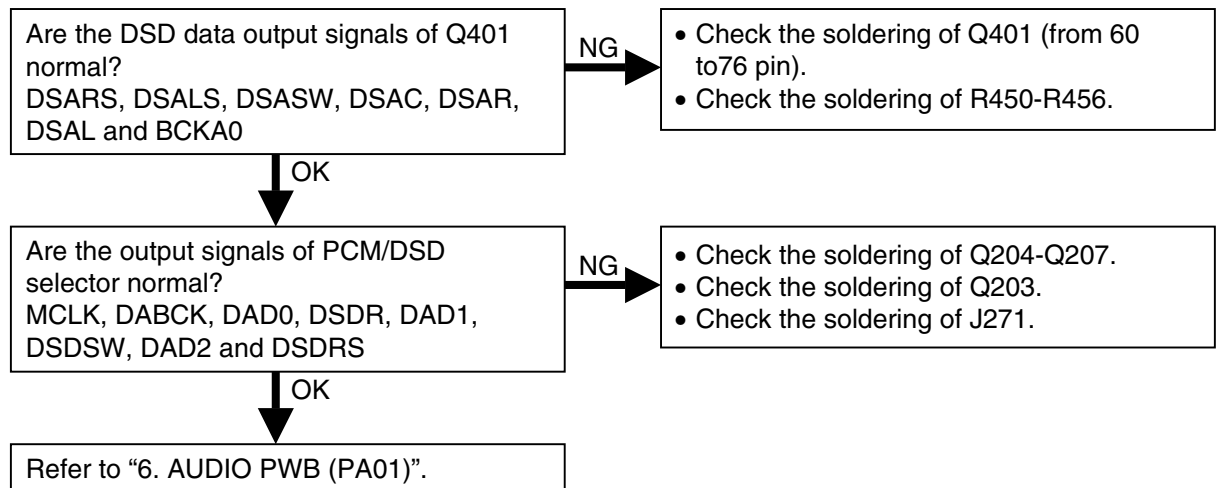
3.8.1 CD playback



3.8.2 DVD-Video/Audio playback

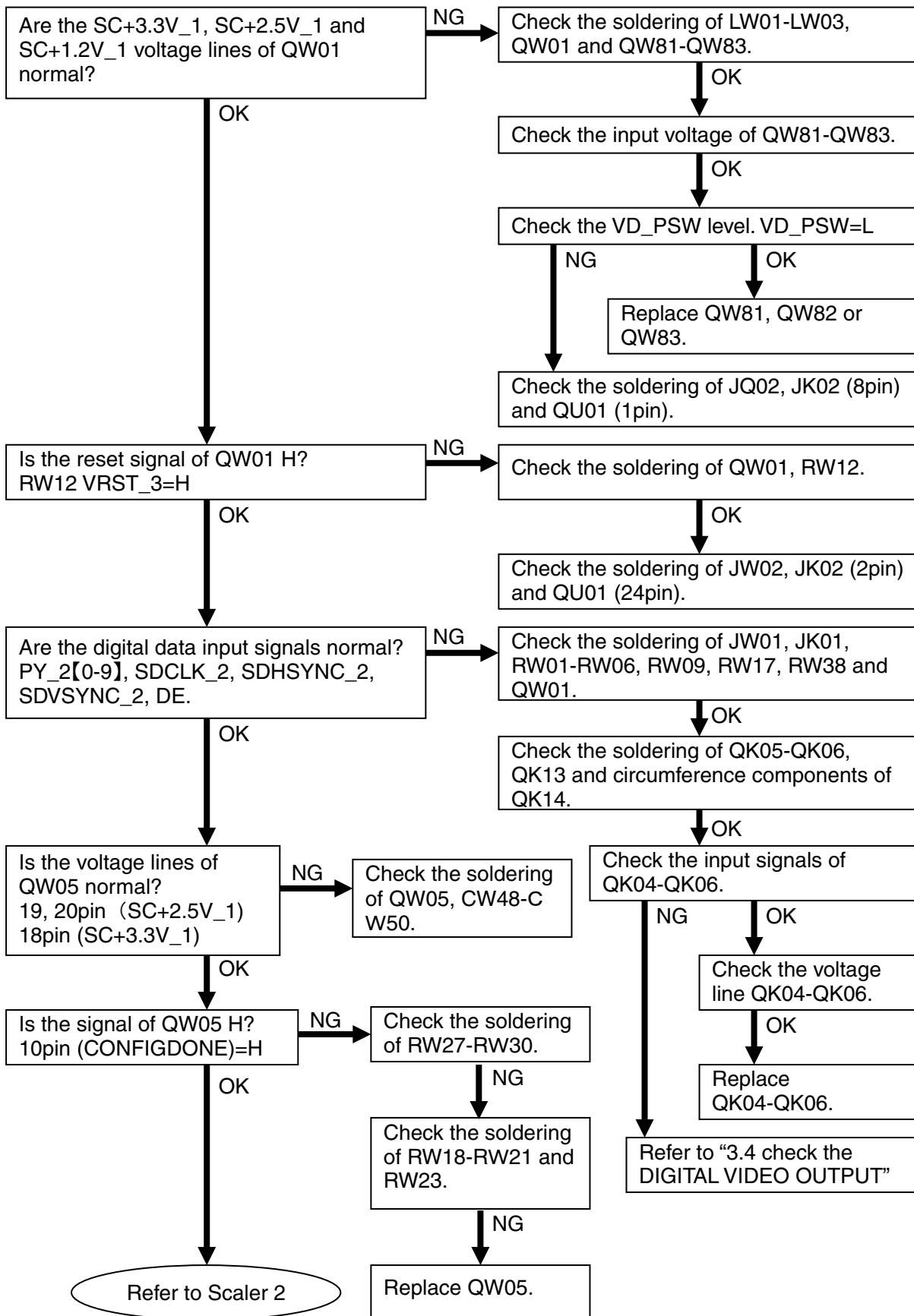


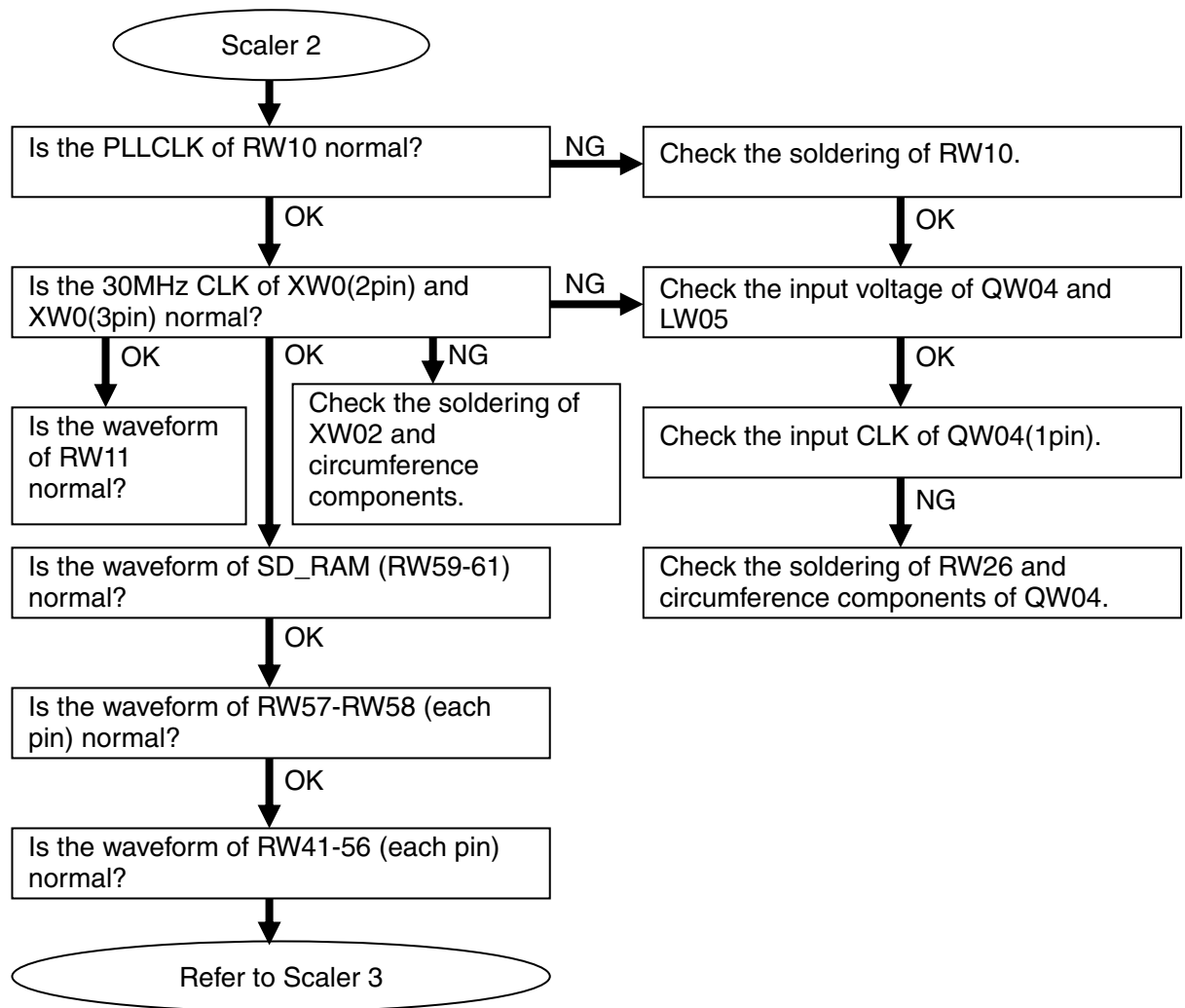
3.8.3 Super Audio CD playback

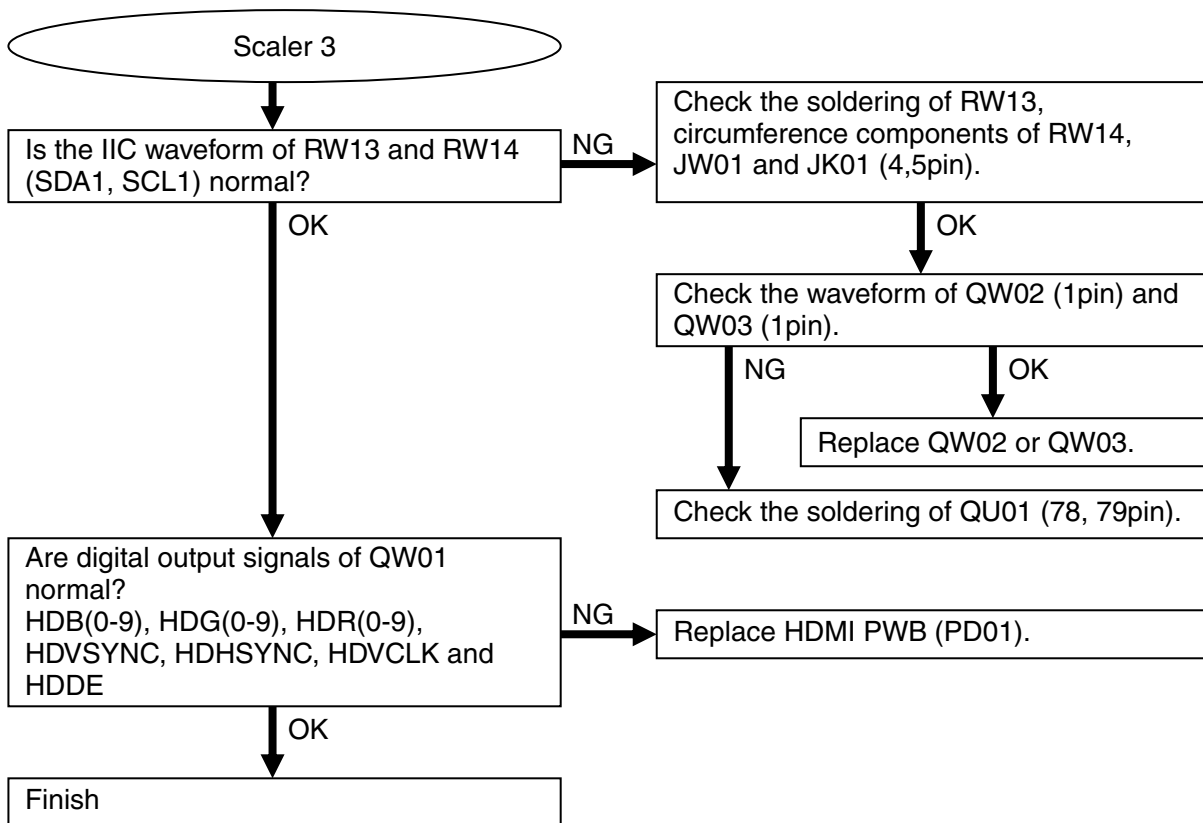


4. HDMI PWB (PD01)

4.1 Check the Scaler.



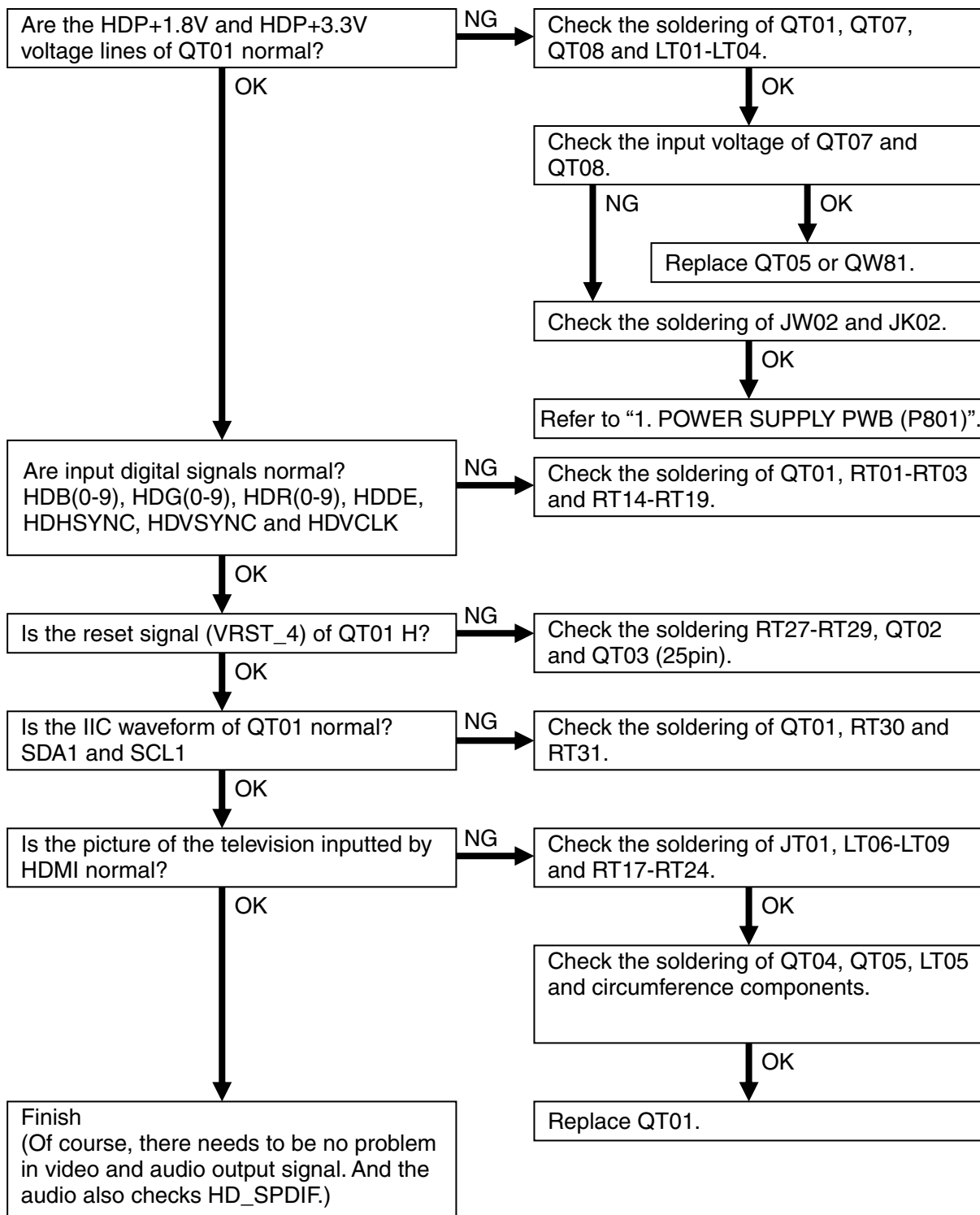




Notice

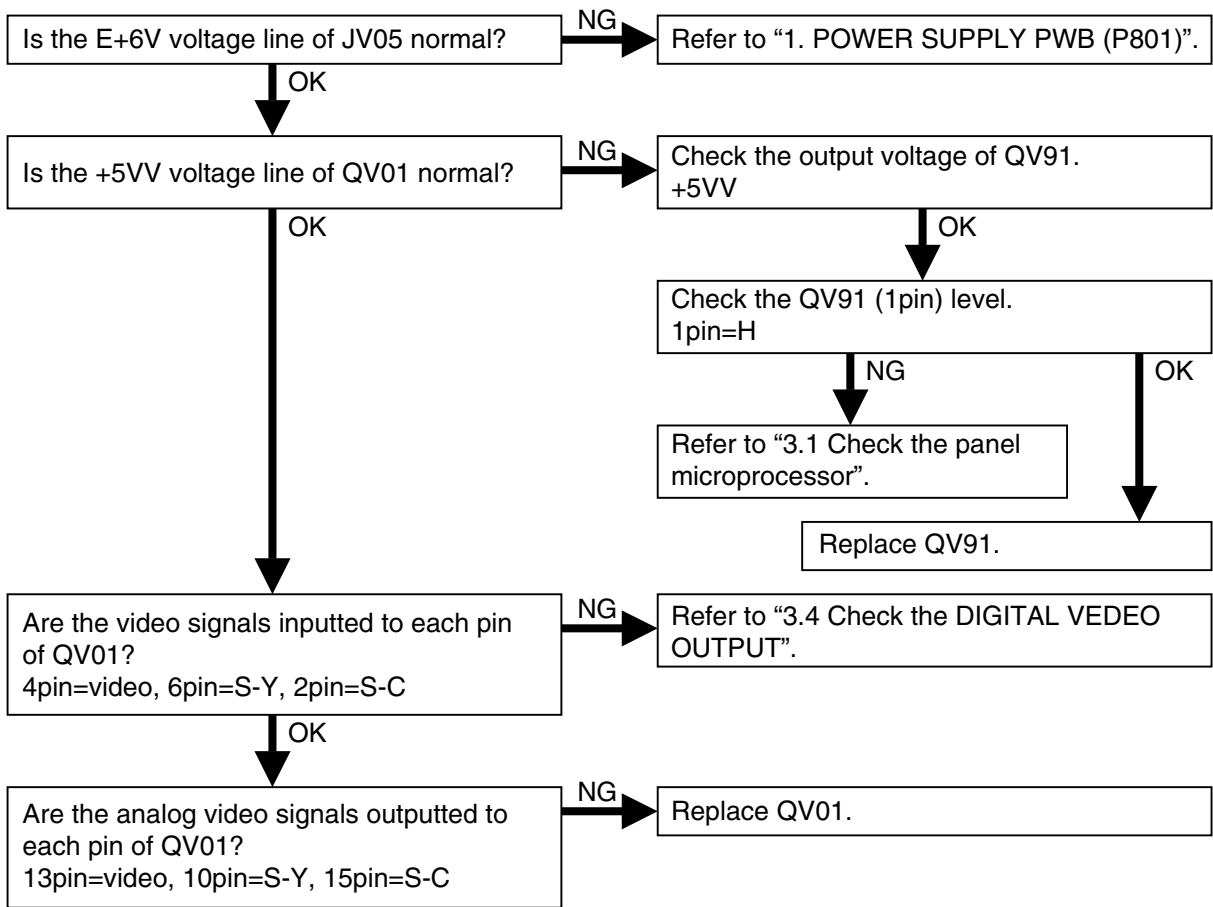
OUTPUT Format	Frequency of HDVCLK Signal
720P	74.5MHz
1080i	74.5MHz
480P/480i	27MHz
576P/576i	27MHz
1080P	148.5MHz

4.2 Check the HDMI driver.

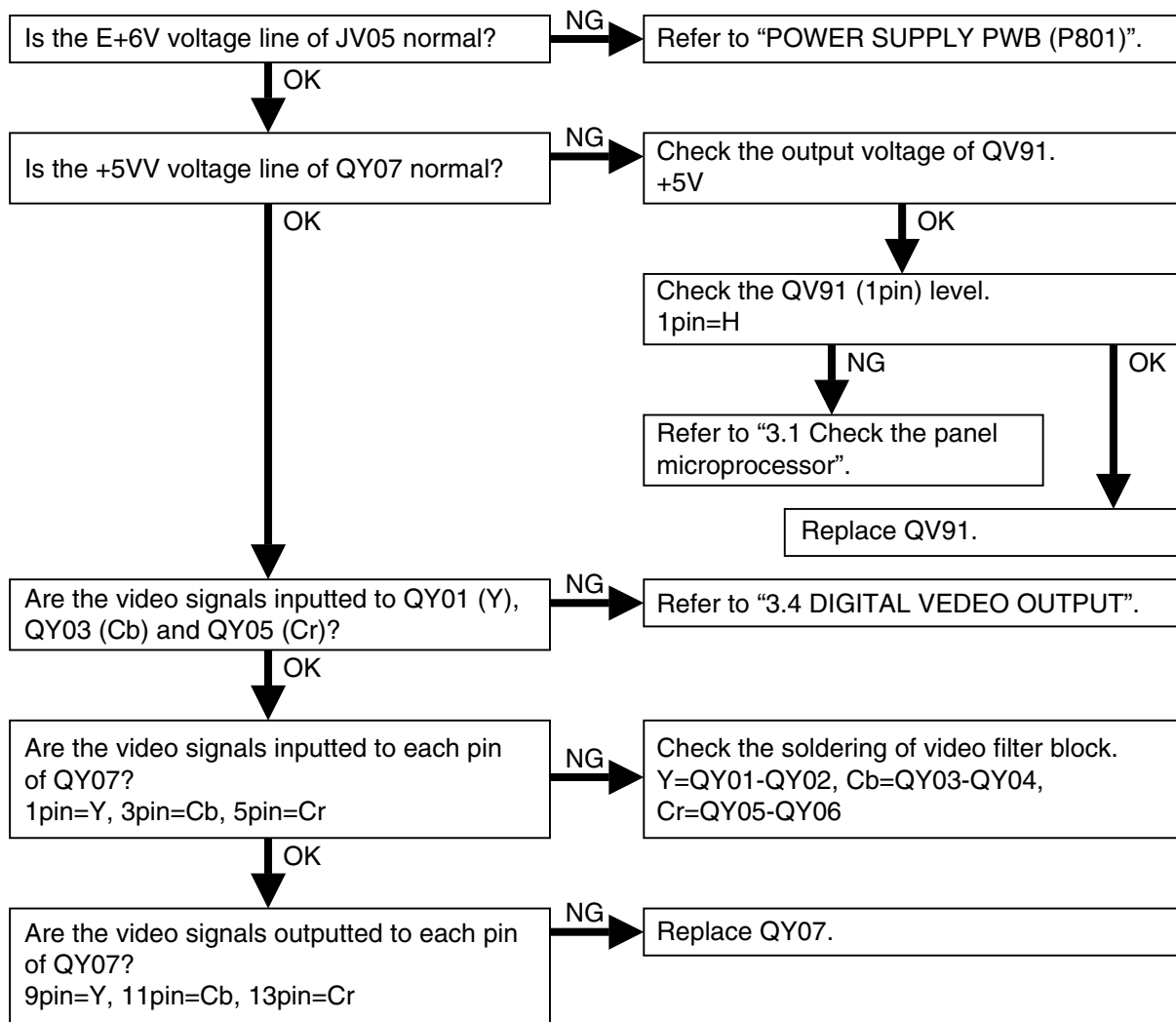


5. Check the analog video output signal : VIDEO PWB (PV01).

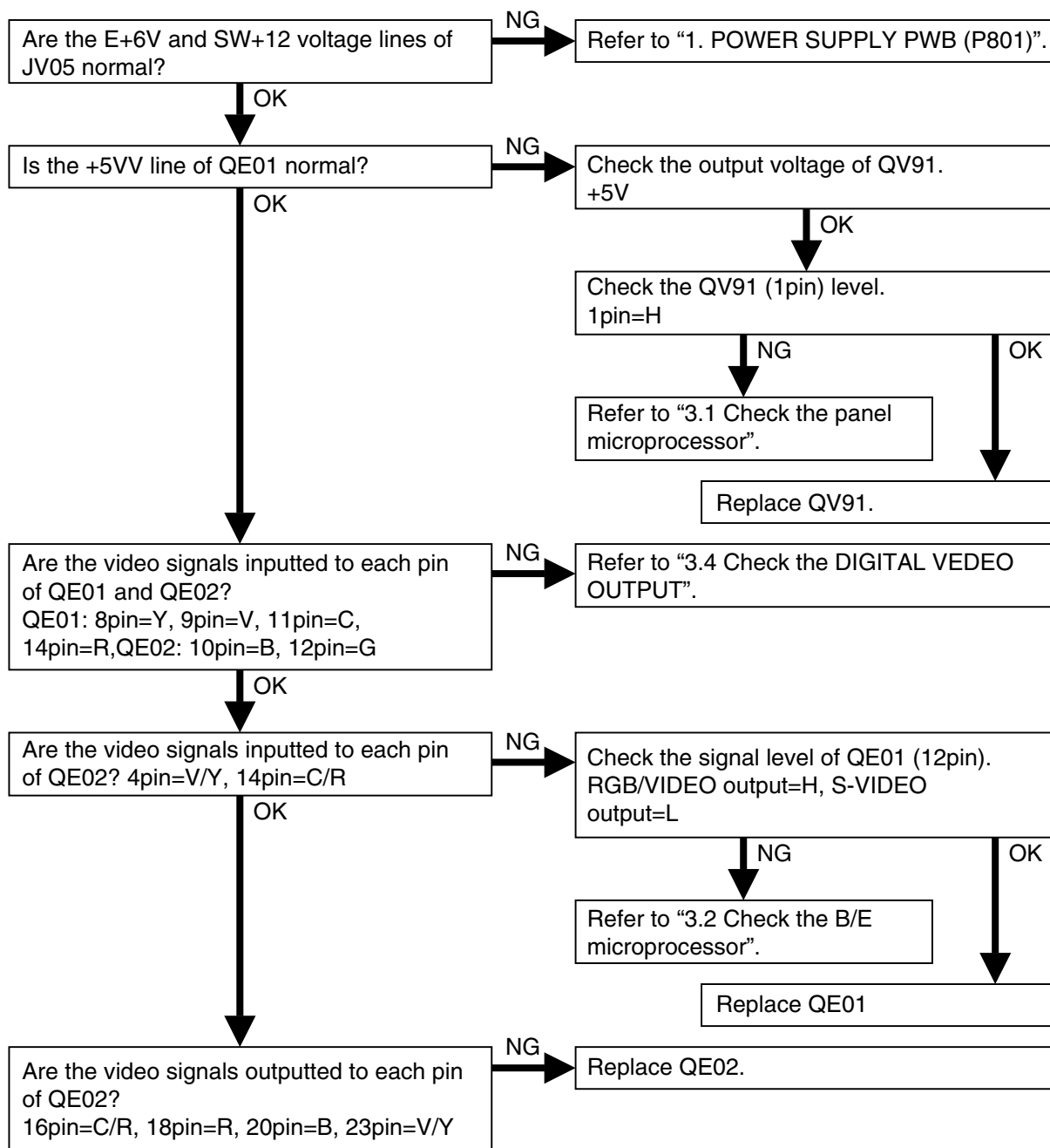
5.1 Picture is not outputted normally. (Composite, Y/C)



5.2 Picture is not outputted normally. (Component)

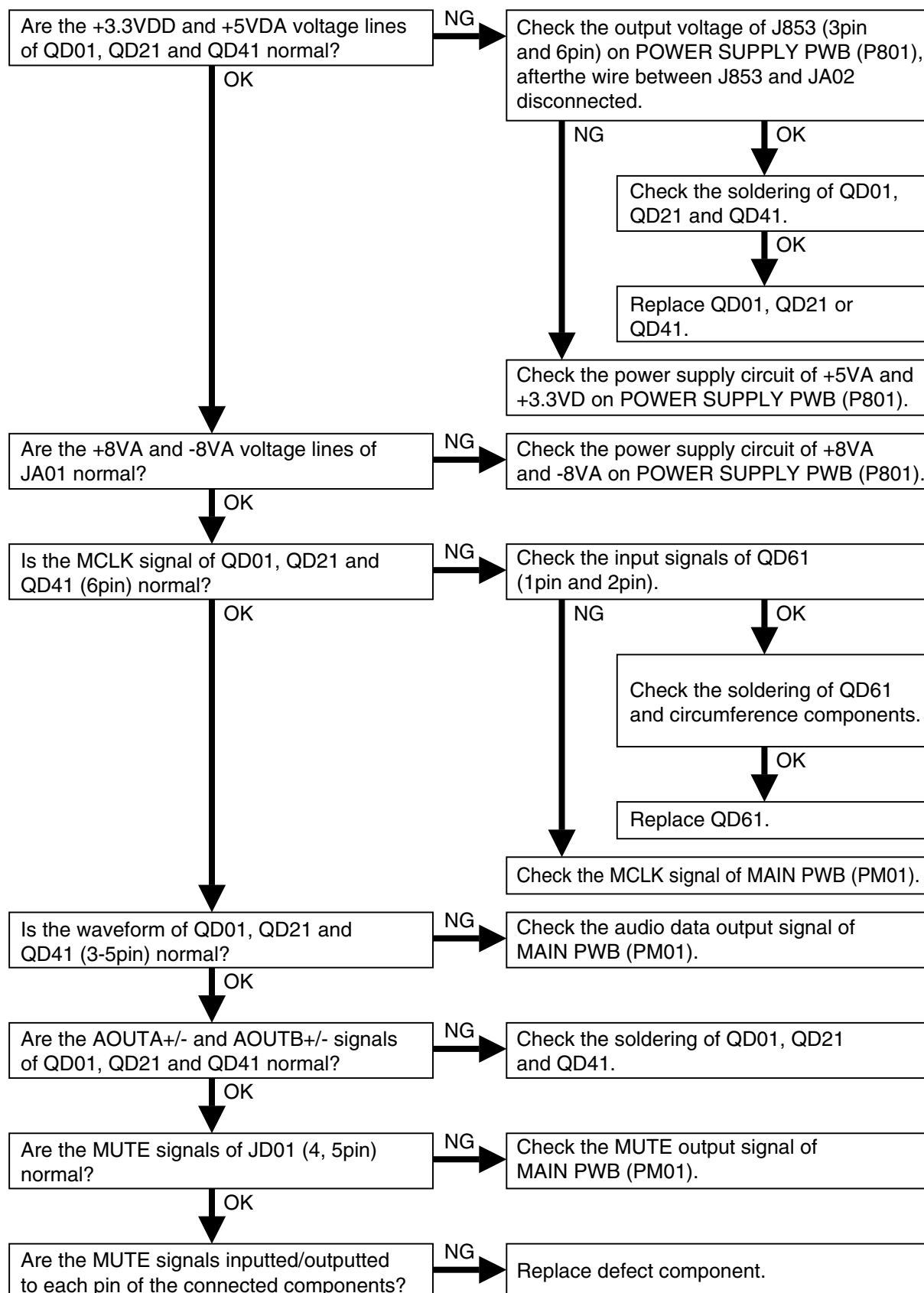


5.3 Picture is not outputted normally. (SCART)



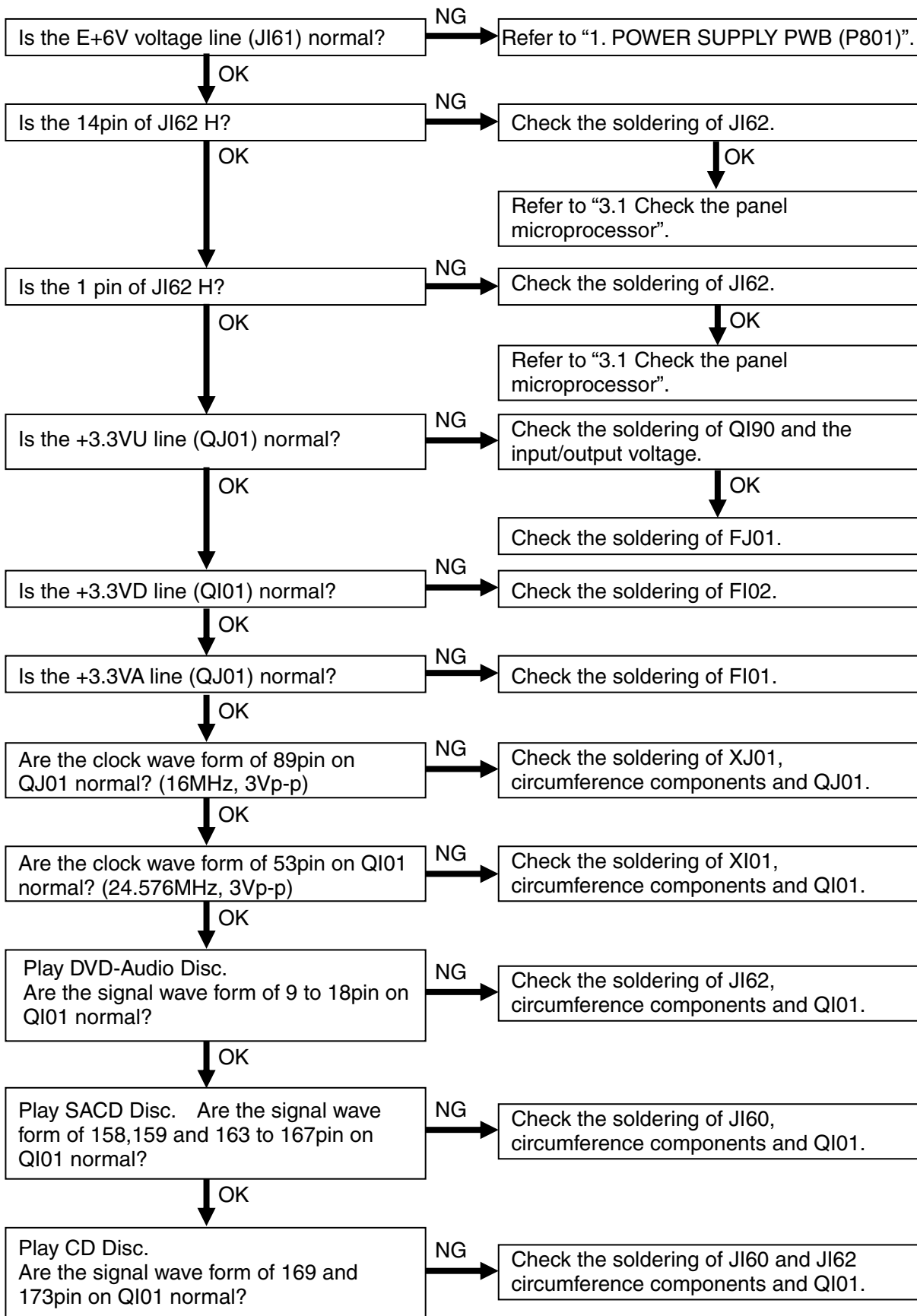
6. AUDIO PWB (PV01)

6.1 Audio is not outputted normally.



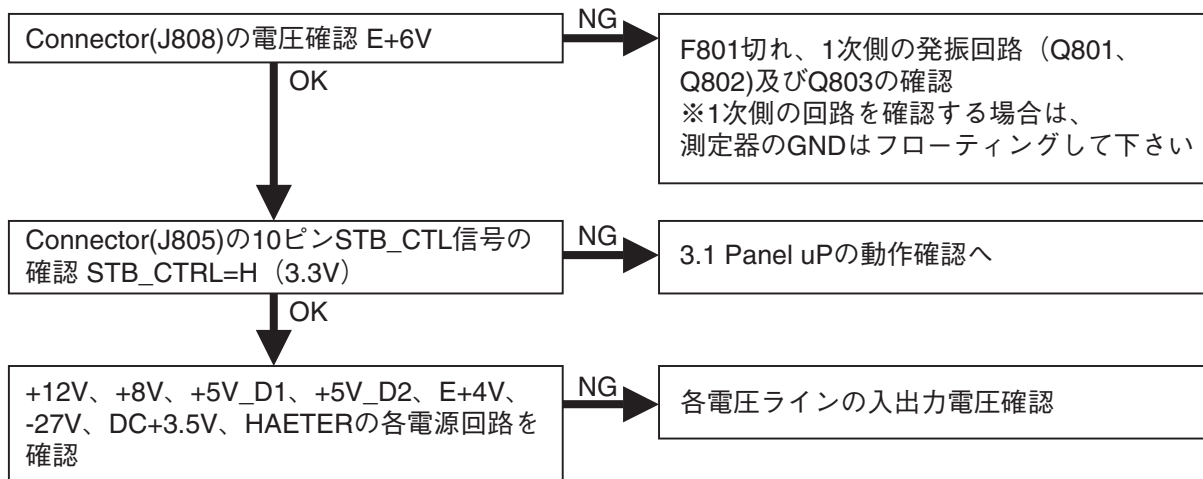
7. IEEE1394 PWB (PI01)

7.1 Check the i.Link.



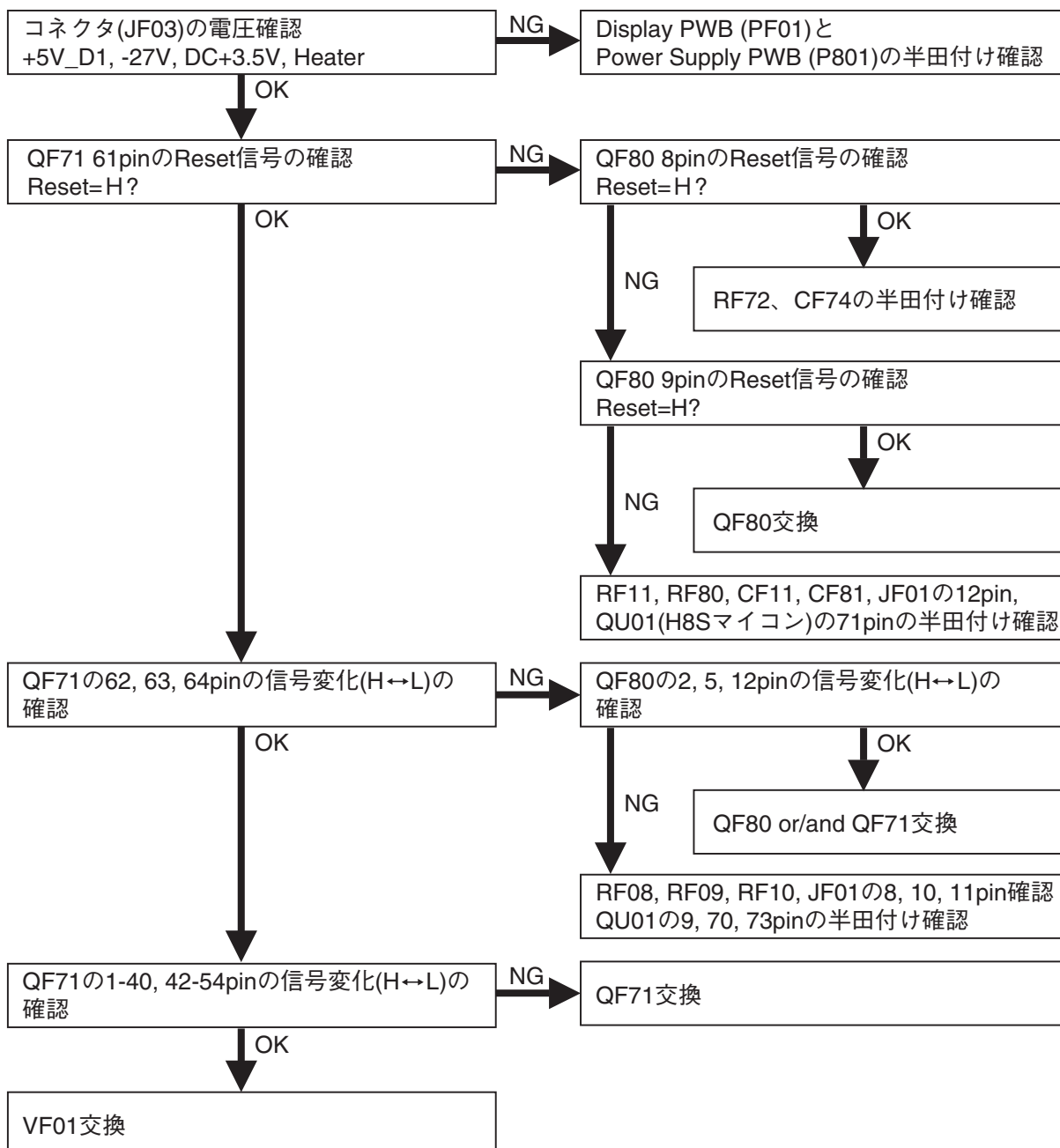
1. POWER SUPPLY PWB (P801)

1.1 電源入らず

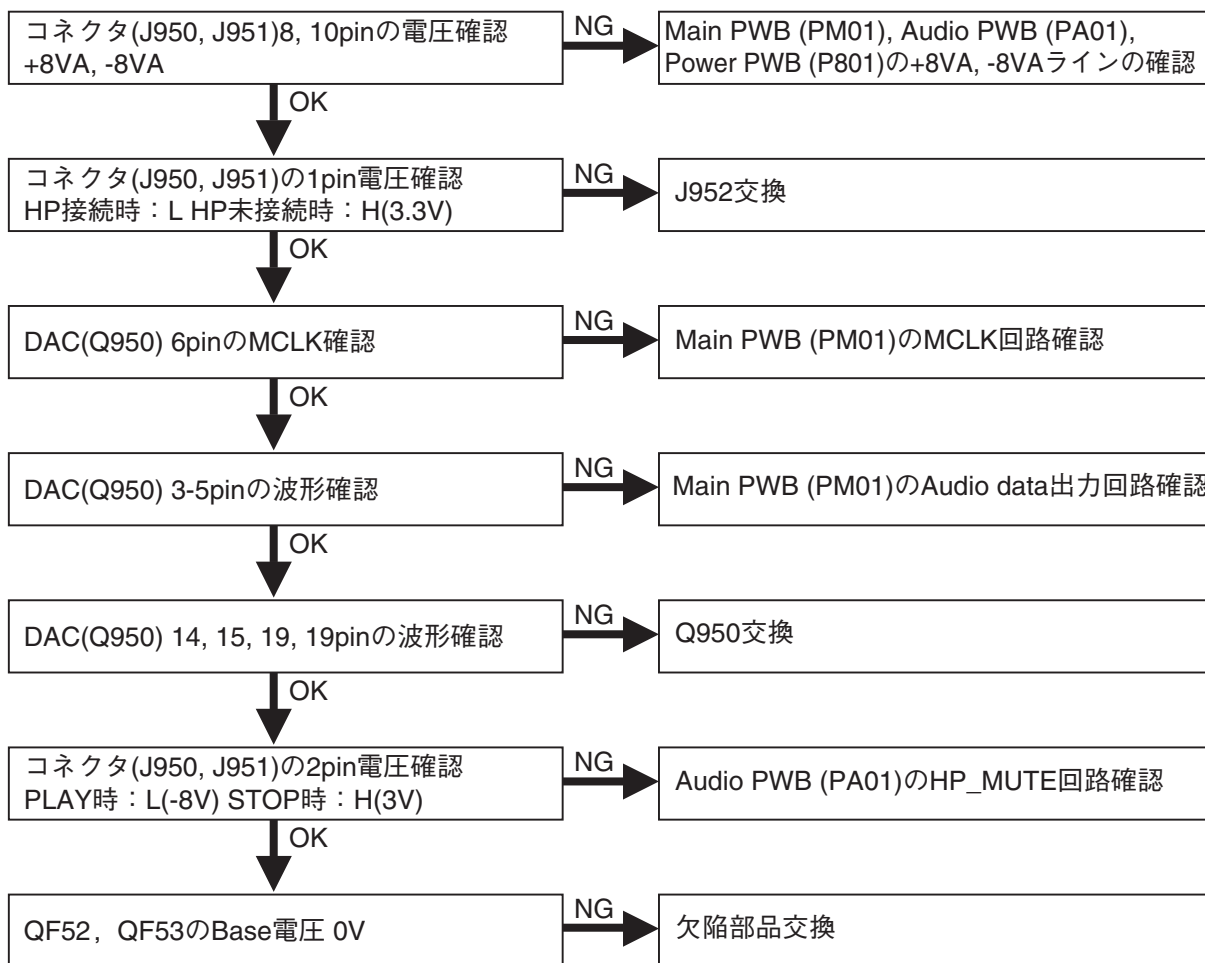


2. DISPLAY CONTROL / PHONE PWB

2.1 FL 表示せず

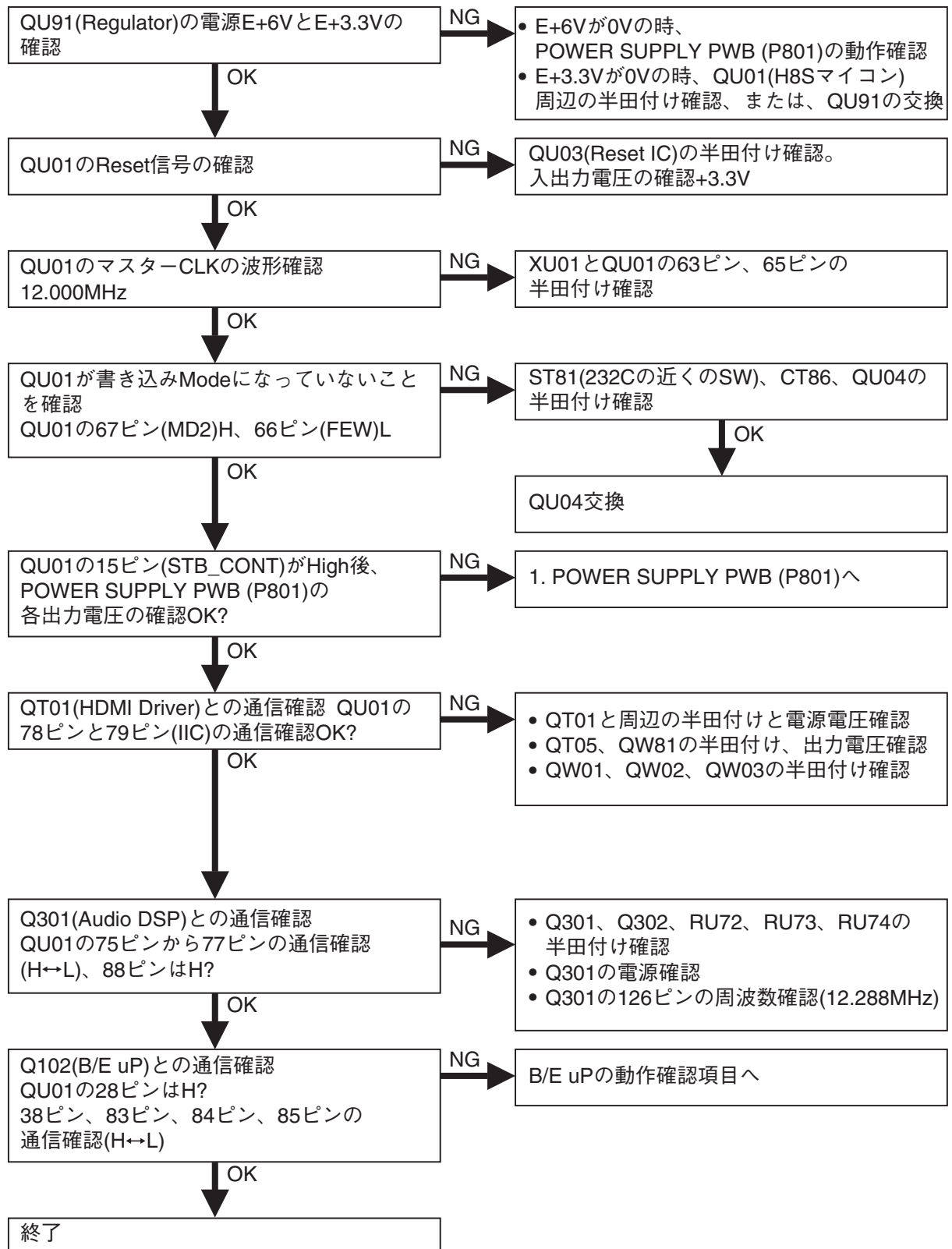


2.2 ヘッドホン音出ず。(ヘッドホンを接続し確認します)

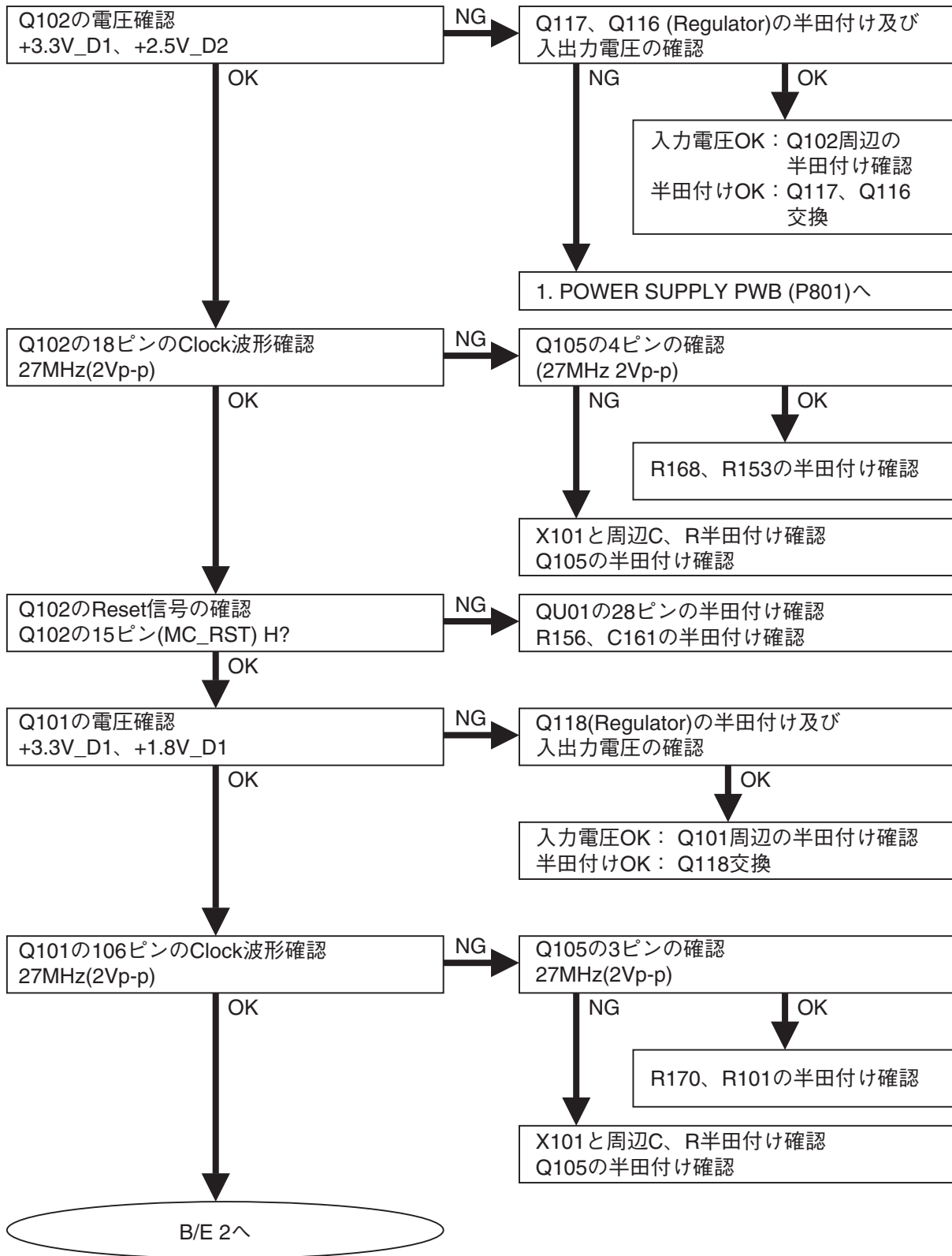


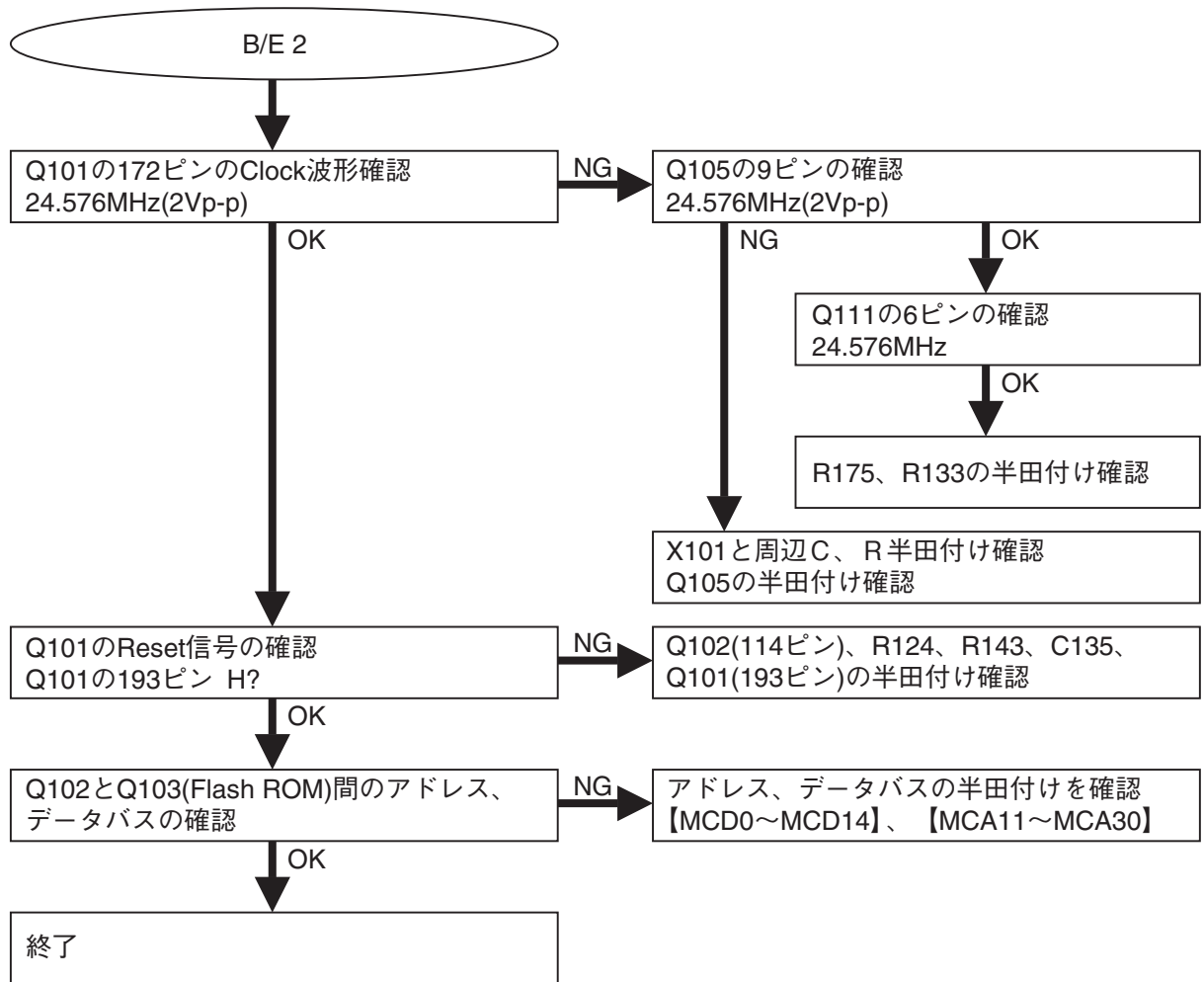
3. MAIN PWB (PM01)

3.1 Panel uP の動作確認

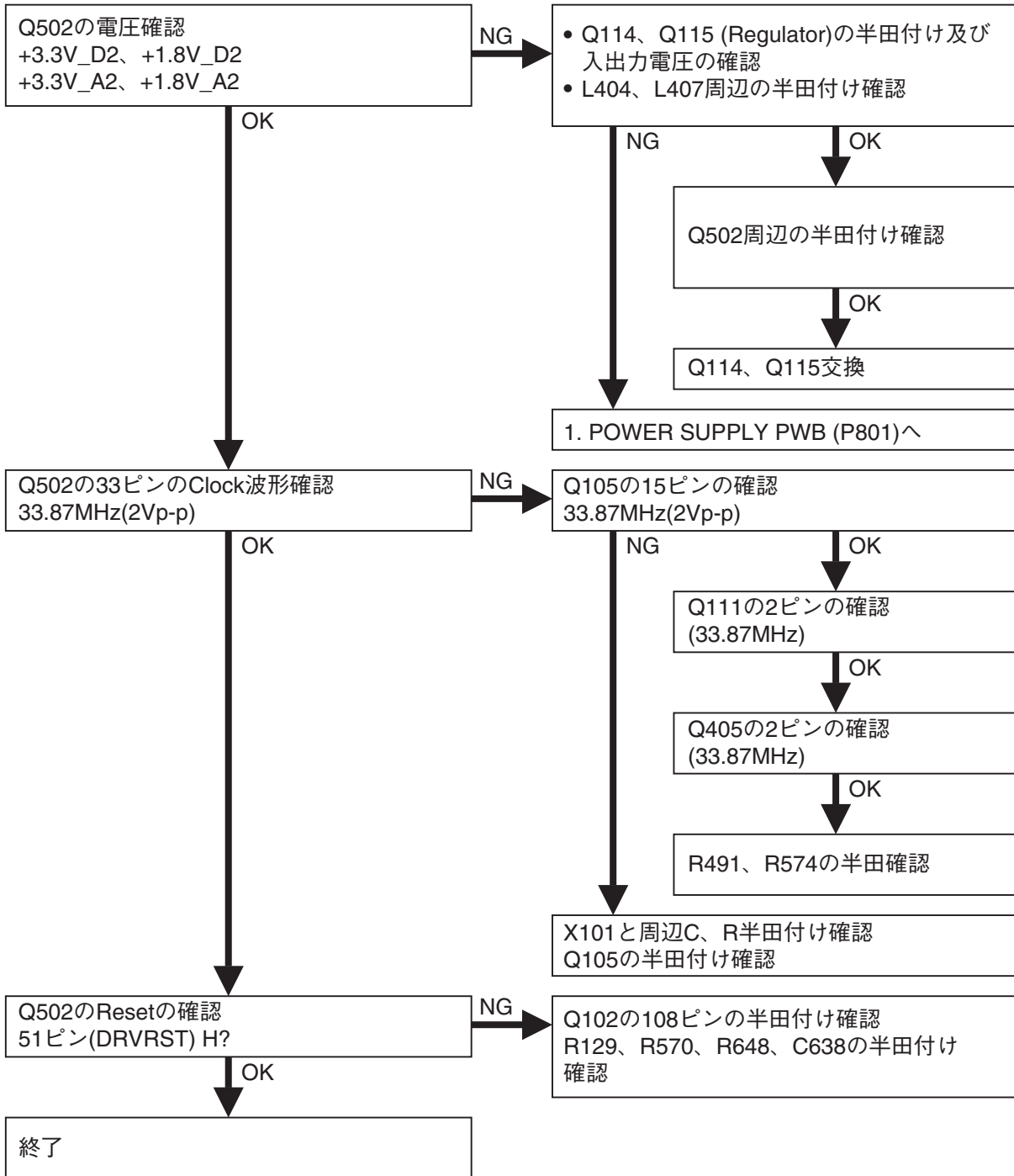


3.2 B/E uP の動作確認

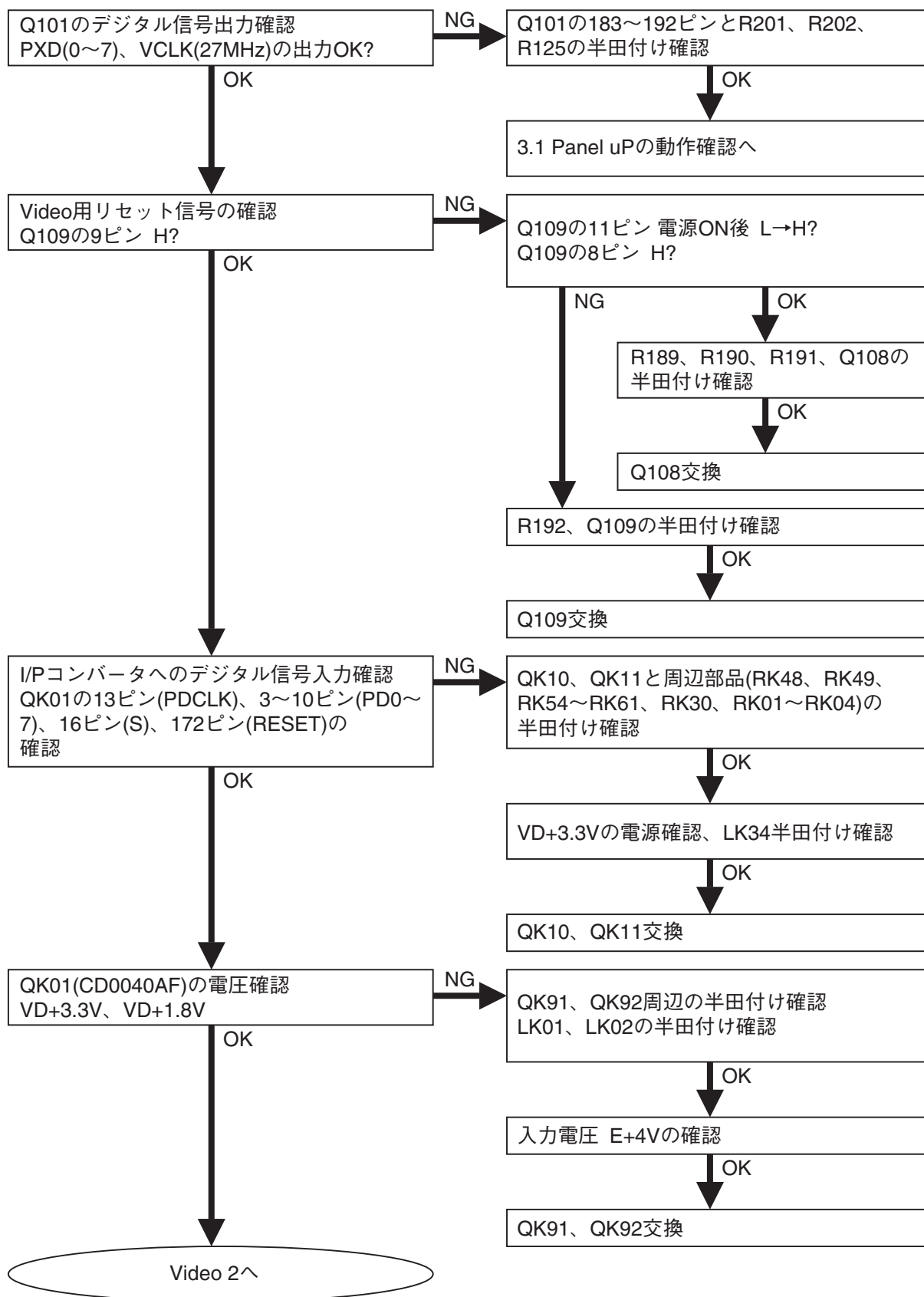


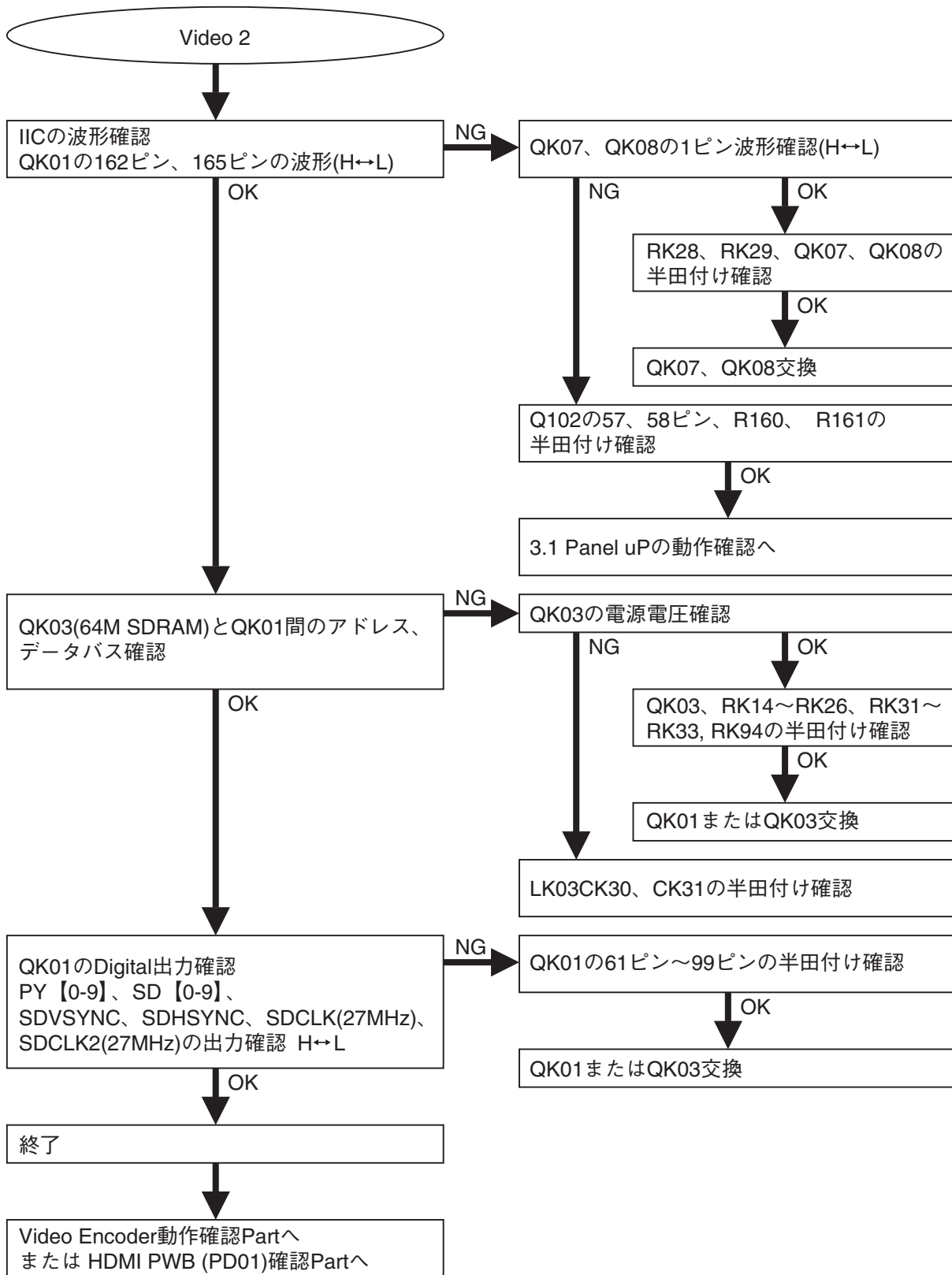


3.3 F/E uP の動作確認

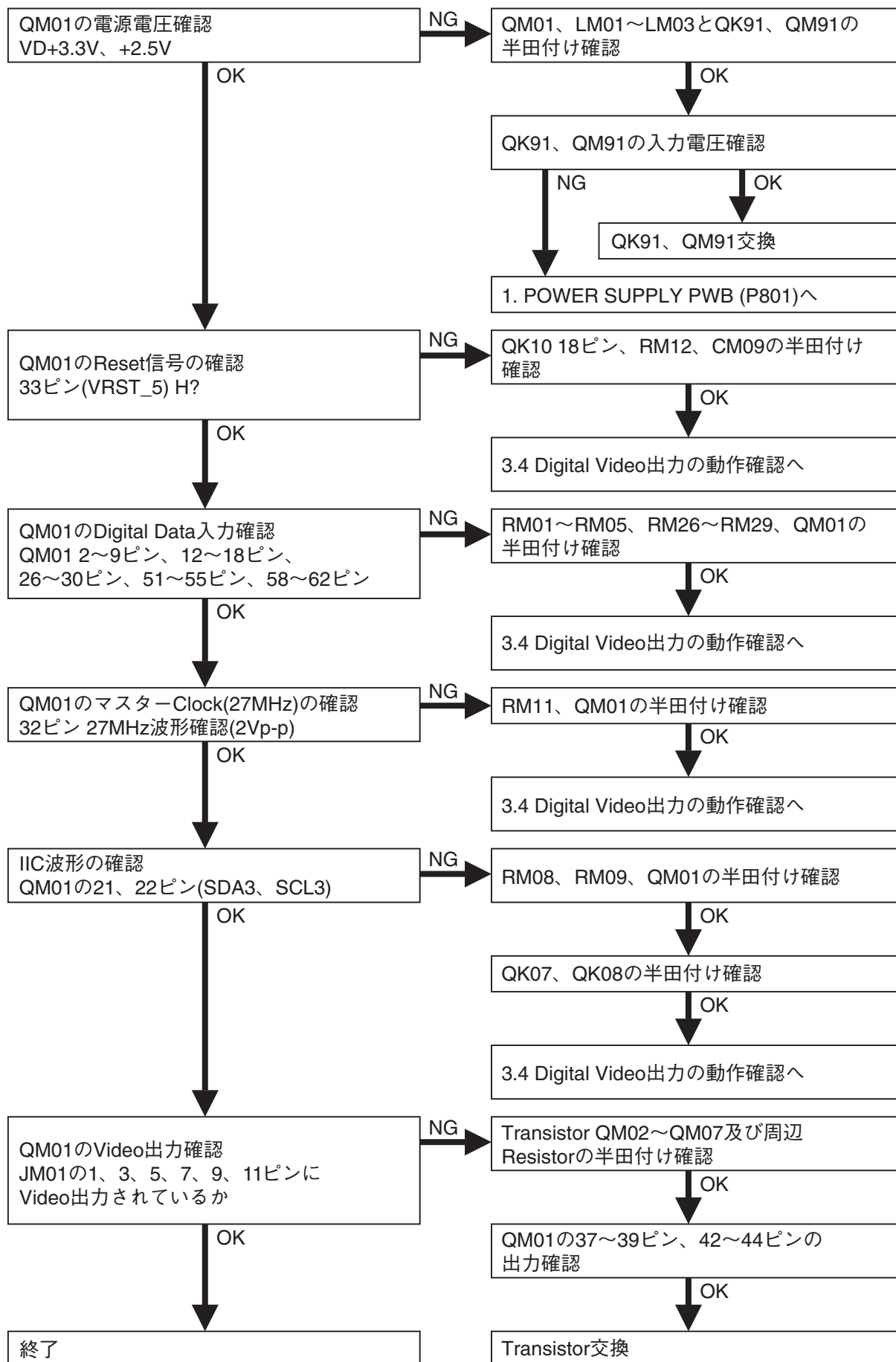


3.4 Digital Video 出力の動作確認

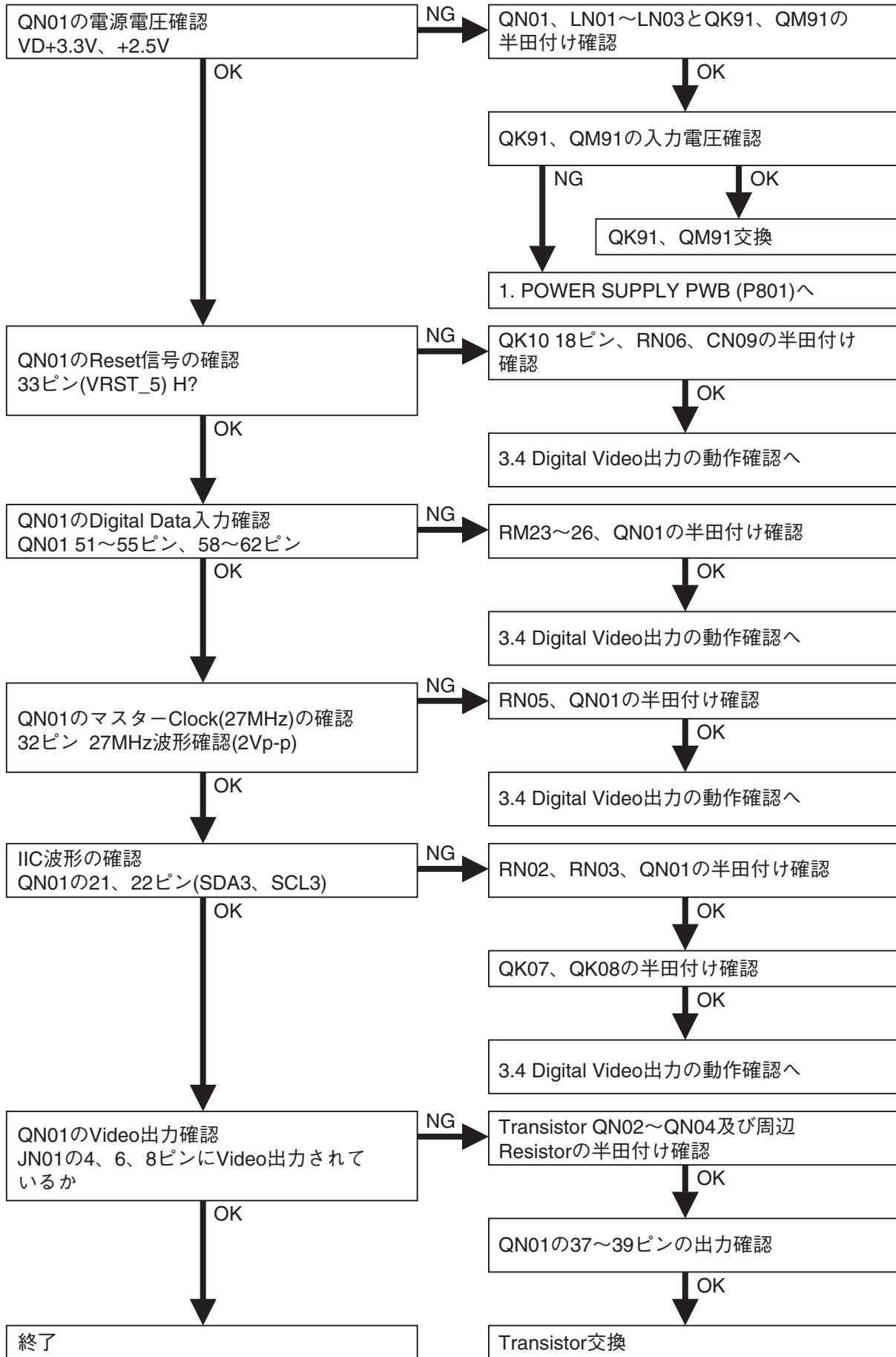




3.5 Video Encoder 動作確認 (Component, CVBS, Y/C 用)

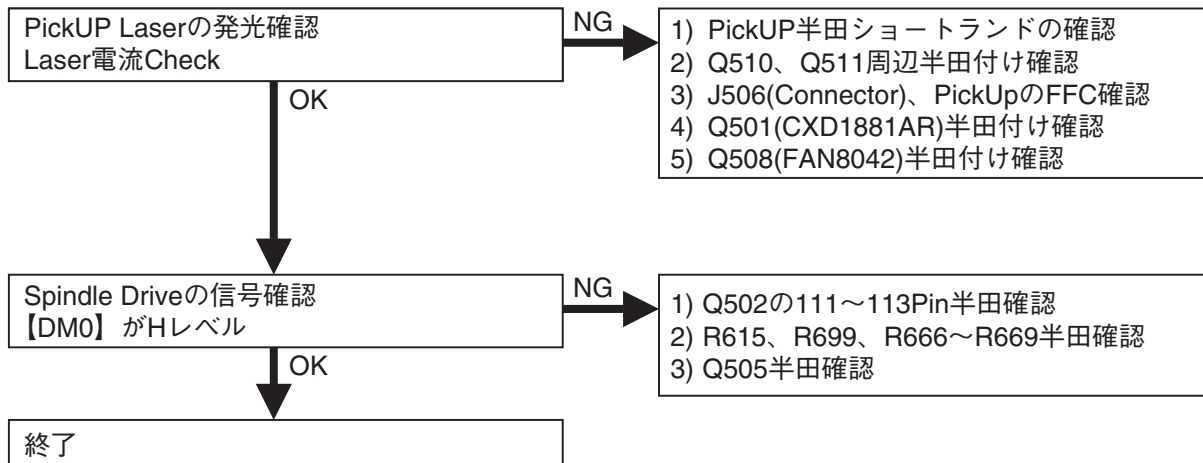


3.6 Video Encoder 動作確認 (RGB 用)

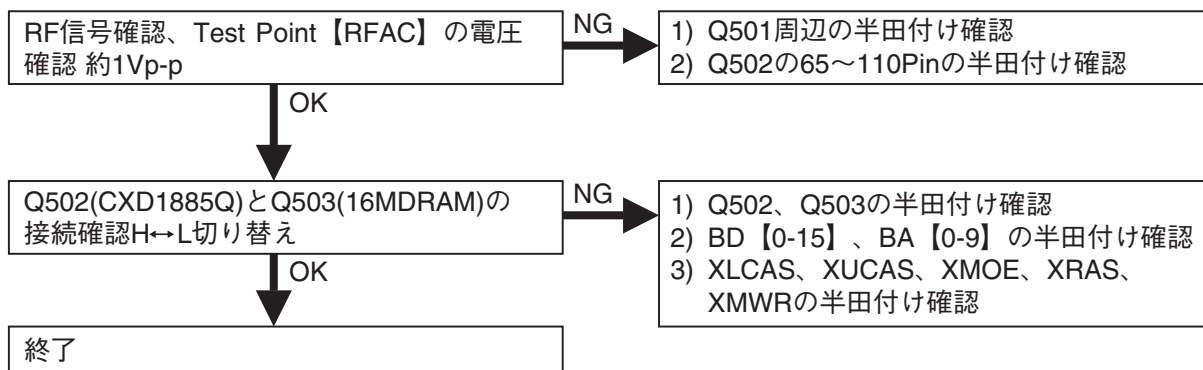


3.7 Disc 再生の確認

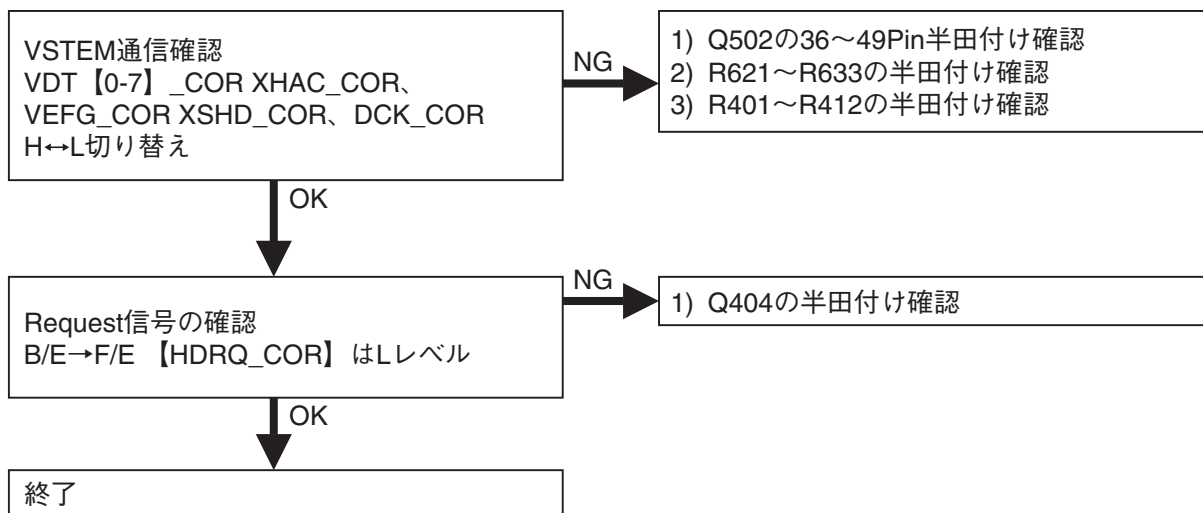
3.7.1 Disc が回転しない



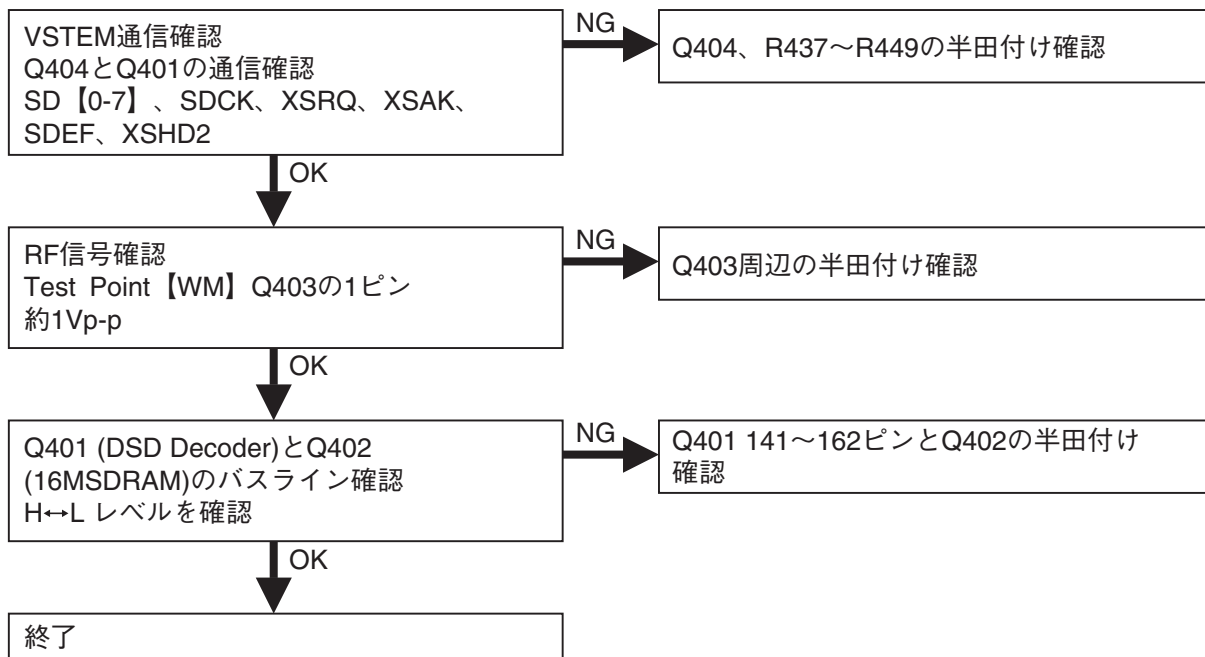
3.7.2 CD 再生



3.7.3 DVD 再生

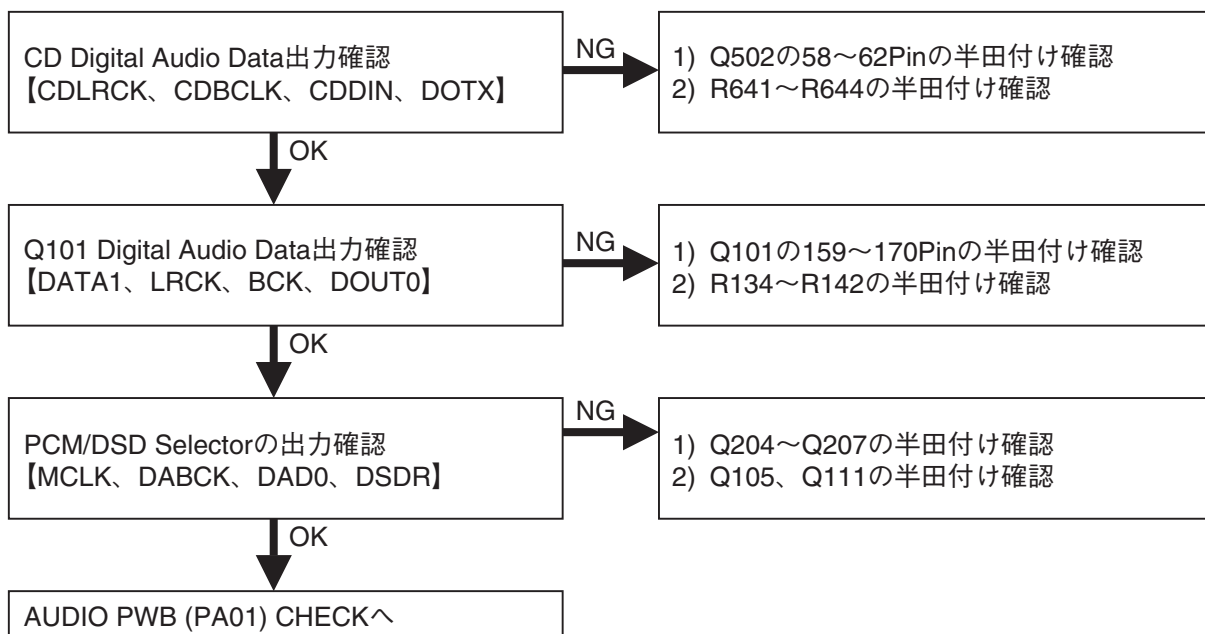


3.7.4 Super Audio CD 再生

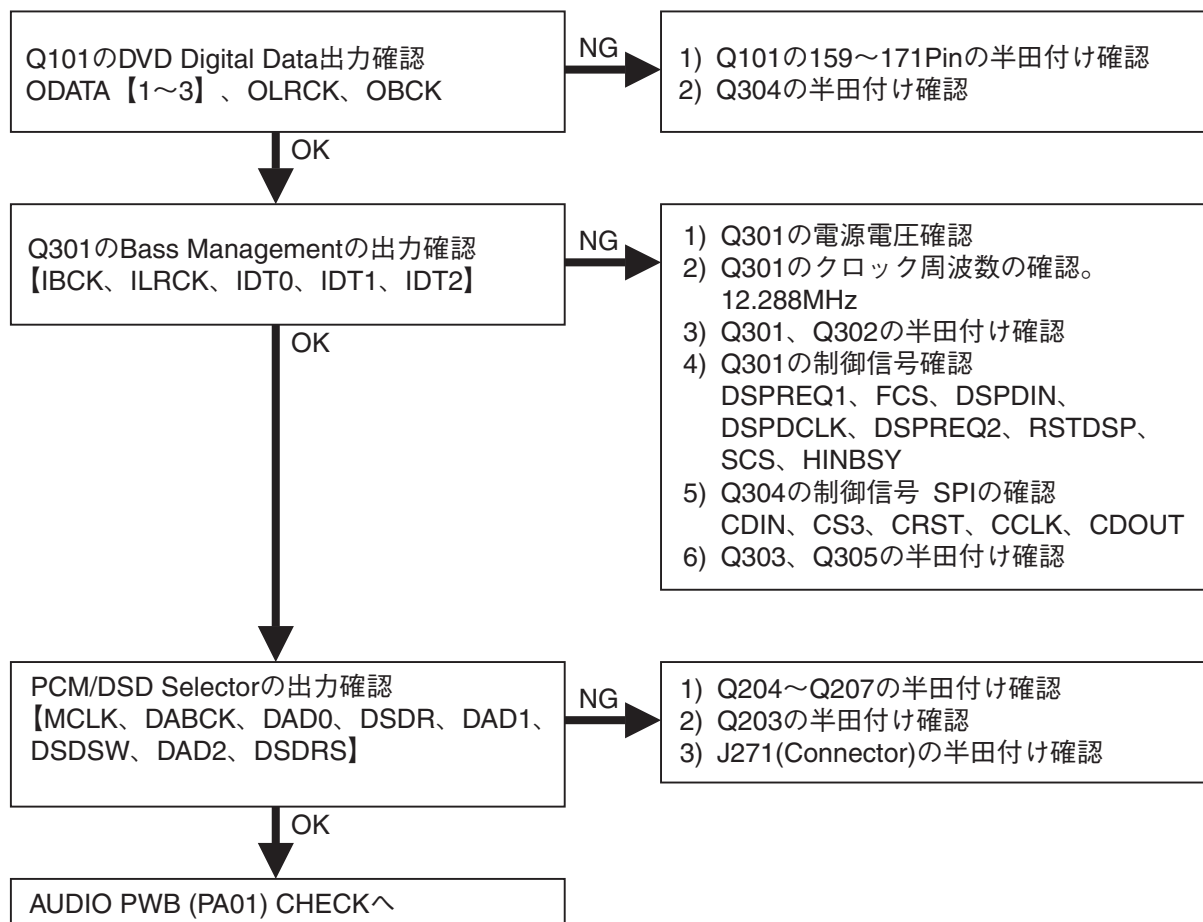


3.8 No sound or noisy

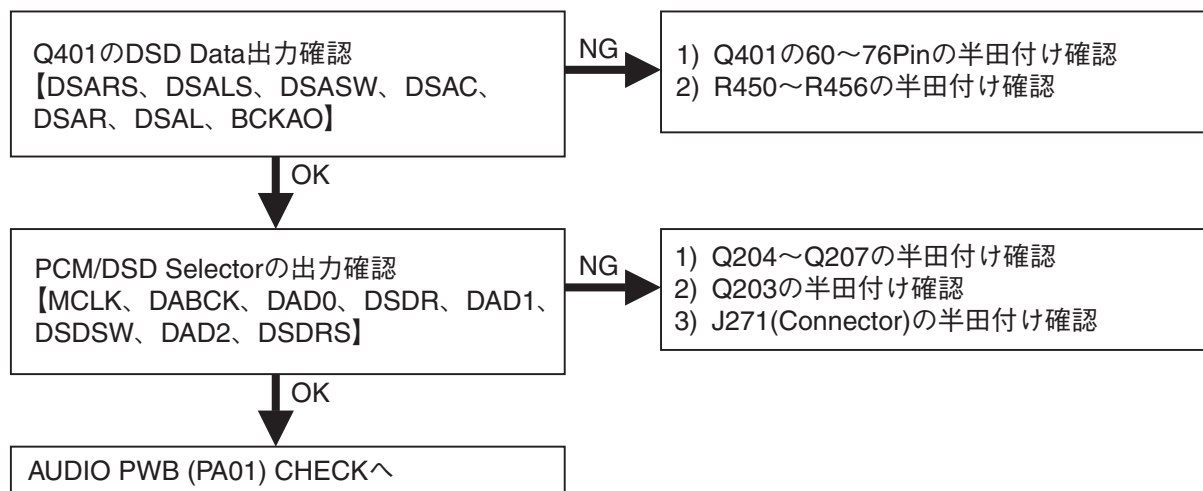
3.8.1 CD 再生



3.8.2 DVD-Video/Audio 再生

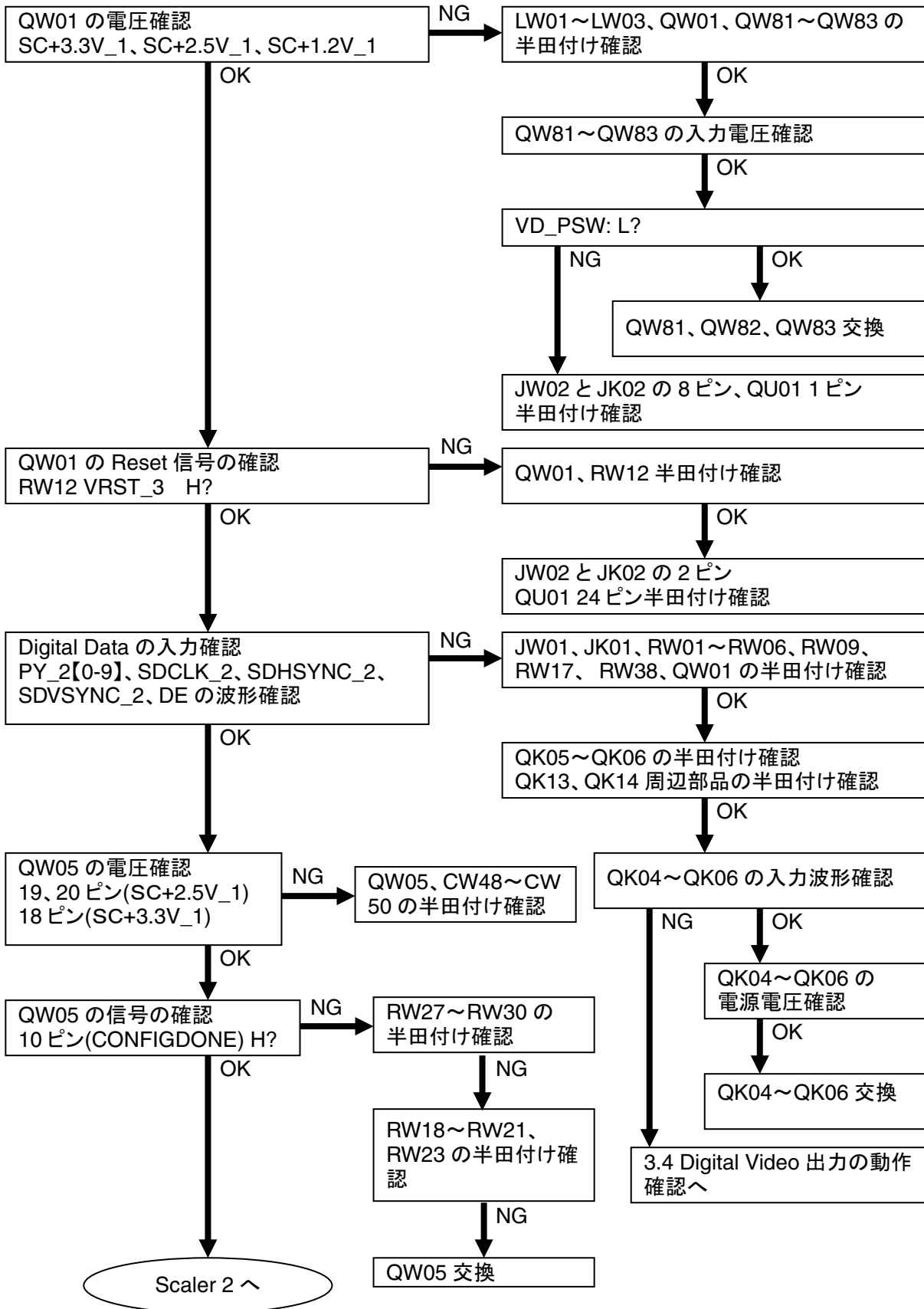


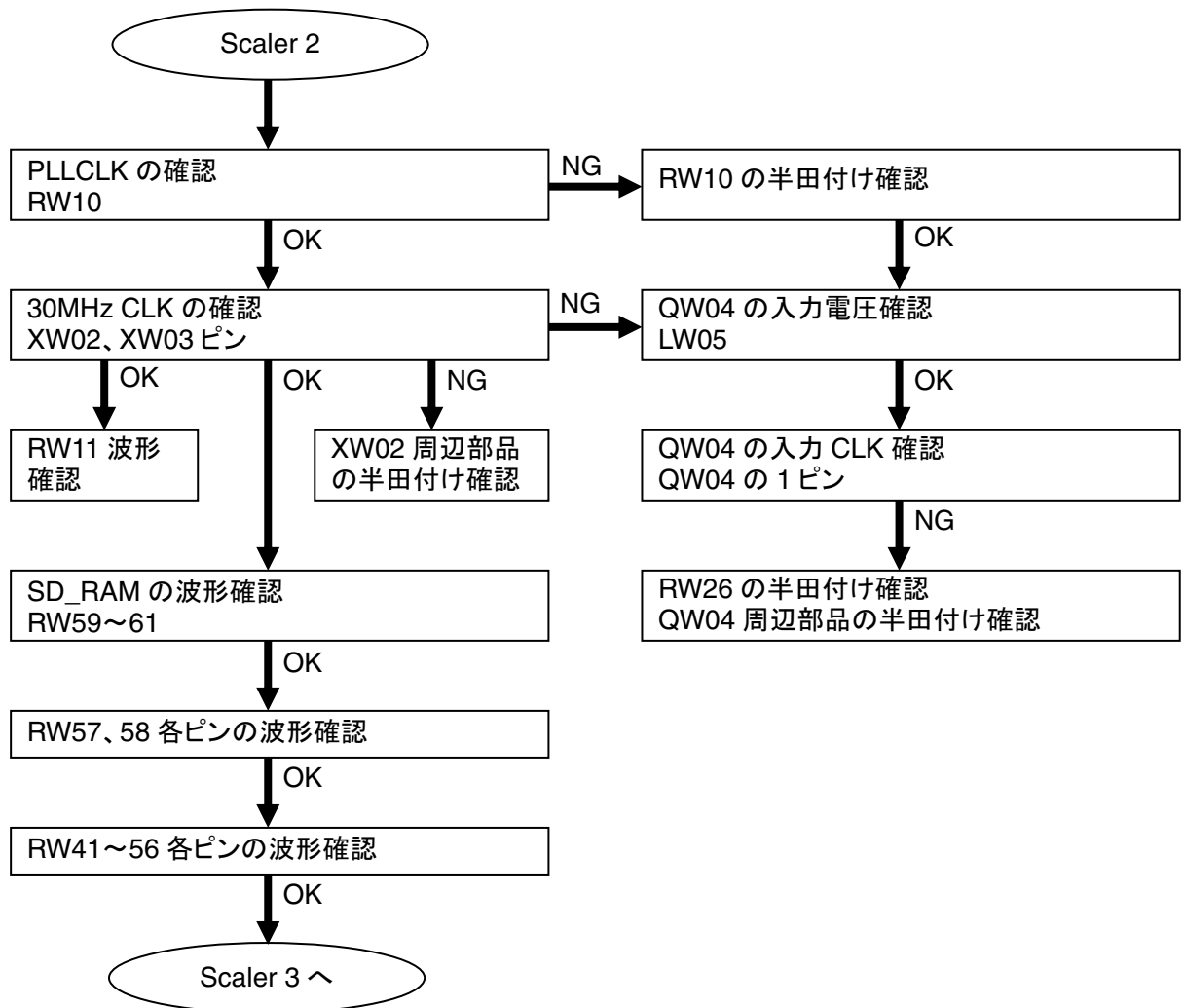
3.8.3 Super Audio CD 再生

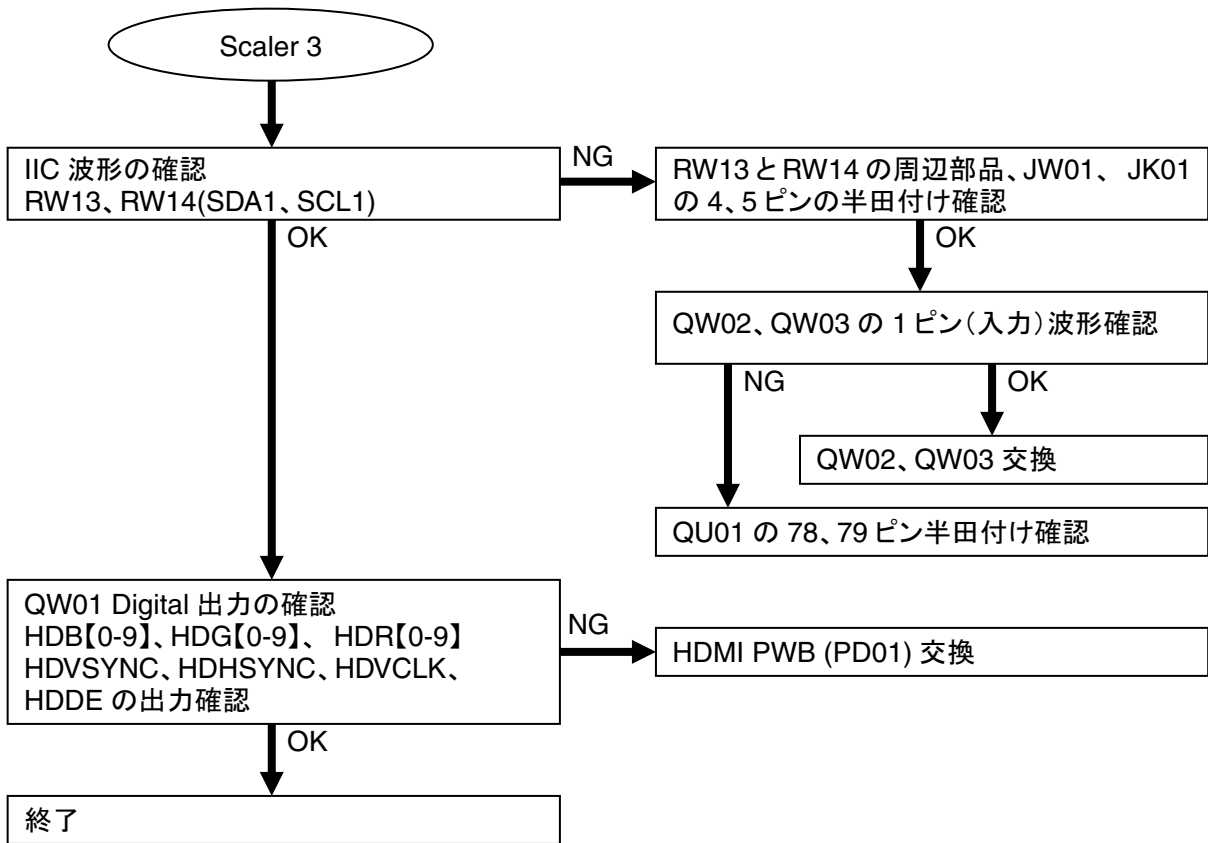


4. HDMI PWB (PD01)

4.1 Scaler 動作確認



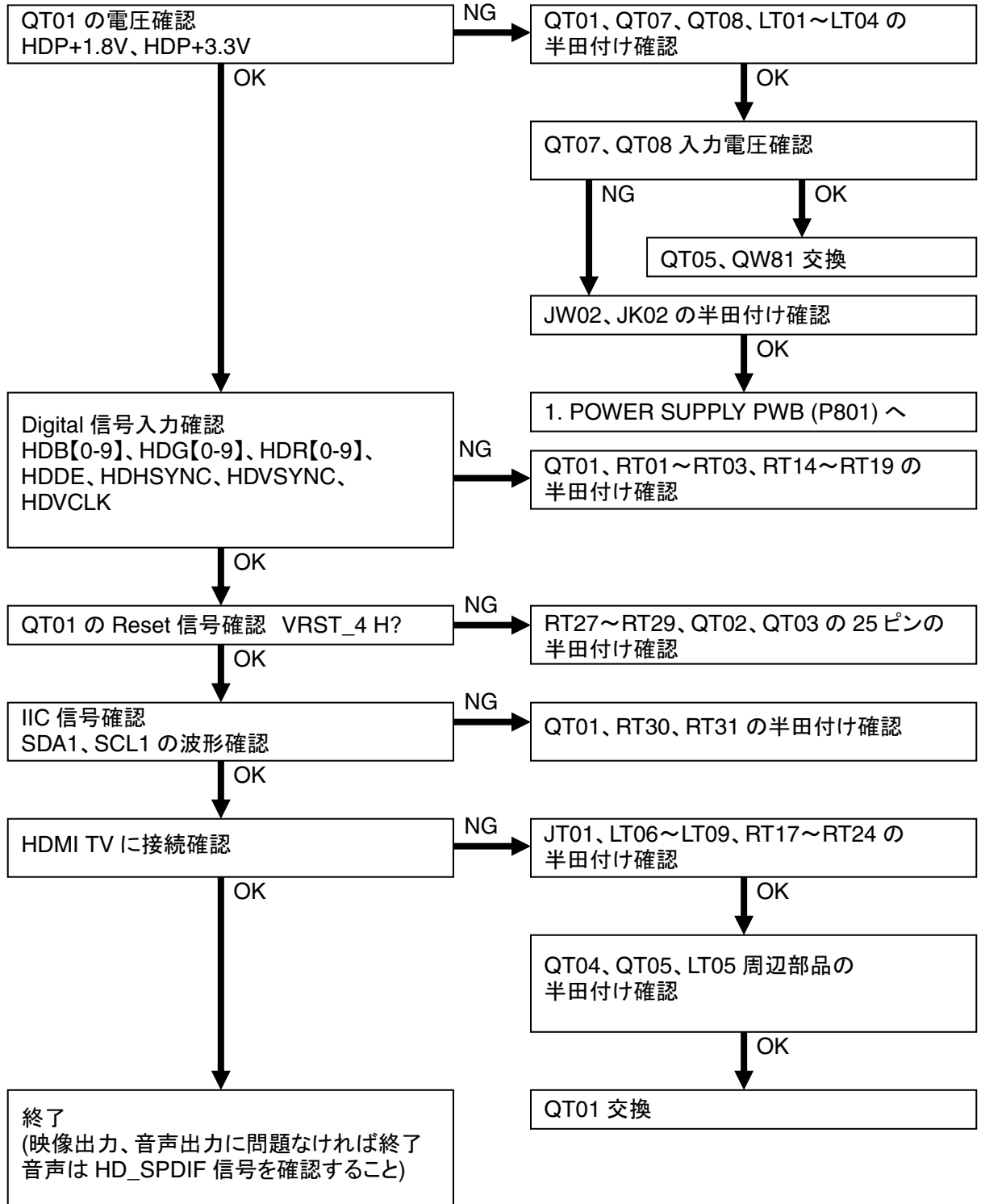




Notice

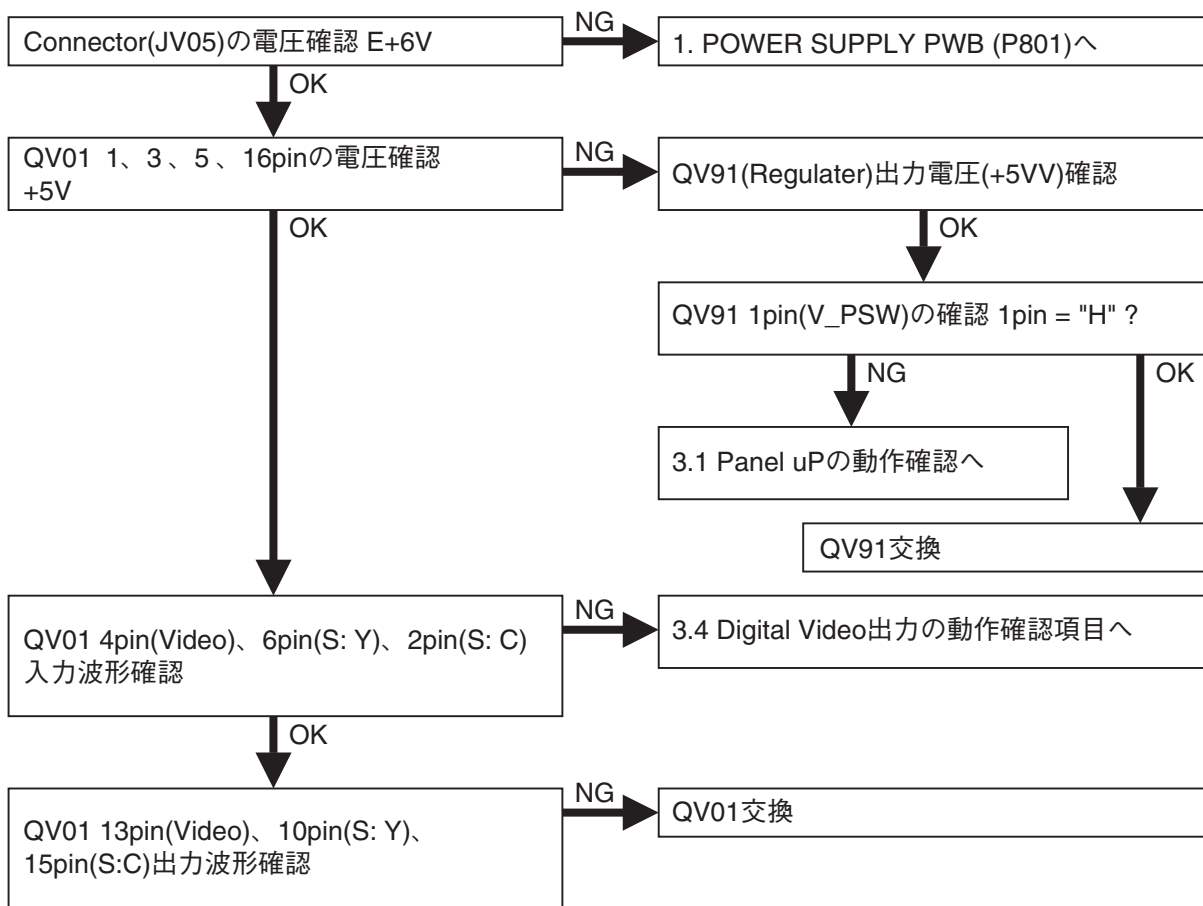
OUTPUT Format	Frequency of HDVCLK Signal
720P	74.5MHz
1080i	74.5MHz
480P/480i	27MHz
576P/576i	27MHz
1080P	148.5MHz

4.2 HDMI Driver 動作確認

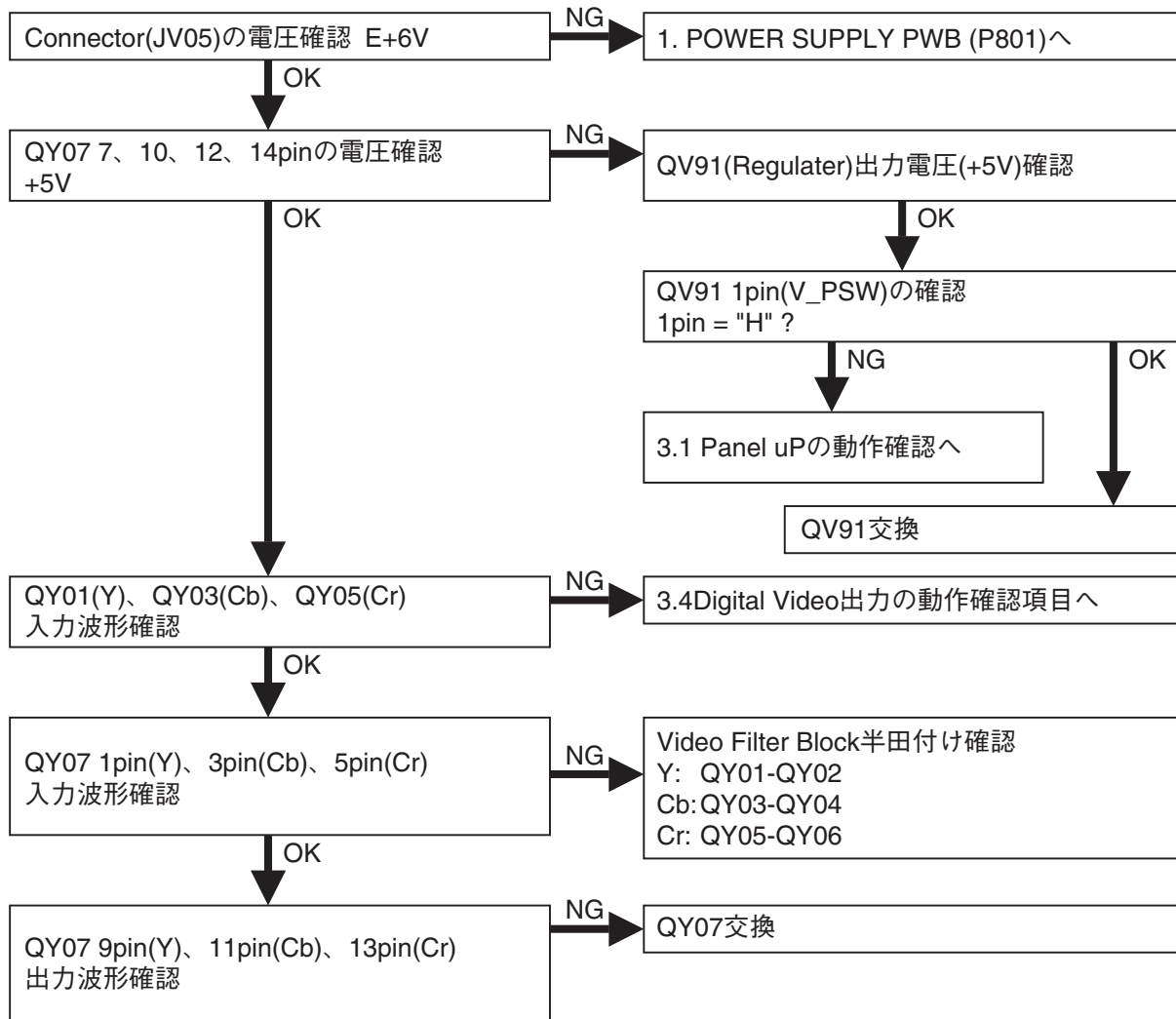


5. Analog Video 出力確認 : VIDEO PWB (PV01)

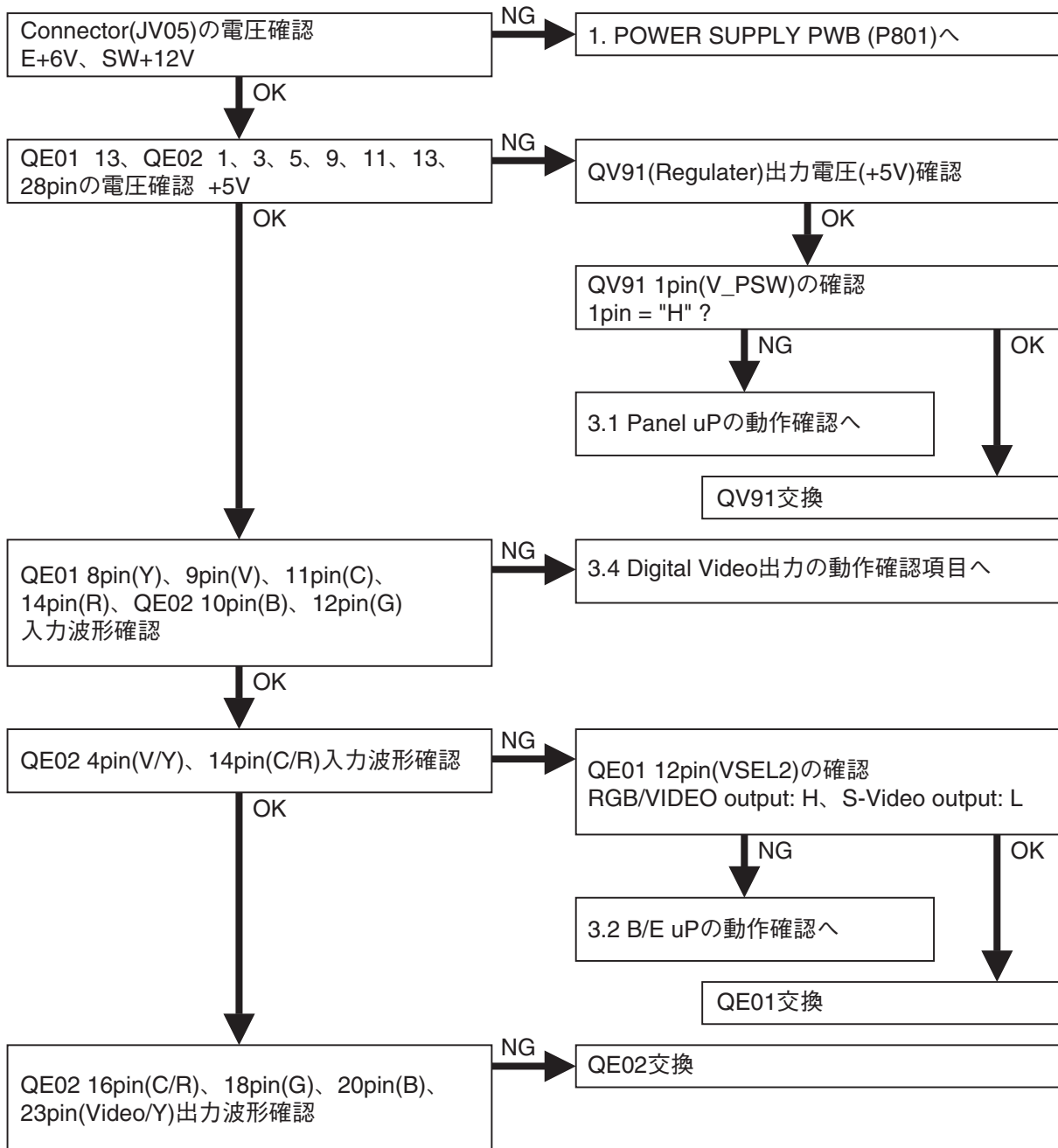
5.1 VIDEO(Composite)、S 端子出力出す



5.2 Component 出力出ず

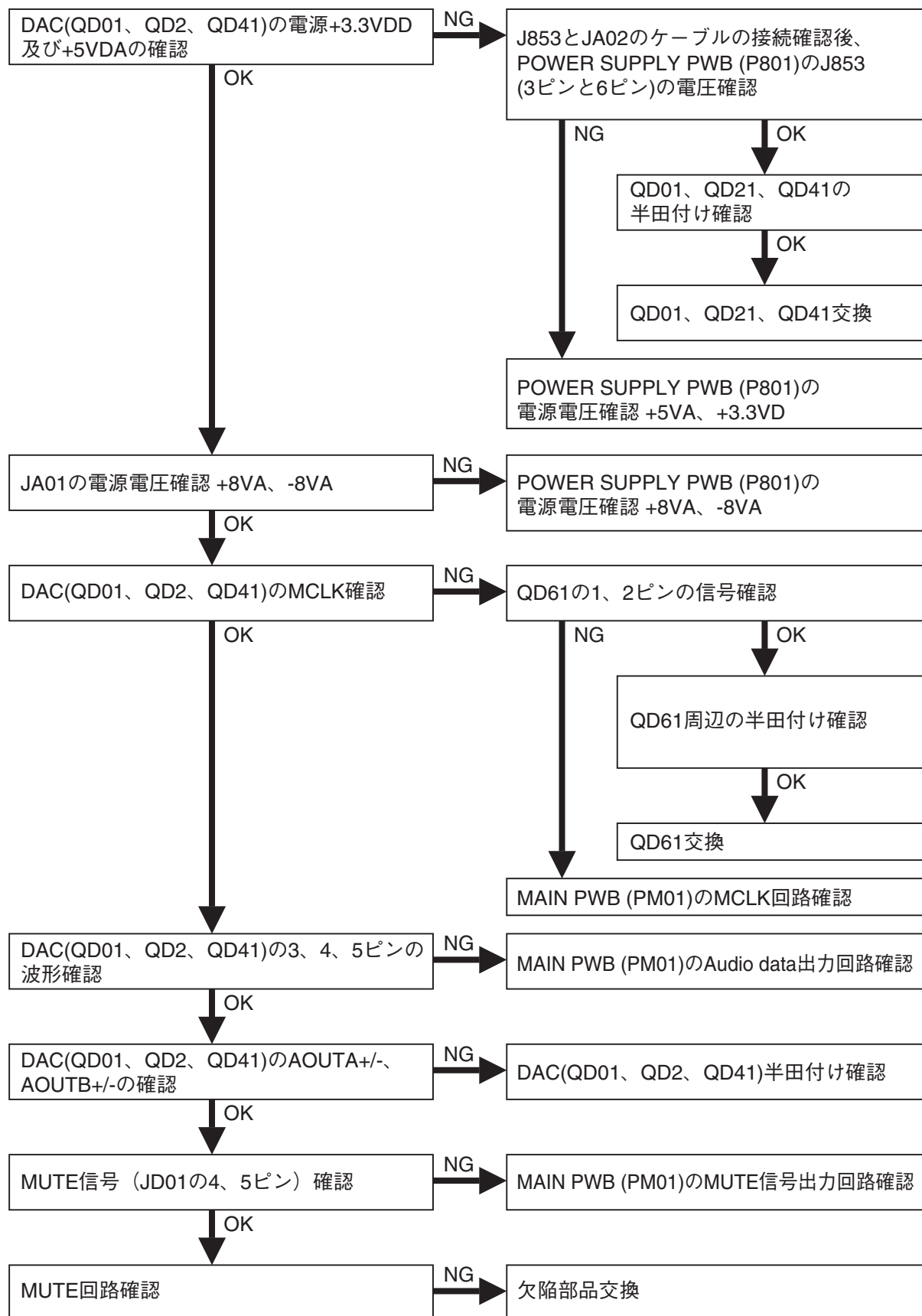


5.3 SCART 出力出ず



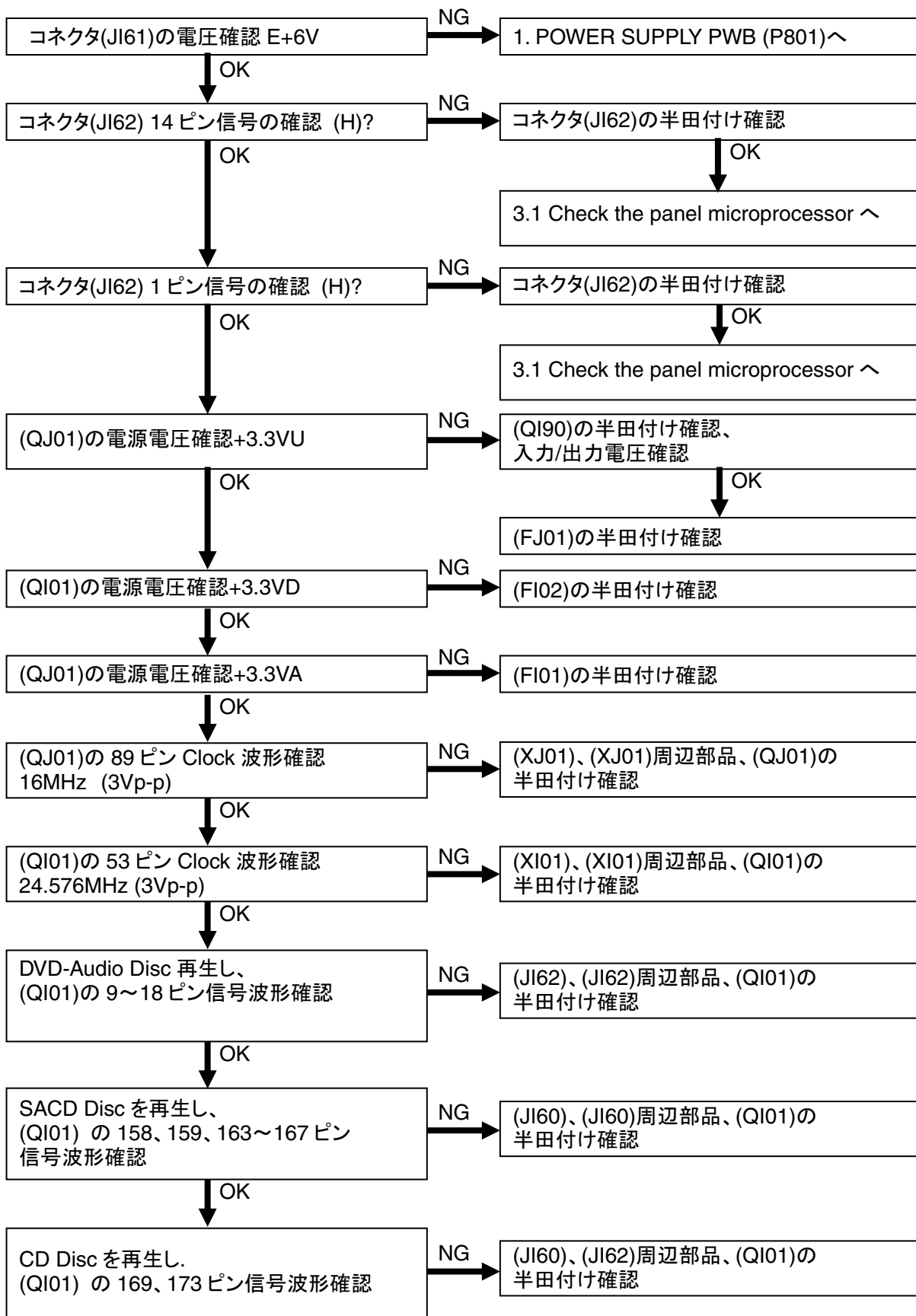
6. AUDIO PWB (PV01)

6.1 音が出ない



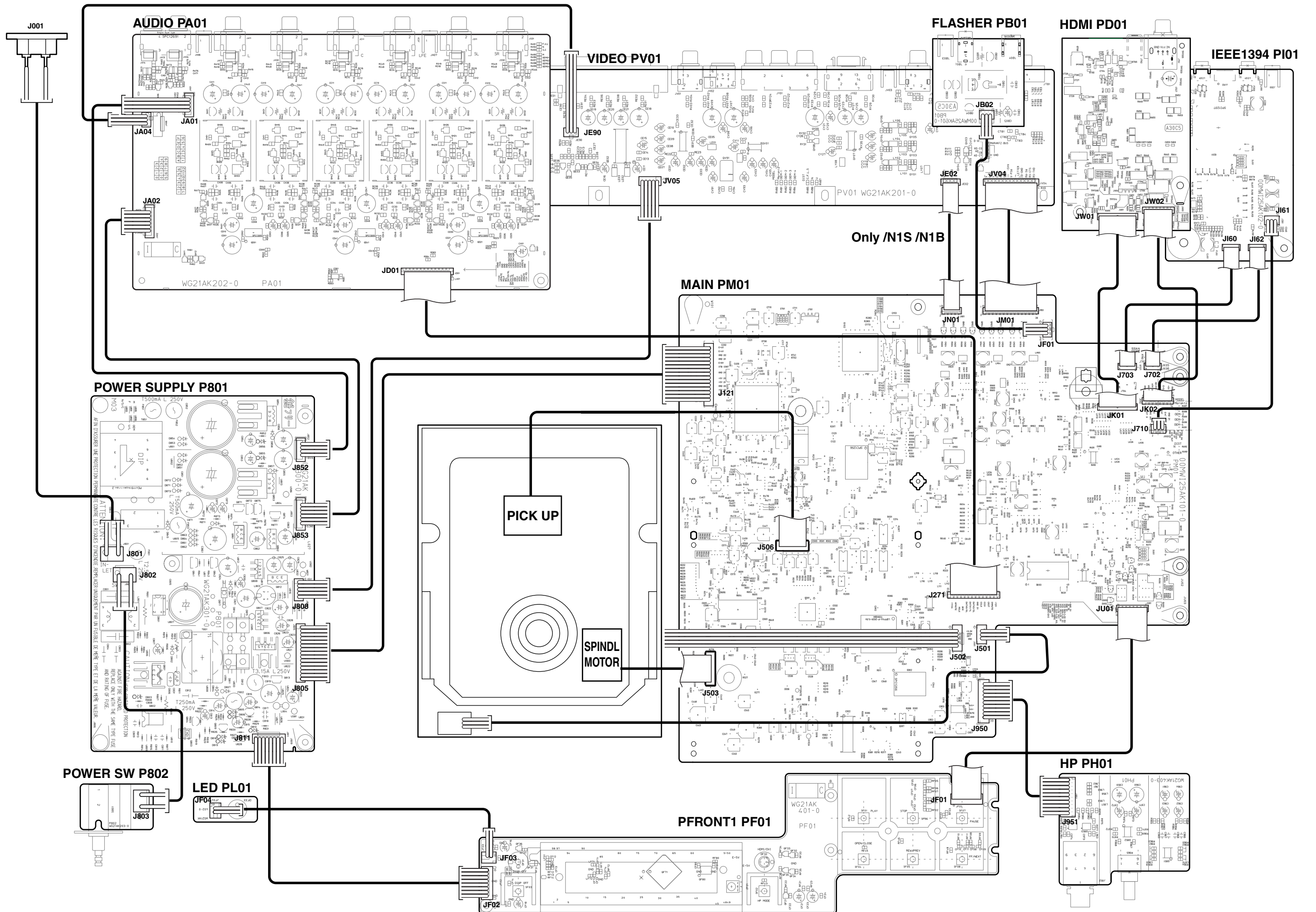
7. IEEE1394 PWB (PI01)

7.1 i.Link の動作確認

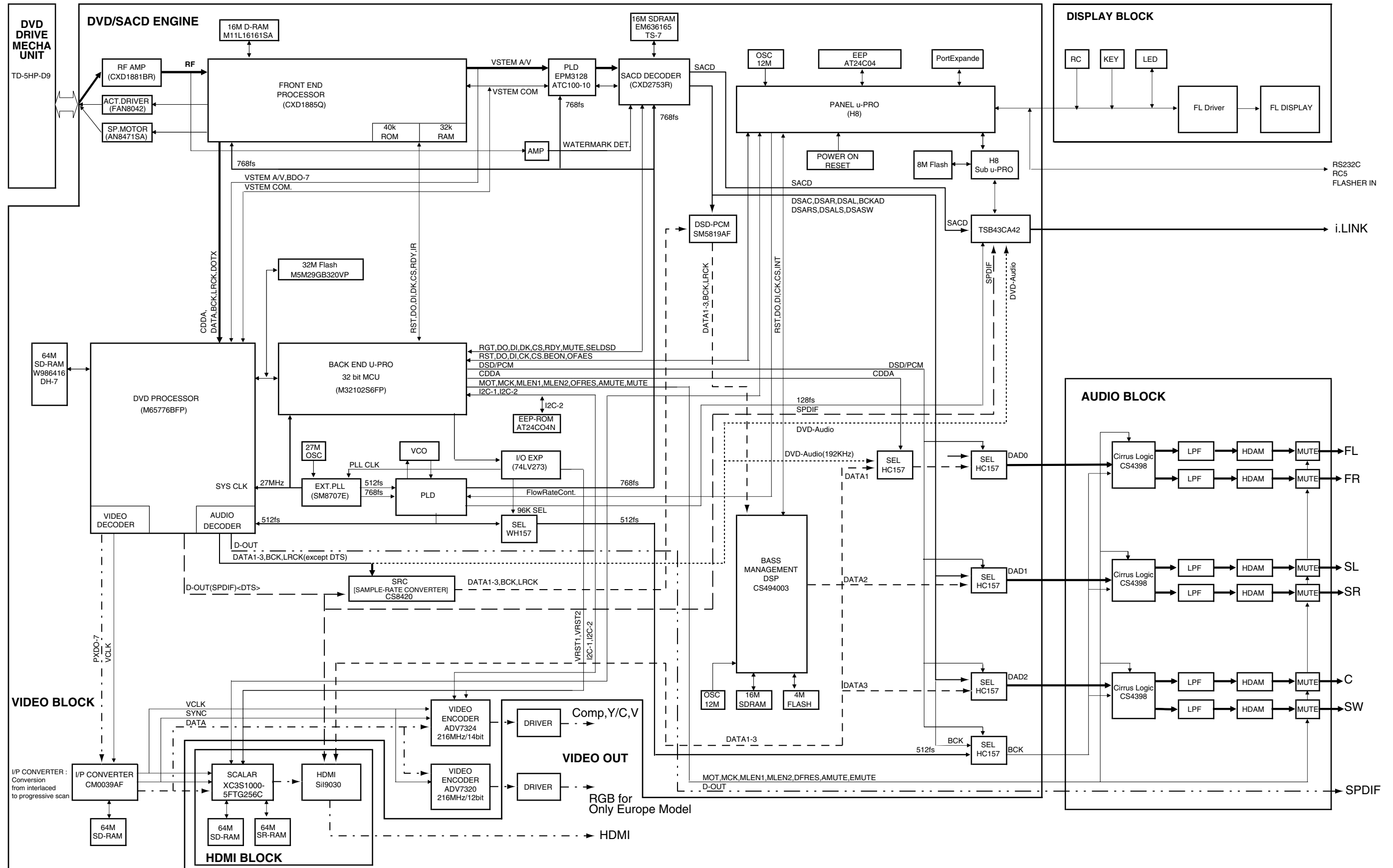


10. WIRING DIAGRAM

Only /N1S /N1B

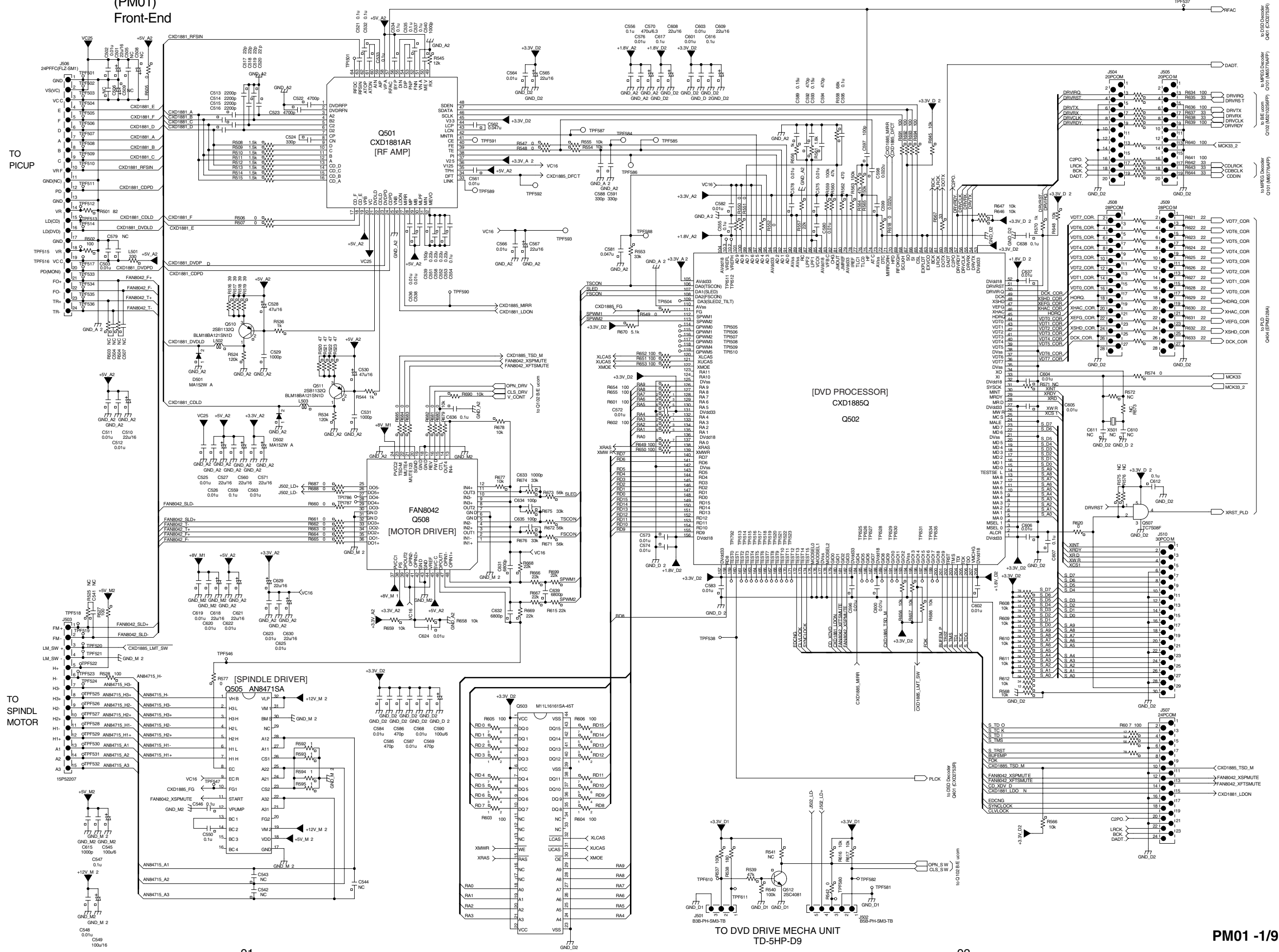


11. BLOCK DIAGRAM



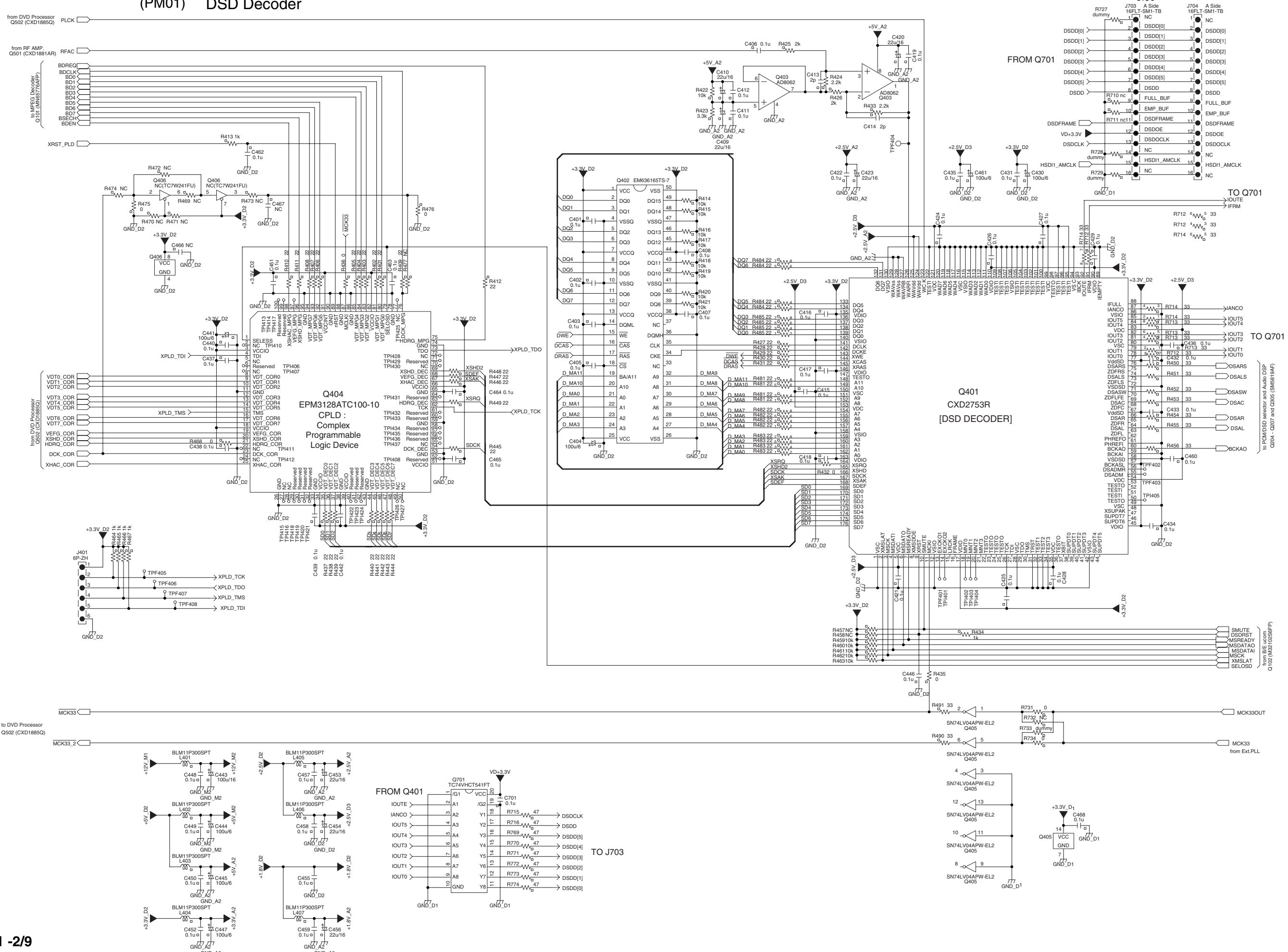
12. SCHEMATIC DIAGRAM

MAIN PWB -1/9 (PM01) Front-End



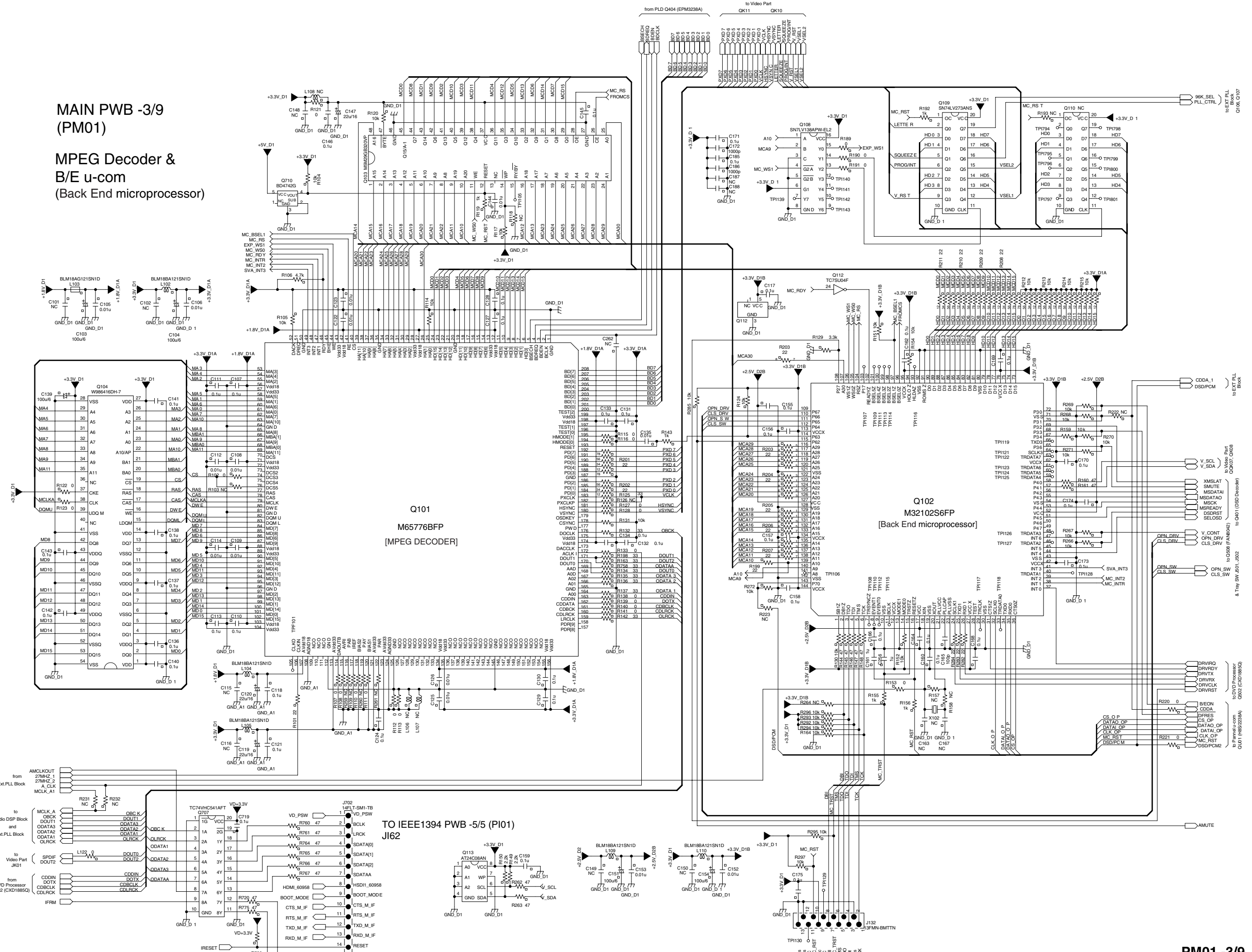
MAIN PWB -2/9
(PM01) DSD Decoder

TO IEEE1394 PWB -5/5 (PI01)

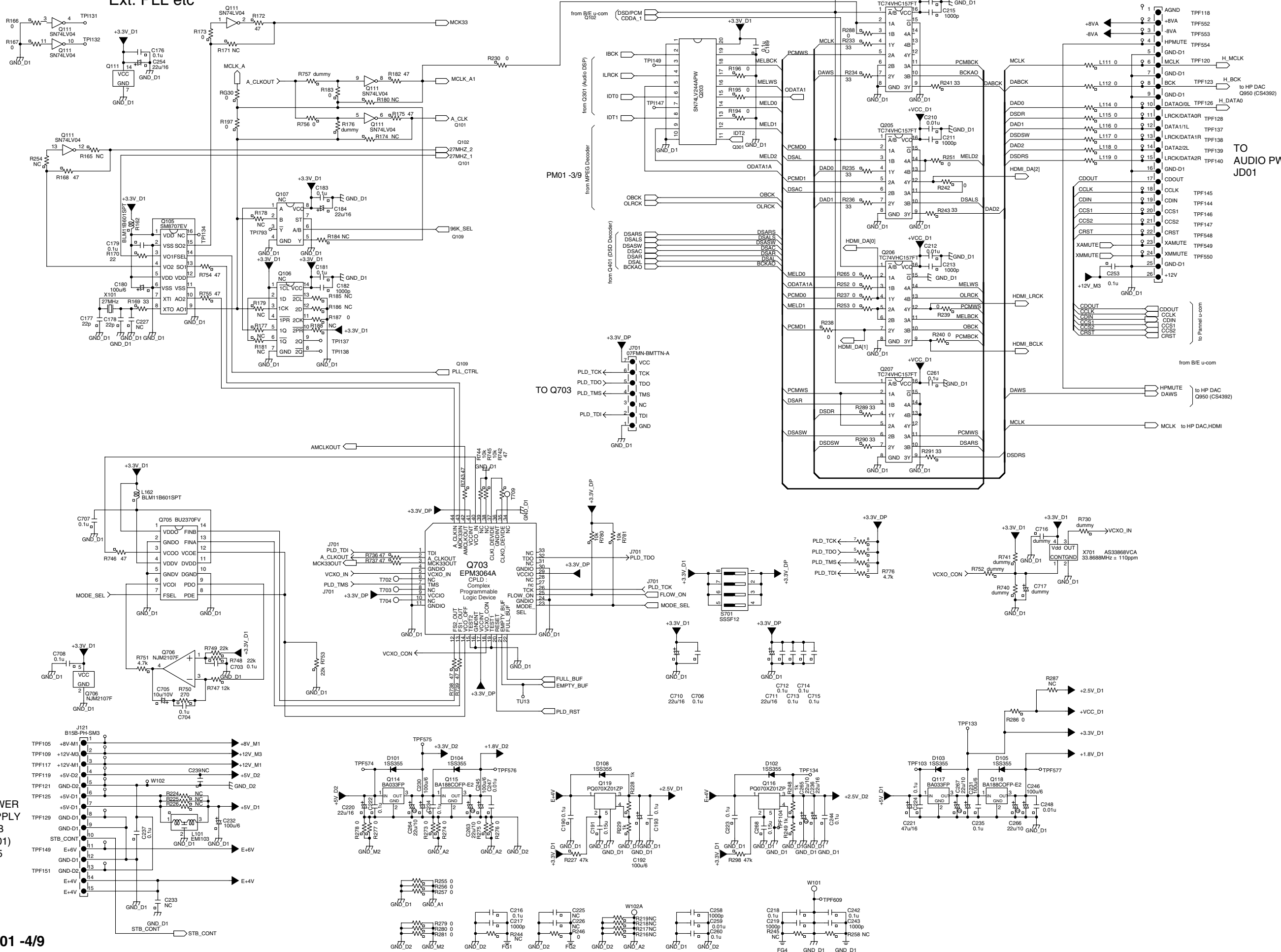


MAIN PWB -3/9
(PM01)

MPEG Decoder &
B/E u-com
(Back End microprocessor)



MAIN PWB -4/9
(PM01)
Ext. PLL etc



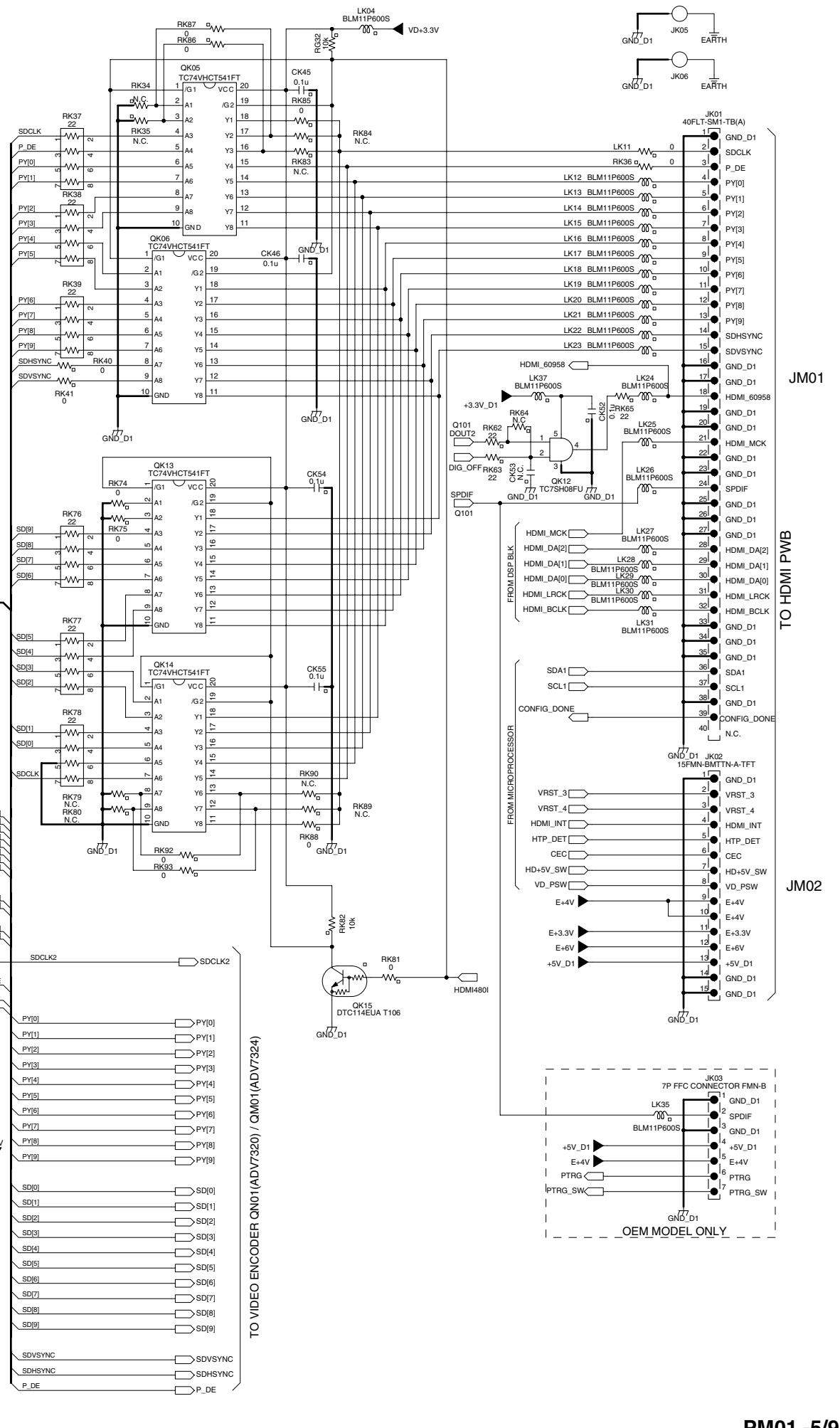
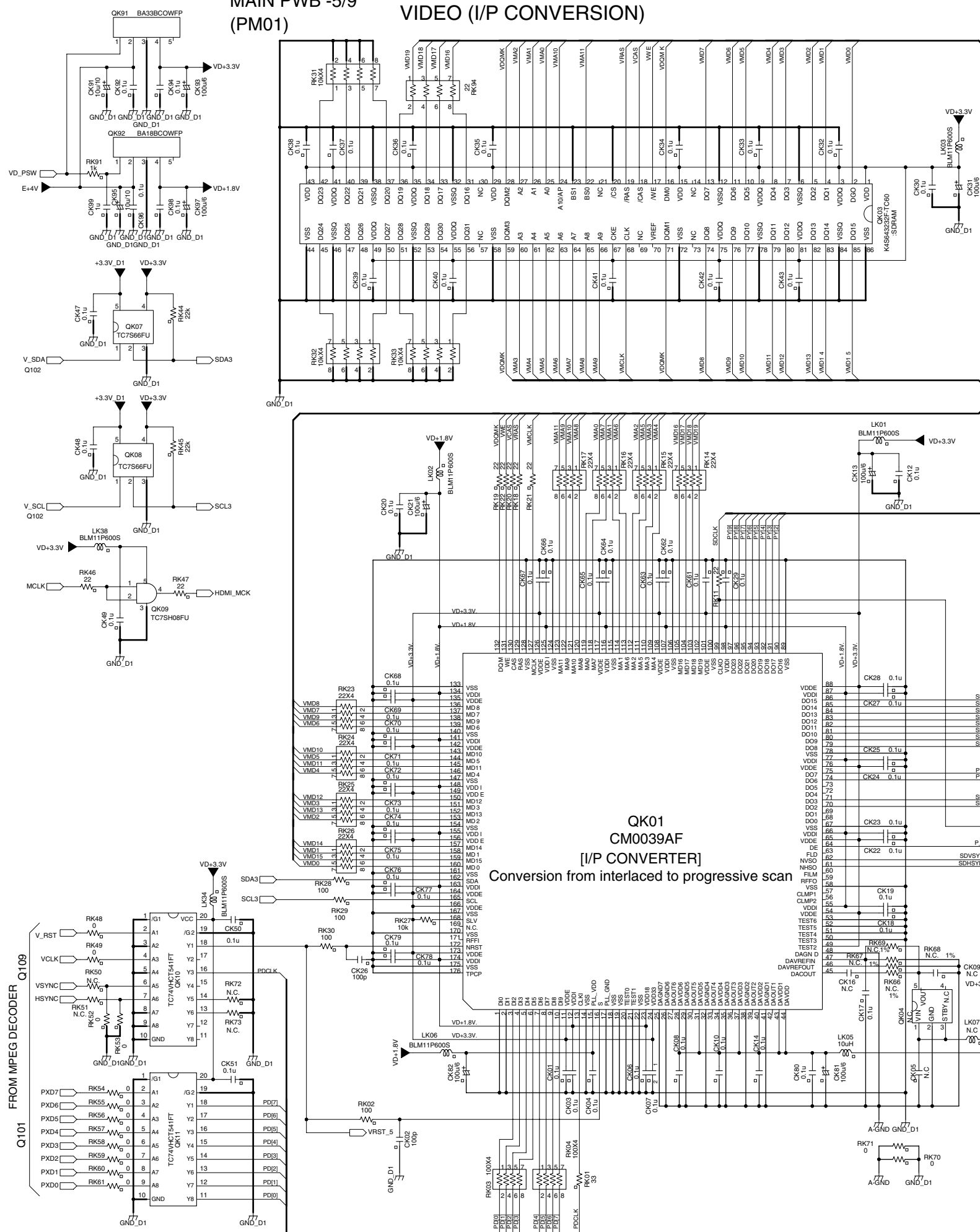
TO AUDIO PWB (PA01)
JD01

TO POWER SUPPLY PWB (P801) J805

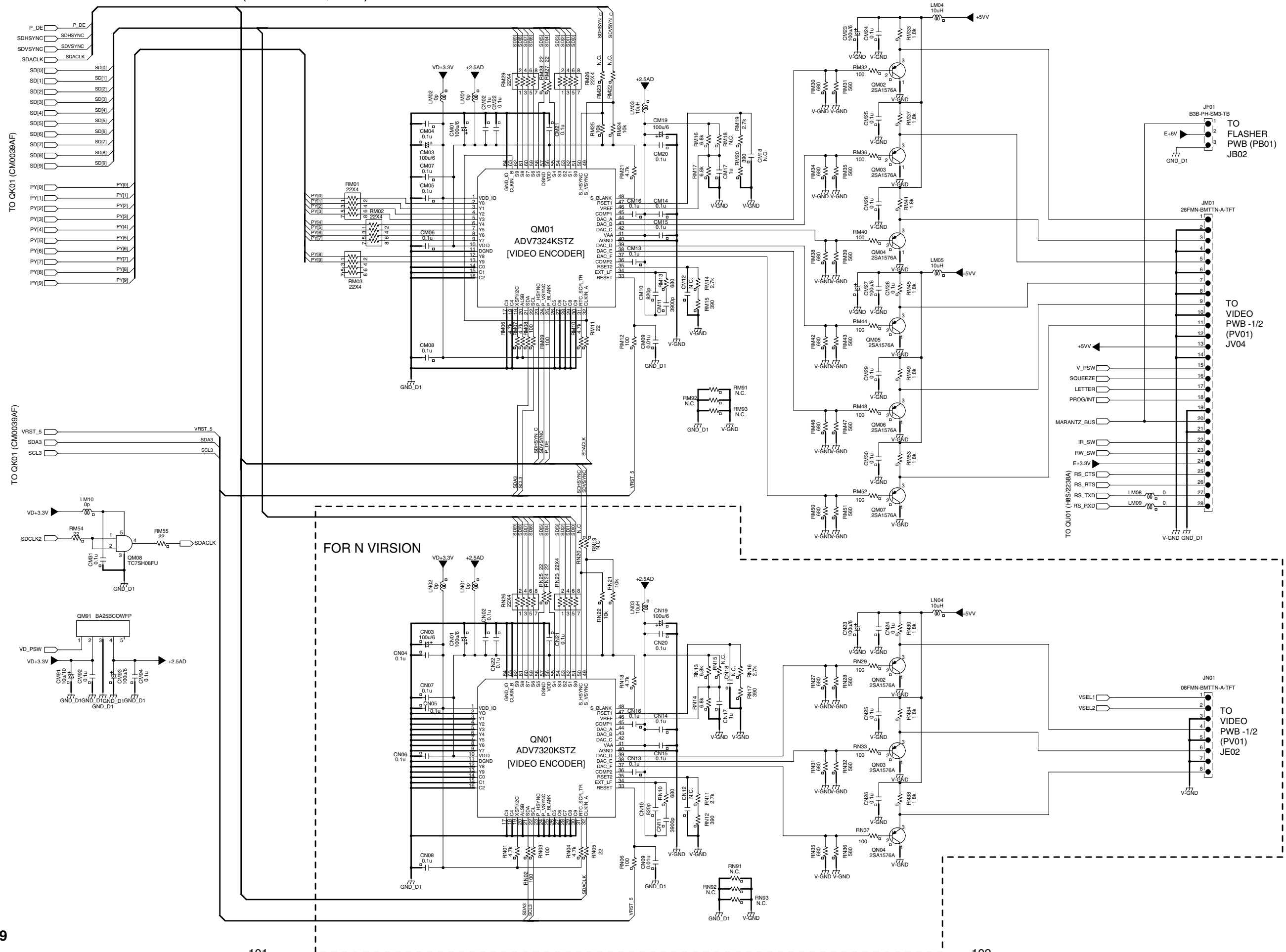
PM01 -4/9

MAIN PWB -5/9
(PM01)

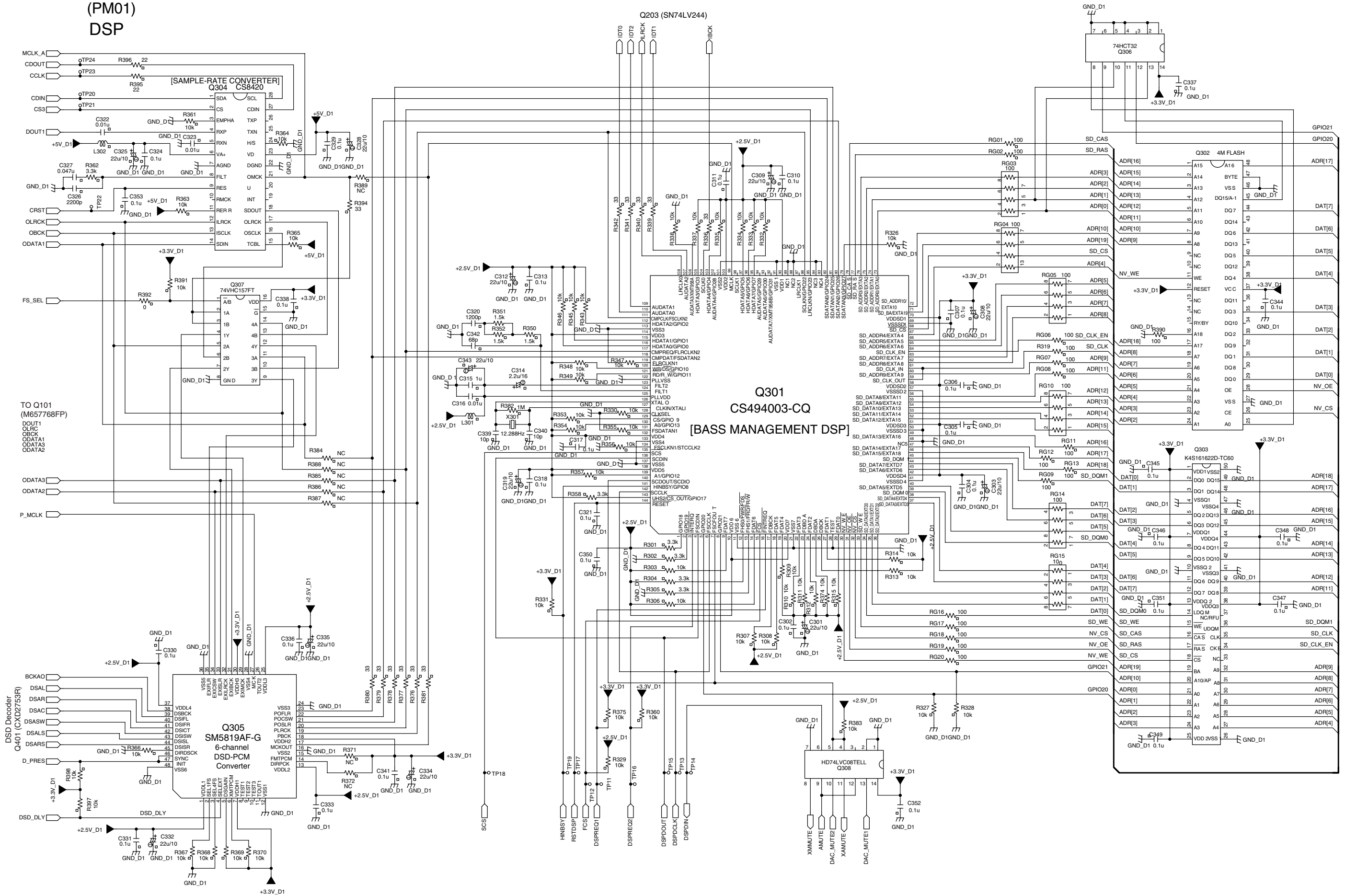
VIDEO (I/P CONVERSION)



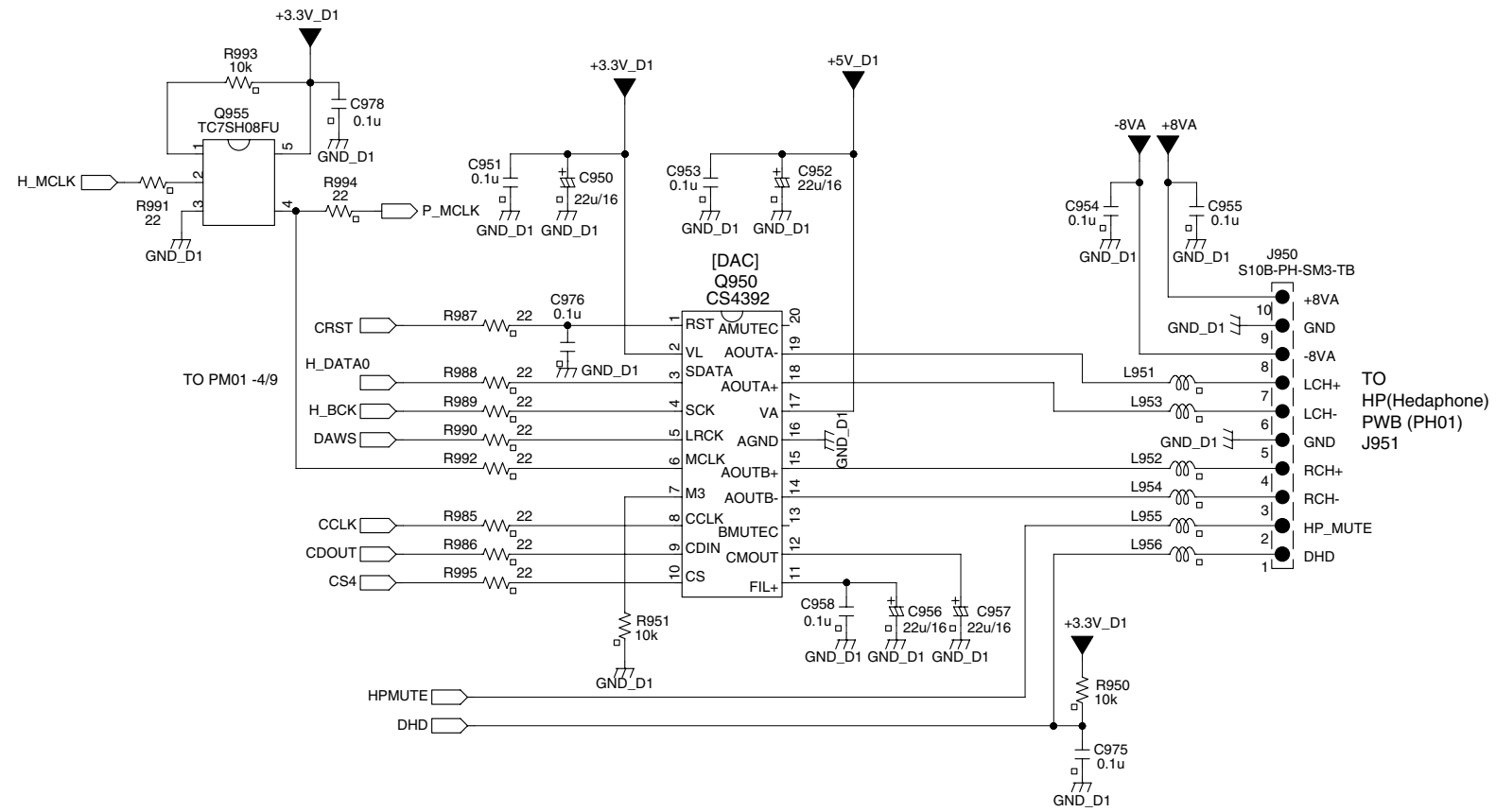
MAIN PWB -6/9
 (PM01)
 VIDEO(ENCODER,DAC)



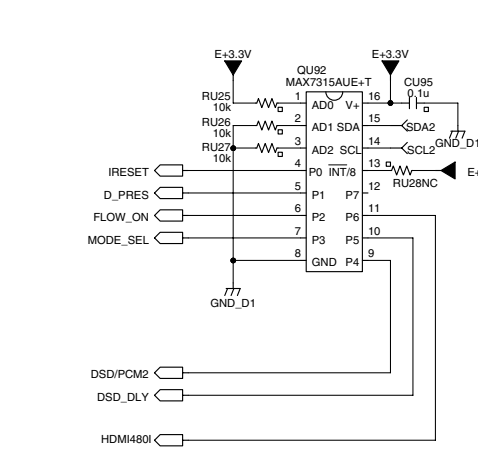
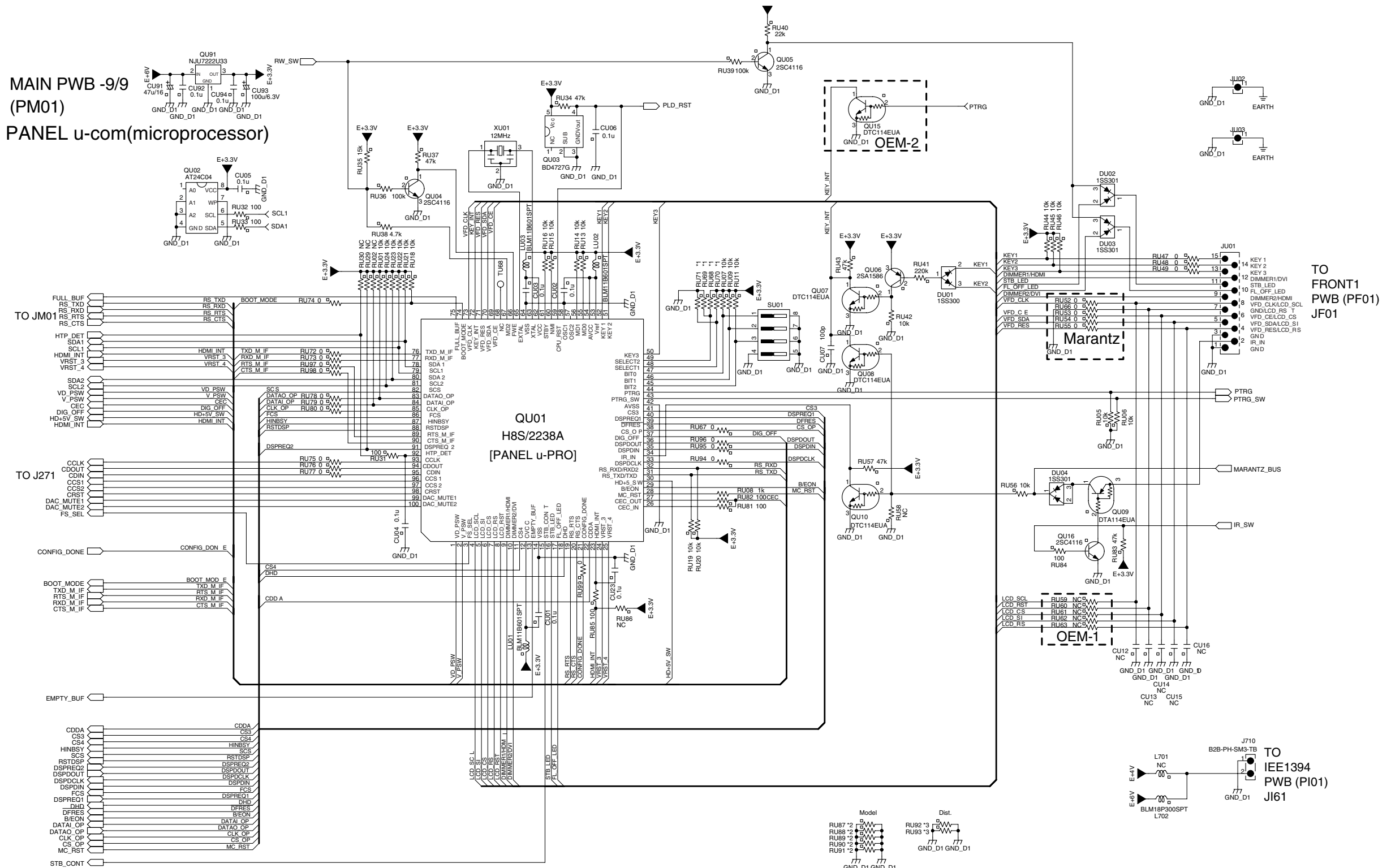
MAIN PWB -7/9
(PM01)
DSP



MAIN PWB -8/9
(PM01)
DAC for Hedaphone



MAIN PWB -9/9
(PM01)
PANEL u-com(microprocessor)



SU01(QU01 Pin n0.45,46,47) Setting : ON = L

Region	Dist	TV sys/LANG.	SW No. (u-com pin No.)			
			1 (47pin)	2 (45pin)	3 (46pin)	4 (-)
2	JPN	NTSC/JPN	ON	ON	ON	ON
1	USA	NTSC/ENG	ON	ON	OFF	ON
6	CHINA	PAL/ENG	ON	OFF	ON	ON
3	KOREA	NTSC/KOR	ON	OFF	OFF	ON
2	EURO	PAL/ENG	OFF	ON	ON	ON
3	TWN	NTSC/ENG	OFF	ON	OFF	ON
3	S'PORE	PAL/ENG	OFF	OFF	ON	ON
1	S.A.	PAL/ENG	OFF	OFF	OFF	ON

Area Indication
 F: Japan
 U: USA and Canada
 K: China
 C: Korea
 N: Europe
 S: S'Pore
 L: Tiwan
 V: South Africa

*1

Model	RU68	RU69	RU70	RU71
DV8500	NC	10k	NC	10k
OEM-1	NC	10k	10k	NC
OEM-2	10k	NC	NC	10k

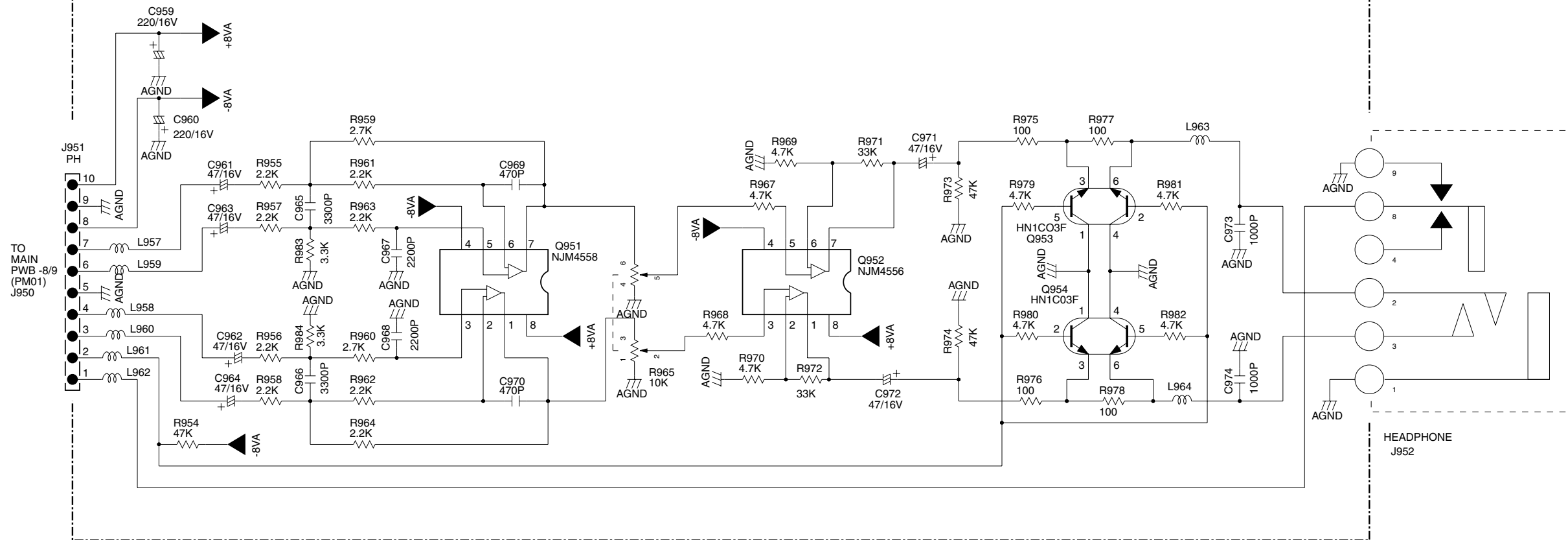
*2

Model	Marantz	OEM-1	OEM-2	OEM-3	OEM-4
RU87	0	NC	NC	NC	NC
RU88	NC	0	NC	NC	NC
RU89	NC	NC	0	NC	NC
RU90	NC	NC	NC	0	NC
RU91	NC	NC	NC	NC	0

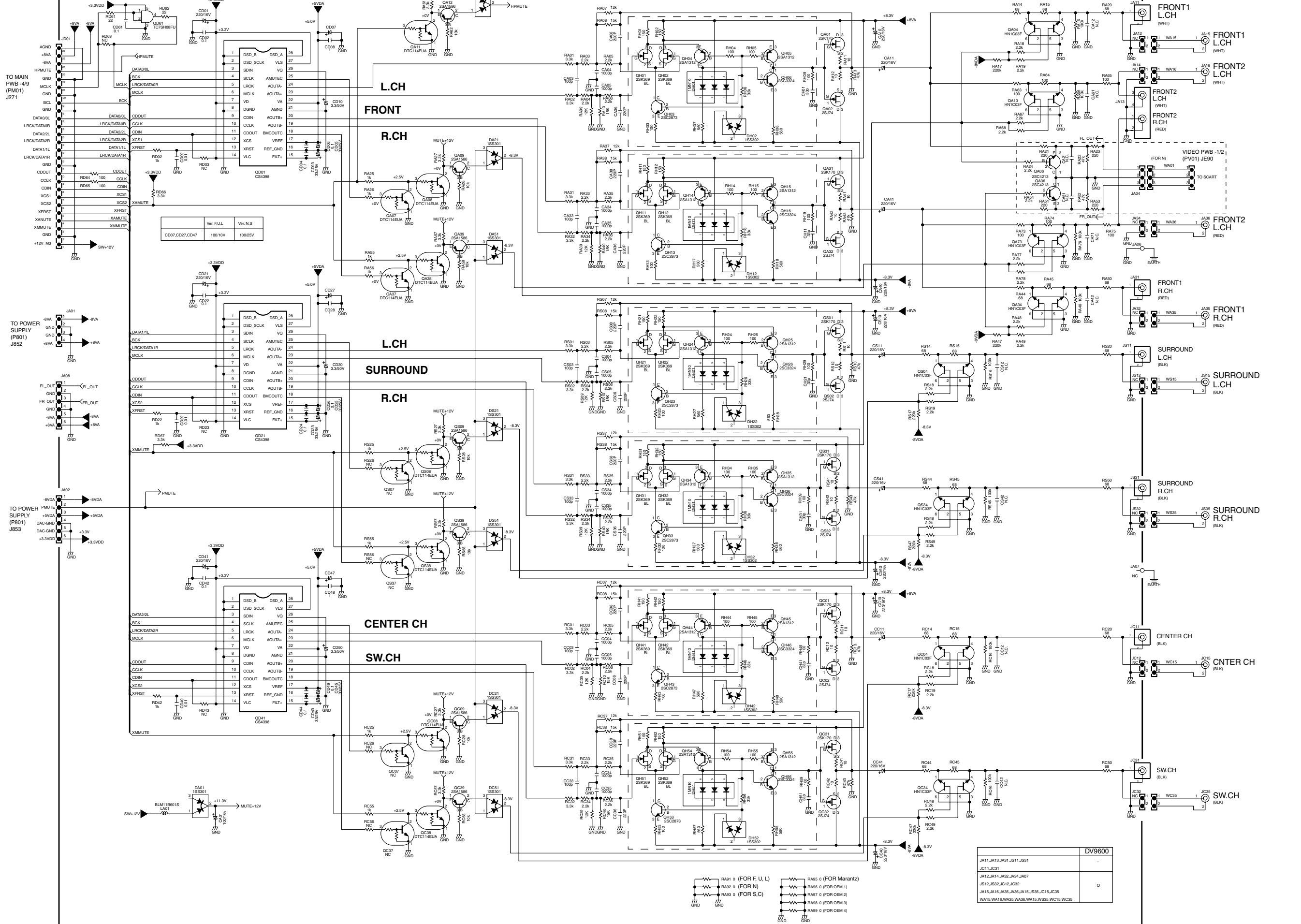
*3

Dist.	N	other
RU92	0	NC
RU93	NC	0

HP (HEADPHONE) PWB
(PH01)



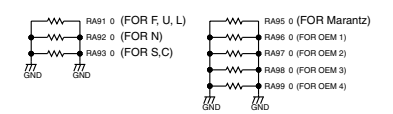
AUDIO PWB (PA01)



CD07, CD27, CD47	Ver. FULL	Ver. NS
	100/10V	100/20V

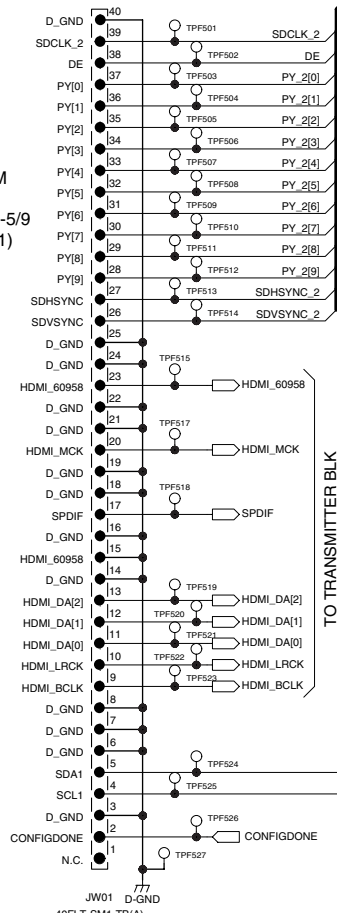
CD41	220/16V
CD43	1k

DC07	NC
DC08	NC
DC09	NC
DC10	NC
DC11	NC
DC12	NC
DC13	NC
DC14	NC
DC15	NC
DC16	NC
DC17	NC
DC18	NC
DC19	NC
DC20	NC
DC21	NC
DC22	NC
DC23	NC
DC24	NC
DC25	NC
DC26	NC
DC27	NC
DC28	NC
DC29	NC
DC30	NC
DC31	NC
DC32	NC
DC33	NC
DC34	NC
DC35	NC
DC36	NC
DC37	NC
DC38	NC
DC39	NC
DC40	NC
DC41	NC
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DC43	NC
DC44	NC
DC45	NC
DC46	NC
DC47	NC
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DC89	NC
DC90	NC
DC91	NC
DC92	NC
DC93	NC
DC94	NC
DC95	NC
DC96	NC
DC97	NC
DC98	NC
DC99	NC
DC100	NC



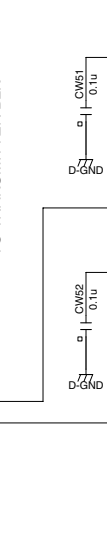
JA11, JA13, JA31, JS11, JS31	DCV9600
JA12, JA14, JA32, JA34, JA07	
JS12, JS32, JC12, JC32	
JA15, JA16, JA35, JA36, JA15, JS35, JC15, JC35	o
WA15, WA16, WA35, WA36, WA15, WS35, WC15, WC35	

FROM MAIN PWB -5/9 (PM01) JK01

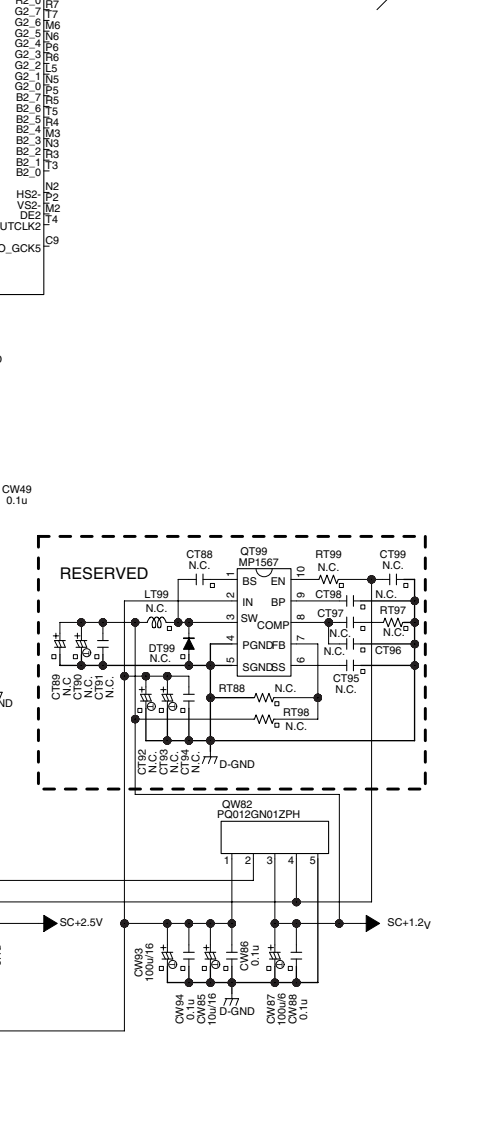
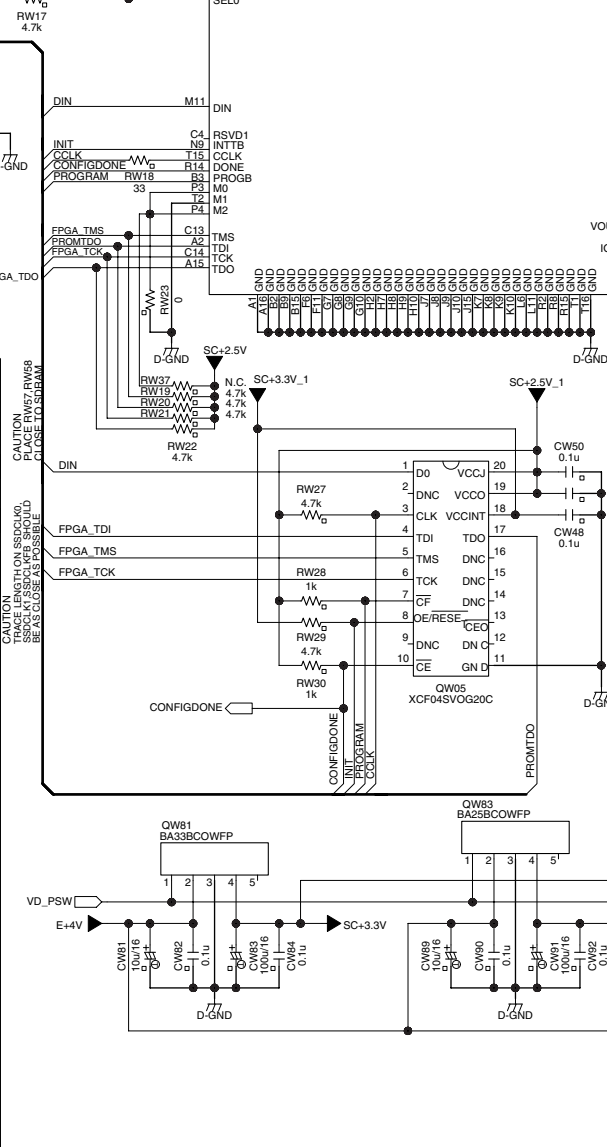
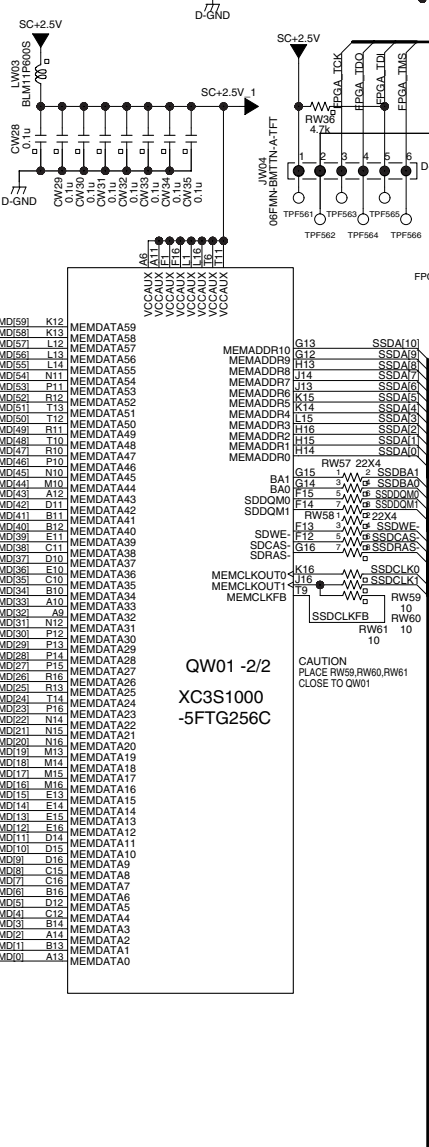
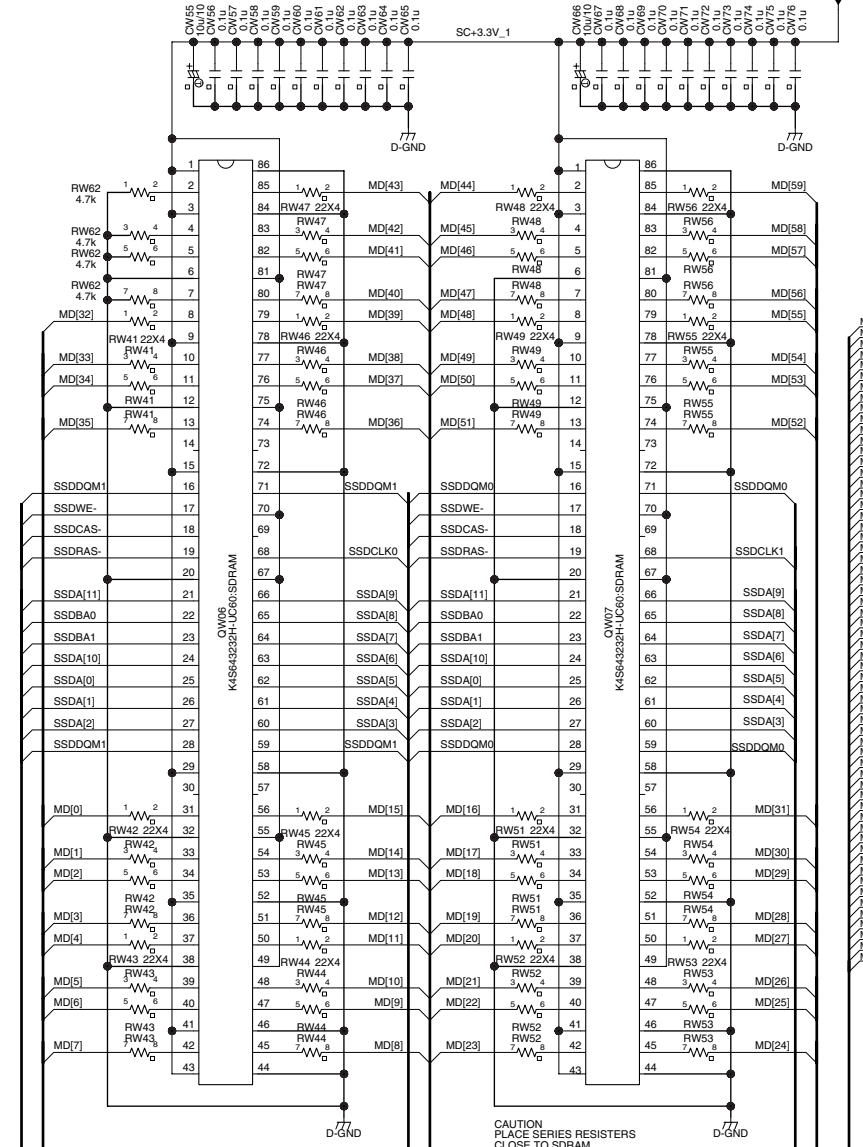
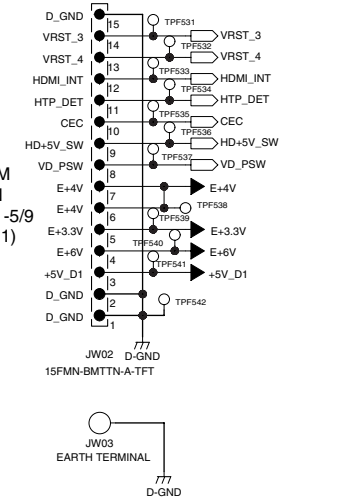


HDMI PWB -1/2 (PD01) VIDEO (SCALER)

TO TRANSMITTER BLK



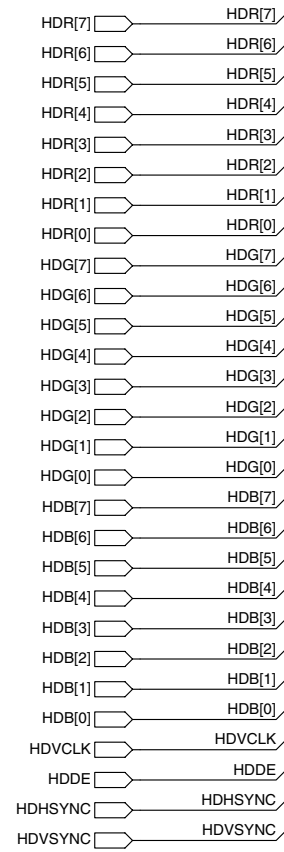
FROM MAIN PWB -5/9 (PM01) JK02



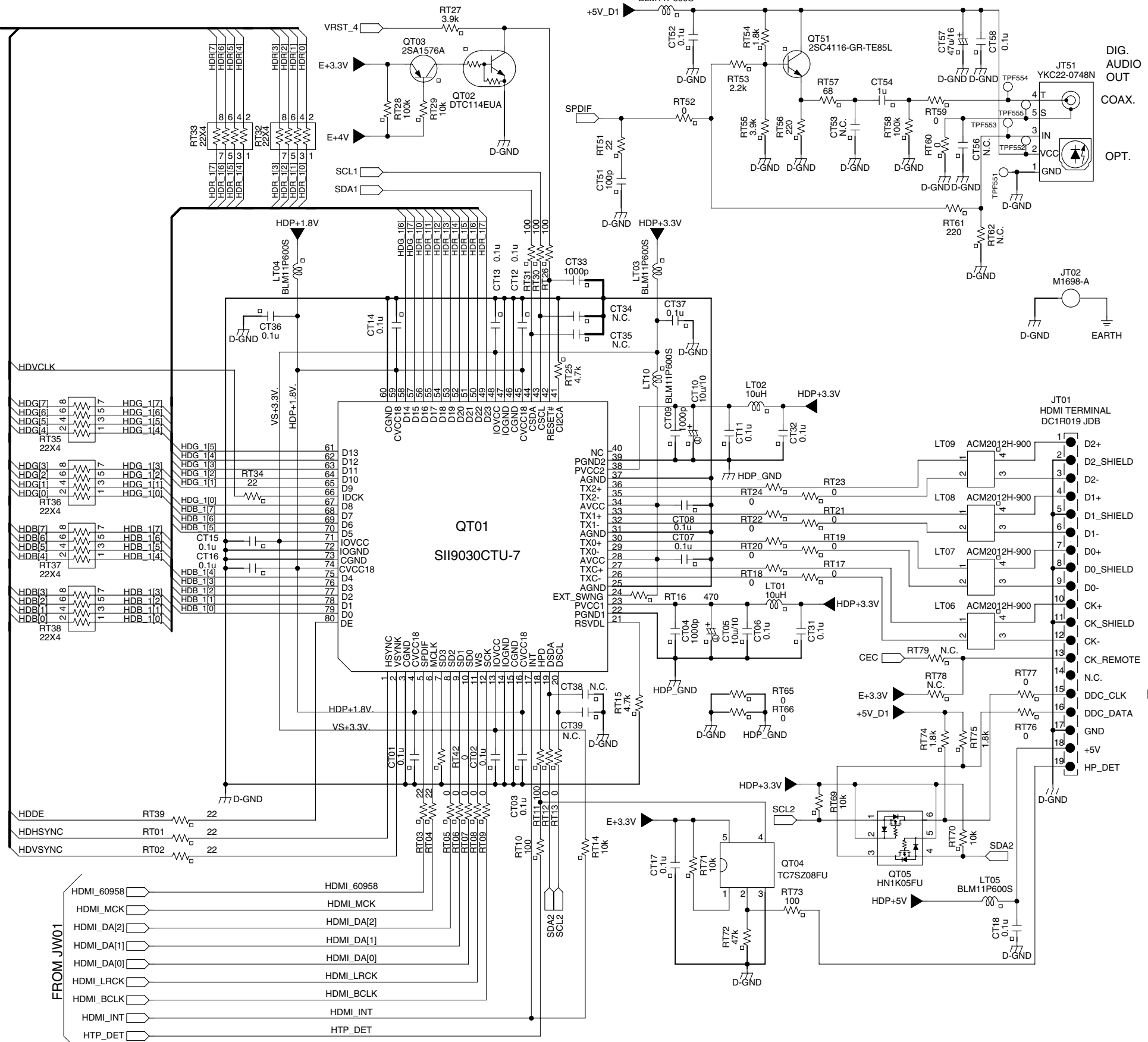
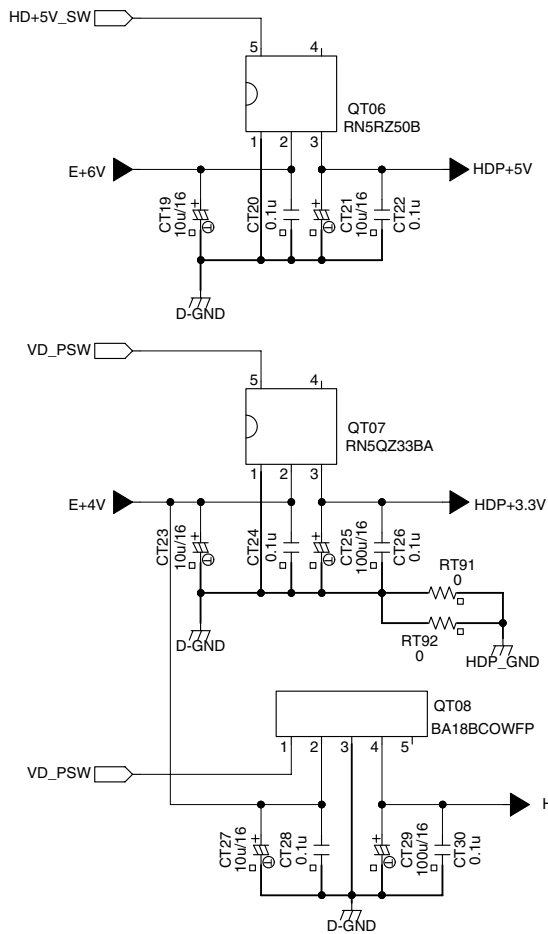
TO HDMI TRANSMITTER BLK

HDMI PWB -2/2
(PD01)

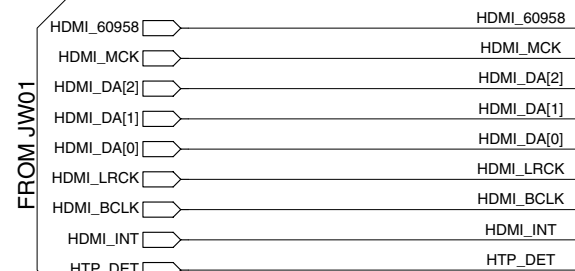
HDMI Tans.



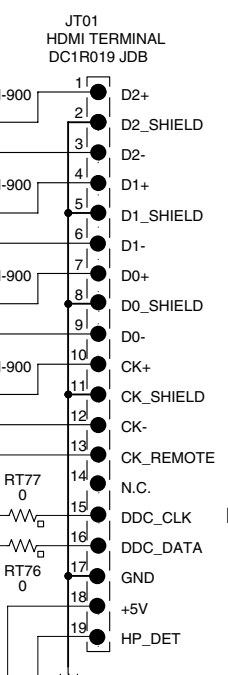
Caution
It wires for these by equal length +-5%



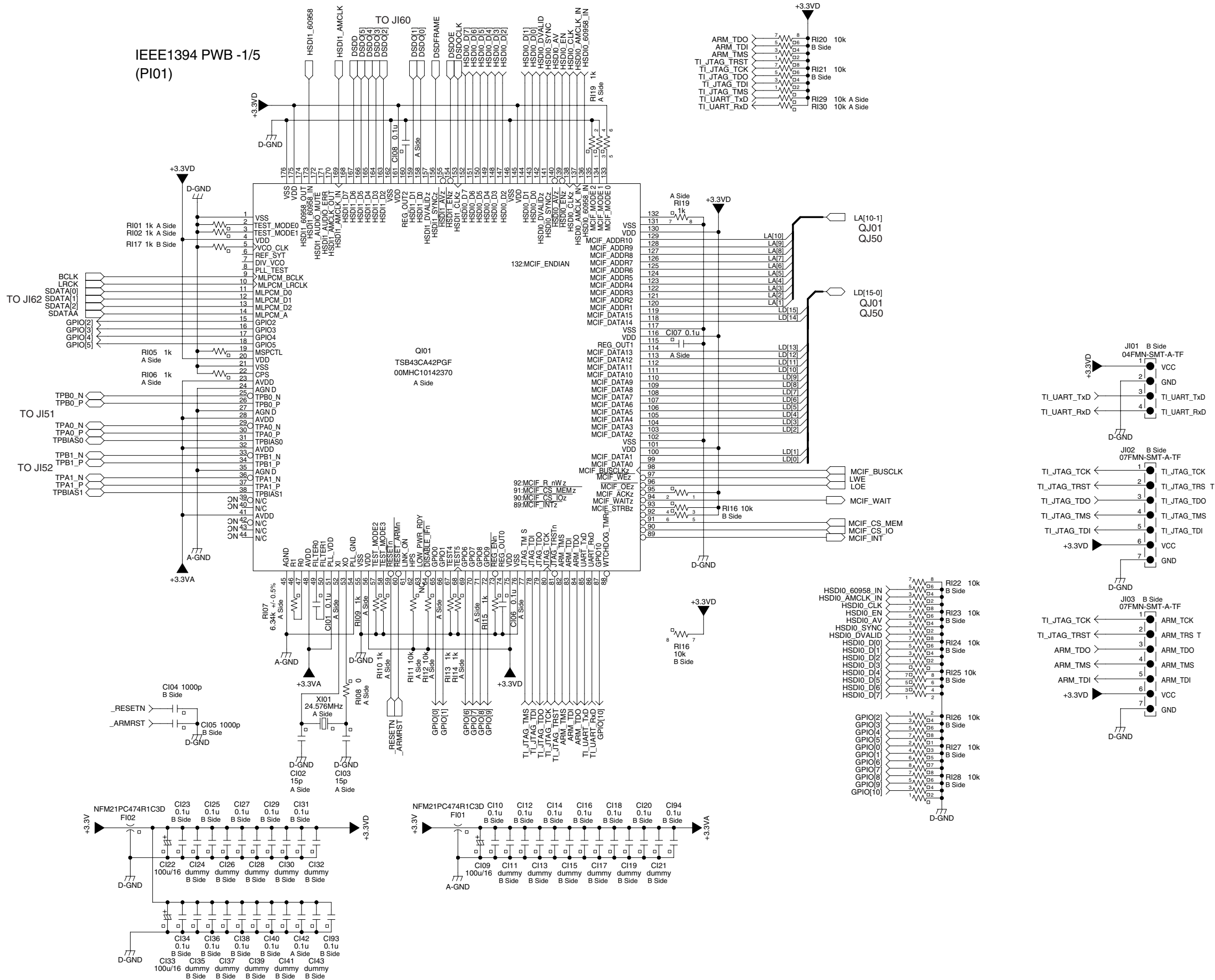
Caution
(1) It wires for these by equal length +-5%
(2) The differential motion impedance is adjusted to 100 OHM +-10%



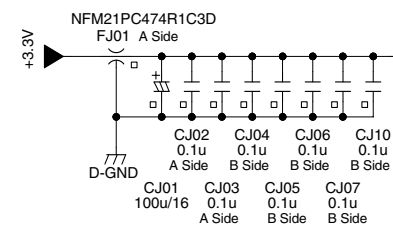
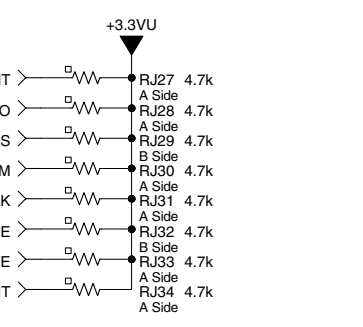
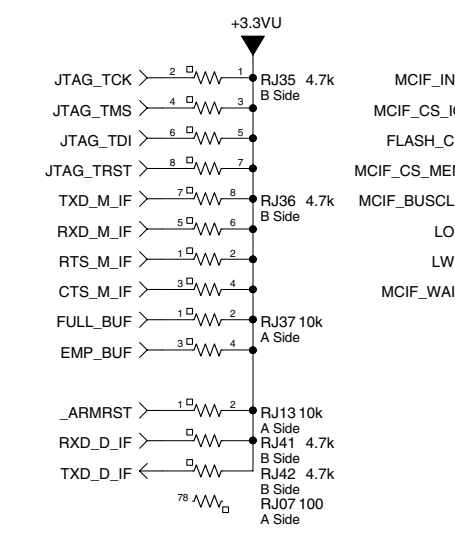
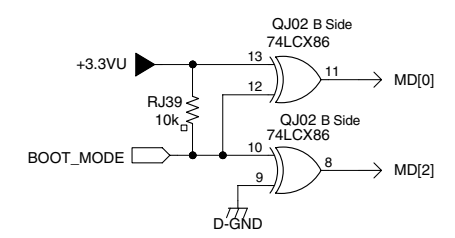
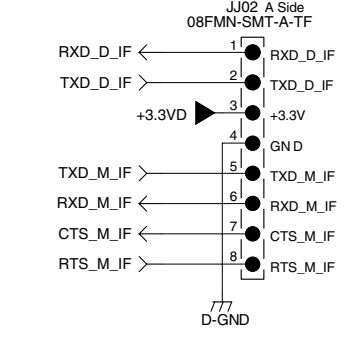
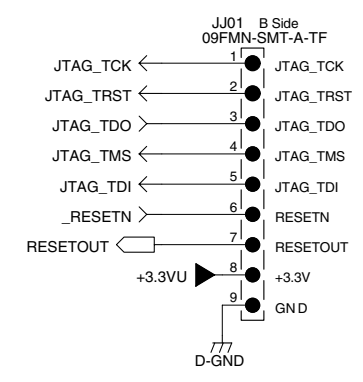
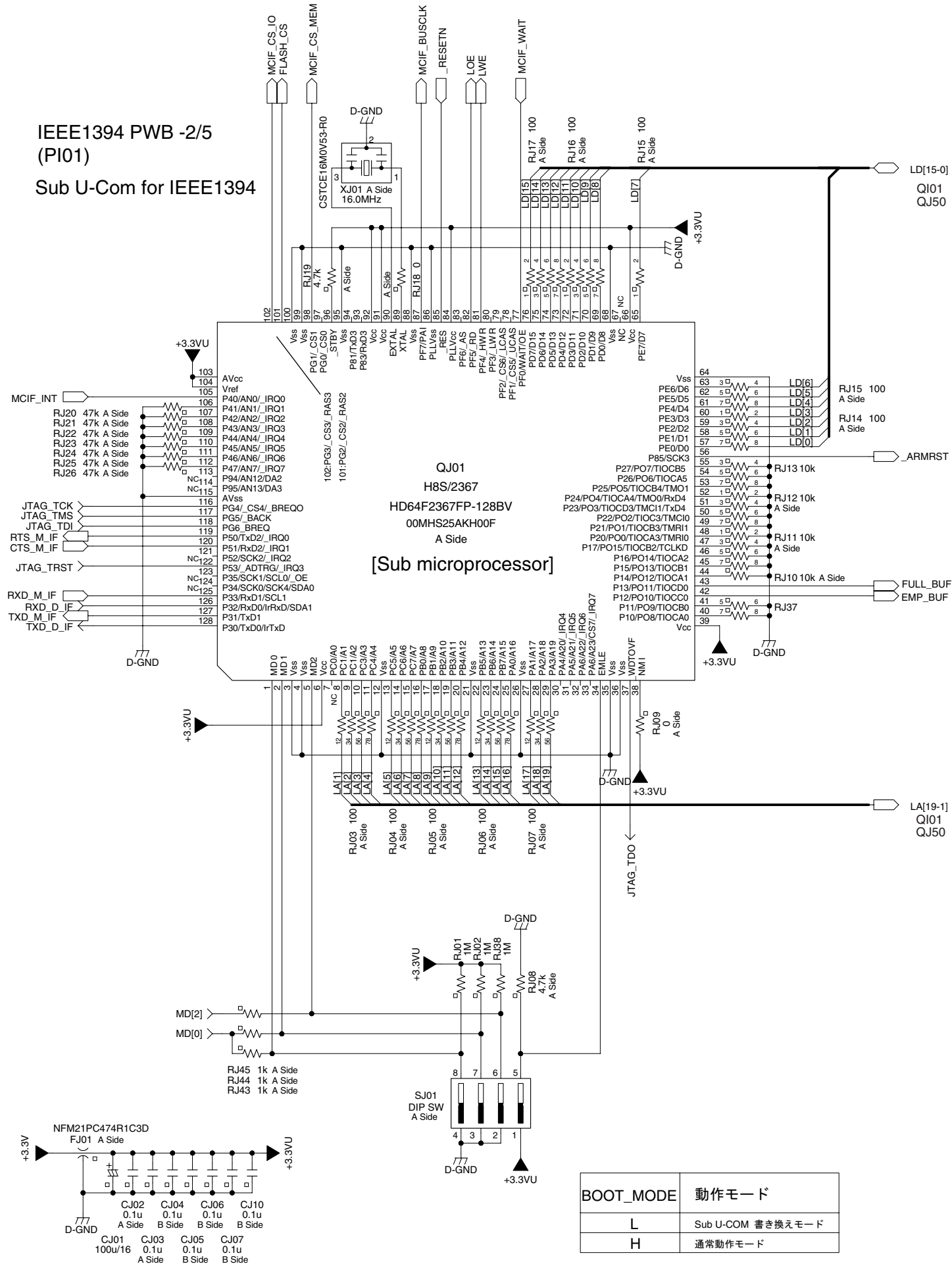
HDMI OUT



IEEE1394 PWB -1/5
(PI01)

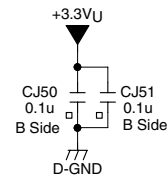
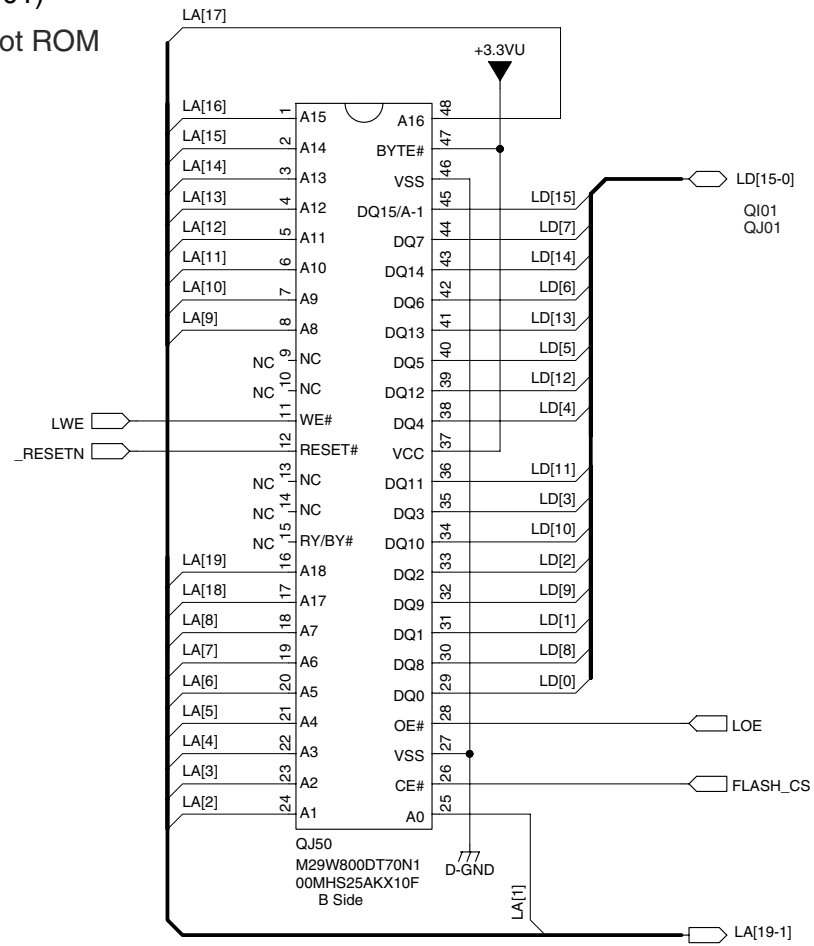


IEEE1394 PWB -2/5
(PI01)
Sub U-Com for IEEE1394

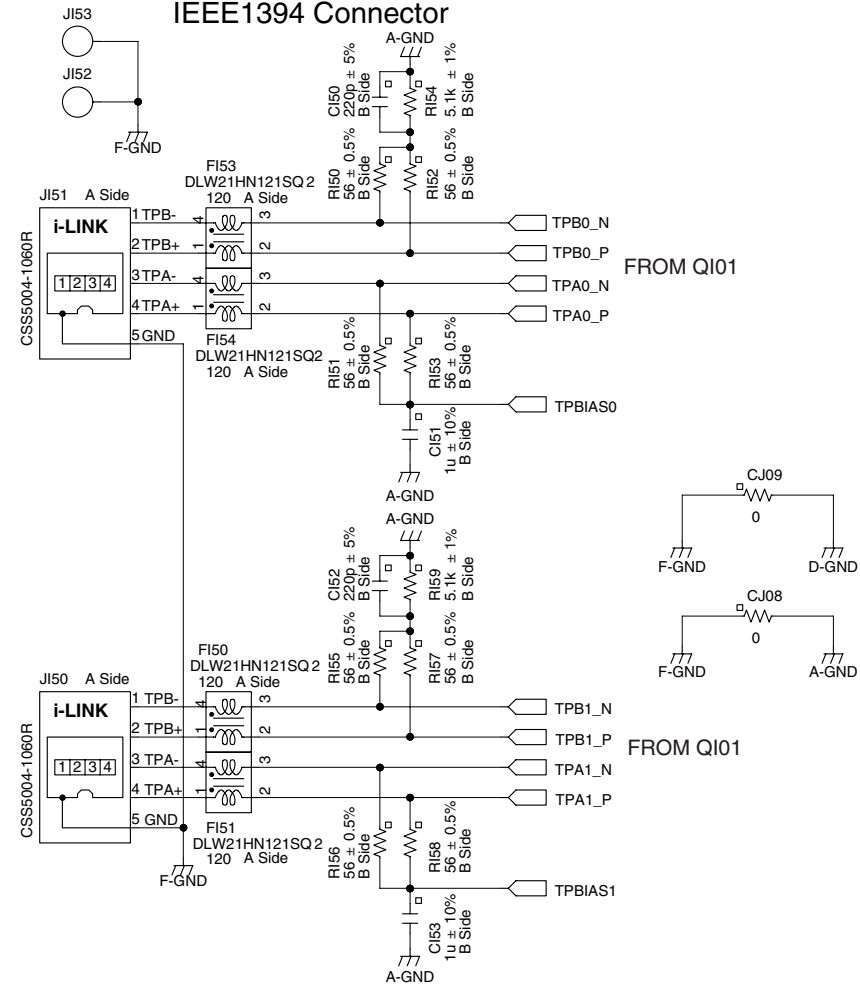


BOOT_MODE	動作モード
L	Sub U-COM 書き換えモード
H	通常動作モード

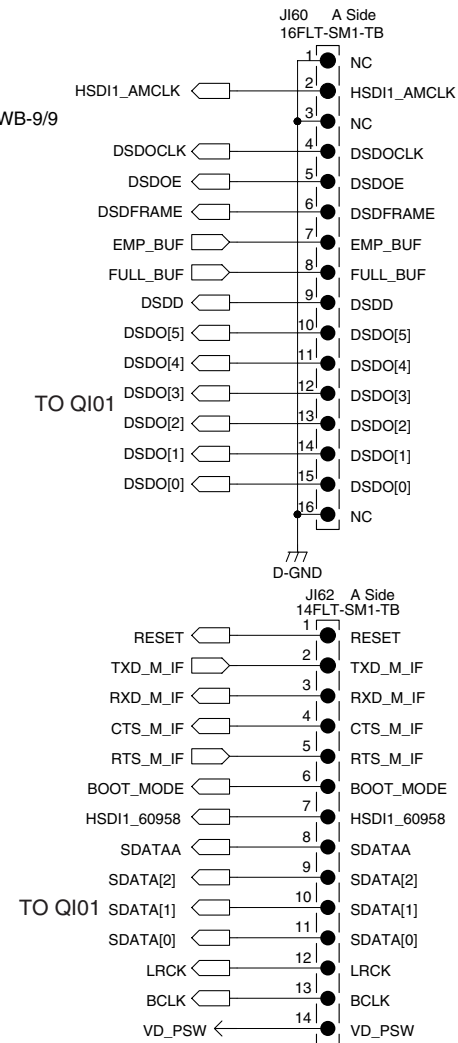
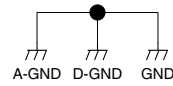
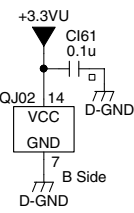
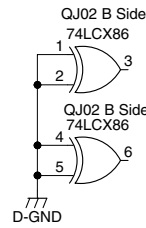
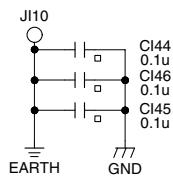
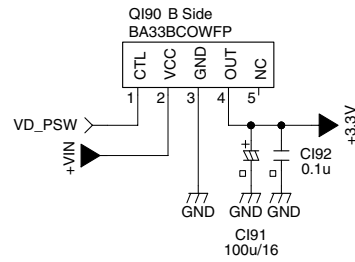
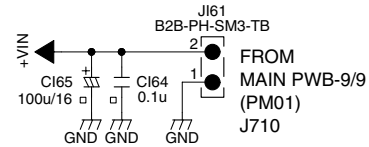
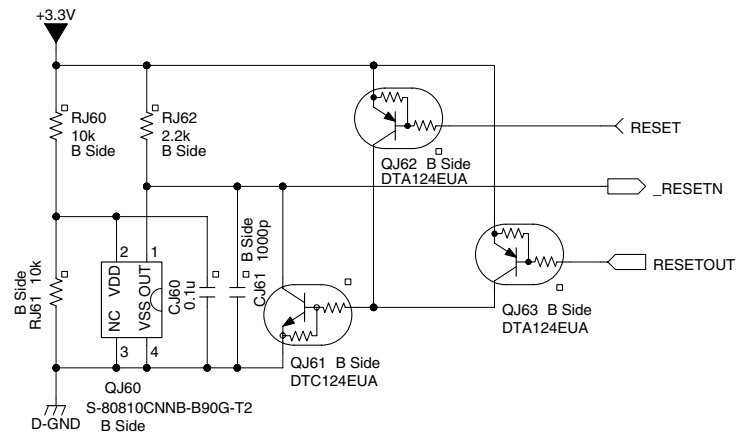
IEEE1394 PWB -3/5
(PI01)
Boot ROM



IEEE1394 PWB -4/5
(PI01)
IEEE1394 Connector



IEEE1394 PWB -5/5
(PI01)
Power & Connector



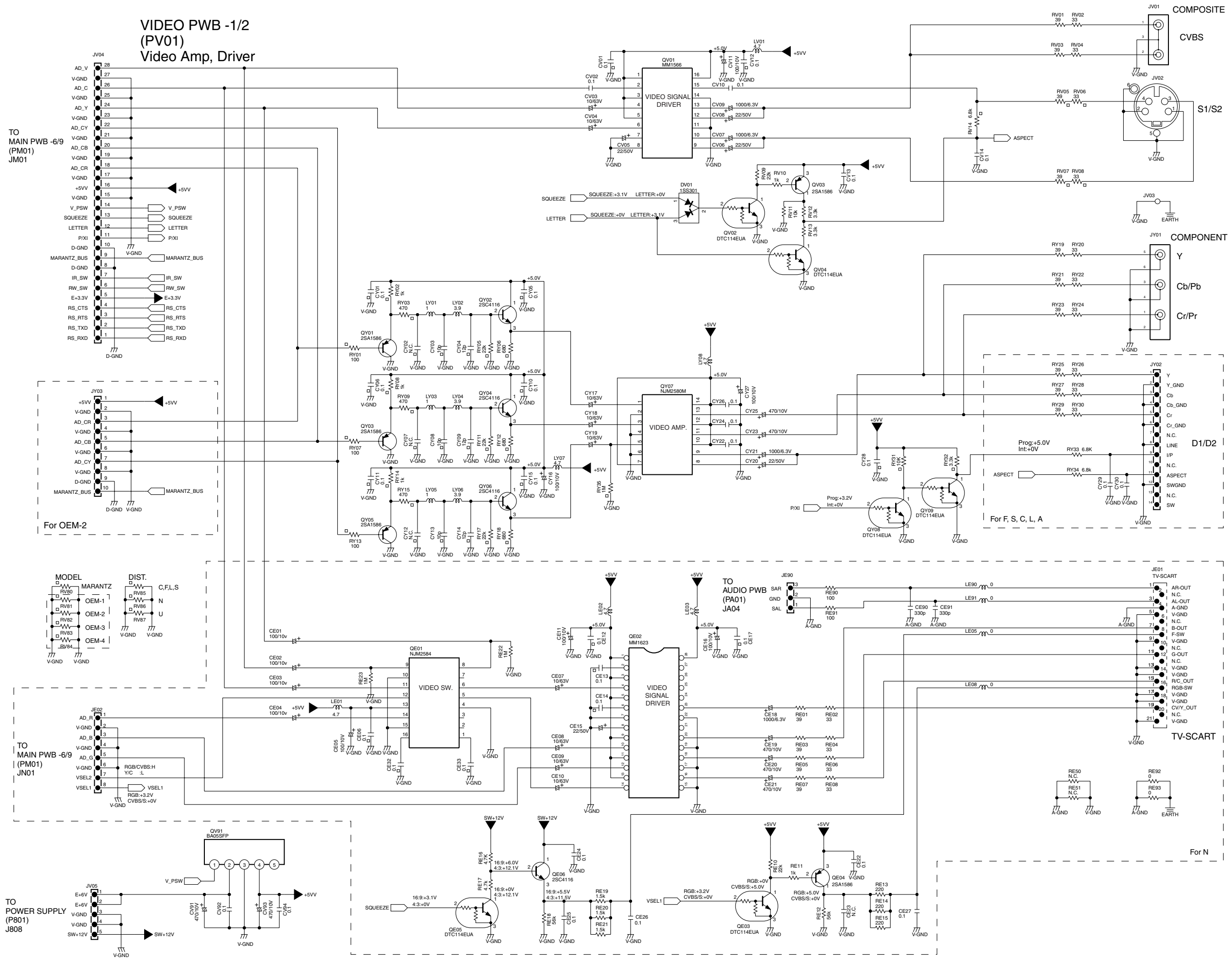
FROM
MAIN PWB -2/9
(PM01)
J703

FROM
MAIN PWB-3/9
(PM01)
J702

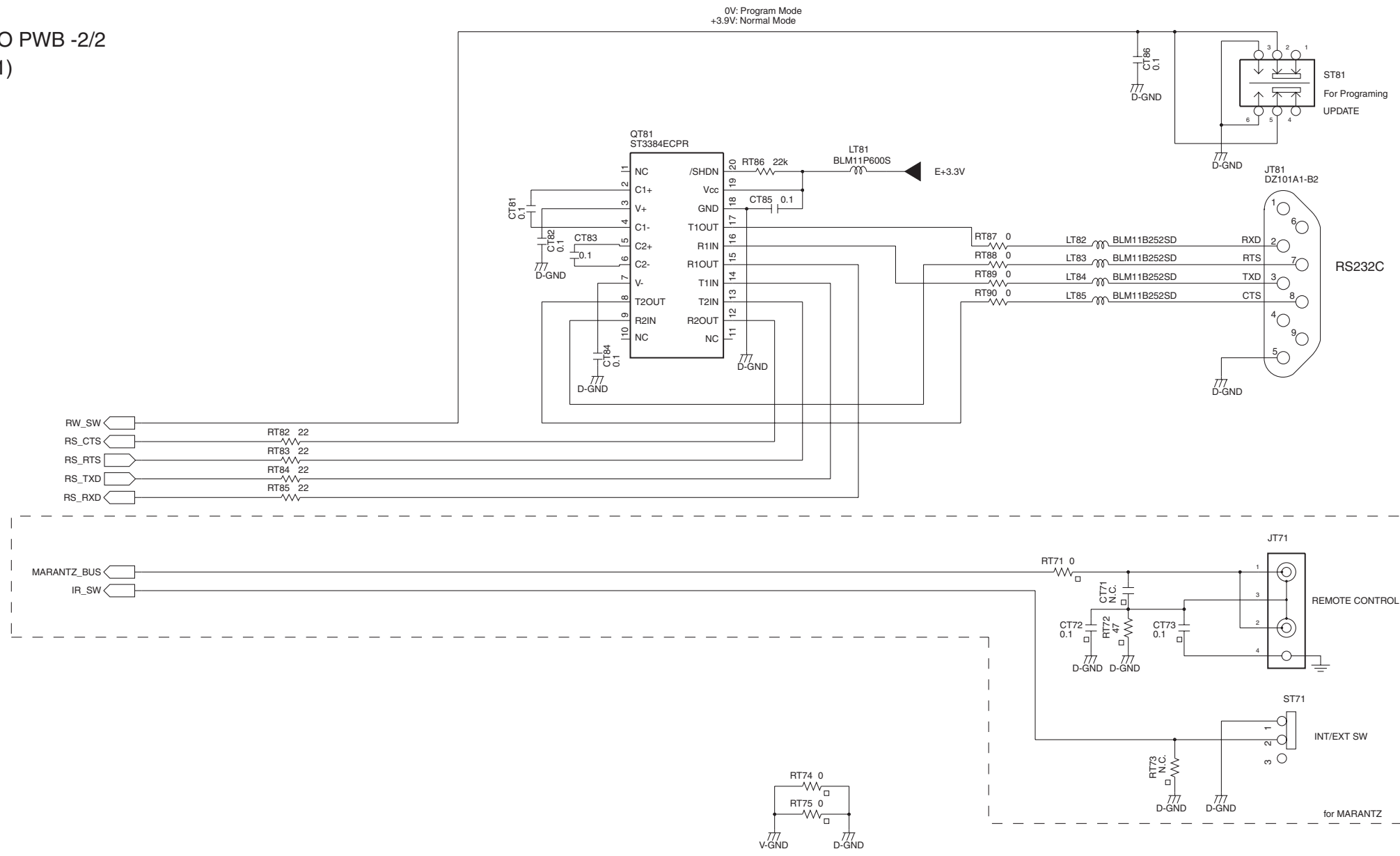
TO QI01

TO QI01

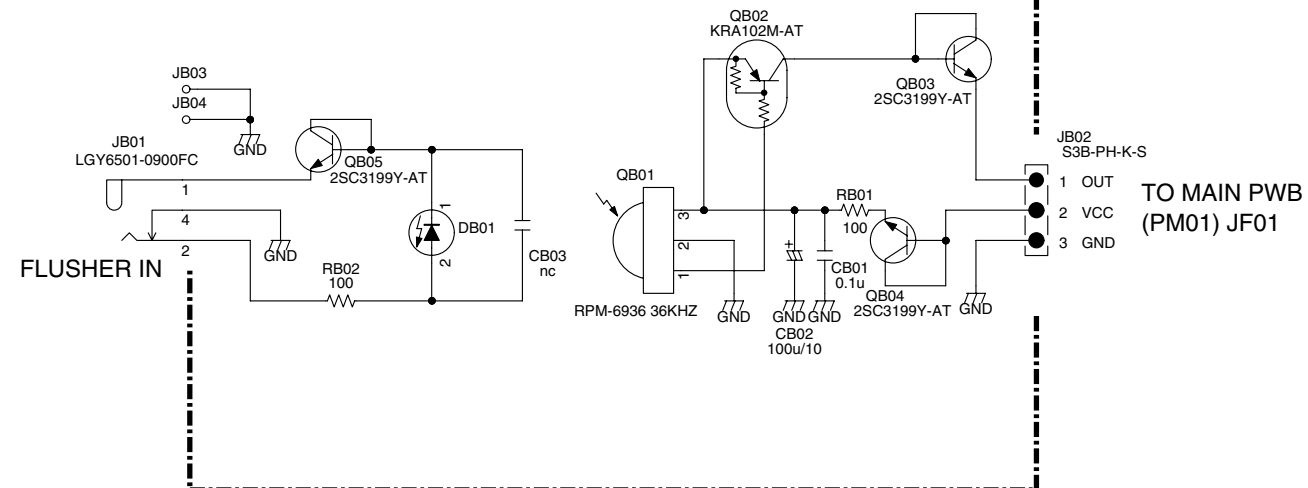
**VIDEO PWB -1/2
(PV01)
Video Amp, Driver**



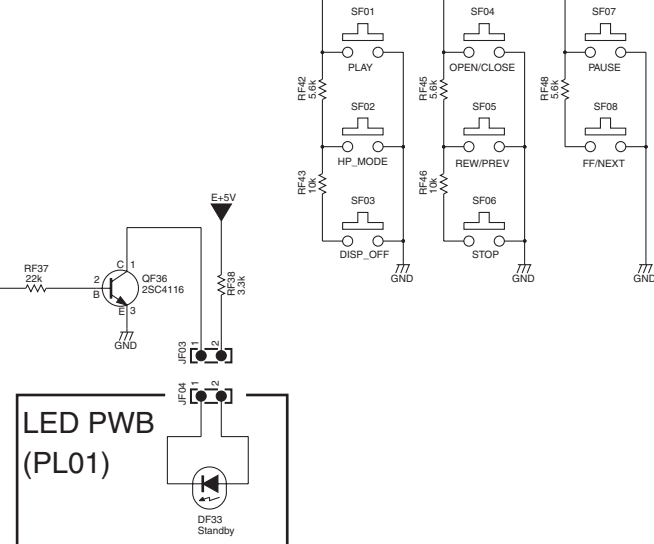
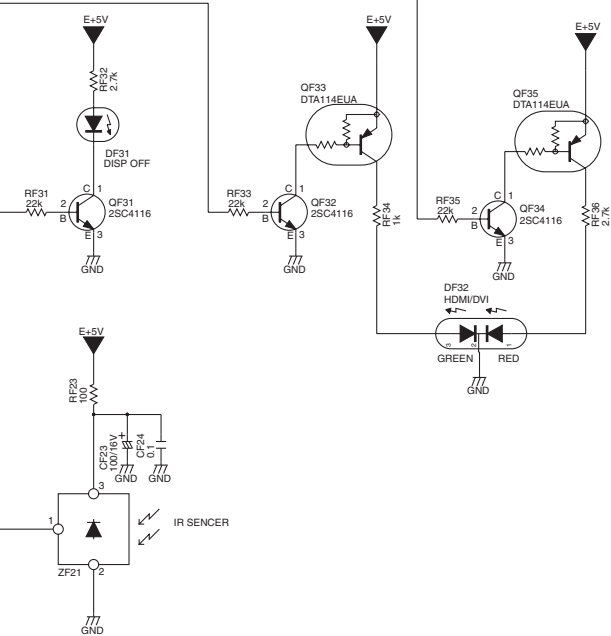
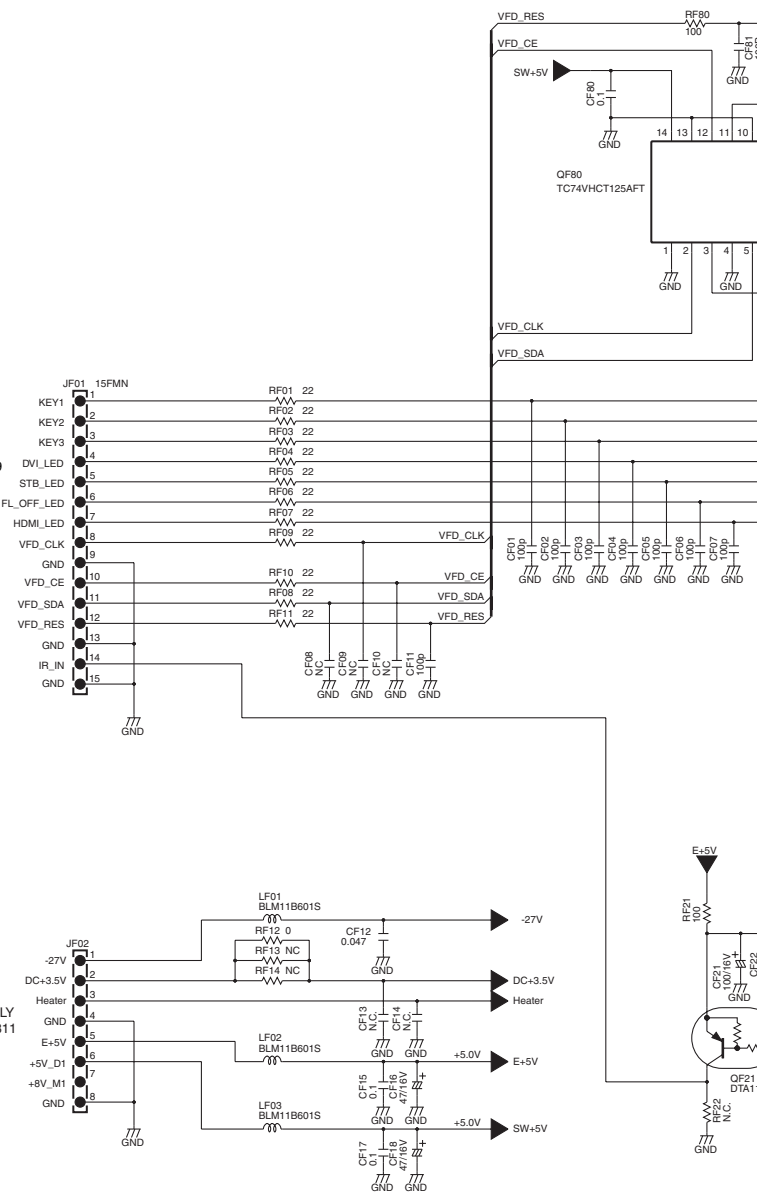
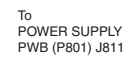
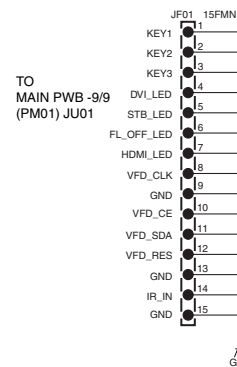
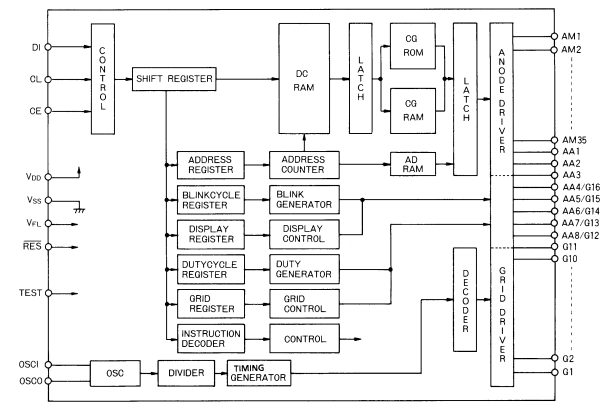
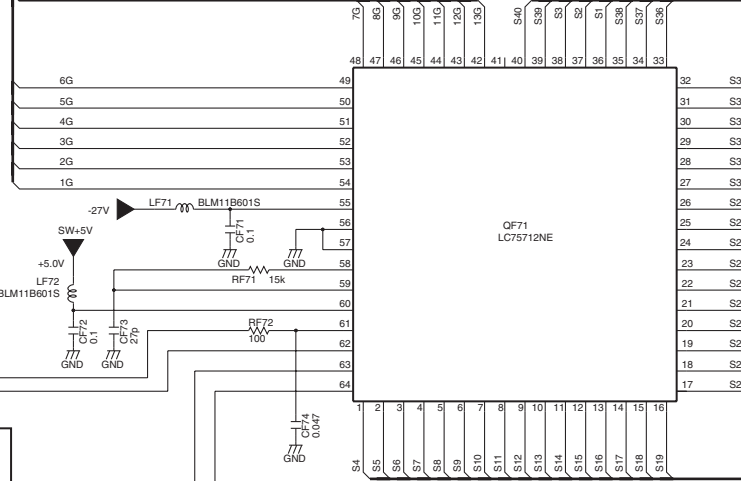
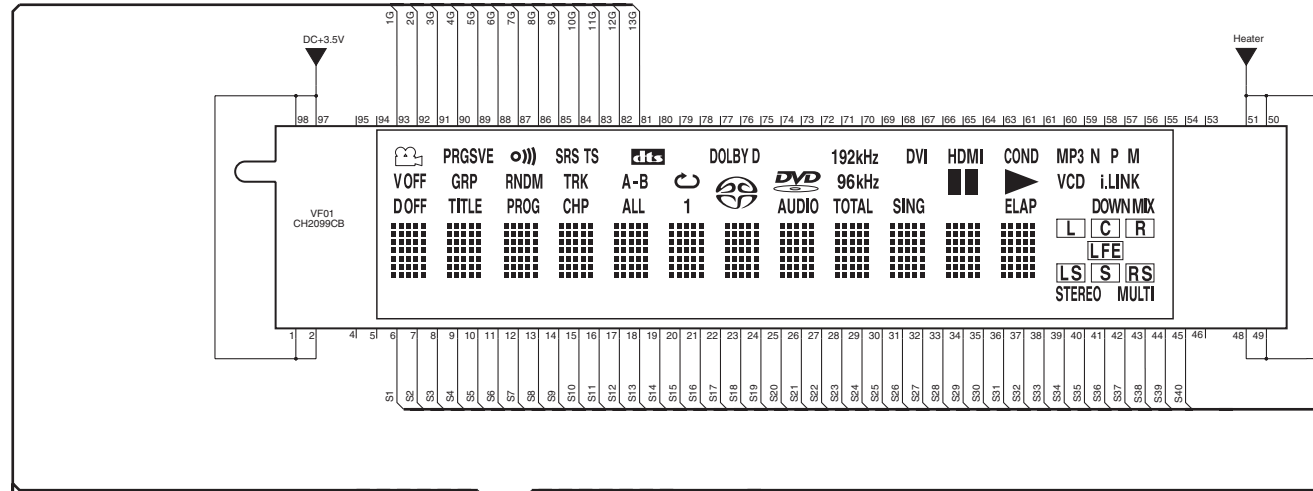
VIDEO PWB -2/2
(PV01)



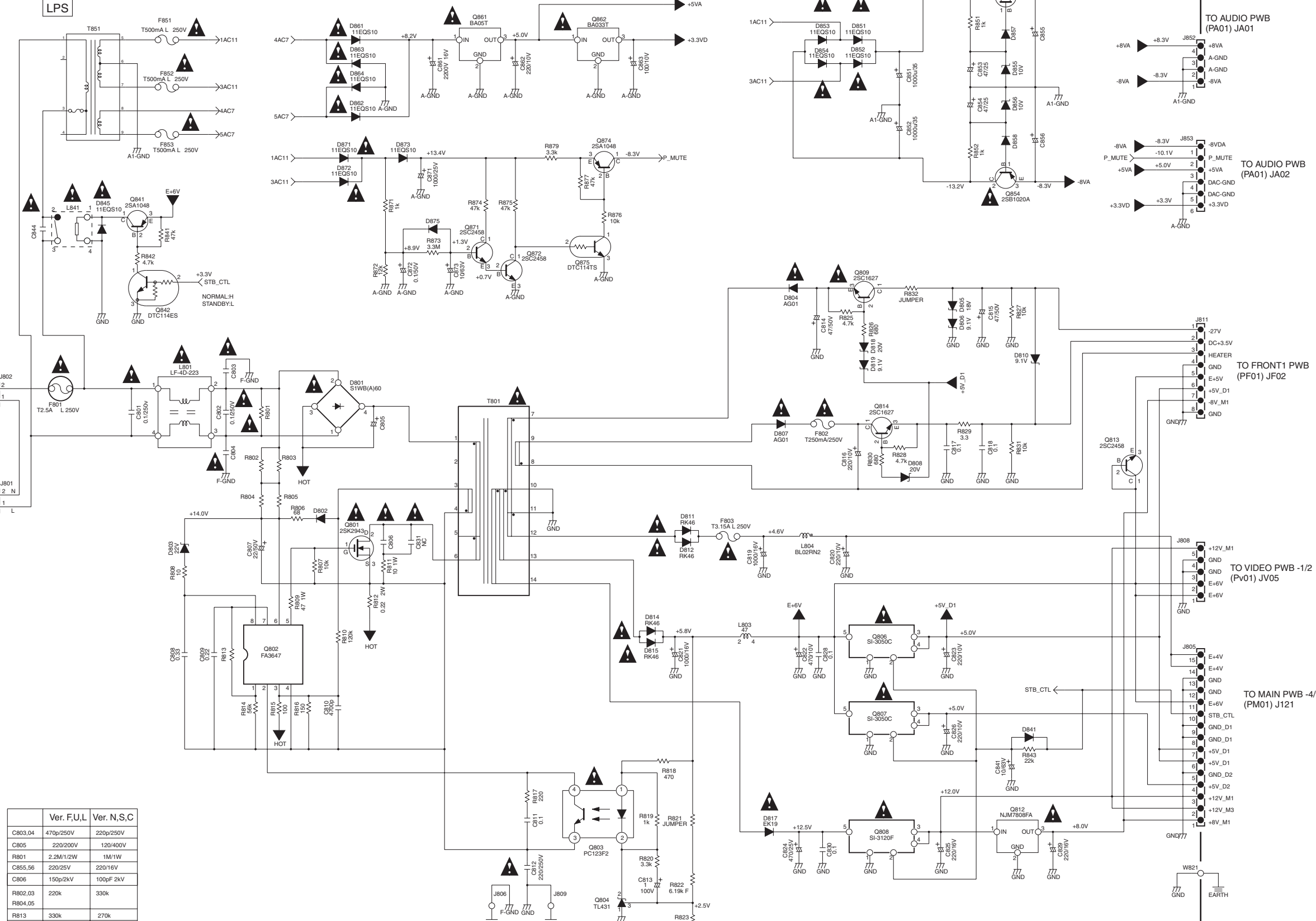
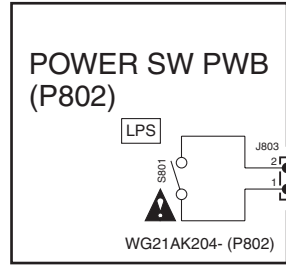
FLUSHER PWB
(PB01)



FRONT1 PWB
(PF01)
Display Control




POWER SUPPLY PWB (P801)

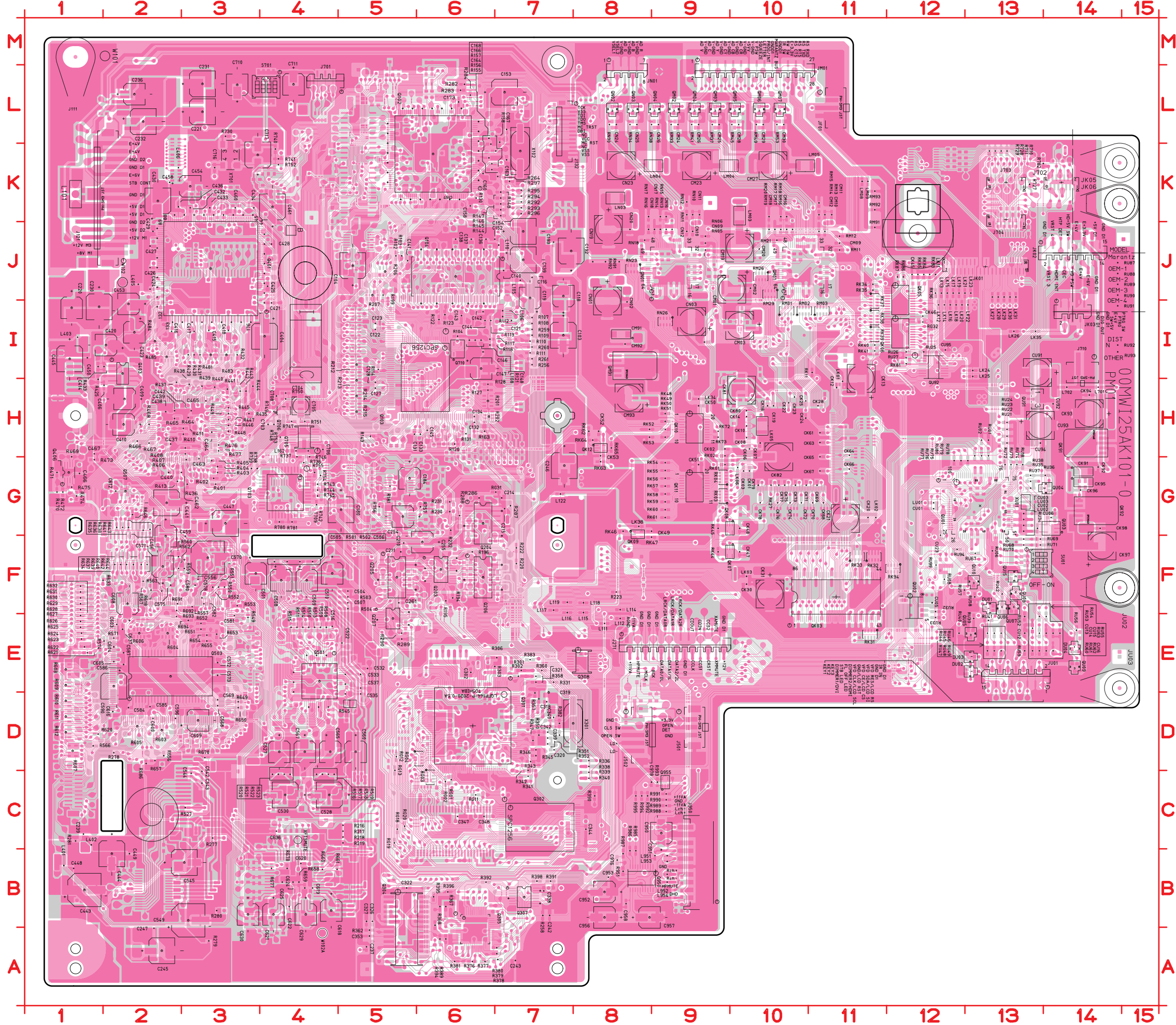


	Ver. F,U,L	Ver. N,S,C
C803.04	470p/250V	220p/250V
C805	220/200V	120/400V
R801	2.2M/1/2W	1M/1W
C855.56	220/25V	220/16V
C806	150p/2kV	100pF 2kV
R802.03	220k	330k
R804.05		
R813	330k	270k
C844	0.01uF AC250V	4700p AC250V

F:Japan
 U:USA,Canada
 L:Taiwan
 N:Europe
 S:Singapore
 C:Korea

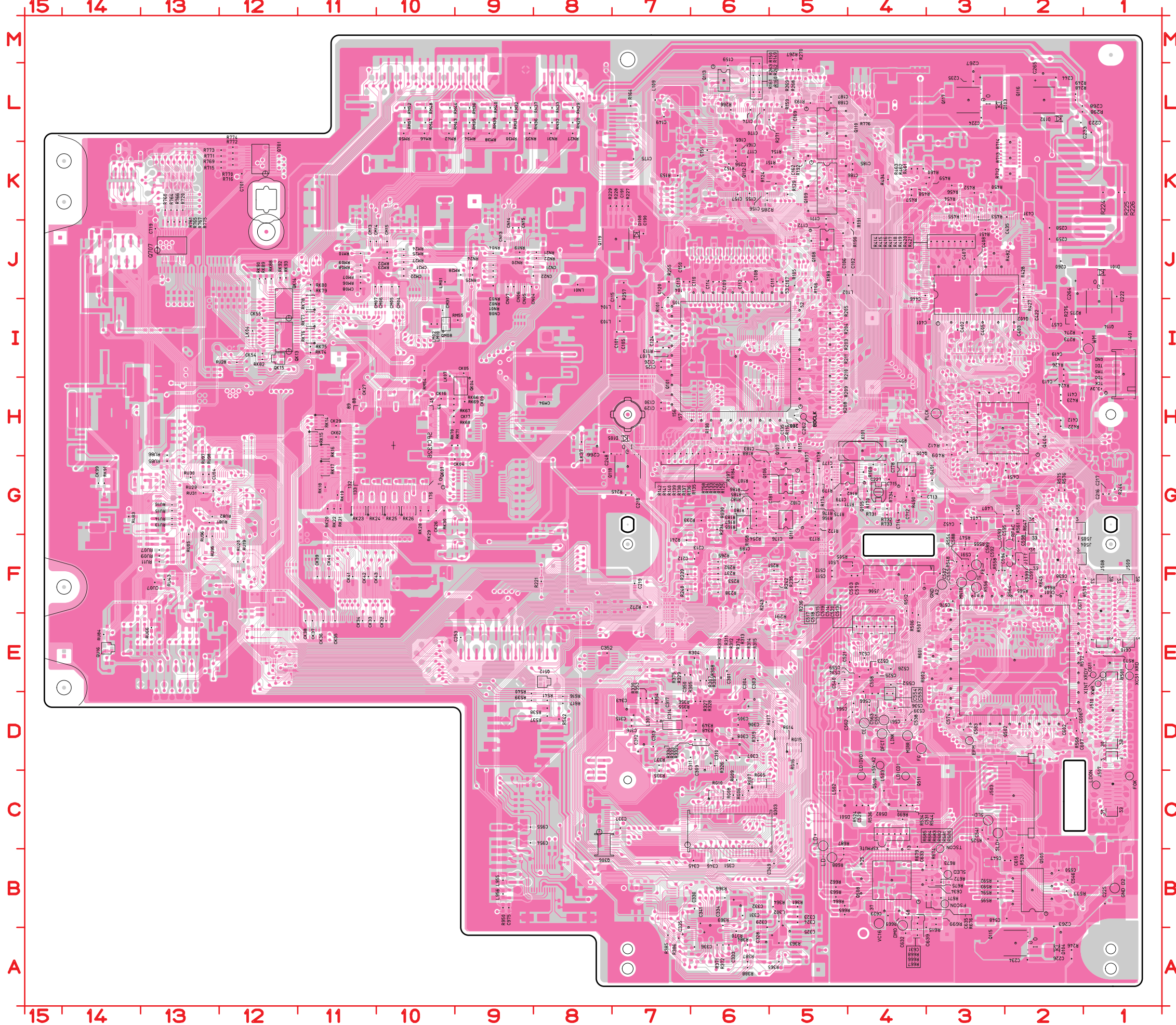
NOTE ON SAFETY:
 The parts marked with  are important parts on the safety. Please use the parts having the designated parts number without fail.

V: PLAY



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。

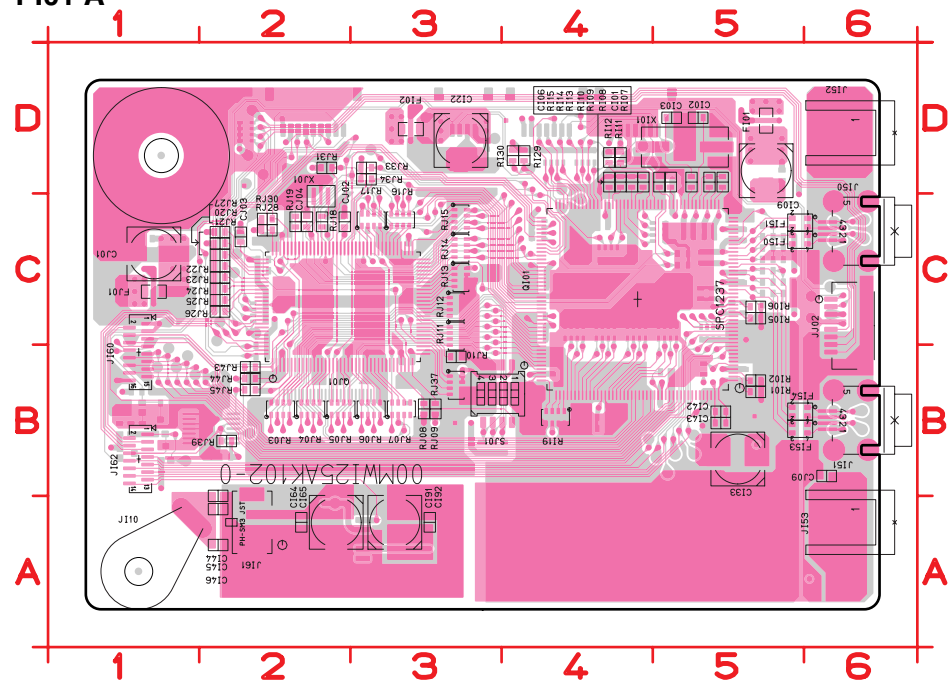
Lead-free Solder
 When soldering, use the Lead-free Solder
 (Sn-Ag-Cu).



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。

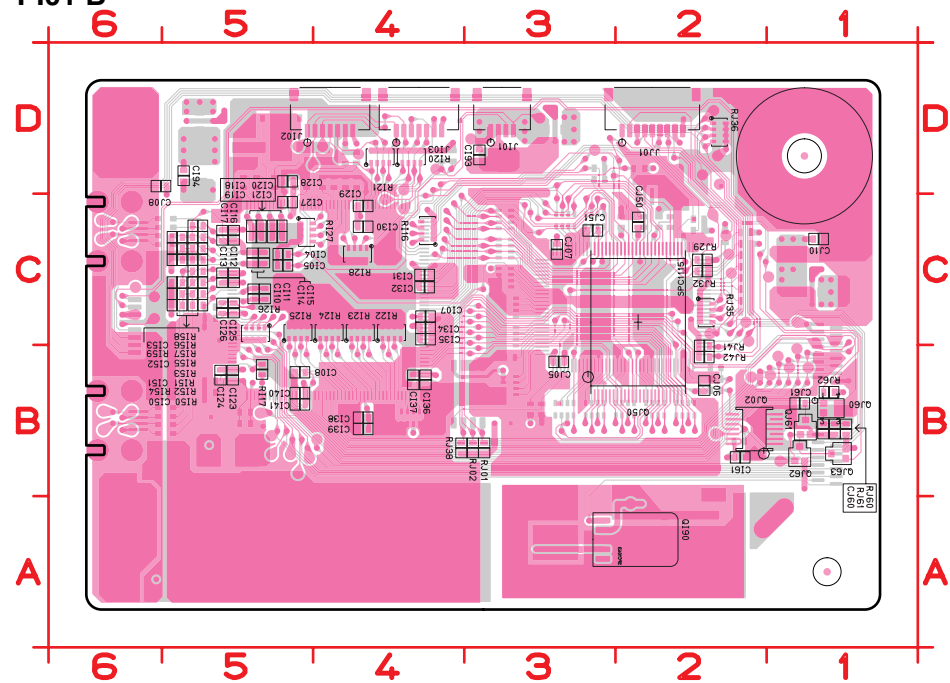
Lead-free Solder
When soldering, use the Lead-free Solder
(Sn-Ag-Cu).

PI01 A



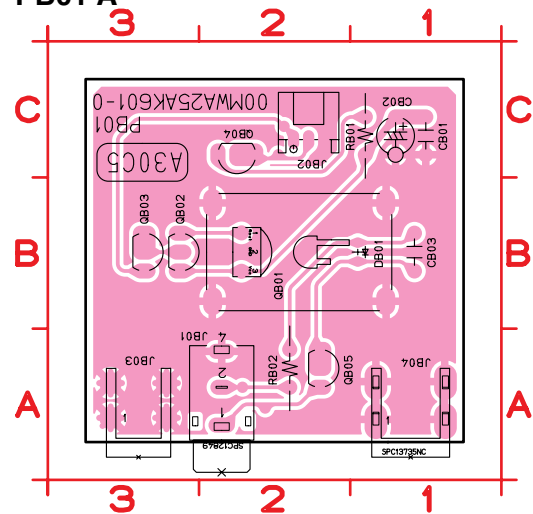
CI01	D5	CJ02	C2	J161	A2	RI15	D4	RJ16	C3	RJ37	B3
CI02	D5	CJ03	C2	J162	B1	RI19	B4	RJ17	C3	RJ39	B2
CI03	D5	CJ04	C2	JJ02	C6	RI29	D4	RJ18	C2	RJ43	B2
CI06	D4	CJ09	B6	Q101	C4	RI30	D4	RJ19	C2	RJ44	B2
CI09	D5	FI01	D5	QJ01	C2	RJ03	B2	RJ20	C2	RJ45	B2
CI22	D3	FI02	D3	RI01	B5	RJ04	B2	RJ21	C2	SJ01	B3
CI33	B5	FI50	C5	RI02	B5	RJ05	B2	RJ22	C2	XI01	D5
CI42	B5	FI51	C5	RI05	C5	RJ06	B3	RJ23	C2	XJ01	C2
CI43	B5	FI53	B5	RI06	C5	RJ07	B3	RJ24	C2		
CI44	B2	FI54	B5	RI07	D5	RJ08	B3	RJ25	C2		
CI45	A2	FJ01	C1	RI08	D5	RJ09	B3	RJ26	C2		
CI46	A2	J110	A1	RI09	D5	RJ10	B3	RJ27	C2		
CI64	A2	J150	C6	RI10	D5	RJ11	C3	RJ28	C2		
CI65	A2	J151	B6	RI11	D4	RJ12	C3	RJ30	C2		
CI91	A3	J152	D6	RI12	D4	RJ13	C3	RJ31	D2		
CI92	A3	J153	A6	RI13	D4	RJ14	C3	RJ33	D3		
CJ01	C1	J160	B1	RI14	D4	RJ15	C3	RJ34	D3		

PI01 B



CI04	C5	CI24	B5	CI50	C5	J102	D4	RI25	C5	RJ32	C2
CI05	C5	CI25	C5	CI51	C5	J103	D4	RI26	C5	RJ35	C2
CI07	C4	CI26	C5	CI52	C5	JJ01	D2	RI27	C5	RJ36	D2
CI08	B5	CI27	C5	CI53	C5	Q190	A2	RI28	C4	RJ38	B4
CI10	C5	CI28	D5	CI61	B2	QJ02	B2	RI50	C5	RJ41	B2
CI11	C5	CI29	C4	CI93	D3	QJ50	C2	RI51	C5	RJ42	B2
CI12	C5	CI30	C4	CI94	D5	QJ60	B1	RI52	C5	RJ60	B1
CI13	C5	CI31	C4	CJ05	B3	QJ61	B1	RI53	C5	RJ61	B1
CI14	C5	CI32	C4	CJ06	B2	QJ62	B1	RI54	C5	RJ62	B1
CI15	C5	CI34	C4	CJ07	C3	QJ63	B1	RI55	C5		
CI16	C5	CI35	C4	CJ08	D6	RI16	C4	RI56	C5		
CI17	C5	CI36	B4	CJ10	C1	RI17	B5	RI57	C5		
CI18	C5	CI37	B4	CJ50	C2	RI20	D4	RI58	C5		
CI19	C5	CI38	B4	CJ51	C3	RI21	D4	RI59	C5		
CI20	C5	CI39	B4	CJ60	B1	RI22	C4	RJ01	B3		
CI21	C5	CI40	B5	CJ61	B1	RI23	C4	RJ02	B3		
CI23	B5	CI41	B5	J101	D3	RI24	C4	RJ29	C2		

PB01 A



CB01	C1
CB02	C1
CB03	B1
DB01	B1
JB01	A2
JB02	C2
JB03	A3
JB04	A1
QB01	B2
QB02	B3
QB03	B3
QB04	C2
QB05	A2
RB01	C1
RB02	A2

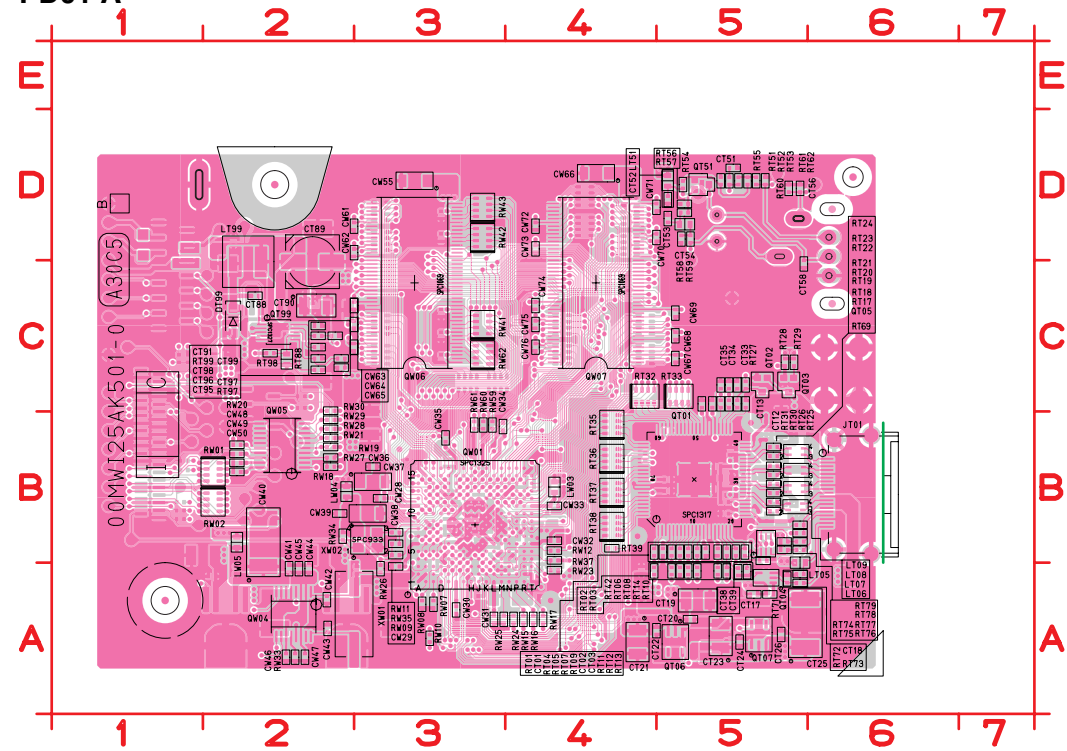
鉛フリー半田

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

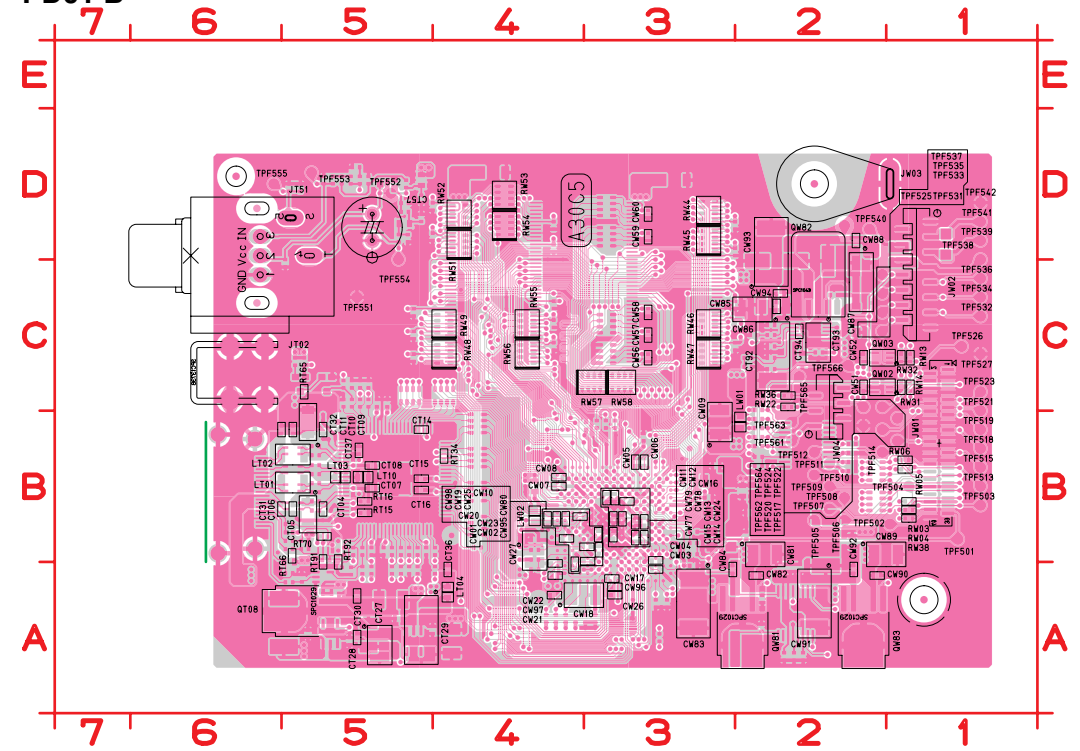
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PD01 A



CT01	B5	CT97	C2	CW67	C5	QT05	B5	RT26	C5	RT77	B5	RW37	B4
CT02	B5	CT98	C2	CW68	C5	QT06	A5	RT27	C5	RT78	B5	RW41	C3
CT03	B5	CT99	C2	CW69	C5	QT07	A5	RT28	C5	RT79	B5	RW42	D3
CT12	C5	CW28	B3	CW70	D5	QT51	D5	RT29	C5	RT88	C2	RW43	D3
CT13	C5	CW29	A3	CW71	D5	QT99	C2	RT30	C5	RT97	C2	RW59	B3
CT17	A5	CW30	A3	CW72	D4	QW01	B3	RT31	C5	RT98	C2	RW60	B3
CT18	A5	CW31	A3	CW73	D4	QW04	A2	RT32	C4	RT99	C2	RW61	B3
CT19	A5	CW32	B4	CW74	C4	QW05	B2	RT33	C5	RW01	B2	RW62	C3
CT20	A5	CW33	B4	CW75	C4	QW06	C3	RT35	B4	RW02	B2	XW01	A3
CT21	A4	CW34	B3	CW76	C4	QW07	C4	RT36	B4	RW07	A3	XW02	B3
CT22	A5	CW35	B3	DT99	C2	RT01	B4	RT37	B4	RW08	A3		
CT23	A5	CW36	B3	JT01	B6	RT02	A4	RT38	B4	RW09	B3		
CT24	A5	CW37	B3	JT02	C6	RT03	A5	RT39	B4	RW10	A3		
CT25	A5	CW38	B3	JT51	D6	RT04	B5	RT42	A5	RW11	B3		
CT26	A5	CW39	B2	JW03	D2	RT05	B5	RT51	D5	RW12	B4		
CT33	C5	CW40	B2	LT05	B5	RT06	A5	RT52	D5	RW15	A4		
CT34	C5	CW41	A2	LT06	B5	RT07	B5	RT53	D5	RW16	A4		
CT35	C5	CW42	A2	LT07	B5	RT08	A5	RT54	D5	RW17	A4		
CT38	A5	CW43	A2	LT08	B5	RT09	B5	RT55	D5	RW18	B2		
CT39	A5	CW44	A2	LT09	B5	RT10	A5	RT56	D5	RW19	B2		
CT51	D5	CW45	A2	LT51	D5	RT11	B5	RT57	D5	RW20	B2		
CT52	D5	CW46	A2	LT99	C2	RT12	B5	RT58	D5	RW21	B2		
CT53	D5	CW47	A2	LW03	B4	RT13	B5	RT59	D5	RW23	A4		
CT54	D5	CW48	B2	LW04	B2	RT14	A5	RT60	D5	RW24	A4		
CT56	D5	CW49	B2	LW05	B2	RT17	B5	RT61	D5	RW25	A3		
CT57	D5	CW50	B2	N-MA	B4	RT18	B5	RT62	D5	RW26	A3		
CT58	C5	CW55	D3	N-MA	B5	RT19	B5	RT69	B5	RW27	B2		
CT88	C2	CW61	D3	N-MA	A4	RT20	B5	RT71	A5	RW28	B2		
CT89	C2	CW62	D3	N-MA	B3	RT21	B5	RT72	A5	RW29	B2		
CT90	C2	CW63	C3	QT01	B5	RT22	B5	RT73	A5	RW30	C2		
CT91	C2	CW64	C3	QT02	C5	RT23	B5	RT74	B5	RW33	A2		
CT95	C2	CW65	C3	QT03	C5	RT24	B5	RT75	B5	RW34	B2		
CT96	C2	CW66	D4	QT04	A5	RT25	C5	RT76	B5	RW35	B3		

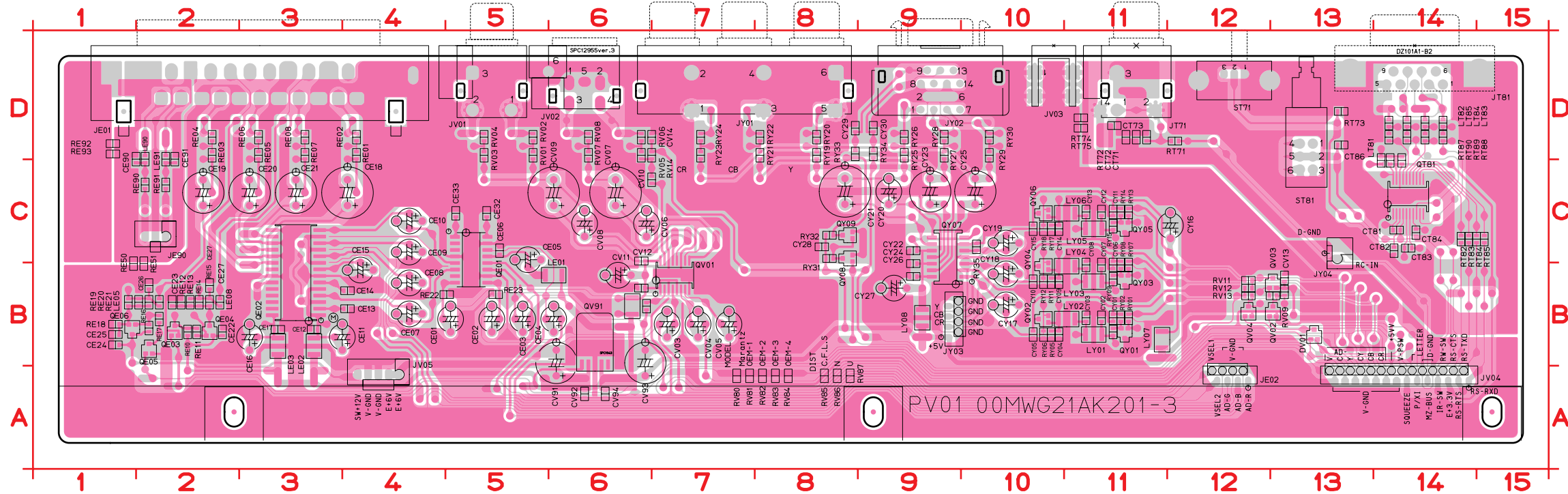
PD01 B



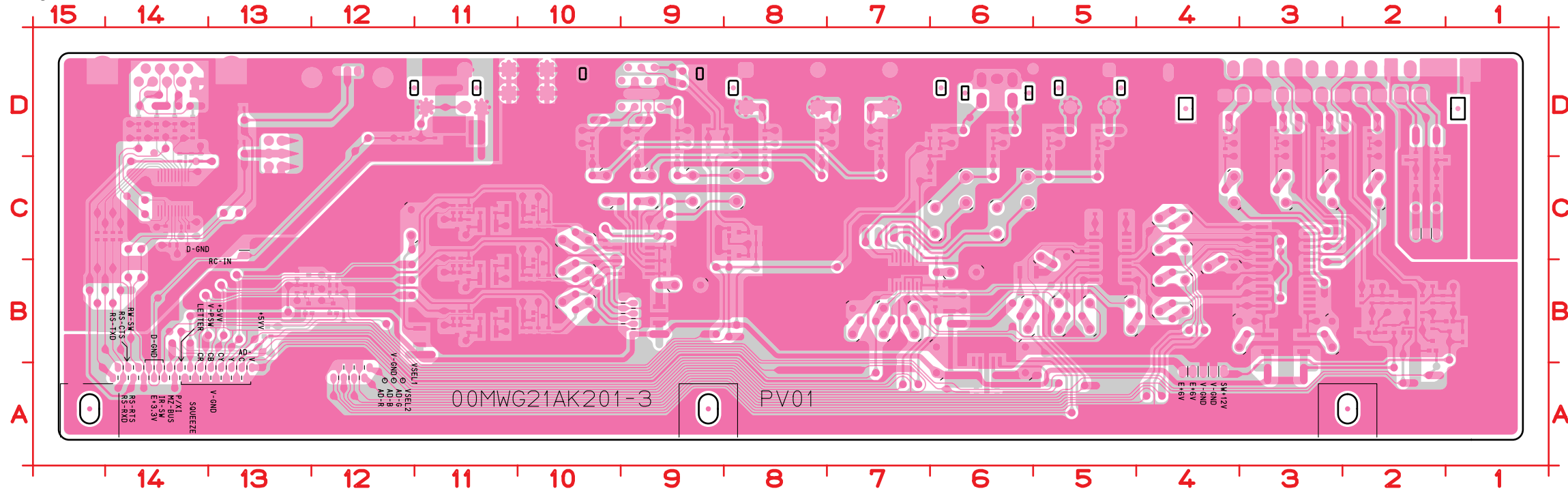
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CT05	B5	CW13	B3	CW88	D2	RT91	B5
CT06	B5	CW14	B3	CW89	B2	RT92	B5
CT07	B5	CW15	B3	CW90	A2	RW03	B1
CT08	B5	CW16	B3	CW91	A2	RW04	B1
CT09	B5	CW17	A3	CW92	A2	RW05	B1
CT10	B5	CW18	A4	CW93	D2	RW06	B1
CT11	B5	CW19	B4	CW94	C2	RW13	C1
CT14	B5	CW20	B4	CW95	B3	RW14	C1
CT15	B5	CW21	A4	CW96	A3	RW22	C2
CT16	B5	CW22	A4	CW97	A4	RW31	C1
CT27	A5	CW23	B3	CW98	B4	RW32	C1
CT28	A5	CW24	B3	JW01	B1	RW36	C2
CT29	A5	CW25	B4	JW02	C1	RW38	B1
CT30	A5	CW26	A3	JW04	C2	RW44	D3
CT31	B6	CW27	B4	LT01	B5	RW45	D3
CT32	B6	CW51	C2	LT02	B5	RW46	C3
CT36	A4	CW52	C2	LT03	B5	RW47	C3
CT37	B5	CW56	C3	LT04	A4	RW48	C4
CT92	C2	CW57	C3	LT10	B5	RW49	C4
CT93	C2	CW58	C3	LW01	B2	RW51	D4
CT94	C2	CW59	D3	LW02	B4	RW52	D4
CW01	A4	CW60	D3	QT08	A5	RW53	D4
CW02	B3	CW77	B3	QW02	C2	RW54	D4
CW03	A3	CW78	B3	QW03	C2	RW55	C4
CW04	B3	CW79	B3	QW81	A2	RW56	C4
CW05	B3	CW80	B3	QW82	C2	RW57	C3
CW06	B3	CW81	B2	QW83	A2	RW58	C3
CW07	B4	CW82	A2	RT15	B5		
CW08	B4	CW83	A3	RT16	B5		
CW09	B3	CW84	A3	RT34	B4		
CW10	B4	CW85	C2	RT65	C5		
CW11	B3	CW86	C2	RT66	B5		

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).

PV01 A



PV01 B

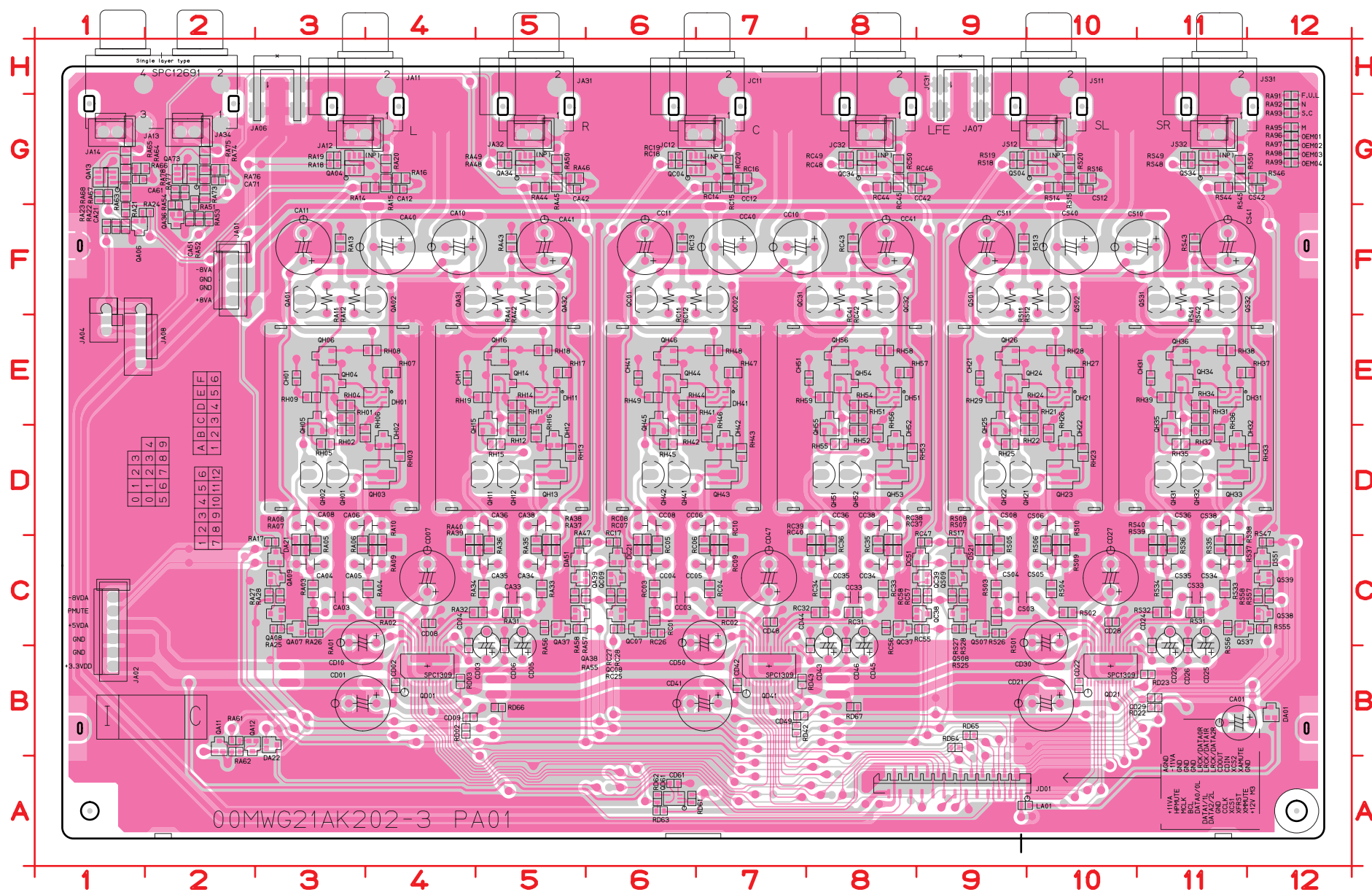


CE01	B5	CY25	C10	RE21	B2
CE02	B5	CY26	B9	RE22	B5
CE03	B5	CY27	B9	RE23	B5
CE04	B6	CY28	C8	RE50	B1
CE05	C5	CY29	D8	RE51	B2
CE06	C5	CY30	D9	RE90	C2
CE07	B4	DV01	B13	RE91	C2
CE08	B4	JE01	E3	RE92	D1
CE09	C4	JE02	A12	RE93	D1
CE10	C4	JE90	C2	RT71	D12
CE11	B4	JT71	E11	RT72	D11
CE12	B3	JT81	E14	RT73	D13
CE13	B4	JV01	E5	RT74	D11
CE14	B4	JV02	E6	RT75	D11
CE15	B4	JV03	E10	RT82	C14
CE16	B3	JV04	A14	RT83	C14
CE17	B3	JV05	A4	RT84	C15
CE18	C4	JY01	E7	RT85	C15
CE19	C2	JY02	E9	RT86	C14
CE20	C3	JY03	B9	RT87	D14
CE21	C3	JY04	C13	RT88	D14
CE22	B2	LE01	B6	RT89	D14
CE23	B2	LE02	B3	RT90	D14
CE24	B1	LE03	B3	RV01	D5
CE25	B1	LE05	B2	RV02	D5
CE26	B2	LE08	B2	RV03	D5
CE27	B2	LE90	D2	RV04	D5
CE32	C5	LE91	D2	RV05	D6
CE33	C5	LT81	C14	RV06	D6
CE90	D2	LT82	D14	RV07	D6
CE91	D2	LT83	D14	RV08	D6
CT71	D11	LT84	D14	RV09	B13
CT72	D11	LT85	D14	RV10	B13
CT73	D11	LV01	B6	RV11	B12
CT81	C14	LY01	B11	RV12	B12
CT82	C14	LY02	B11	RV13	B12
CT83	C14	LY03	B11	RV14	D7
CT84	C14	LY04	B11	RV80	A7
CT85	C14	LY05	C11	RV81	A7
CT86	D13	LY06	C11	RV82	A8
CV01	B6	LY07	B11	RV83	A8
CV02	B6	LY08	B9	RV84	A8
CV03	B7	QE01	C5	RV85	A8
CV04	B7	QE02	B3	RV86	A8
CV05	B7	QE03	B2	RV87	A8
CV06	C6	QE04	B2	RY01	B11
CV07	C6	QE05	B2	RY02	B11
CV08	C6	QE06	B1	RY03	B11
CV09	C6	QT81	C14	RY05	B10
CV10	C7	QV01	B7	RY06	B10
CV11	B6	QV02	B13	RY07	B11
CV12	C6	QV03	B13	RY08	B11
CV13	B13	QV04	B12	RY09	B11
CV14	D7	QV91	B6	RY11	B10
CV91	A6	QY01	B11	RY12	B10
CV92	A6	QY02	B10	RY13	C11
CV93	A6	QY03	B11	RY14	C11
CV94	A6	QY04	B10	RY15	C11
CY01	B11	QY05	C11	RY17	C10
CY02	B11	QY06	C10	RY18	C10
CY03	B11	QY07	C9	RY19	D8
CY04	B10	QY08	C8	RY20	D8
CY05	B10	QY09	C8	RY21	D8
CY06	B11	RE01	D4	RY22	D8
CY07	B11	RE02	D4	RY23	D7
CY08	B11	RE03	D2	RY24	D7
CY09	B10	RE04	D2	RY25	D9
CY10	B10	RE05	D3	RY26	D9
CY11	C11	RE06	D3	RY27	D9
CY12	C11	RE07	D3	RY28	D9
CY13	C11	RE08	D3	RY29	D10
CY14	C10	RE10	B2	RY30	D10
CY15	C10	RE11	B2	RY31	C8
CY16	C12	RE12	B2	RY32	C8
CY17	B10	RE13	B2	RY33	D8
CY18	B10	RE14	B2	RY34	D9
CY19	B10	RE15	B2	RY35	C10
CY20	C9	RE16	B2	ST71	D12
CY21	C8	RE17	B2	ST81	D13
CY22	C9	RE18	B1		
CY23	C9	RE19	B1		
CY24	B9	RE20	B2		

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).

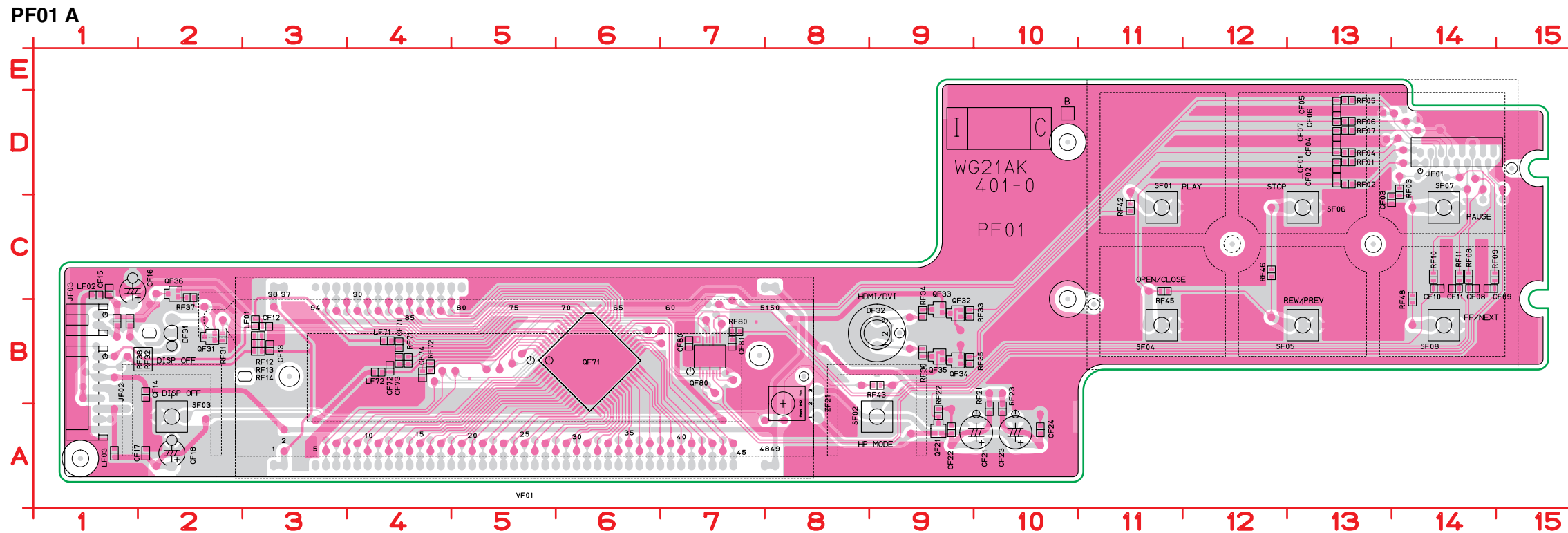
PA01 A



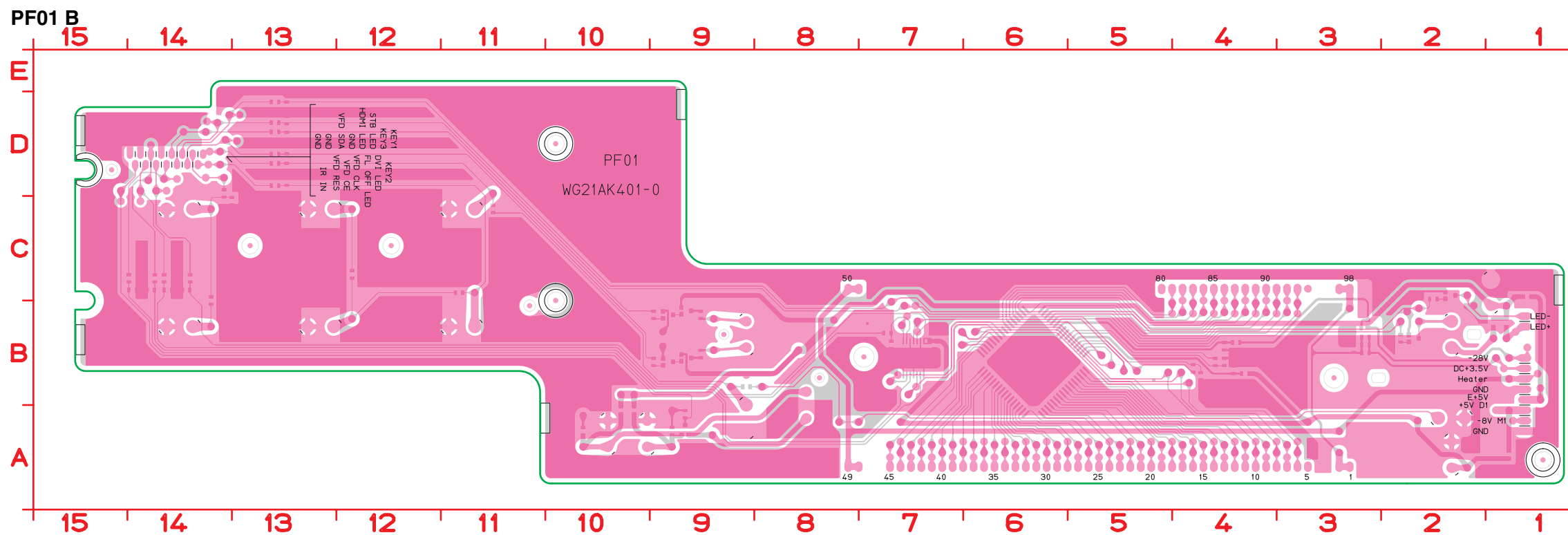
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CA03	C3	CS08	D9	QC08	C6	RA18	G3	RC17	C6	RH36	D11
CA04	C3	CS10	F11	QC09	C6	RA19	G3	RC18	G6	RH37	E11
CA05	C3	CS11	F9	QC31	F8	RA20	G4	RC19	G6	RH38	E11
CA06	D4	CS12	G10	QC32	F8	RA21	F1	RC20	G7	RH39	E11
CA08	D3	CS33	C11	QC34	G8	RA22	F1	RC25	C6	RH41	E6
CA10	F4	CS34	C11	QC37	C8	RA23	F1	RC26	C6	RH42	D6
CA11	F3	CS35	C11	QC38	C9	RA24	F2	RC27	C6	RH43	D7
CA12	G4	CS36	D11	QC39	C9	RA25	C3	RC28	C6	RH44	E6
CA21	F1	CS38	D11	QD01	B4	RA26	C3	RC31	C8	RH45	D6
CA33	C5	CS40	F10	QD21	B10	RA27	C3	RC32	C8	RH46	D7
CA34	C5	CS41	F11	QD41	B7	RA28	C3	RC33	C8	RH47	E7
CA35	C5	CS42	G12	QD61	A6	RA31	C5	RC34	C8	RH48	E7
CA36	D4	DA01	B12	QH01	D3	RA32	C5	RC35	C8	RH49	E6
CA38	D5	DA21	C3	QH02	D3	RA33	C5	RC36	C8	RH51	E8
CA40	F4	DA22	B3	QH03	D4	RA34	C5	RC37	C8	RH52	D8
CA41	F5	DA51	C5	QH04	E3	RA35	C5	RC38	C8	RH53	D8
CA42	G5	DC21	C6	QH05	E3	RA36	C5	RC39	C8	RH54	E8
CA51	F2	DC51	C9	QH06	E3	RA37	C5	RC40	C8	RH55	D8
CA61	G1	DH01	E4	QH11	D5	RA38	C5	RC41	F8	RH56	D8
CA71	G2	DH02	D4	QH12	D5	RA39	C4	RC42	F8	RH57	E8
CC03	C6	DH11	E5	QH13	D5	RA40	C4	RC43	F8	RH58	E8
CC04	C6	DH12	D5	QH14	E5	RA41	F5	RC44	G8	RH59	E8
CC05	C7	DH21	E10	QH15	E5	RA42	F5	RC45	G8	RS01	C9
CC06	D7	DH22	D10	QH16	E5	RA43	F5	RC46	G9	RS02	C10
CC08	D6	DH31	E11	QH21	D9	RA44	G5	RC47	C9	RS03	C9
CC10	F8	DH32	D11	QH22	D9	RA45	G5	RC48	G8	RS04	C10
CC11	F6	DH41	E7	QH23	D10	RA46	G5	RC49	G8	RS05	C9
CC12	G7	DH42	D7	QH24	E9	RA47	C5	RC50	G8	RS06	C10
CC33	C8	DH51	E8	QH25	E9	RA48	G5	RC55	C9	RS07	C9
CC34	C8	DH52	D8	QH26	E9	RA49	G5	RC56	C8	RS08	C9
CC35	C8	DS21	C9	QH31	D11	RA50	G5	RC57	C9	RS09	C10
CC36	D8	DS51	C12	QH32	D11	RA51	G2	RC58	C9	RS10	C10
CC38	D8	JA01	F2	QH33	D11	RA52	F2	RD02	B4	RS11	F9
CC40	F7	JA02	C1	QH34	E11	RA53	F2	RD03	B4	RS12	F10
CC41	F8	JA04	F1	QH35	E11	RA54	F2	RD22	B11	RS13	F9
CC42	G8	JA06	H3	QH36	E11	RA55	C5	RD23	B11	RS14	G10
CD01	B4	JA07	H9	QH41	D6	RA56	C5	RD42	B7	RS15	G10
CD02	B4	JA08	F1	QH42	D6	RA57	C6	RD43	B7	RS16	G10
CD03	B5	JA11	H4	QH43	D7	RA58	C5	RD61	A6	RS17	C9
CD04	C4	JA12	G4	QH44	E6	RA61	B2	RD62	A6	RS18	G9
CD05	B5	JA13	H2	QH45	E6	RA62	B2	RD63	A6	RS19	G9
CD06	C5	JA14	G1	QH46	E6	RA63	G1	RD64	B9	RS20	G10
CD07	C4	JA31	H5	QH51	D8	RA64	G1	RD65	B9	RS25	C9
CD08	C4	JA32	G5	QH52	D8	RA65	G1	RD66	B5	RS26	C9
CD09	B4	JA34	G2	QH53	D8	RA66	G1	RD67	B8	RS27	C9
CD10	C4	JC11	H7	QH54	E8	RA67	G1	RH01	E3	RS28	C9
CD21	B10	JC12	G7	QH55	E8	RA68	G1	RH02	D3	RS31	C11
CD22	B10	JC31	H8	QH56	E8	RA73	G2	RH03	D4	RS32	C11
CD23	B11	JC32	G8	QS01	F9	RA74	G2	RH04	D3	RS33	C11
CD24	C11	JD01	A9	QS02	F10	RA75	G2	RH05	D3	RS34	C11
CD25	B11	JS11	H10	QS04	G10	RA76	G2	RH06	D4	RS35	C11
CD26	C11	JS12	G10	QS07	C9	RA77	G2	RH07	E4	RS36	C11
CD27	C10	JS31	H11	QS08	C9	RA78	G2	RH08	E4	RS37	C11
CD28	C10	JS32	G11	QS09	C9	RA91	G12	RH09	E3	RS38	C11
CD29	B11	LA01	A9	QS31	F11	RA92	G12	RH11	E5	RS39	C11
CD30	C10	QA01	F3	QS32	F11	RA93	G12	RH12	D5	RS40	C11
CD41	B7	QA02	F4	QS34	G11	RA95	G12	RH13	D5	RS41	F11
CD42	B7	QA04	G3	QS37	C11	RA96	G12	RH14	E5	RS42	F11
CD43	B8	QA06	F1	QS38	C12	RA97	G12	RH15	D5	RS43	F11
CD44	C8	QA07	C3	QS39	C12	RA98	G12	RH16	D5	RS44	G11
CD45	B8	QA08	C3	RA01	C3	RA99	G12	RH17	E5	RS45	G11
CD46	C8	QA09	C3	RA02	C4	RC01	C6	RH18	E5	RS46	G12
CD47	C7	QA11	B2	RA03	C3	RC02	C7	RH19	E5	RS47	C12
CD48	C7	QA12	B2	RA04	C4	RC03	C6	RH21	E10	RS48	G11
CD49	B7	QA13	G1	RA05	C3	RC04	C7	RH22	D10	RS49	G11
CD50	C7	QA31	F4	RA06	C3	RC05	C6	RH23	D10	RS50	G11
CD61	A6	QA32	F5	RA07	C3	RC06	C7	RH24	E10	RS55	C12
CH01	E3	QA34	G5	RA08	C3	RC07	C6	RH25	D9	RS56	C11
CH11	E4	QA36	F2	RA09	C4	RC08	C6	RH26	D10	RS57	C12
CH21	E9	QA37	C5	RA10	C4	RC09	C7	RH27	E10	RS58	C12
CH31	E11	QA38	C5	RA11	F3	RC10	C7	RH28	E10		
CH41	E6	QA39	C5	RA12	F3	RC11	F6	RH29	E9		
CH51	E8	QA73	G2	RA13	F3	RC12	F7	RH31	E11		
CS03	C10	QC01	F6	RA14	G4	RC13	F6	RH32	D11		
CS04	C9	QC02	F7	RA15	G4	RC14	G7	RH33	D12		
CS05	C10	QC04	G7	RA16	G4	RC15	G7	RH34	E11		

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).



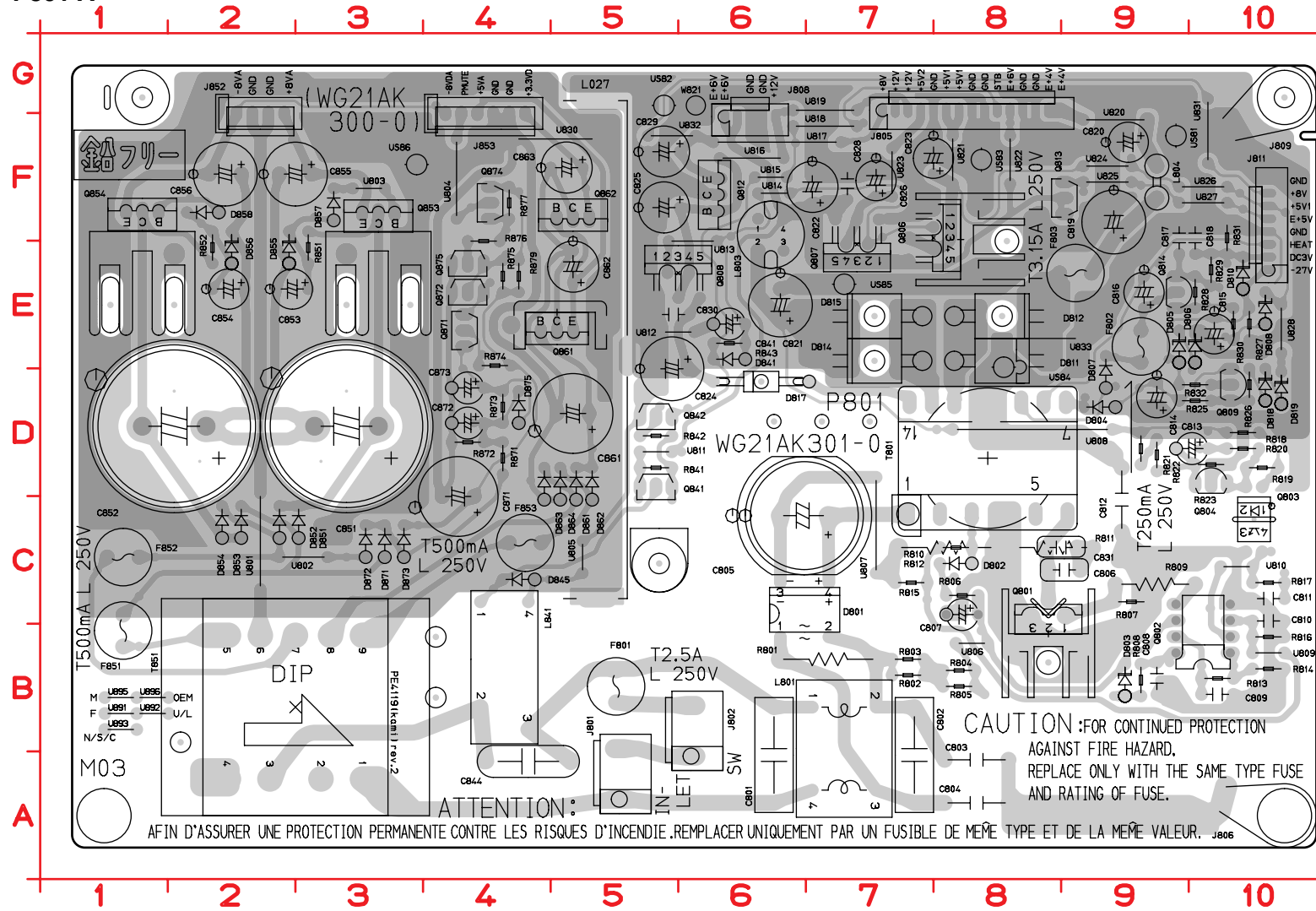
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CF02	D13	LF03	A1	RF36	B9
CF03	C14	LF71	B4	RF37	C2
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CF05	D13	QF21	A9	RF42	C11
CF06	D13	QF31	B2	RF43	B9
CF07	D13	QF32	B9	RF45	C12
CF08	C14	QF33	B9	RF46	C12
CF09	C14	QF34	B9	RF48	C14
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CF23	A10	RF08	C14	VF01	B5
CF24	A10	RF09	C14	ZF21	B8
CF71	B4	RF10	C14		
CF72	B4	RF11	C14		
CF73	B4	RF12	B3		
CF74	B4	RF13	B3		
CF80	B7	RF14	B3		
CF81	B7	RF21	A10		
DF31	B2	RF22	A9		
DF32	B9	RF23	A10		
JF01	D14	RF31	B2		
JF02	B1	RF32	B1		
JF03	B1	RF33	B9		
LF01	B3	RF34	B9		



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。

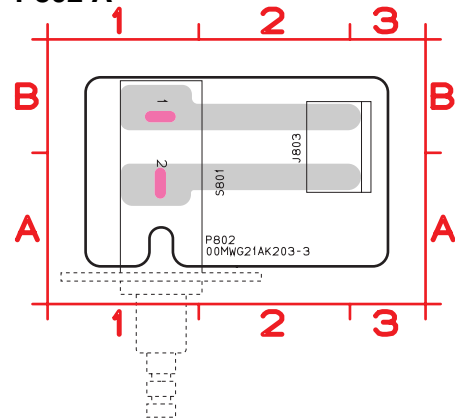
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P801 A



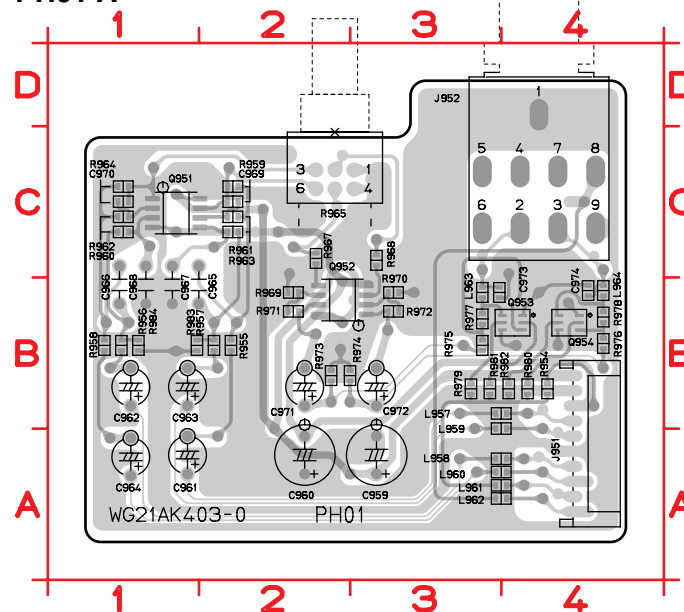
C801	A6	D805	E9	L841	C4	R828	E10	U830	F5
C802	B7	D806	E10	Q801	C8	R829	E10	U831	F10
C803	A8	D807	D9	Q802	B10	R830	E10	U832	F5
C804	A8	D808	E10	Q803	D10	R831	E10	U833	E8
C805	C7	D810	E10	Q804	D10	R832	D10	U891	B1
C806	C8	D811	E8	Q806	F8	R841	D5	U892	B1
C807	C8	D812	E8	Q807	E7	R842	D5	U893	B1
C808	B9	D814	E7	Q808	E6	R843	E6	U895	B1
C809	B10	D815	E7	Q809	D10	R851	E3	U896	B1
C810	C10	D817	D7	Q812	F6	R852	E2	US81	F9
C811	C10	D818	D10	Q813	F9	R871	D4	US82	G6
C812	C9	D819	D10	Q814	E9	R872	D4	US83	F8
C813	D10	D841	E6	Q841	D5	R873	D4	US84	E8
C814	D9	D845	C4	Q842	D5	R874	E4	US85	E7
C815	E10	D851	C3	Q853	F3	R875	E4	US86	F4
C816	E9	D852	C2	Q854	F1	R876	F4	W821	G6
C817	E9	D853	C2	Q861	E5	R877	F4		
C818	E10	D854	C2	Q862	F5	R879	E4		
C819	F9	D855	E2	Q871	E4	T801	D8		
C820	F9	D856	E2	Q872	E4	T851	B3		
C821	E6	D857	F3	Q874	F4	U801	C2		
C822	F7	D858	F2	Q875	E4	U802	C2		
C823	F8	D861	C5	R801	B7	U803	F3		
C824	E6	D862	C5	R802	B7	U804	F4		
C825	F6	D863	C4	R803	B7	U805	C5		
C826	F7	D864	C5	R804	B8	U806	B8		
C828	F7	D871	C3	R805	B8	U807	C7		
C829	F6	D872	C3	R806	C8	U808	D8		
C830	E6	D873	C3	R807	C9	U809	B10		
C831	C8	D875	D4	R808	B9	U810	C10		
C841	E6	F801	B5	R809	C10	U811	D5		
C844	A4	F802	E9	R810	C8	U812	E5		
C851	D3	F803	E8	R811	C8	U813	F5		
C852	D2	F851	B1	R812	C8	U814	F6		
C853	E3	F852	C1	R813	B10	U815	F6		
C854	E2	F853	C4	R814	B10	U816	F6		
C855	F3	J801	A5	R815	C7	U817	F6		
C856	F2	J802	A6	R816	B10	U818	F6		
C861	D5	J805	G7	R817	C10	U819	G6		
C862	E5	J806	A10	R818	D10	U820	F9		
C863	F5	J808	F6	R819	D10	U821	F8		
C871	D4	J809	G10	R820	D10	U822	F8		
C872	D4	J811	E10	R821	D9	U823	F7		
C873	D4	J852	G2	R822	D9	U824	F9		
D801	B6	J853	G4	R823	D10	U825	F9		
D802	C8	L801	B7	R825	D10	U826	F9		
D803	B9	L803	F6	R826	D10	U827	F9		
D804	D9	L804	F9	R827	E10	U828	E10		

P802 A



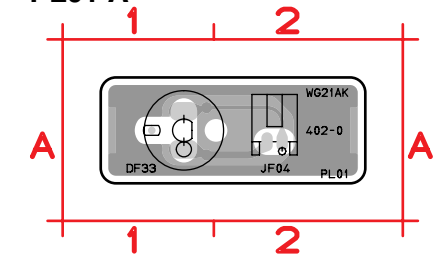
J803 B2
S801 A1

PH01 A



C959	A3	L961	A4	R969	B2
C960	A2	L962	A4	R970	B3
C961	A1	L963	B3	R971	B2
C962	B1	L964	B4	R972	B3
C963	B1	Q951	C1	R973	B2
C964	A1	Q952	B2	R974	B3
C965	B2	Q953	B4	R975	B3
C966	B1	Q954	B4	R976	B4
C967	B1	R954	B4	R977	B3
C968	B1	R955	B2	R978	B4
C969	C2	R956	B1	R979	B3
C970	C1	R957	B2	R980	B4
C971	B2	R958	B1	R981	B3
C972	B3	R959	C2	R982	B4
C973	B3	R960	C1	R983	B1
C974	B4	R961	C2	R984	B1
J951	A4	R962	C1		
J952	D4	R963	C2		
L957	B4	R964	C1		
L958	A4	R965	C2		
L959	B4	R967	C2		
L960	A4	R968	C3		

PL01 A



DF33 A1
JF04 A2

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

14. MICROPROCESSOR AND IC DATA

[PM01] QU01: H8S/2238R

Pin	PORT	Signal name	I/O	Contents of control	
1	PE5/D5	V_PSW	O	Power supply control for VIDEO.	L
2	PE6/D6	P/XI	O	Prograssive=H	
3	PE7/D7	N.C.	I		
4	PD0/D8	DB4	O	LCD DRIVER DATA 4	
5	PD1/D9	DB5	O	LCD DRIVER DATA 5	
6	PD2/D10	DB6	O	LCD DRIVER DATA 6	
7	PD3/D11	DB7	O	LCD DRIVER DATA 7	
8	PD4/D12	E	O	Write enable for LCD DRIVER	
9	PD5/D13	R/W	O	Read/Write for LCD DRIVER	
10	PD6/D14	RS	O	Instruction for LCD DRIVER, Select data	
11	PD7/D15	N.C.	I		
12	CVCC				
13	PC0/A0	N.C.	I		
14	VSS				
15	PC1/A1	STB_CONT	O	STB=L, POWER=H	L
16	PC2/A2	STB_LED	O	LED for standby	H
17	PC3/A3	FL_OFF_LED	O	LED for FL OFF	H
18	PC4/A4	DHD	I	Head Phone detection port, Head Phone=L	L
19	PC5/A5	BYPASS	O	A.DSP bypass signal, Bypass=L	L
20	PC6/A6	N.C.	I		
21	PC7/A7	N.C.	I		
22	PB0/A8/TIOCA3	VRST_1	O	Reset for CD0040AF	L
23	PB1/A9/TIOCB3	VRST_2	O	Reset for ADV7314/7310	L
24	PB2/A10/TIOCC3	VRST_3	O	Reset for PD0280B (Scaler)	L
25	PB3/A11/TIOCD3	VRST_4	O	Reset for Sil9290 (HDMI)	L
26	PB4/A12/TIOCA4	N.C.	I		
27	PB5/A13/TIOCB4	N.C.	I		
28	PB6/A14/TIOCA5	MC_RST	O	Reset for B/E	L
29	PB7/A15/TIOCB5	B/EON	I	STB mode input port for B/E	
30	PA0/A16	N.C.	I		
31	PA1/A17/TxD2	DATAO_OP	O	Data output port for B/E	
32	PA2/A18/RxD2	DATAL_OP	I	Data input port for B/E	
33	PA3/A19/SCK2	CLK_OP	O	Clock input port for B/E	
34	P10/TIOCA0/DACK0/A20	IR_IN	I	Input capture	
35	P11/TIOCB0/DACK1/A21	N.C.	I		
36	P12/TIOCC0/TCLKA/A22	N.C.	I		
37	P13/TIOCD0/TCLKB/A23	N.C.	I		
38	P14/TIOCA1/IRQ0	CS_OP	I	External interruption (Chip selection input port for B/E)	
39	P15/TIOCB1/TCLKC	/DFRES	I	Circumference IC.)	
40	P16/TIOCA2/IRQ1	DSPREQ1	I	Interruption REQ1 for ADSP	
41	P17/TIOCB2/TCLKD	N.C.	I		
42	AVSS	GND			
43	P97/DA1	N.C.	I		
44	P96/DA0	N.C.	I		
45	P47/AN7	BIT2	I	Version distinction 3	
46	P46/AN6	BIT1	I	Version distinction 2	
47	P45/AN5	BIT0	I	Version distinction 1	
48	P44/AN4	SELECT	I	Model distinction	L:DV8500 H:OEM
49	P43/AN3	KEY4	I	KEY_4 input	
50	P42/AN2	KEY3	I	KEY_3 input	
51	P41/AN1	KEY2	I	KEY_2 input	
52	P40/AN0	KEY1	I	KEY_1 input	
53	Vref				
54	AVCC				
55	MD0				
56	MD1				
57	OSC2				
58	OSC1				
59	RES	CPU_RST		CPU reset signal	

[PM01] QU01: H8S/2238R

Pin	PORT	Signal name	I/O	Contents of control	
60	NMI				
61	STBY				
62	VCC			Power supply	
63	XTAL				
64	VSS	GND			
65	EXTAL				
66	"FEW"				
67	MD2				
68	PF7	VFD_CLK	O	Clock output port for LC75712.	Software serial
69	PF6	VFD_CE	O	Chip enable output port for LC75712.	
70	PF5/RD	VFD_SDA	O	Data output port for LC75712.	Software serial
71	PF4/HWR	VFD_RES	O	Reset for LC75712.	
72	PF3/LWR/ADTRG/IRQ3	KEY4	I	External interruption (POWER/STANDBY SW detection)	
73	PF2/WAIT	N.C.	I		
74	PF1/BACK/BUZZ	CTS	I	CTS input of RS232C	
75	PF0/BREQ/IRQ2	RTS	O	RTS input of RS232C	
76	P30/TxD0	RS_TXD/TXD2	O	RS232C output	
77	P31/RxD0	RS_RXD/RXD2	I	RS232C input	
78	P32/SCK0/SDA1/IRQ4	SDA1	I/O	EEPROM/ADV7310/ADV7314	
79	P33/TxD1/SCL1	SCL1	O	EEPROM/ADV7310/ADV7314	
80	P34/RxD1/SDA0	SDA2	I/O	HDMI	
81	P35/SCK1/SCL0/IRQ5	SDA2	O	HDMI	
82	P36	SCS	O	Chip selection port for A.DSP.	
83	P77/TxD3	DSPDOUT	O	Serial data output port for A.DSP.	
84	P76/RxD3	DSPDIN	I	Serial data input port for A.DSP.	
85	P75/TMO3/SCK3	DSPCLK	O	Clock output port for A.DSP.	
86	P74/TMO2/MRES	FCS	O	Chip selection port for A.DSP.	L
87	P73/TMO1/TEND1/CS7	HINBSY	I		
88	P72/TMO0/TEND0/CS6	RSTDSP	O	Reset for A.DSP.	L
89	P71/TMRI23/TMC123/DREQ1/CS5	FILT_SEL	I	Audio DAC detection	
90	P70/TMRI01/TMC101/DREQ0/CS4	DIR_DSD	I	Audio DAC detection	
91	PG0/IRQ6	DSPREQ2	I	Interruption REQ2 for ADSP	
92	PG1/CS3/IRQ7	HDMI_INT	I	Interruption signal for Sil9190	L
93	PG2/CS2	CCLK	O	Clock for CS4398 DAC	Software serial
94	PG3/CS1	CDOUT	O	Data output port for CS4398 DAC	Software serial
95	PG4/CS0	CDIN	I	Data input for CS4398 DAC	Software serial
96	PE0/D0	CS1	O	Chip selection port for CS4398 DAC	L
97	PE1/D1	CS2	O	Chip selection port for CS4399 DAC	L
98	PE2/D2	RST	O	Reset for CS4398 DAC	L
99	PE3/D3	DAC_MUTE1	O	Mute for audio	L
100	PE4/D4	DAC_MUTE2	O	Mute for audio	L

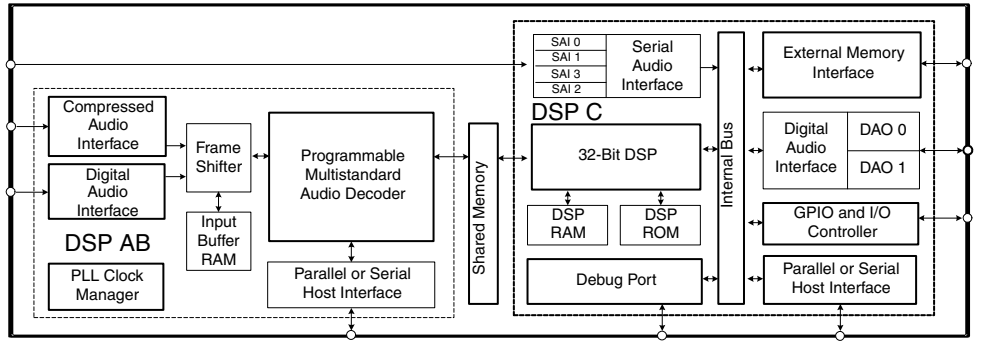
[PM01] Q102(Back End microprocessor) : M32102S6FP

Pin	PORT	SIGNAL NAME	I/O	DESCRIPTION
1	SBI#	---	I	PULL UP
2	DBI#	DBI	I	JTAG
3	TDO	TDO	O	JTAG
4	TDI	TDI	I	JTAG
5	TMS	TMS	I	JTAG
6	TCK	TCK	I	JTAG
7	TRSYNC#	N.C.	O	
8	EVENT1	N.C.	O	
9	EVENT0	N.C.	O	
10	VSS	GND		
11	BCLK	N.C.	O	
12	VCCX	+3.3V		
13	MODE1	---	I	PULL UP
14	MODE0	---	I	GND
15	TRST#	MC_TRST	I	JTAG
16	RESET#	MC_RST	I	Reset signal for the microprocessor. RESET=L
17	VCC	+2.5V		
18	XIN	27MHz	I	System clock input (27MHz)
19	VSS	GND		
20	XOUT	N.C.	O	System clock output. (27MHz)
21	PLLVCC	+2.5V		Power supply for PLL.
22	PLLCAP	---	I	Filter for PLL.
23	PLLVSS	GND		GND for PLL
24	P56/SCLK1	DRVCLK	O	Clock output to CXD1185.
25	P54/TXD1	DRVRX	O	Serial data output to CXD1185.
26	P55/RXD1	DRVTX	I	Input serial data from CXD1185.
27	VCCX	+3.3V		
28	TEST	GND		
29	TRCLK	N.C.	O	
30	VSS	GND		
31	P57/CTS1#/RTS1#	DRVRDY	I	Ready signal from CXD1185. Ready=L
32	P52/SCLK0	CLK_OP	O	Clock output for serial transmission to panel microprocessor.
33	TRDATA0	N.C.	O	
34	P50/TXD0	DATAI_OP	O	Serial data output to panel microprocessor.
35	P51/RXD0	DATAO_OP	I	Serial data input from panel microprocessor.
36	P53/CTS0#/RTS0#	CS_OP	O	Chip select output to panel microprocessor.
37	P71/INT0	DRVIRQ	I	The interruption demand from CXD1185. Interruption=L
38	P72/INT1	MC_INTR	I	The interruption demand from M65776. Interruption=L
39	P73/INT2	MC_INT2	I	The interruption demand from M65776. Interruption=L
40	TRDATA1	N.C.	O	
41	P74/INT3	SVA_INT3	I	The interruption demand from M65776. Interruption=L
42	VCCX	+3.3V		
43	VSS	GND		
44	P75/INT4/MFT0A/MFT2B	SELDSD	O	DSD selection output. DSD=H
45	P76/INT5/MFT1A/MFT0B	DSDRST	O	Reset signal for the CXD2753. RESET=L
46	TRDATA2	N.C.	O	
47	P77/INT6/MFT2A/MFT1B	V_CONT	O	Tray control output. (PWM)
48	TRDATA3	N.C.	O	
49	D31/P47	N.C.	O	
50	D30/P46/RTS4#	N.C.	O	
51	D29/P45/CTS4#	MSREADY	I	Ready signal output to CXD2753. Completion=L
52	VCC	+2.5V		
53	D28/P44/SCLK4	MSCK	O	Clock output to CXD2753.
54	VSS	GND		
55	D27/P43/RXD4	MSDATAO	I	Data input from CXD2753.
56	D26/P42/TXD4	MSDATAI	O	Data output to CXD2753.
57	D25/P41/RTS3#	V_SDA	I/O	IIC data.
58	D24/P40/CTS3#	V_SCL	O	IIC clock
59	TRDATA4	N.C.	O	
60	TRDATA5	N.C.	O	
61	TRDATA6	N.C.	O	
62	VCCX	+3.3V		
63	TRDATA7	N.C.	O	
64	D23/P37/SCLK3	N.C.	O	
65	D22/P36/RXD3	SMUTE	O	MUTE for CXD2753. MUTE ON=H
66	D21/P35/TXD3	N.C.	O	
67	D20/P34/RTS2#	---	I	PULL DOWN
68	D19/P33/CTS2#	/DFRES	O	Initialization on a panel microprocessor. Completion=L
69	D18/P32/SCLK2	XMSLAT	O	Latch output to CXD2753*
70	D17/P31/RXD2	CDDA	O	Select CDDA direction. Direct=H
71	VSS	GND		
72	D16/P30/TXD2	B/EON	O	B/E state Standby=L, Power ON=H

[PM01] Q102(Back End microprocessor) : M32102S6FP

Pin	PORT	SIGNAL NAME	I/O	DESCRIPTION
73	D15	HD15	I/O	Data I/O
74	D14	HD14	I/O	Data I/O
75	D13	GD13	I/O	Data I/O
76	VCCX	+3.3V		
77	D12	HD12	I/O	Data I/O
78	D11	HD11	I/O	Data I/O
79	D10	HD10	I/O	Data I/O
80	VSS	GND		
81	D9	HD9	I/O	Data I/O
82	D8	HD8	I/O	Data I/O
83	D7	HD7	I/O	Data I/O
84	D6	HD6	I/O	Data I/O
85	D5	HD5	I/O	Data I/O
86	D4	HD4	I/O	Data I/O
87	D3	HD3	I/O	Data I/O
88	D2	HD2	I/O	Data I/O
89	D1	HD1	I/O	Data I/O
90	D0	HD0	I/O	Data I/O
91	ROMSZ	GND	I	PULL DOWN
92	VSS	GND		
93	HLDA#	N.C.	O	
94	HOLD#	---	I	PULL UP
95	VCCX	+3.3V		
96	BSEL0#	FROMCS	O	Chip enable to FlashROM
97	P03/BSEL1#	MC_BSEL1	O	Chip selection to M65776.
98	P04/BSEL2#	N.C.	O	
99	P05/BSEL3#	N.C.	O	
100	P06/BSEL4#	N.C.	O	
101	P07/BSEL5#	N.C.	O	
102	READY#	MC_RDY	I	Ready signal from M65776.
103	P17/RD/WR#	N.C.	O	
104	RS#	MC_RS	O	output enable to Flash ROM.
105	WS0#/DQM0	MC_WS0	O	Byte High Enable signal output
106	WS1#/DQM1	MC_WS1	O	Enable output of extended port
107	WS2#/DQM2/A30	A30	O	Address output
108	P27/WS3#/DQM3	DRV_RST	O	Reset signal output to CXD1885. Reset=L
109	P67/DWE#	OPN_DRV	O	Tray Open/Close control output
110	P66/DCAS#	CLS_DRV	O	Tray Open/Close control output
111	P65/DRAS#	OPN_SW	I	Tray open detection signal. Detection=L
112	P64/DCAS1#	CLS_SW	I	Tray close detection signal. Detection=L
113	VCCX	+3.3V		
114	P63/DCS0#	RESET	O	Reset signal output to M65776. Reset=L
115	P62/DCKE	AMUTE	O	Audio mute control output. MUTE ON=L
116	A29/MA0	A29	O	Address output
117	A28/MA1	A28	O	Address output
118	A27/MA2	A27	O	Address output
119	A26/MA3	A26	O	Address output
120	A25/MA4	A25	O	Address output
121	VSS	GND		
122	A24/MA5	A24	O	Address output
123	A23/MA6	A23	O	Address output
124	A22/MA7	A22	O	Address output
125	A21/MA8	A21	O	Address output
126	A20/MA9	A20	O	Address output
127	VCC	+2.5V		
128	VSS	GND		
129	A19/MA10	A19	O	Address output
130	A18/MA11	A18	O	Address output
131	A17/MA12	A17	O	Address output
132	A16/MA13	A16	O	Address output
133	A15	A15	O	Address output
134	VCCX	+3.3V		
135	A14	A14	O	Address output
136	A13	A13	O	Address output
137	A12	A12	O	Address output
138	A11	A11	O	Address output
139	A10	A10	O	Address output
140	A9	A9	O	Address output
141	A8	N.C.	O	
142	VSS	GND		
143	P70	DSD/PCM	O	Select DSD/PCM. PCM=L
144	VCCX	+3.3V		

[PM01] Q301 : CS494003 (CS4900 Family)



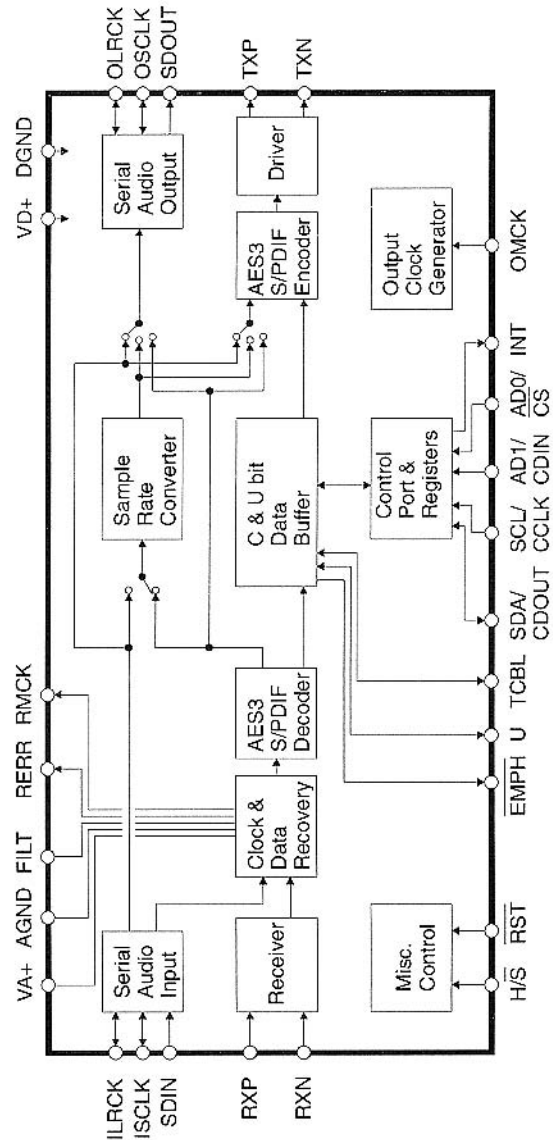
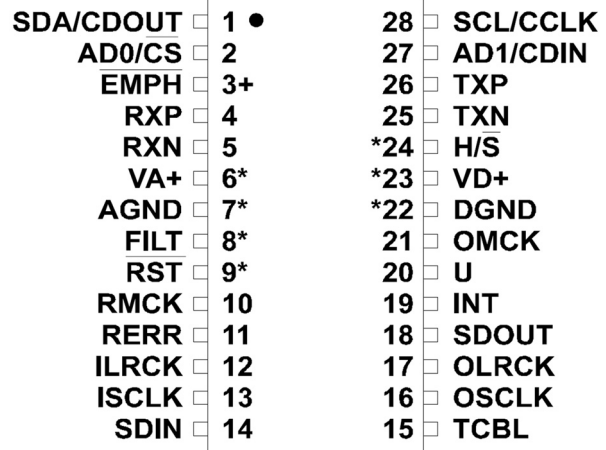
Pin No.	I/O	Function	Description
1	I/O	UHS0, GPIO18	Mode Select Bit 0, General Purpose I/O
2	I/O	UHS1, GPIO19	Mode Select Bit 1, General Purpose I/O
3		INTREQ	Control Port Interrupt Request
4	I	FA1, FSCDIN	Host Address Bit One or SPI Serial Control Data Input
5	I/O	GPIO20	General Purpose I/O
6	I	FA0, FSCCLK	Host Parallel Address Bit Zero or Serial Control Port Clock
7	I/O	FHS2, FSCDIO, FSCDOUT	Mode Select Bit 2 or Serial Control Port Data Input and Output, Parallel Port Type Select
8	I/O	GPIO21	General Purpose I/O
9		FDAT7	DSP AB Bidirectional Data Bus
10		VDD6	2.5V Supply Voltage
11		VSS6	2.5V Ground
12		FHS0, FWR, FDS	Mode Select Bit 0 or Host Write Strobe or Host Data Strobe
13	O	FHS1, FRD, FR/W	Mode Select Bit 1 or Host Parallel Output Enable or Host Parallel R/W
14		FDAT6	DSP AB Bidirectional Data Bus
15	I	FCS	Host Parallel Chip Select, Host Serial SPI Chip Select
16	O	FINTREQ	Control Port Interrupt Request
17		FDBCK	Reserved
18		FDAT5	DSP AB Bidirectional Data Bus
19		FDAT4	DSP AB Bidirectional Data Bus
20		VDD7	2.5V Supply Voltage
21		VSS7	2.5V Ground
22		FDAT3	DSP AB Bidirectional Data Bus
23		FDBDA	Reserved
24		FDAT2	DSP AB Bidirectional Data Bus
25		DBDA	Debug Data
26		DBCK	Debug Clock
27		FDAT1	DSP AB Bidirectional Data Bus
28		TEST	Reserved
29		FDAT0	DSP AB Bidirectional Data Bus
30	I/O	NV_WE, GPIO16	SRAM Write Enable, General Purpose I/O
31	I/O	NV_OE, GPIO15	SRAM Output Enable, General Purpose I/O
32	I/O	NV_CS, GPIO14	SRAM Chip Select, General Purpose I/O
33		SD_WE	SDRAM Write Enable
34		SD_DATA0, EXTD0	SDRAM Data Bus, SRAM External Data Bus
35		SD_DATA1, EXTD1	SDRAM Data Bus, SRAM External Data Bus
36		SD_DATA2, EXTD2	SDRAM Data Bus, SRAM External Data Bus
37		SD_DATA3, EXTD3	SDRAM Data Bus, SRAM External Data Bus
38		SD_DATA4, EXTD4	SDRAM Data Bus, SRAM External Data Bus
39		SD_DQM0	SDRAM Data Mask 2
40		SD_DATA5, EXTD5	SDRAM Data Bus, SRAM External Data Bus
41		VSSD4	3.3V SDRAM/SRAM/EPROM Interface Ground
42		VDDSD4	3.3V SDRAM/SRAM/EPROM Interface Supply
43		SD_DATA6, EXTD6	SDRAM Data Bus, SRAM External Data Bus
44		SD_DATA7, EXTD7	SDRAM Data Bus, SRAM External Data Bus
45		SD_DQM1	SDRAM Data Mask 1
46		SD_DATA15, EXTA18	SDRAM Data Bus, SRAM External Address Bus
47		SD_DATA14, EXTA17	SDRAM Data Bus, SRAM External Address Bus
48		NC5	No Connect
49		SD_DATA13, EXTA16	SDRAM Data Bus, SRAM External Address Bus
50		VSSD3	3.3V SDRAM/SRAM/EPROM Interface Ground
51		VDDSD3	3.3V SDRAM/SRAM/EPROM Interface Supply
52		SD_DATA12, EXTA15	SDRAM Data Bus, SRAM External Address Bus

53		SD_DATA11, EXTA14	SDRAM Data Bus, SRAM External Address Bus
54		SD_DATA10, EXTA13	SDRAM Data Bus, SRAM External Address Bus
55		SD_DATA9, EXTA12	SDRAM Data Bus, SRAM External Address Bus
56		SD_DATA8, EXTA11	SDRAM Data Bus, SRAM External Address Bus
57		VSSD2	3.3V SDRAM/SRAM/EPROM Interface Ground
58		VDDSD2	3.3V SDRAM/SRAM/EPROM Interface Supply
59	O	SD_CLK_OUT	SDRAM Clock Output
60		SD_ADDR9, EXTA9	SDRAM Address Bus, SRAM External Address Bus
61	I	SD_CLK_IN	SDRAM Re-timing Clock Input
62		SD_ADDR8, EXTA8	SDRAM Address Bus, SRAM External Address Bus
63		SD_ADDR7, EXTA7	SDRAM Address Bus, SRAM External Address Bus
64		SD_CLK_EN	SDRAM Clock Enable
65		SD_ADDR6, EXTA6	SDRAM Address Bus, SRAM External Address Bus
66		SD_ADDR5, EXTA5	SDRAM Address Bus, SRAM External Address Bus
67		SD_ADDR4, EXTA4	SDRAM Address Bus, SRAM External Address Bus
68		SD_CS	SDRAM Chip Select
69		VSSD1	3.3V SDRAM/SRAM/EPROM Interface Ground
70		VDDSD1	3.3V SDRAM/SRAM/EPROM Interface Supply
71		SD_BA, EXTA19	SDRAM Bank Address Select, SRAM External Address Bus
72		SD_ADDR10, EXTA10	SDRAM Address Bus, SRAM External Address Bus
73		SD_ADDR0, EXTA0	SDRAM Address Bus, SRAM External Address Bus
74		SD_ADDR1, EXTA1	SDRAM Address Bus, SRAM External Address Bus
75		SD_ADDR2, EXTA2	SDRAM Address Bus, SRAM External Address Bus
76		SD_ADDR3, EXTA3	SDRAM Address Bus, SRAM External Address Bus
77		SD_RAS	SDRAM Row Address Strobe
78		SD_CAS	SDRAM Column Address Strobe
79	I/O	SDATAN3, GPIO27	PCM Audio Input Data, General Purpose I/O
80	I/O	SDATAN2, GPIO26	PCM Audio Input Data, General Purpose I/O
81	I/O	SDATAN1, GPIO25	PCM Audio Input Data, General Purpose I/O
82	I/O	SDATAN0, GPIO24	PCM Audio Input Data, General Purpose I/O
83		NC4	No Connect
84		NC3	No Connect
85	I/O	LRCLKN, GPIO23	PCM Audio Input Sample Rate Clock, General Purpose I/O
86	I/O	SCLKN, GPIO22	PCM Audio Input Bit Clock, General Purpose I/O
87	O	LRCLK1	Audio Output Sample Rate Clock
88		NC2	No Connect
89		NC1	No Connect
90		VDD1	2.5V Supply Voltage
91		VSS1	2.5V Ground
92	I/O	AUDATA7, XMT958B, GPIO31	Digital Audio Output 7, S/PDIF Transmitter, General Purpose I/O
93	I/O	AUDATA6, GPIO30	Digital Audio Output 6, General Purpose I/O
94	I/O	AUDATA5, GPIO29	Digital Audio Output 5, General Purpose I/O
95	I/O	HDATA7, GPIO7	DSP C Bidirectional Data Bus, General Purpose I/O
96	I/O	HDATA6, GPIO6	DSP C Bidirectional Data Bus, General Purpose I/O
97	I/O	HDATA5, GPIO5	DSP C Bidirectional Data Bus, General Purpose I/O
98	O	SCLK1	Audio Output Bit Clock

[PM01] Q301 : CS494003 (CS4900 Family)

[PM01] Q304 : CS8420

99	MCLK	Audio Master Clock	
100	VDD2	2.5V Supply Voltage	
101	VSS2	2.5V Ground	
102	I/O	AUDATA4, GPIO28	Digital Audio Output 4, General Purpose I/O
103	I/O	HDATA4, GPIO4	DSP C Bidirectional Data Bus, General Purpose I/O
104	O	SCLK0	Audio Output Bit Clock
105	I/O	HDATA3, GPIO3	DSP C Bidirectional Data Bus, General Purpose I/O
106	O	AUDATA3, XMT958A	Digital Audio Output 3, S/PDIF Transmitter
107	O	AUDATA2	Digital Audio Output 2
108	O	LRCLK0	Audio Output Sample Rate Clock
109	O	AUDATA1	Digital Audio Output 1
110	O	AUDATA0	Digital Audio Output 0
111	I	CMPCLK, FSCLKN2	PCM Audio Input Bit Clock
112	I/O	HDATA2, GPIO2	DSP C Bidirectional Data Bus, General Purpose I/O
113	VSS3	2.5V Ground	
114	VDD3	2.5V Supply Voltage	
115	I/O	HDATA1, GPIO1	DSP C Bidirectional Data Bus, General Purpose I/O
116	I/O	HDATA0, GPIO0	DSP C Bidirectional Data Bus, General Purpose I/O
117	O	CMPREQ, FLRCLKN2	Frame Clock Data Request Out
118	I	CMPDAT, FSDATAN2	PCM Audio Data Input Number Two
119	I	FLRCLKN1	PCM Audio Input Sample Rate Clock
120	I/O	WR, DS, GPIO10	Host Write Strobe, Host Data Strobe, General Purpose I/O
121	I/O	RD, R/W, GPIO11	Host Parallel Output Enable, Host Parallel R/W, General Purpose I/O
122	PLL	VSS	PLL Ground Voltage
123	FILT2	Phase Locked Loop Filter	
124	FILT1	Phase-Locked Loop Filter	
125	PLL	VDD	PLL Supply Voltage
126	O	CLKOUT, XTALO	Crystal Oscillator Output
127	I	CLKIN, XTALI	External Clock Input/Crystal Oscillator Input
128	CLK	SEL	DSP Clock Select
129	I/O	CS, GPIO9	Host Parallel Chip Select, General Purpose I/O
130	I/O	A0, GPIO13	Host Parallel Address Bit 0, General Purpose I/O
131	I	FSDATAN1	PCM Audio Data Input One
132	VDD4	2.5V Supply Voltage	
133	VSS4	2.5V Ground	
134	I	FSCLKN1, STCCLK2	PCM Audio Input Bit Clock
135	SCS	Host Serial SPI Chip Select	
136	I	SCDIN	SPI Serial Control Data Input
137	VSS5	2.5V Ground	
138	VDD5	2.5V Supply Voltage	
139	I/O	A1, GPIO12	Host Address Bit 1, General Purpose I/O
140	I/O	SCDOUT, SCDIO	Serial Control Port Data Input and Output
141	I/O	HINBSY, GPIO8	Input Host Message Status, General Purpose I/O
142	SCCLK	Serial Control Port Clock	
143	I/O	UHS2, CS_OUT, GPIO17	Mode Select Bit 2, External Serial Memory Chip Select, General Purpose I/O
144	I	RESET	Master Reset Input

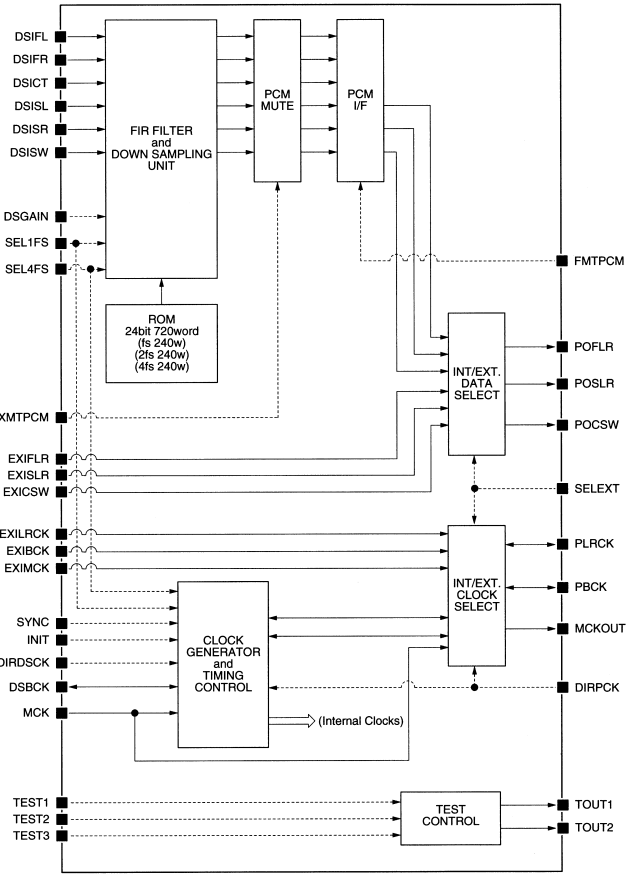


[PM01] Q305 : SM5819AF

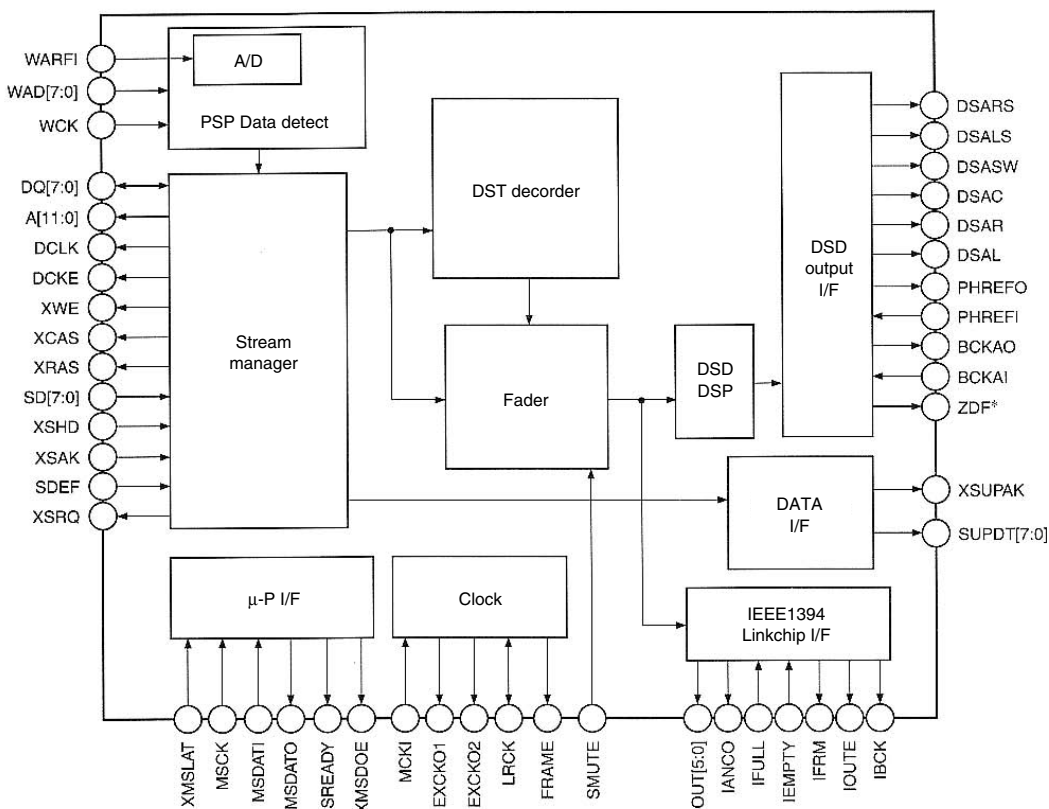
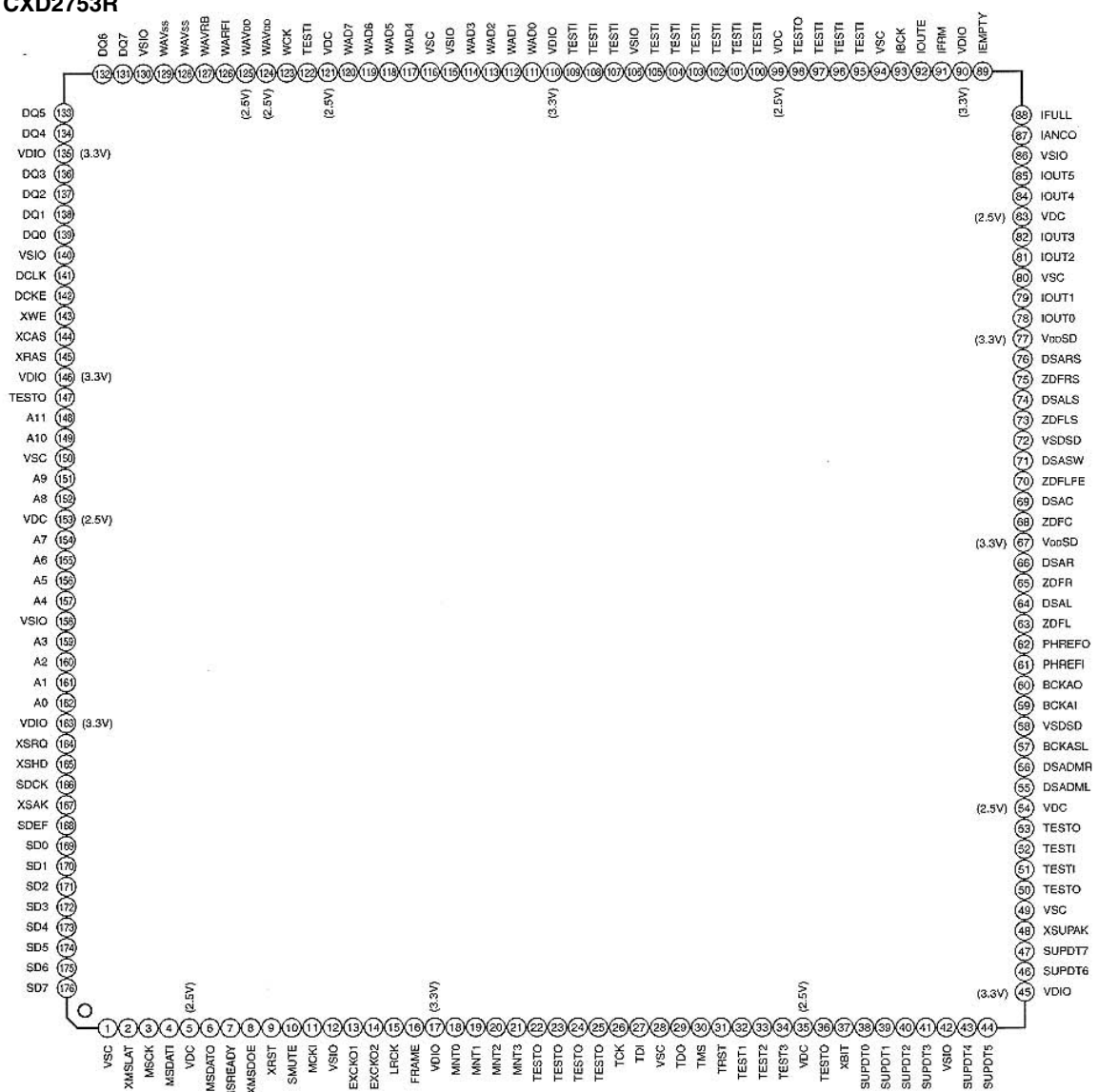
No.	Name	I/O	Property ¹	Input voltage	Description
1	VDDL	-	-	2.5V	Core power supply
2	SEL1FS	I	PD	3.3V	PCM output rate select 1 L: 2fs/4fs, H: fs
3	SEL4FS	I	PD	3.3V	PCM output rate select 2 L: 2fs, H: 4fs
4	SELEXT	I	PD	3.3V	fs/2fs/4fs output and external data output select L: fs/2fs/4fs data, H: external data (EXI**)
5	DSGAIN	I	PD	3.3V	DSD signal gain setting L: 100% modulation = 0dB, H: 50% modulation = 0dB
6	XMTPCM	I	PD	3.3V	PCM output mute control input L: Mute ON, H: Mute OFF
7	VDDH	-	-	3.3V	I/O power supply
8	TEST1	I	PD	3.3V	Test input 1 (must be open or tie LOW for normal operation)
9	TEST2	I	PD	3.3V	Test input 2 (must be open or tie LOW for normal operation)
10	TEST3	I	PD	3.3V	Test input 3 (must be open or tie LOW for normal operation)
11	TOUT1	O	-	-	Test output 1
12	VSS	-	-	-	Ground
13	VDDL	-	-	2.5V	Core power supply
14	DIRPCK	I	PD	3.3V	PCM output PBCK/PLRCK I/O select L: Output (master mode), H: Input (slave mode)
15	FMTPCM	I	PD	3.3V	PCM output format select L: MSB-first left-justified 32-bit, H: IIS 32-bit
16	VSS	-	-	-	Ground
17	MCKOUT	O	12mA	-	System clock output (selected by SELEXT)
18	VDDH	-	-	3.3V	I/O power supply
19	PBCK	I/O	S, 6mA	3.3V	PCM output BCK bit clock
20	PLRCK	I/O	S, 6mA	3.3V	PCM output LRCK word clock
21	POSLR	O	2mA	-	PCM data output: surround left/right-channel
22	POCSW	O	2mA	-	PCM data output: center/subwoofer channel
23	POFLR	O	2mA	-	PCM data output: front left/right-channel
24	VSS	-	-	-	Ground
25	VDDL	-	-	2.5V	Core power supply
26	TOUT2	O	-	-	Test output 2
27	MCK	I	-	3.3V	Master clock input: 512fs (22.5792MHz, fs = 44.1kHz)
28	VSS	-	-	-	Ground
29	EXIMCK	I	-	3.3V	External system clock input
30	VDDH	-	-	3.3V	I/O power supply
31	EXIBCK	I	S	3.3V	External PCM data BCK bit clock input
32	EXILRCK	I	S	3.3V	External PCM data LRCK word clock input
33	EXISLR	I	-	3.3V	External PCM data input: surround left/right-channel
34	EXICSW	I	-	3.3V	External PCM data input: center/subwoofer channel
35	EXIFLR	I	-	3.3V	External PCM data input: front left/right-channel
36	VSS	-	-	-	Ground

No.	Name	I/O	Property ¹	Input voltage	Description
39	DSIFL	I	-	3.3V	DSD data input: front left-channel
40	DSIFR	I	-	3.3V	DSD data input: front right-channel
41	DSICT	I	-	3.3V	DSD data input: center channel
42	DSISW	I	-	3.3V	DSD data input: subwoofer channel
43	DSISL	I	-	3.3V	DSD data input: surround left-channel
44	DSISR	I	-	3.3V	DSD data input: surround right-channel
45	DIRDSCK	I	PD	3.3V	DSBCK I/O select L: input (slave), H: output (master)
46	SYNC	I	S, PU	3.3V	Forced synchronization input (active-HIGH edge)
47	INIT	I	S, PU	3.3V	Initialization input: Active-LOW, Resync on "L" → "H"
48	VSS	-	-	-	Ground

1. S = Schmitt, PU = pull-up resistor, PD = pull-down resistor, mA = output current



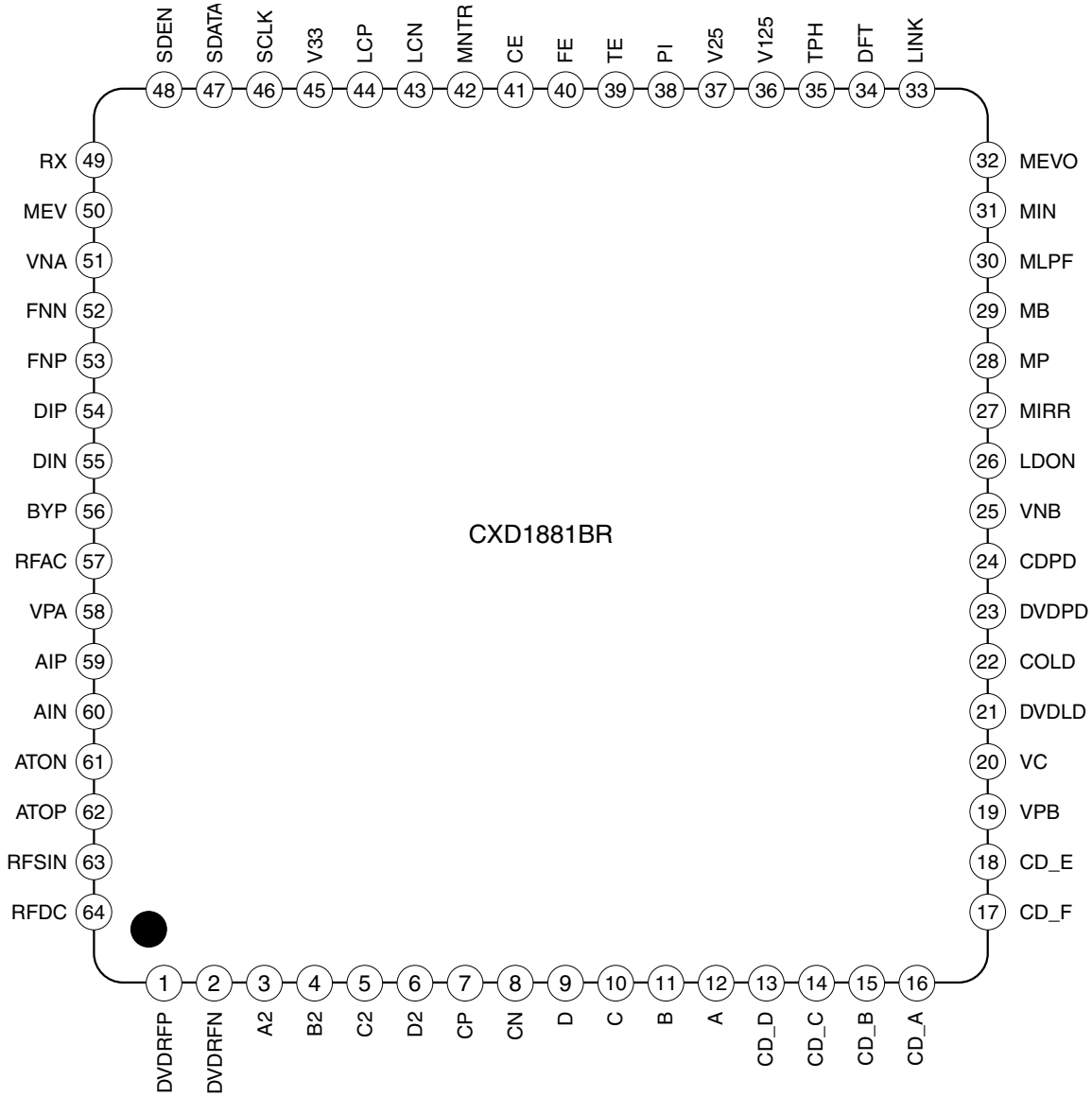
[PM01] Q401 : CXD2753R



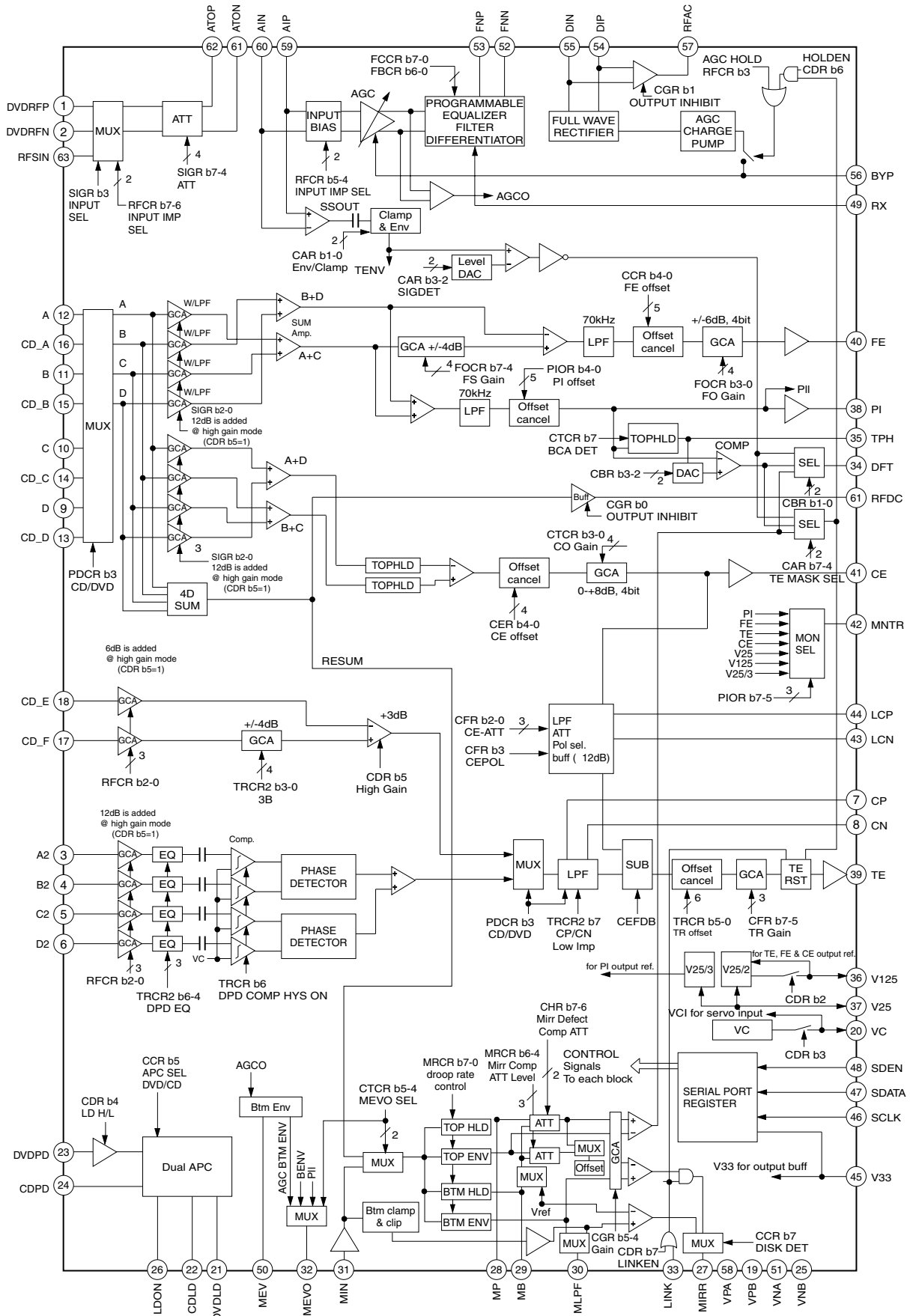
[PM01] Q404 : EPM3128ATC100-10 CPLD(Complex Programmable Logic Device)

Dedicated Pin	100-Pin TQFP	144-Pin TQFP	256-Pin FineLine BGA
INPUT/GCLK1	87	125	D9
INPUT/GCLRn	89	127	E8
INPUT/OE1	88	126	E9
INPUT/OE2/GCLK2	90	128	D8
TDI (1)	4	4	D4
TMS (1)	15	20	J6
TCK (1)	62	89	J11
TDO (1)	73	104	D13
GNDINT	38, 86	52, 57, 124, 129	A8, C9, G9, K8, P9
GNDIO	11, 26, 33, 43, 53, 59, 65, 74, 78, 95	3, 13, 17, 26, 33, 59, 64, 77, 85, 94, 105, 114, 135	A3, B10, C2, D14, E14, F6, G10, H8, J9, K7, L11, M2, M3, M14, P3, P6, P10, R2, R3, R10, T1, T8, T15
VCCINT (3.3 V Only)	39, 91	51, 58, 123, 130	B9, C8, G8, K9, P8
VCCIO (2.5 V or 3.3 V)	3, 18, 34, 51, 66, 82	24, 50, 73, 76, 95, 115, 144	B3, B5, C14, E15, F11, G3, G7, G15, H9, J8, K10, L3, L6, M15, P14, T2, T3
No Connect (N.C.)	—	1, 2, 12, 19, 34, 35, 36, 43, 46, 47, 48, 49, 66, 75, 90, 103, 108, 120, 121, 122	A1, A2, A4, A5, A6, A7, A9, A10, A11, A12, A13, A14, A15, A16, B1, B2, B4, B6, B7, B8, B11, B12, B13, B14, B 15, B16, C1, C3, C4, C6, C11, C13, C15, C16, D1, D2, D3, D15, D16, E1, E2, E3, E16, F1, F2, F15, F16, G1, G2, G14, G16, H1, H2, H15, H16, J1, J2, J15, J16, K1, 2, K3, K14, K15, K16, L1, L2, L15, L16, M1, M16, N1, N2, N3, N14, N15, N16, P1, P2, P4, P12, P13, P15, P16, R1, R4, R5, R6, R7, R8, R9, R11, R12, R13, R14, R15, R16, T4, T5, T6, T7, T9, T10, T11, T12, T13, T14, T16
Total User I/O Pins (2)	80	96	98

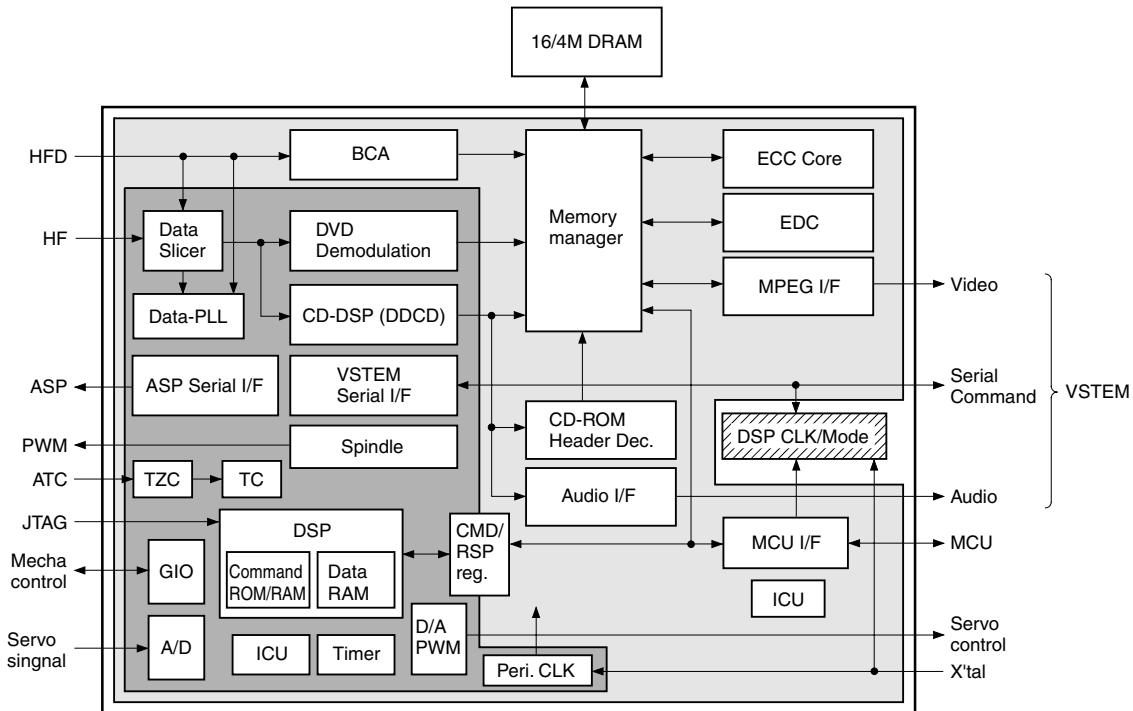
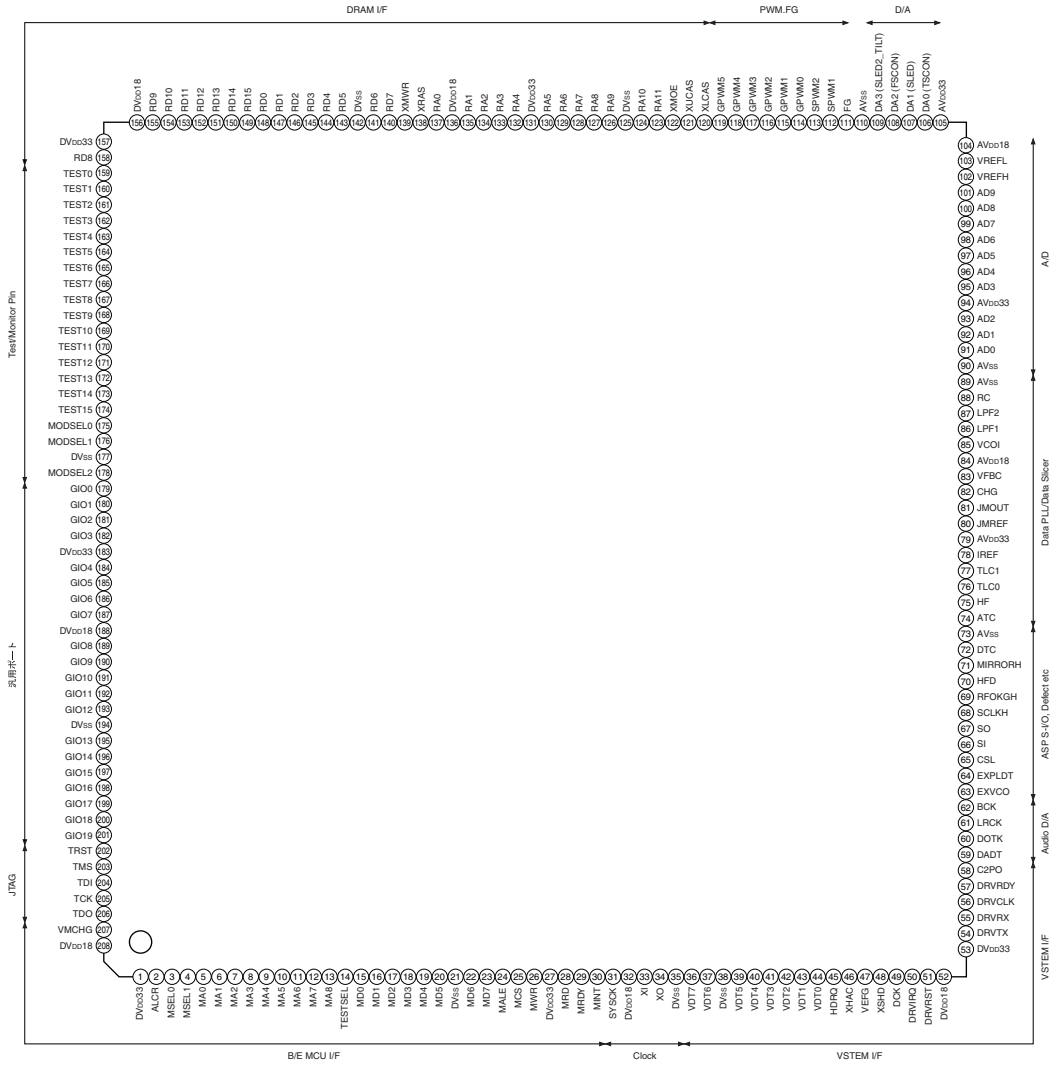
[PM01] Q501 : CXD1881BR



[PM01] Q501 : CXD1881AR

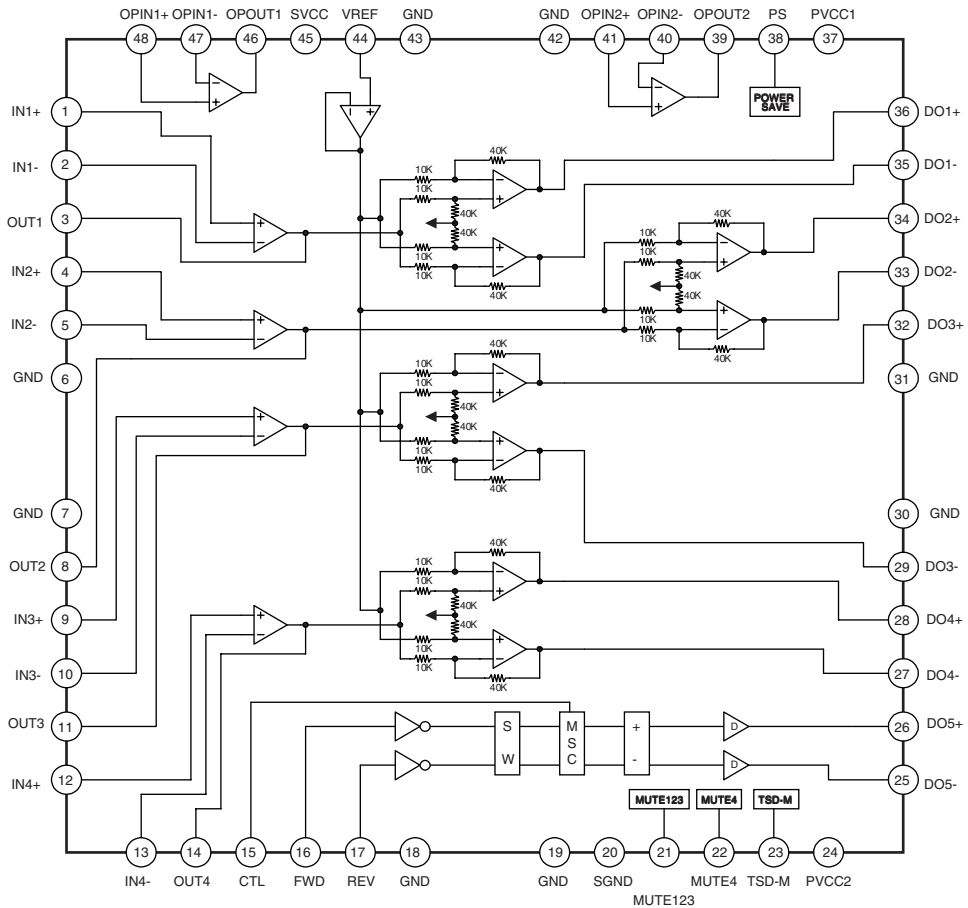
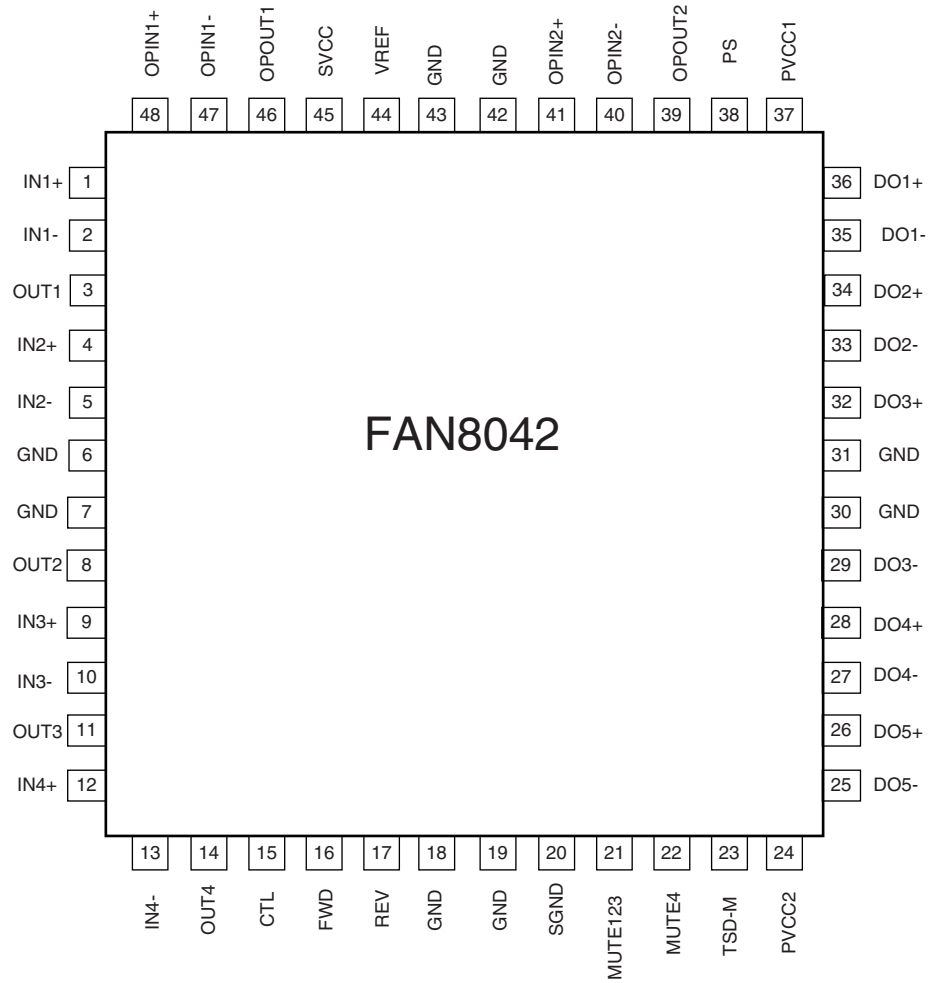


[PM01] Q502 : CXD1885Q



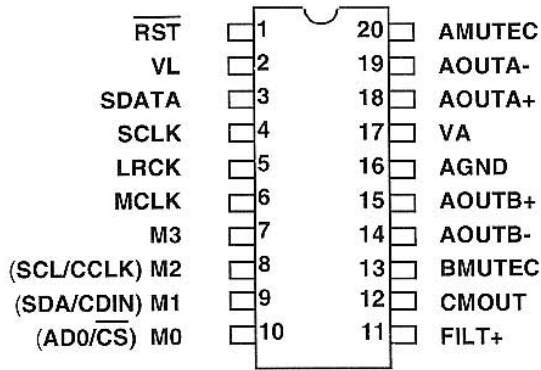
- : The functional block controlled by DSP.
- : The functional block which can choose control by DSP or MCU.
- : The clock for DSP can choose setup of MCU or VSTEM serial.

[PM01] Q508 : FAN8042

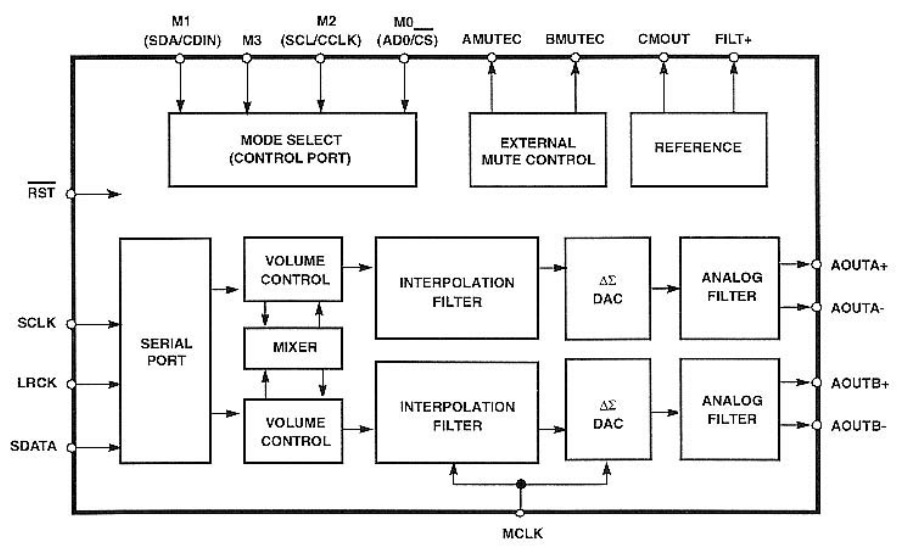


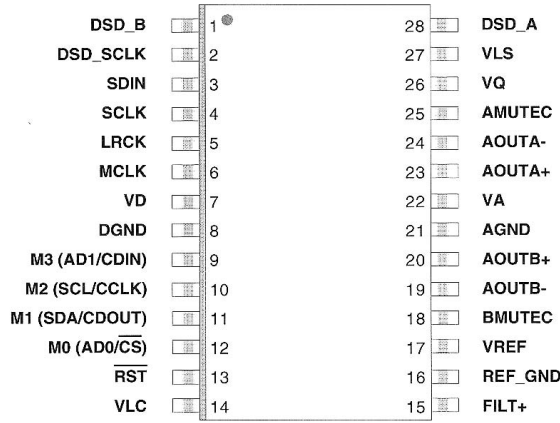
[PM01] Q508 : FAN8042

Pin Number	Pin Name	I/O	Pin Function Description
1	IN1	I	CH1 op-amp input (-)
2	IN1	I	CH1 op-amp input (-)
3	OUT1	O	CH1 op-amp output
4	IN2	I	CH2 op-amp input (-)
5	IN2	I	CH2 op-amp input (-)
6	GND	-	Ground
7	GND	-	Ground
8	OUT2	O	CH2 op-amp output
9	IN3+	I	CH3 op-amp input (+)
10	IN3	I	CH3 op-amp input (-)
11	OUT3	O	CH3 op-amp output
12	IN4+	I	CH4 op-amp input (+)
13	IN4	I	CH4 op-amp input (-)
14	OUT4	O	CH4 op-amp output
15	CTL	I	CH5 motor speed control
16	FWD	I	CH5 forward input
17	REV	I	CH5 reverse input
18	GND	-	Ground
19	GND	-	Ground
20	SGND	-	Signal Ground
21	MUTE123	I	Mute for CH1,2,3
22	MUTE4	I	Mute for CH4
23	TSD-M	O	TSD monitor
24	PVCC2	-	Power supply voltage 2 (For CH4, CH5)
25	DO5-	O	CH5 drive output (-)
26	DO5+	O	CH5 drive output (+)
27	DO4	O	CH4 drive output (-)
28	DO4+	O	CH4 drive output (+)
29	DO3	O	CH3 drive output (-)
30	GND	-	Ground
31	GND	-	Ground
32	DO3+	O	CH3 drive output (+)
33	DO2	O	CH2 drive output (-)
34	DO2+	O	CH2 drive output (+)
35	DO1	O	CH1 drive output (-)
36	DO1+	O	CH1 drive output (+)
37	PVCC1	-	Power supply voltage 1 (FOR CH1, CH2, CH3)
38	PS	I	Power save
39	OPOUT2	O	Normal op-amp2 output
40	OPIN2	I	Normal op-amp2 input (-)
41	OPIN2+	I	Normal op-amp2 input (+)
42	GND	-	Ground
43	GND	-	Ground
44	VREF	I	Bias voltage input
45	SVCC	-	Signal & OPAMPs supply voltage
46	OPOUT1	O	Normal op-amp1 output
47	OPIN1	I	Normal op-amp1 input (-)
48	OPIN1+	I	Normal op-amp1 input (+)



RST	1	Reset (Input) - Powers down device and resets all internal registers to their default settings.
VL	2	Logic Power (Input) - Positive power for the digital input/output.
SDATA	3	Serial Audio Data (Input) - Input for two's complement serial audio data.
SCLK	4	Serial Clock (Input/Output) - Serial clock for the serial audio interface.
LRCK	5	Left Right Clock (Input/Output) - Determines which channel, Left or Right, is currently active on the serial audio data line.
MCLK	6	Master Clock (Input) - Clock source for the delta-sigma modulator and digital filters.
FILT+	11	Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits.
CMOUT	12	Common Mode Voltage (Output) - Filter connection for internal quiescent voltage.
AMUTEC	20	Mute Control (Output) - The Mute Control pin goes high during power-up initialization, reset, muting, power-down or if the master clock to left/right clock frequency ratio is incorrect.
BMUTEC	13	
AOUTB-	14	Differential Analog Output (Outputs) - The full scale differential analog output level is specified in the Analog Characteristics specification table.
AOUTB+	15	
AOUTA+	18	
AOUTA-	19	
AGND	16	Ground (Input)
VA	17	Analog Power (Input) - Positive power for the analog section.
Control Port Mode Definitions		
M3	7	Mode Selection (Input) - This pins should be tied to GND level during control port mode.
SCL/CCLK	8	Serial Control Port Clock (Input) - Serial clock for the serial control port.
SDA/CDIN	9	Serial Control Data (Input/Output) - SDA is a data I/O line in I ² C mode. CDIN is the input data line for the control port interface in SPI mode.
AD0/CS	10	Address Bit 0 (I²C) / Control Port Chip Select (SPI) (Input/Output) - AD0 is a chip address pin in I ² C mode; CS is the chip select signal for SPI format.
Stand-Alone Mode Definitions		
M3	7	Mode Selection (Input) - Determines the operational mode of the device.
M2	8	
M1	9	
M0	10	





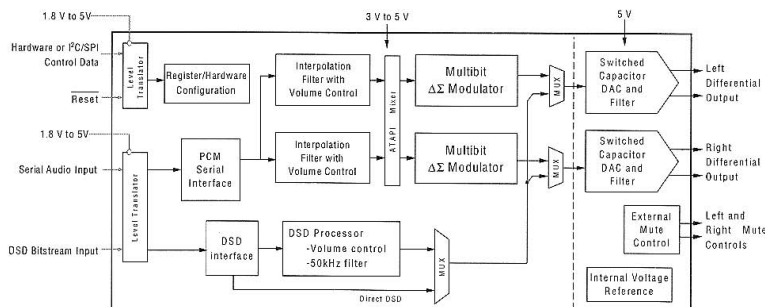
Pin Name	#	Pin Description
DSD_A	28	Direct Stream Digital Input (<i>Input</i>) - Input for Direct Stream Digital serial audio data.
DSD_B	1	
DSD_SCLK	2	DSD Serial Clock (<i>Input</i>) - Serial clock for the Direct Stream Digital audio interface.
SDIN	3	Serial Audio Data Input (<i>Input</i>) - Input for two's complement serial audio data.
SCLK	4	Serial Clock (<i>Input</i>) - Serial clock for the serial audio interface.
LRCK	5	Left Right Clock (<i>Input</i>) - Determines which channel, Left or Right, is currently active on the serial audio data line.
MCLK	6	Master Clock (<i>Input</i>) - Clock source for the delta-sigma modulator and digital filters.
VD	7	Digital Power (<i>Input</i>) - Positive power for the digital section.
DGND	8	Digital Ground (<i>Input</i>) - Ground reference for the digital section.
$\overline{\text{RST}}$	13	Reset (<i>Input</i>) - The device enters system reset when enabled.
VLC	14	Control Port Power (<i>Input</i>) - Positive power for Control Port I/O.
FILT ₊	15	Positive Voltage Reference (<i>Output</i>) - Positive reference voltage for the internal sampling circuits.
REF_GND	16	Reference Ground (<i>Input</i>) - Ground reference for the internal sampling circuits.
VREF	17	Voltage Reference (<i>Input</i>) - Positive voltage reference for the internal sampling circuits.
BMUTE _C	18	Mute Control (<i>Output</i>) - The Mute Control pin is active during power-up initialization, muting, power-down or if the master clock to left/right clock frequency ratio is incorrect. During reset these outputs are set to a high impedance.
AMUTE _C	25	
AOUTB ₊	20	Differential Right Channel Analog Output (<i>Output</i>) - The full scale differential analog output level is specified in the Analog Characteristics specification table.
AOUTB ₋	19	
AGND	21	Analog Ground (<i>Input</i>) - Ground reference for the analog section.
VA	22	Analog Power (<i>Input</i>) - Positive power for the analog section.
AOUTA ₊	23	Differential Left Channel Analog Output (<i>Output</i>) - The full scale differential analog output level is specified in the Analog Characteristics specification table.
AOUTA ₋	24	
VQ	26	Quiescent Voltage (<i>Output</i>) - Filter connection for internal quiescent voltage.
VLS	27	Serial Audio Interface Power (<i>Input</i>) - Positive power for serial audio interface I/O.

Stand Alone Mode Definitions

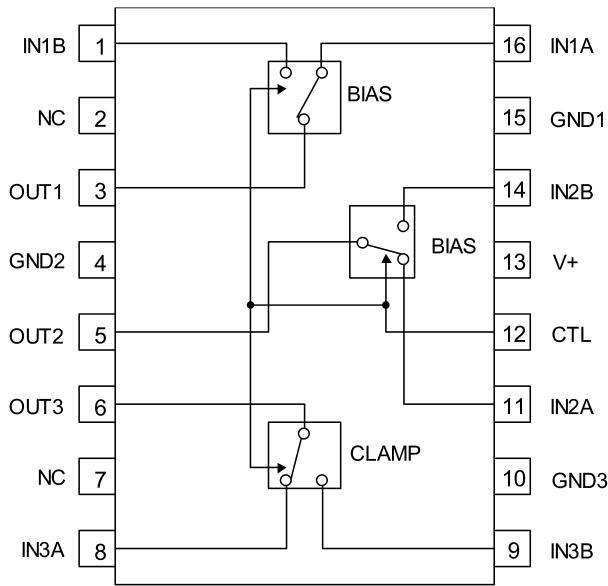
M3	9	Mode Selection (<i>Input</i>) - Determines the operational mode of the device.
M2	10	
M1	11	
M0	12	

Control Port Mode Definitions

AD1/CDIN	9	Address Bit 1 (<i>I²C</i>) / Control Data Input (SPI) (<i>Input</i>) - AD1 is a chip address pin in <i>I²C</i> mode; CDIN is the input data line for the Control Port interface in SPI mode.
SCL/CCLK	10	Serial Control Port Clock (<i>Input</i>) - Serial clock for the serial Control Port.
SDA/CDO _U T	11	Serial Control Data (<i>I²C</i>) / Control Data Output (SPI) (<i>Input/Output</i>) - SDA is a data I/O line in <i>I²C</i> mode. CDO _U T is the output data line for the Control Port interface in SPI mode.
AD0/ $\overline{\text{CS}}$	12	Address Bit 0 (<i>I²C</i>) / Control Port Chip Select (SPI) (<i>Input</i>) - AD0 is a chip address pin in <i>I²C</i> mode; $\overline{\text{CS}}$ is the chip select signal for SPI format.

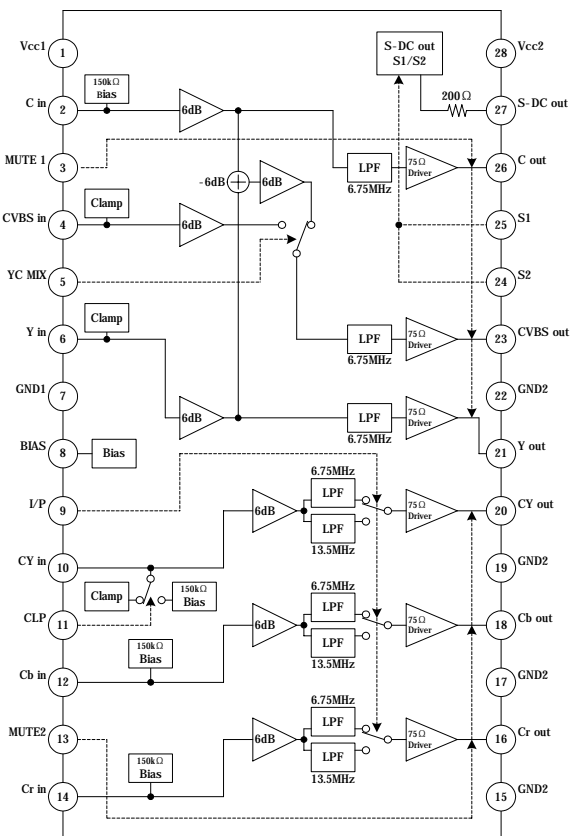


[PV01] QE01 : NJM2584M (VIDEO SW.)



PIN	MODE	NOTES
Control	H	B channel output
	L	A channel output
	OPEN	A channel output

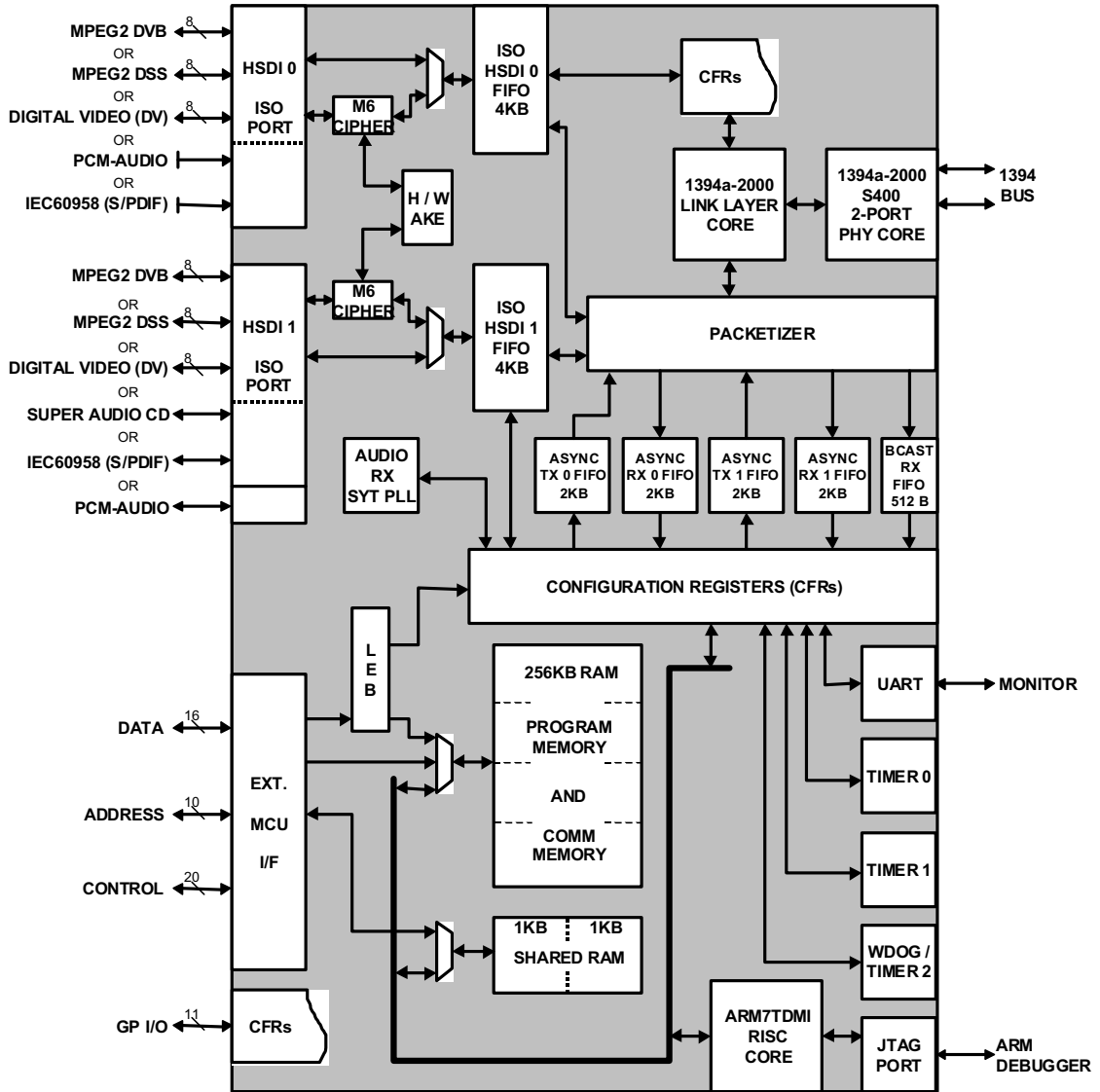
[PV01] QE02 : MM1623 (VIDEO SIGNAL DRIVER)



入力選択 Input select	出力端子 Output Terminal	制御端子 Control Terminal			
		MUTE1	YC MIX	MUTE2	CLP
MUTE	C out	Low	*	*	*
C in		High	*	*	*
MUTE	CVBS out	Low	*	*	*
Y in + C in		High	Low	*	*
CVBS in			High	*	*
MUTE	Y out	Low	*	*	*
Y in		High	*	*	*
MUTE	CY out	*	*	Low	*
CY in (Clamp)		*	*	High	Low
CY in (Bias)				High	High
MUTE	Cb out	*	*	Low	*
Cb in				High	*
MUTE	Cr out	*	*	Low	*
Cr in				High	*

*: Don't care

[PI01] QI01 : TSB43CA42PGF



Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
Miscellaneous Pins				
DISABLE_IFn	T8	64	I	Interface disable. When asserted, the interfaces are put into a high-Z state. Interfaces include: ex-CPU, HSDI, GPIO, and WTCH_DG_TMRn.
HPS	P8	62	I	Host power status. This indicates the power status of the external system to iCelLynx-Micro. A rising edge indicates the system CPU has been turned ON. (The internal ARM must wake up.) A falling edge indicates the system CPU has been turned OFF. (The internal ARM decides if power down is necessary.)
LOW_PWR_RDY	R8	63	O	Output to system to indicate iCelLynx-Micro is ready to go into a low power state. The ARM and WTCH_DG_TMRn control this pin.
WTCH_DG_TMRn	U16	88	O	Watch dog timer (for the ARM). iCelLynx-Micro hardware asserts this pin whenever ARM software has not updated the Timer2 register within the allowed time period.
RESET_ARMn	U7	60	I	ARM reset. This signal resets the internal ARM processor.
RESETn	T7	59	I	Device reset. This signal resets all logic. This includes the PHY, link core, memory, the ARM, and random logic.
Power and Ground Pins				
VSS	A2, B1, B7, C11, C16, G17, J1, L15, P11, T6	1, 21, 55, 76, 102, 117, 131, 146, 162, 176		Digital ground
AGND	J2, K4, M3, U2	24, 27, 35, 45		Analog ground
PLL_GND	R6	54		PLL ground
VDD	A7, B3, C17, D3, D11, H2, H15, L14, R11, U6	4, 20, 56, 75, 101, 116, 130, 145, 161, 175		Digital power supply. Must be set to 3.3-V nominal.
AVDD	J3, K3, L4, P3, R4	23, 28, 32, 41, 48		Analog power supply. Must be set to 3.3-V nominal.
PLL_VDD	R5	51		PLL power supply. Must be set to 3.3-V nominal.
Regulator Pins				
REG_ENn	U11	73	I	Internal regulator enable. The iCelLynx-Micro core voltage is 1.8 V. Internal regulators are used to regulate the 3.3-V VDD inputs to 1.8 V. This pin enables the regulators.

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
REG_OUT0	T11	74	O	1.8-V regulator output. This pin must be connected to ground using a 0.1-µF capacitor.
REG_OUT1	H14	115	O	1.8-V regulator output. This pin must be connected to ground using a 0.1-µF capacitor.
REG_OUT2	C8	160	O	1.8-V regulator output. This pin must be connected to ground using a 0.1-µF capacitor.
External CPU Interface Pins				
MCIF_ACKz	N15	95	I/O	MCIF acknowledge pin. Default active low. iCelLynx-Micro asserts this signal if it has completed the MCIF request. This signal is driven when chip select (CS) is asserted. This signal is used for the following modes: • 68000 + wait I/O access • I/O Type-3 MPC850
MCIF_ADDR1	G14	120	I	MCIF address 1 pin. This data pin is the least significant bit of the MCIF address bus. MCIF_ADDR0 is internally grounded. Only 16-bit addressing is allowed. MCIF_ADDR1 must be connected to the Address1 signal of the system CPU.
MCIF_ADDR2	F17	121	I	MCIF address 2 pin
MCIF_ADDR3	F16	122	I	MCIF address 3 pin
MCIF_ADDR4	F15	123	I	MCIF address 4 pin
MCIF_ADDR5	E17	124	I	MCIF address 5 pin
MCIF_ADDR6	E16	125	I	MCIF address 6 pin
MCIF_ADDR7	E15	126	I	MCIF address 7 pin
MCIF_ADDR8	D17	127	I	MCIF address 8 pin
MCIF_ADDR9	D16	128	I	MCIF address 9 pin
MCIF_ADDR10	D15	129	I	MCIF address 10 pin. This data pin is the most significant bit of the MCIF address bus.
MCIF_BUSCLKz	M15	98	I	MCIF bus clock. This pin is only used for the MCIF synchronous mode. I/O Type-3 MPC850 and the memory access. This signal must be pulled high if not used.
MCIF_CS_I/Oz	R16	90	I	MCIF chip select for all I/O MCIF modes.
MCIF_CS_MEMz	R17	91	I	MCIF chip select for the memory MCIF mode.
MCIF_DATA0	M16	99	I/O	MCIF data 0 pin. This data pin is the least significant bit of the MCIF data bus.
MCIF_DATA1	M17	100	I/O	MCIF data 1 pin
MCIF_DATA2	L16	103	I/O	MCIF data 2 pin
MCIF_DATA3	L17	104	I/O	MCIF data 3 pin
MCIF_DATA4	K17	105	I/O	MCIF data 4 pin
MCIF_DATA5	K14	106	I/O	MCIF data 5 pin
MCIF_DATA6	K15	107	I/O	MCIF data 6 pin
MCIF_DATA7	K16	108	I/O	MCIF data 7 pin
MCIF_DATA8	J17	109	I/O	MCIF data 8 pin
MCIF_DATA9	J14	110	I/O	MCIF data 9 pin
MCIF_DATA10	J15	111	I/O	MCIF data 10 pin
MCIF_DATA11	J16	112	I/O	MCIF data 11 pin
MCIF_DATA12	H17	113	I/O	MCIF data 12 pin
MCIF_DATA13	H16	114	I/O	MCIF data 13 pin
MCIF_DATA14	G16	118	I/O	MCIF data 14 pin

[PI01] QI01 : TSB43CA42PGF

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
MCIF_DATA15	G15	119	I/O	MCIF data 15 pin. This data pin is the most significant bit of the MCIF data bus.
MCIF_ENDIAN	B17	132	I	MCIF endian pin. This sets the endianness for accesses between the external CPU and the internal iCeLynx-Micro memory. This pin sets endianness for all MCIF modes. When set to 0, data is read/written to the ex-CPU exactly as it is stored in iCeLynx-Micro memory. (Big endian) When set to 1, data is swapped on half-word and byte boundaries before it is read/written to the ex-CPU. (Little endian)
MCIF_INTz	T17	89	O	MCIF Interrupt. This signal is push-pull (always asserted). It does not require a pullup resistor.
MCIF_MODE0	A16	133	I	MCIF mode 0. Used to select MCIF mode.
MCIF_MODE1	B15	134	I	MCIF mode 1. Used to select MCIF mode.
MCIF_MODE2	A15	135	I	MCIF mode 2. Used to select MCIF mode.
MCIF_OEz	N16	96	I	MCIF output enable. Default active low. This input pin indicates if the system CPU wants to perform a MCIF read access. This signal is used for the following modes: <ul style="list-style-type: none"> SH-3 I/O access M16C/62 I/O access Memory access This signal must be pulled high if not used.
MCIF_R_nWz	P15	92	I	MCIF read/write pin. Default value for a read is 1. Default value for a write is 0.
MCIF_STRBz	P16	93	I	MCIF strobe pin. Default active low. This pin is used (along with MCIF_CS_IQz) to validate the MCIF access. This signal is used for the following modes: <ul style="list-style-type: none"> 68000 + wait I/O access MPC850 I/O access When not used, this pin must be pulled high.
MCIF_WAITz	P17	94	O	MCIF wait pin. Default active high. iCeLynx-Micro asserts this signal if it is not ready to service a MCIF request. When not asserted, this signal is in a high-Z state. This signal is used for the following modes: <ul style="list-style-type: none"> 68000 + wait I/O access SH-3 I/O access M16C/62 I/O access
MCIF_WEz	N17	97	I	MCIF Write Enable. Default active low. This input pin indicates if the system CPU wants to perform a MCIF write access. This signal is used for the following modes: <ul style="list-style-type: none"> SH-3 I/O access M16C/62 I/O access Memory access This signal must be pulled high if not used.
Universal Asynchronous Receiver Transmitter Pins				
UART_RxD	U15	86	I	UART receive port. Data from the system is input to the UART buffer using this pin.
UART_TxD	R14	85	O	UART transmit port. Data from the UART buffer is output to the system using this pin.
Joint Test Action Group (JTAG) and ARM Pins				
JTAG_TCK	U13	80	I	JTAG clock pin. Both the boundary scan and ARM JTAG uses this input for the JTAG clock.
JTAG_TDI	T12	78	I	JTAG test data input pin

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
R1 R0	T3, U3	46, 47	-	Current setting resistors. These pins are connected to external resistors to set the internal operating currents and cable driver output currents. A resistance of 6.34 kΩ ± 1% is required to meet the IEEE 1394-1995 output voltage limits.
FILTER0 FILTER1	T4, U4	49, 50	I/O	PLL filter terminals. These terminals are connected to an external capacitor to form a lag-lead filter required for stable operation of the internal frequency-multiplier PLL, which is using the crystal oscillator. A 0.1-μF ±10% capacitor is the only external component required to complete this filter.
XI X0	T5, U5	52, 53	-	Crystal oscillator inputs. These terminals connect to a 24.576-MHz parallel resonant fundamental mode crystal. The optimum values for the external shunt capacitors are dependent on the crystal used.
CPS	J4	22	I	Cable power status. This input to iCeLynx-Micro detects if cable power is present. This pin must be connected to the cable power through 390-kΩ resistor.
MSPCTL	H3	19	I	Maximum speed of PHY. When this signal is high; S100 and S200 operation. When this signal is low; S100, S200, and S400 operation.
LINKON	U8	61	O	Link-on output. This signal is asserted whenever LPS is low and a link-on packet is received from the 1394 bus.
High Speed Data Interface (HSDI) Port 0 Pins				
HSDI0_60958_IN	C14	136	I	60958 data input
HSDI0_AMCLK_IN	B14	137	I	Audio master clock input. This clock is used to decode the bi-phase encoding of 60958 data. This pin is also used to input the 1.5 x BCLK for flow control mode.
HSDI0_AVz	B13	140	O	HSDI port 0 available. Programmable. Default active low. For receive from 1394, this signal indicates if a 1394 packet is available in the receive buffer for reading. The HSDI_AV signal for MPEG2 data also depends on time stamp based release. For transmit to 1394, this signal indicates buffer level in HSDI TX modes 8 and 9 by programming a CFR. If the buffer level is above a programmed level, HSDI_AV will be asserted.
HSDI0_CLKz	A14	138	I	HSDI port 0 clock. Programmable. Default rising edge sample. This clock is used to operate the HSDI port 0 logic. In parallel mode the maximum clock is 27 MHz. In serial mode, the maximum clock is 70 MHz. This signal is output to HSDI0_CLKz in pass-through mode. This signal is used as HSDI0_MLPCM_BCLK for DVD-audio transmit.
HSDI0_D0	B12	143	I/O	HSDI port 0 data 0 pin. Data 0 is the least significant bit on the HSDI data bus. In serial mode, only HSDI0_D0 is used. This signal is output to HSDI0_D0 in pass-through mode. This signal is used as HSDI0_MLPCM_D0 for DVD-audio transmit.
HSDI0_D1	A12	144	I/O	HSDI port 0 Data 1 pin This signal is output to HSDI0_D1 in pass-through mode. This signal is used as HSDI0_MLPCM_D1 for DVD-audio transmit.
HSDI0_D2	B11	147	I/O	HSDI port 0 Data 2 pin This signal is output to HSDI0_D2 in pass-through mode. This signal is used as HSDI0_MLPCM_D2 for DVD-audio transmit.
HSDI0_D3	A11	148	I/O	HSDI port 0 Data 3 pin This signal is output to HSDI0_D3 in pass-through mode. This signal is used as HSDI0_MLPCM_A for DVD-audio transmit.

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
JTAG_TDO	R12	79	O	JTAG test data output pin
JTAG_TMS	U12	77	I	JTAG test mode selector pin
JTAG_TRSTn	T13	81	I	JTAG reset pin. Both the boundary scan and ARM JTAG uses this input for the JTAG clock. Note 1: TSB43Cx43A/TSB43CA42 must have JTAG_TRSTn=0 for correct ARM interrupt operation. Note 2: JTAG_TRST must be asserted once after power-up for correct operation of the iCeLynx-Micro.
ARM_TDI	U14	83	I	ARM JTAG test data input pin
ARM_TDO	T14	84	O	ARM JTAG test data output pin
ARM_TMS	R13	82	I	ARM JTAG test mode selector pin
General-Purpose Input/Out Pins (GPIO)				
GPIO0	U9	65	I/O	GPIO0. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO1	P9	66	I/O	GPIO1. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO2	G2	15	I/O	GPIO2. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO3	G1	16	I/O	GPIO3. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO4	H1	17	I/O	GPIO 4. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO5	H4	18	I/O	GPIO 5. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO6	U10	69	I/O	GPIO6. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO7	T10	70	I/O	GPIO7. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO8	P10	71	I/O	GPIO8. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO9	R10	72	I/O	GPIO9. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
GPIO10	T15	87	I/O	GPIO10. Can be programmed as general-purpose input, general-purpose output, or specific function. Power-up default is input.
Physical Layer Pins				
TPA0_N	L1,	29,	I/O	Twisted pair A differential signal terminals. For an unused port, TPAN and TPAP signals are left open (i.e., TSB43CA42 for Port 2).
TPA1_N	N1,	36,		
TPA2_N	N1,	42,		
TPA0_P	R1,	30,		
TPA1_P	L2,	37,		
TPA2_P	N2, R2	43,		
TPB0_N	K1,	25,	I/O	Twisted pair B differential signal terminals. For an unused port, TPBN and TPBP signals are left open (i.e., TSB43CA42 for Port 2).
TPB1_N	M1,	33,		
TPB2_N	P1,	39,		
TPB0_P	K2,	26,		
TPB1_P	M2,	34,		
TPB2_P	P2	40,		
TPBIAS0	L3,	31,	I/O	Twisted pair bias output. These signals provide the 1.86-V nominal bias voltage needed for proper operation of the twisted pair driver and receivers for signaling an active connection to a remote node. For an unused port, TPBIAS is left unconnected (i.e., TSB43CA42 for Port 2).
TPBIAS1	N3,	38,		
TPBIAS2	T1	44,		

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
HSDI0_D4	A10	149	I/O	HSDI port 0 data 4 pin This signal is output to HSDI0_D4 in pass-through mode.
HSDI0_D5	D10	150	I/O	HSDI port 0 data 5 pin This signal is output to HSDI0_D5 in pass-through mode.
HSDI0_D6	C10	151	I/O	HSDI port 0 data 6 pin This signal is output to HSDI0_D6 in pass-through mode.
HSDI0_D7	B10	152	I/O	HSDI port 0 data 7 pin. Data 0 is the most significant bit on the HSDI data bus. This signal is output to HSDI0_D7 in pass-through mode.
HSDI0_DVALIDz	C12	142	I/O	HSDI port 0 data valid pin. Programmable. Default active high. This pin indicates if data on the HSDI data bus is valid for reading or writing. For transmit to 1394, this signal is provided by the system with the data. For receive from 1394, iCeLynx-Micro provides this signal with the data. For HSDI DV modes, this signal is used as HSDI0_FrameSync indicating DV frame boundary. This signal is output to HSDI0_DVALIDz in pass-through mode if not used in transmit mode, this signal is pulled low.
HSDI0_ENz	C13	139	I	HSDI port 0 enable. Programmable. Default active low. Input by the system to enable the HSDI for both transmit to and receive from 1394. If not used, this signal is pulled enabled (low or high depending on the polarity set). The application can use HSDI_DVALID or HSDI_SYNC to validate the HSDI data. This signal is used as HSDI0_MLPCM_LRCLK for DVD-audio transmit.
HSDI0_SYNCz	A13	141	I/O	HSDI port 0 sync signal. Programmable. Default active high. This signal indicates the start of packet. For transmit to 1394, this signal is provided by the system with the data. For receive from 1394, iCeLynx-Micro provides this signal with the data. This signal is output to HSDI0_SYNCz in pass-through mode. If not used in transmit mode, this signal is pulled low or high depending on the polarity.
High Speed Data Interface (HSDI) Port 1 Pins				
HSDI1_AMCLK_IN	B5	169	I	Audio master clock input. This clock is used to decode the bi-phase encoding of 60958 data. This pin also inputs the 1.5 x BCK for flow control mode. MLPCM interface, HSDI1 audio port, and HSDI1 video port share IsoP-attBuffer 1. Only one interface can access the buffer at a time.
HSDI1_AMCLK_OUT	C5	170	O	Audio master clock output. This clock is derived from the VCO_CLK input. 60958 data output from iCeLynx-Micro is bi-phase encoded using this clock.
HSDI1_AUDIO_ERR	A4	171	O	Audio error signal. iCeLynx-Micro asserts this signal whenever an audio error condition occurs. (Receive from 1394 only.)
HSDI1_AUDIO_MUTE	B4	172	O	Audio mute status. iCeLynx-Micro asserts this signal whenever an audio mute condition has occurred, and hardware has muted the HSDI1 audio interface. (Receive from 1394 only.)
HSDI1_60958_IN	C4	173	I	60958 data input
HSDI1_60958_OUT	A3	174	O	60958 data output This signal is also used as FLWCTRL_DVALID in flow control data valid mode.

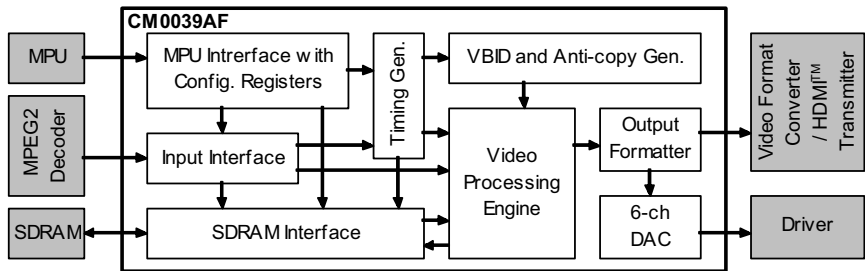
[PI01] QI01 : TSB43CA42PGF

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
HSDI1_AVz	C9	155	O	HSDI port 1 available. Programmable. Default active low. For receive from 1394, this signal indicates if a 1394 packet is available in the receive buffer for reading. The HSDI_AV signal for MPEG2 data also depends on time stamp based release. For transmit to 1394, this signal indicates the buffer level in HSDI TX modes 8 and 9 by programming a CFR. This pin indicates buffer level in transmit mode by programming a CFR. If the buffer level is above a programmed level, HSDI_AV is asserted.
HSDI1_CLKz	A9	153	I/O	HSDI port 1 clock. Programmable. Default rising edge sample. This clock is used to operate the HSDI port 1 logic. In parallel mode, the maximum clock is 27 MHz. In serial mode, the maximum clock is 70 MHz. This signal is used as HSDI1_SACD_BCLK for SACD transmit and receive. MLPCM interface, HSDI1 audio port, and HSDI1 video port share IsoPathBuffer_1. Only one interface can access the buffer at a time.
HSDI1_D0	B8	158	I/O	HSDI port 1 data 0 pin. Data 0 is the least significant bit on the HSDI data bus. In serial mode, only HSDI0_D0 is used. This signal is used as HSDI1_SACD_D0 for SACD transmit and receive.
HSDI1_D1	D8	159	I/O	HSDI port 1 data 1 pin This signal is used as HSDI1_SACD_D1 for SACD transmit and receive.
HSDI1_D2	C7	163	I/O	HSDI port 1 data 2 pin This signal is used as HSDI1_SACD_D2 for SACD transmit and receive.
HSDI1_D3	D7	164	I/O	HSDI port 1 data 3 pin This signal is used as HSDI1_SACD_D3 for SACD transmit and receive.
HSDI1_D4	A6	165	I/O	HSDI port 1 data 4 pin This signal is used as HSDI1_SACD_D4 for SACD transmit and receive.
HSDI1_D5	B6	166	I/O	HSDI port 1 data 5 pin This signal is used as HSDI1_SACD_D5 for SACD transmit and receive.
HSDI1_D6	C6	167	I/O	HSDI port 1 data 6 pin This signal is used as HSDI1_SACD_A for SACD transmit and receive.
HSDI1_D7	A5	168	I/O	HSDI port 1 data 7 pin. Data 0 is the most significant bit on the HSDI data bus.
HSDI1_DVALIDz	A8	157	I/O	HSDI port 1 data valid pin. Programmable. Default active high. This pin indicates if data on the HSDI data bus valid for reading or writing. For transmit to 1394, this signal is provided by the system with the data. For receive from 1394, iotLynx-Micro provides this signal with the data. For HSDI DV modes, this signal is used as HSDI0_FrameSync indicating DV frame boundary. If not used in transmit mode, this signal is pulled low.
HSDI1_ENz	D9	154	I	HSDI port 1 enable. Programmable. Default active low. Input by the system to enable the HSDI for both transmit to and receive from 1394. If not used, this signal is pulled enabled (low or high depending on the polarity set). The application can use HSDI_DVALID or HSDI_SYNC to validate the HSDI data.

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
TEST_MODE2	P7	57	I/O	Test mode. Used for internal Texas Instruments testing. Must be pulled low for normal operation.
TEST_MODE3	R7	58	I/O	Test mode. Used for internal Texas Instruments testing. Must be pulled low for normal operation.
TEST4	R9	67	I/O	Factory test pin. Must tie to low for normal operation. Recommend connection to ground through a 1-k Ω resistor.
TEST5	T9	68	I/O	Factory test pin. Must tie to low for normal operation. Recommend connection to ground through a 1-k Ω resistor.

Terminal Name	Terminal Number		I/O	Description
	BGA	QFP		
HSDI1_SYNCz	B9	156	I/O	HSDI port 1 sync signal. Programmable. Default active high. This signal indicates the start of a packet. For transmit to 1394, this signal is provided by the system with the data. For receive from 1394, iotLynx-Micro provides this signal with the data. If not used in transmit mode, this signal is pulled low or high depending on the polarity. This signal is used as HSDI1_SACD_FRAME for SACD transmit and receive.
DVD-Audio Interface Pins				
MLPCM_A	G3	14	I/O	Audio MLPCM interface ancillary data. Ancillary data is input/output using this pin. For DVD-Audio, MLPCM_LRCLK determines if ancillary left or ancillary right data is present. This signal also functions as FLWCTL_A in flow control mode.
MLPCM_BCLK	E1	9	I/O	Audio MLPCM interface bit clock. Multiple functions: • DVD audio BCK (I) • DVD audio BCK (O) • Flow control BCK (I/O) MLPCM interface, HSDI1 audio port, and HSDI1 video port share IsoPathBuffer_1. Only one interface can access the buffer at a time.
MLPCM_D0	F2	11	I/O	Audio MLPCM interface D0. Contains channel 1 and channel 2 information. MLPCM_LRCLK determines which channel is present. This signal also functions as FLWCTL_D0 in flow control mode.
MLPCM_D1	F1	12	I/O	Audio MLPCM interface D1. Contains channel 3 and channel 4 information. MLPCM_LRCLK determines which channel is present. This signal also functions as FLWCTL_D0 in flow control mode.
MLPCM_D2	G4	13	I/O	Audio MLPCM interface D2. Contains channel 5 and channel 6 information. MLPCM_LRCLK determines which channel is present. This signal also functions as FLWCTL_D0 in flow control mode.
MLPCM_LRCLK	F3	10	I/O	Audio MLPCM interface left-right clock. Multiple functions: • DVD audio LRCLK (I) • DVD audio LRCLK (O) • Flow control LRCLK (I/O)
Audio Phase Lock Loops Pins				
DIV_VCO	E3	7	O	Output for external phase detector. This signal is the divided VCO_CLK. It used by the external phase detector to compare with the REF_SYT signal. The divide ratios are setup in CFR.
PLL_TEST	E2	8	O	PLL test. This signal is used for internal Texas Instruments testing and must be unconnected for normal operation.
REF_SYT	D1	6	O	Output for external phase detector. This signal represents the SYT match for received audio or DV packets. The phase detector uses it as input to detect differences between the SYT match and the VCO clock.
VCO_CLK	D2	5	I	Input from VCO. This signal generates internal audio and DV clocks for receive clock recovery. Audio frequency: 33.868 MHz or 36.864 MHz. DV frequency: 30.72 MHz, 27 MHz
Test Mode Pins				
TEST_MODE0	C2	2	I/O	Test mode. Used for internal Texas Instruments testing. Must be pulled low for normal operation.
TEST_MODE1	C1	3	I/O	Test mode. Used for internal Texas Instruments testing. Must be pulled low for normal operation.

[PM01] QK01 : CM0039AF



**Pin Assignment
of
CM0039AF**

DQ0	132	VSS	133	88	VDDE
WE	131	VDDI	134	87	VDDI
CAS	130	VDDE	135	86	DO15
RAS	129	MD8	136	85	DO14
VSS	128	MD7	137	84	DO13
MCLK	127	MD9	138	83	DO12
VDDE	126	MD6	139	82	DO11
VDDI	125	VSS	140	81	DO10
VSS	124	VDDI	141	80	DO9
MA11	123	VDDE	142	79	DO8
MA10	122	MD10	143	78	VSS
MA9	121	MD5	144	77	VDDI
MA8	120	MD11	145	76	VDDE
MA0	119	MD4	146	75	DO7
MA7	118	VSS	147	74	DO6
VDDE	117	VDDI	148	73	DO5
VSS	116	VDDE	149	72	DO4
VSS	115	MD12	150	71	DO3
MA1	114	MD3	151	70	DO2
MA6	113	MD13	152	69	DO1
MA2	112	MD2	153	68	DO0
MA5	111	VSS	154	67	VSS
MA3	110	VDDI	155	66	VDDI
MA4	109	VDDE	156	65	VDDE
VDDE	108	MD14	157	64	DE
VDDI	107	MD1	158	63	FLD
VSS	106	MD15	159	62	NVSO
MD16	105	MD0	160	61	NHSO
MD17	104	VSS	161	60	FILM
MD18	103	SDA	162	59	RFFO
MD19	102	VDDI	163	58	VSS
VDDE	101	VDDE	164	57	CLMP1
VSS	100	SCL	165	56	CLMP2
CLKO	99	VDDE	166	55	VDDI
VDDI	98	VSS	167	54	VDDE
DO23	97	SLV	168	53	TEST6
DO22	96	N.C.	169	52	TEST5
DO21	95	VSS	170	51	TEST4
DO20	94	RFFI	171	50	TEST3
DO19	93	NRST	172	49	TEST2
DO18	92	VDDE	173	48	DAGND
DO17	91	VDDI	174	47	DAVREFIN
DO16	90	VSS	175	46	DAVREFOUT
VSS	89	TPCP	176	45	DACOUT
		D10	1		DAVDD
		D11	2		
		D12	3		
		D13	4		
		D14	5		
		D15	6		
		D16	7		
		D17	8		
		D18	9		
		D19	10		
		VDDE	11		
		VDDI	12		
		CLKI	13		
		VSS	14		
		PLL_VDD	15		
		S	16		
		PLL_GND	17		
		VSS	18		
		VSS	19		
		TEST0	20		
		TEST1	21		
		VSS	22		
		VDD18	23		
		VDD33	24		
		DAGND7	25		
		DAGND6	26		
		DAOUT6	27		
		DAVDD6	28		
		DAGND5	29		
		DAOUT5	30		
		DAVDD5	31		
		DAGND4	32		
		DAOUT4	33		
		DAVDD4	34		
		DAGND3	35		
		DAOUT3	36		
		DAVDD3	37		
		DAGND2	38		
		DAOUT2	39		
		DAVDD2	40		
		DAGND1	41		
		DAOUT1	42		
		DAVDD1	43		
		DAVDD	44		

No.	Pin name	I/O ³	Attribute	Description
1	DI0	IN	CMOS	Image data input pin (LSB). Connect it to the ground for 8-bit data input.
2	DI1	IN	CMOS	Image data input pin. Connect it to the ground for 8-bit data input.
3	DI2	IN	CMOS	Image data input pin.
4	DI3	IN	CMOS	Image data input pin.
5	DI4	IN	CMOS	Image data input pin.
6	DI5	IN	CMOS	Image data input pin.
7	DI6	IN	CMOS	Image data input pin.
8	DI7	IN	CMOS	Image data input pin.
9	DI8	IN	CMOS	Image data input pin.
10	DI9	IN	CMOS	Image data input pin (MSB). Start from the MSB when inputting 8-bit data.
11	VDDE	P	-	VDD for IO (+ 3.3 V).
12	VDDI	P	-	VDD for Core (+ 1.8 V).
13	CLKI	IN	CMOS	27 MHz system clock input pin.
14	VSS	P	-	Digital ground.
15	PLL_VDD	P	-	VDD exclusively for PLL (+ 1.8 V). Separation from VDD for Core (+ 1.8 V) is recommended.
16	S	IN	CMOS	PLL enable input pin. Set it to High after power supply voltage and CLKI are stably supplied.
17	PLL_GND	P	-	Ground exclusively for PLL. Separation from the digital ground is recommended.
18	VSS	P	-	Digital ground.
19	VSS	P	-	Digital ground.
20	TEST0	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.
21	TEST1	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.
22	VSS	P	-	Digital ground.
23	VDD18	P	-	Digital VDD (+ 1.8 V) exclusively for DAC. Share the power source with VDD (+ 1.8 V) for Core.
24	VDD33	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
25	DAGND7	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
26	DAGND6	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
27	DAOUT6	OUT	Analog	Analog video image output pin (Pr/R). Connect it to the emitter-follower circuit.
28	DAVDD6	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
29	DAGND5	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
30	DAOUT5	OUT	Analog	Analog video image output pin (Pb/B). Connect it to the emitter-follower circuit.
31	DAVDD5	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
32	DAGND4	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.

No.	Pin name	I/O ³	Attribute	Description
33	DAOUT4	OUT	Analog	Analog video image output pin (Y/G). Connect it to the emitter-follower circuit.
34	DAVDD4	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
35	DAGND3	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
36	DAOUT3	OUT	Analog	Analog video image output pin (YC-C). Connect it to the emitter-follower circuit.
37	DAVDD3	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
38	DAGND2	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
39	DAOUT2	OUT	Analog	Analog video image output pin (YC-Y). Connect it to the emitter-follower circuit.
40	DAVDD2	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
41	DAGND1	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
42	DAOUT1	OUT	Analog	Analog video image output pin (CVBS) Connect it to the emitter-follower circuit.
43	DAVDD1	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
44	DAVDD	P	-	Analog VDD (+ 3.3 V) exclusively for DAC. Separate it from VDD (+ 3.3 V) for IO.
45	DACOUT	OUT	Analog	Pin connecting capacitor for compensation of DAC internal reference voltage. Connect it to the analog VDD via the 0.1 μ F capacitor.
46	DAVREFOUT	OUT	Analog	Resistance connect pin for setting the DAC internal current. Connect it to the analog ground via a high-accuracy 10 k Ω resistance with an error of 1% or lower.
47	DAVREFIN	IN	Analog	DAC reference voltage input pin.
48	DAGND	P	-	Analog ground exclusively for DAC. Separate it from the digital ground.
49	TEST2	IN	CMOS	Input pin exclusively for testing. Connect to VDD (+ 3.3 V) for IO.
50	TEST3	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.
51	TEST4	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.
52	TEST5	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.
53	TEST6	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.
54	VDDE	P	-	VDD for IO (+ 3.3 V).
55	VDDI	P	-	VDD for Core (+ 1.8 V).
56	CLMP2	OUT	CMOS	Clamp pulse output pin for YPbPr / RGB output signal. Keep it open when not in use.
57	CLMP1	OUT	CMOS	Clamp pulse output pin for CVBS / YC output signal. Keep it open when not in use.
58	VSS	P	-	Digital ground.
59	RFFO	OUT	CMOS	MPEG information (repeat-first-field flag) output pin. Keep it open when not in use.
60	FILM	OUT	CMOS	Film detection flag output pin. Keep it open when not in use.
61	NHSO	OUT	CMOS	Horizontal synchronous output pin for digital output image data. Keep it open when not in use.
62	NVSO	OUT	CMOS	Vertical synchronous output pin for digital output image data. Keep it open when not in use.
63	FLD	OUT	CMOS	Field flag signal output pin for digital output image data. Keep it open when not in use.

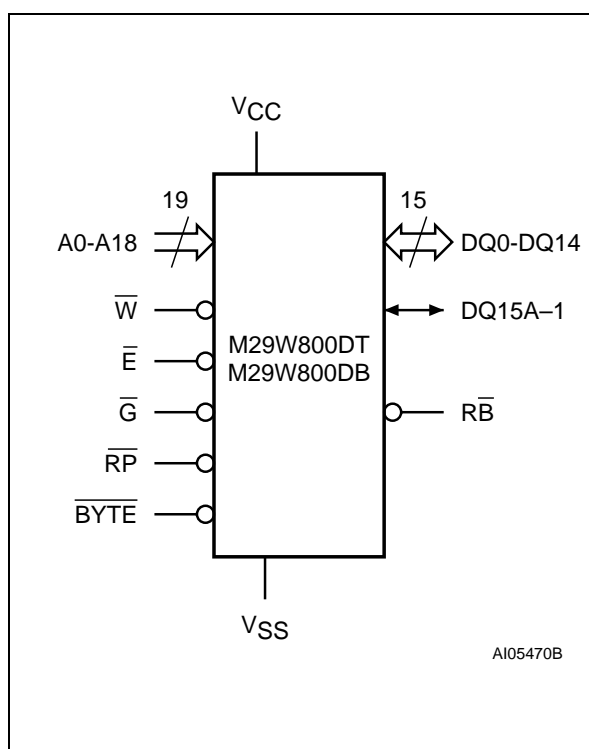
No.	Pin name	I/O ³	Attribute	Description
64	DE	OUT	CMOS	Data enable signal output pin for digital output image data. Keep it open when not in use.
65	VDDE	P	-	VDD for IO (+ 3.3 V).
66	VDDI	P	-	VDD for Core (+ 1.8 V).
67	VSS	P	-	Digital ground.
68	DO0	OUT	CMOS	Digital image data output pin.
69	DO1	OUT	CMOS	Digital image data output pin.
70	DO2	OUT	CMOS	Digital image data output pin.
71	DO3	OUT	CMOS	Digital image data output pin.
72	DO4	OUT	CMOS	Digital image data output pin.
73	DO5	OUT	CMOS	Digital image data output pin.
74	DO6	OUT	CMOS	Digital image data output pin.
75	DO7	OUT	CMOS	Digital image data output pin.
76	VDDE	P	-	VDD for IO (+ 3.3 V).
77	VDDI	P	-	VDD for Core (+ 1.8 V).
78	VSS	P	-	Digital ground.
79	DO8	OUT	CMOS	Digital image data output pin.
80	DO9	OUT	CMOS	Digital image data output pin.
81	DO10	OUT	CMOS	Digital image data output pin.
82	DO11	OUT	CMOS	Digital image data output pin.
83	DO12	OUT	CMOS	Digital image data output pin.
84	DO13	OUT	CMOS	Digital image data output pin.
85	DO14	OUT	CMOS	Digital image data output pin.
86	DO15	OUT	CMOS	Digital image data output pin.
87	VDDI	P	-	VDD for Core (+ 1.8 V).
88	VDDE	P	-	VDD for IO (+ 3.3 V).
89	VSS	P	-	Digital ground.
90	DO16	OUT	CMOS	Digital image data output pin.
91	DO17	OUT	CMOS	Digital image data output pin.
92	DO18	OUT	CMOS	Digital image data output pin.
93	DO19	OUT	CMOS	Digital image data output pin.
94	DO20	OUT	CMOS	Digital image data output pin.
95	DO21	OUT	CMOS	Digital image data output pin.
96	DO22	OUT	CMOS	Digital image data output pin.
97	DO23	OUT	CMOS	Digital image data output pin.
98	VDDI	P	-	VDD for Core (+ 1.8 V).
99	CLKO	OUT	CMOS	Clock output pin for digital output image data.
100	VSS	P	-	Digital ground.
101	VDDE	P	-	VDD for IO (+ 3.3 V).
102	MD19	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin. Keep it open in standard image quality mode.
103	MD18	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin. Keep it open in standard image quality mode.
104	MD17	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin. Keep it open in standard image quality mode.
105	MD16	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin. Keep it open in standard image quality mode.
106	VSS	P	-	Digital ground.
107	VDDI	P	-	VDD for Core (+ 1.8 V).
108	VDDE	P	-	VDD for IO (+ 3.3 V).
109	MA4	OUT	CMOS	SDRAM address output pin.
110	MA3	OUT	CMOS	SDRAM address output pin.
111	MA5	OUT	CMOS	SDRAM address output pin.
112	MA2	OUT	CMOS	SDRAM address output pin.
113	MA6	OUT	CMOS	SDRAM address output pin.
114	MA1	OUT	CMOS	SDRAM address output pin.
115	VSS	P	-	Digital ground.
116	VDDI	P	-	VDD for Core (+ 1.8 V).
117	VDDE	P	-	VDD for IO (+ 3.3 V).
118	MA7	OUT	CMOS	SDRAM address output pin.
119	MA0	OUT	CMOS	SDRAM address output pin.
120	MA8	OUT	CMOS	SDRAM address output pin.
121	MA10	OUT	CMOS	SDRAM address output pin.

No.	Pin name	I/O ³	Attribute	Description
122	MA9	OUT	CMOS	SDRAM address output pin.
123	MA11	OUT	CMOS	SDRAM address output pin.
124	VSS	P	-	Digital ground.
125	VDDI	P	-	VDD for Core (+ 1.8 V).
126	VDDE	P	-	VDD for IO (+ 3.3 V).
127	MCLK	OUT	CMOS	SDRAM 54 MHz clock output pin.
128	VSS	P	-	Digital ground.
129	RAS	OUT	CMOS	SDRAM Row Address Strobe command output pin.
130	CAS	OUT	CMOS	SDRAM Column Address Strobe command output pin.
131	WE	OUT	CMOS	SDRAM Write Enable command output pin.
132	DQM	OUT	CMOS	SDRAM DQM output pin.
133	VSS	P	-	Digital ground.
134	VDDI	P	-	VDD for Core (+ 1.8 V).
135	VDDE	P	-	VDD for IO (+ 3.3 V).
136	MD8	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
137	MD7	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
138	MD9	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
139	MD6	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
140	VSS	P	-	Digital ground.
141	VDDI	P	-	VDD for Core (+ 1.8 V).
142	VDDE	P	-	VDD for IO (+ 3.3 V).
143	MD10	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
144	MD5	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
145	MD11	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
146	MD4	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
147	VSS	P	-	Digital ground.
148	VDDI	P	-	VDD for Core (+ 1.8 V).
149	VDDE	P	-	VDD for IO (+ 3.3 V).
150	MD12	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
151	MD3	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
152	MD13	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
153	MD2	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
154	VSS	P	-	Digital ground.
155	VDDI	P	-	VDD for Core (+ 1.8 V).
156	VDDE	P	-	VDD for IO (+ 3.3 V).
157	MD14	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
158	MD1	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
159	MD15	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
160	MD0	INOUT	CMOS Pull-Up(33kΩ)	SDRAM data input / output pin.
161	VSS	P	-	Digital ground.
162	SDA	INOUT	CMOS, Schmitt 3.3V Tolerant Fail-Safe Open-Drain	MPU interface data input / output pin.
163	VDDI	P	-	VDD for Core (+ 1.8 V).
164	VDDE	P	-	VDD for IO (+ 3.3 V).

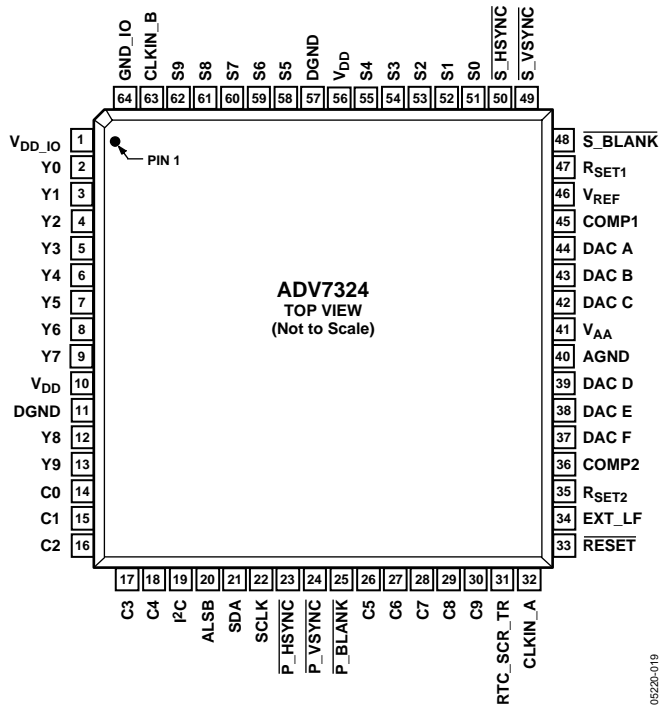
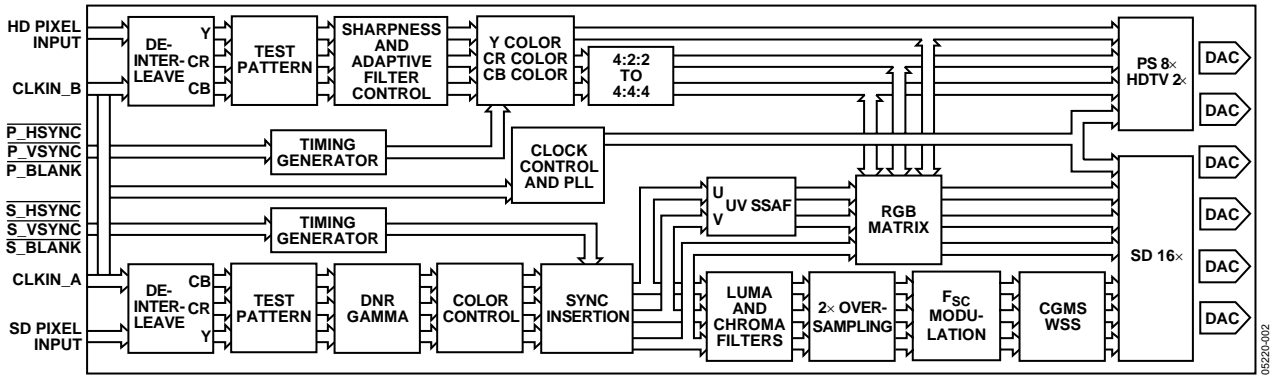
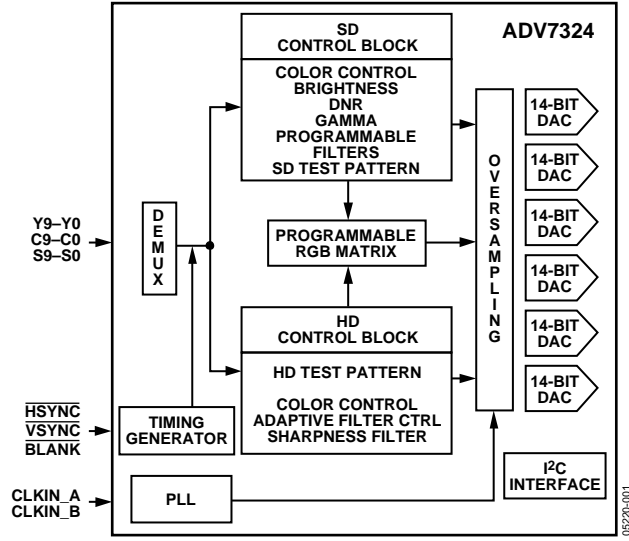
[PM01] QK01 : CM0039AF

No.	Pin name	I/O ³	Attribute	Description
165	SCL	IN	CMOS, Schmitt 3.3V Tolerant Fail-Safe	MPU interface clock input pin.
166	VDDE	P	-	VDD for IO (+ 3.3 V).
167	VSS	P	-	Digital ground.
168	SLV	IN	CMOS	MPU interface slave address switch pin. See Table 11-2.
169	N.C.	OUT	-	Keep it open.
170	VSS	P	-	Digital ground.
171	RFFI	IN	CMOS	MPEG information (repeat-first-field flag) input pin. Connect it to the ground when not in use.
172	NRST	IN	CMOS, Schmitt	System reset input pin (Low Active)
173	VDDE	P	-	VDD for IO (+ 3.3 V).
174	VDDI	P	-	VDD for Core (+ 1.8 V).
175	VSS	P	-	Digital ground.
176	TPCP	IN	CMOS	Input pin exclusively for testing. Connect it to the ground.

[PM01] QJ50: M29W800DT70N1



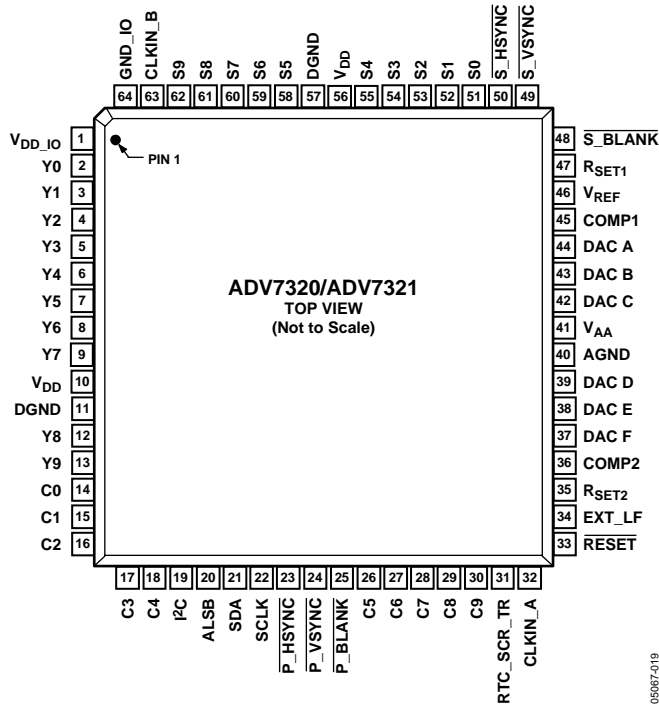
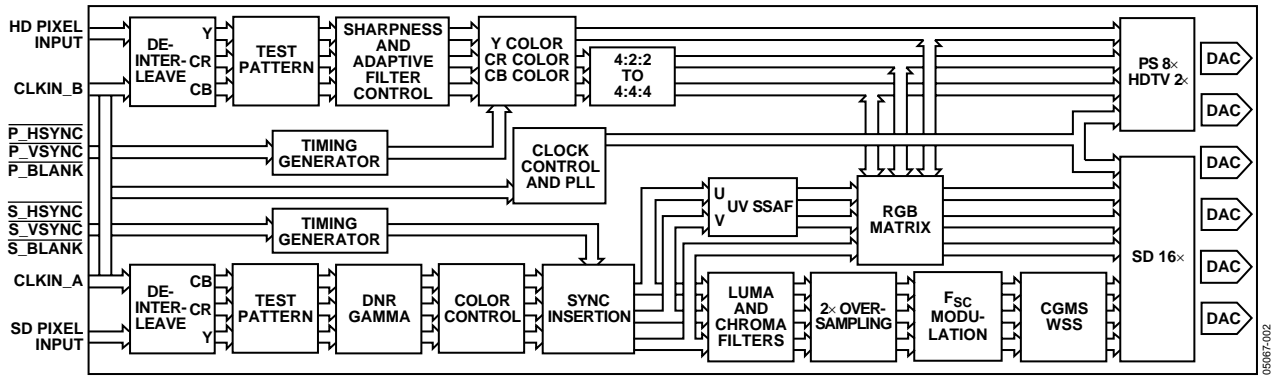
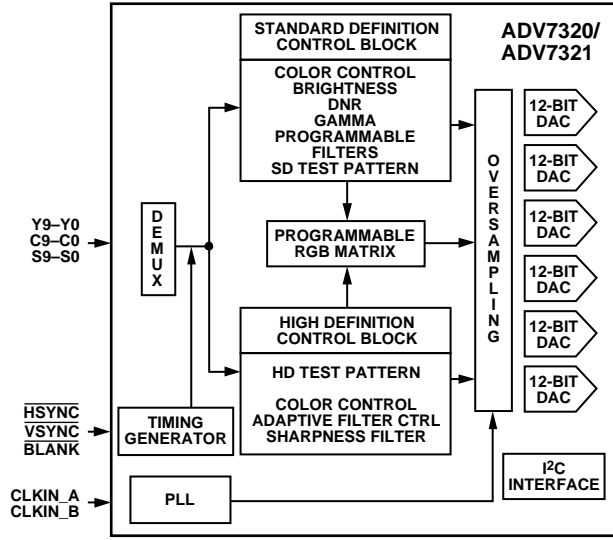
A0-A18	Address Inputs
DQ0-DQ7	Data Inputs/Outputs
DQ8-DQ14	Data Inputs/Outputs
DQ15A-1	Data Input/Output or Address Input
\bar{E}	Chip Enable
\bar{G}	Output Enable
\bar{W}	Write Enable
\bar{RP}	Reset/Block Temporary Unprotect
\bar{RB}	Ready/Busy Output (not available on SO44 package)
\bar{BYTE}	Byte/Word Organization Select
Vcc	Supply Voltage
Vss	Ground
NC	Not Connected Internally



[PM01] QM01 : ADV7324

Pin No.	Mnemonic	Input/Output	Description
11, 57	DGND	G	Digital Ground.
40	AGND	G	Analog Ground.
32	CLKIN_A	I	Pixel Clock Input for HD Only (74.25 MHz), PS Only (27 MHz), and SD Only (27 MHz).
63	CLKIN_B	I	Pixel Clock Input. Requires a 27 MHz reference clock for PS mode or a 74.25 MHz (74.1758 MHz) reference clock in HDTV mode. This clock is only used in dual modes.
45, 36	COMP1, 2	O	Compensation Pin for DACs. Connect 0.1 μ F capacitor from COMP pin to V _{AA} .
44	DAC A	O	CVBS/Green/Y/Y Analog Output.
43	DAC B	O	Chroma/Blue/U/Pb Analog Output.
42	DAC C	O	Luma/Red/V/Pr Analog Output.
39	DAC D	O	In SD Only Mode: CVBS/Green/Y Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Y/Green [HD] Analog Output.
38	DAC E	O	In SD Only Mode: Luma/Blue/U Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Pr/Red Analog Output.
37	DAC F	O	In SD Only Mode: Chroma/Red/V Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Pb/Blue [HD] Analog Output.
23	P_HSYNC	I	Video Horizontal Sync Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
24	P_VSYNC	I	Video Vertical Sync Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
25	P_BLANK	I	Video Blanking Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
48	S_BLANK	I/O	Video Blanking Control Signal for SD Only.
49	S_VSYNC	I/O	Video Vertical Sync Control Signal for SD Only.
50	S_HSYNC	I/O	Video Horizontal Sync Control Signal for SD Only.
13,12, 9 to 2	Y9 to Y0	I	SD or PS/HDTV Input Port for Y Data. Input port for interleaved PS data. The LSB is set up on Pin Y0. For 8-bit data input, LSB is set up on Y2.
30 to 26, 18 to 14	C9 to C0	I	PS/HDTV Input Port 4:4:4 Input Mode. This port is used for the Cb[Blue/U] data. The LSB is set up on Pin C0. For 8-bit data input, LSB is set up on C2.
62 to 58, 55 to 51	S9 to S0	I	SD or PS/HDTV Input Port for Cr[Red/V] Data in 4:4:4 Input Mode. LSB is set up on Pin S0. For 8-bit data input, LSB is set up on S2.

Pin No.	Mnemonic	Input/Output	Description
33	RESET	I	This input resets the on-chip timing generator and sets the ADV7324 to its default register setting. RESET is an active low signal.
47, 35	RSET1, RSET2	I	A 3040 Ω resistor must be connected from this pin to AGND and is used to control the amplitudes of the DAC outputs.
22	SCLK	I	I ² C Port Serial Interface Clock Input.
21	SDA	I/O	I ² C Port Serial Data Input/Output.
20	ALSB	I	TTL Address Input. This signal sets up the LSB of the I ² C address. When this pin is tied low, the I ² C filter is activated, which reduces noise on the I ² C interface.
1	V _{DD_IO}	P	Power Supply for Digital Inputs and Outputs.
10, 56	V _{DD}	P	Digital Power Supply.
41	V _{AA}	P	Analog Power Supply.
46	V _{REF}	I/O	Optional External Voltage Reference Input for DACs or Voltage Reference Output (1.235 V).
34	EXT_LF	I	External Loop Filter for the Internal PLL.
31	RTC_SCR_TR	I	Multifunctional Input. Real-time control (RTC) input, timing reset input, subcarrier reset input.
19	I ² C	I	This input pin must be tied high (V _{DD_IO}) for the ADV7324 to interface over the I ² C port.
64	GND_IO		Digital Input/Output Ground.



[PM01] QN01 : ADV7320

Pin No.	Mnemonic	Input/Output	Description
11, 57	DGND	G	Digital Ground.
40	AGND	G	Analog Ground.
32	CLKIN_A	I	Pixel Clock Input for HD (74.25 MHz Only, PS Only (27 MHz), SD Only (27 MHz).
63	CLKIN_B	I	Pixel Clock Input. Requires a 27 MHz reference clock for progressive scan mode or a 74.25 MHz (74.1758 MHz) reference clock in HDTV mode. This clock is only used in dual modes.
45, 36	COMP1, COMP2	O	Compensation Pin for DACs. Connect 0.1 μ F capacitor from COMP pin to V _{AA} .
44	DAC A	O	CVBS/Green/Y/Y Analog Output.
43	DAC B	O	Chroma/Blue/U/Pb Analog Output.
42	DAC C	O	Luma/Red/V/Pr Analog Output.
39	DAC D	O	In SD Only Mode: CVBS/Green/Y Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Y/Green [HD] Analog Output.
38	DAC E	O	In SD Only Mode: Luma/Blue/U Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Pr/Red Analog Output.
37	DAC F	O	In SD Only Mode: Chroma/Red/V Analog Output; in HD Only Mode and Simultaneous HD/SD Mode: Pb/Blue [HD] Analog Output.
23	$\overline{P_HSYNC}$	I	Video Horizontal Sync Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
24	$\overline{P_VSYNC}$	I	Video Vertical Sync Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
25	$\overline{P_BLANK}$	I	Video Blanking Control Signal for HD in Simultaneous SD/HD Mode and HD Only Mode.
48	$\overline{S_BLANK}$	I/O	Video Blanking Control Signal for SD Only.
49	$\overline{S_VSYNC}$	I/O	Video Vertical Sync Control Signal for SD Only.
50	$\overline{S_HSYNC}$	I/O	Video Horizontal Sync Control Signal for SD Only.
13,12, 9-2	Y9 to Y0	I	SD or Progressive Scan/HDTV Input Port for Y Data. Input port for interleaved progressive scan data. The LSB is set up on Pin Y0. For 8-bit data input, LSB is set up on Y2.
30-26, 18-14	C9 to C0	I	Progressive Scan/HDTV Input Port 4:4:4 Input Mode. This port is used for the Cb[Blue/U] data. The LSB is set up on Pin C0. For 8-bit data input, LSB is set up on C2.

Pin No.	Mnemonic	Input/Output	Description
62-58, 55-51	S9 to S0	I	SD or Progressive Scan/HDTV Input Port for Cr[Red/V] Data in 4:4:4 Input Mode. LSB is set up on Pin S0. For 8-bit data input, LSB is set up on S2.
33	RESET	I	This input resets the on-chip timing generator and sets the ADV7320/ADV7321 into default register setting. RESET is an active low signal.
47, 35	RSET1, RSET2	I	A 3040 Ω resistor must be connected from this pin to AGND and is used to control the amplitudes of the DAC outputs.
22	SCLK	I	I ² C Port Serial Interface Clock Input.
21	SDA	I/O	I ² C Port Serial Data Input/Output.
20	ALSB	I	TTL Address Input. This signal sets up the LSB of the I ² C address. When this pin is tied low, the I ² C filter is activated, which reduces noise on the I ² C interface.
1	V _{DD_IO}	P	Power Supply for Digital Inputs and Outputs.
10, 56	V _{DD}	P	Digital Power Supply.
41	V _{AA}	P	Analog Power Supply.
46	V _{REF}	I/O	Optional External Voltage Reference Input for DACs or Voltage Reference Output (1.235 V).
34	EXT_LF	I	External Loop Filter for the Internal PLL.
31	RTC_SCR_TR	I	Multifunctional Input. Real-time control (RTC) input, timing reset input, subcarrier reset input.
19	I ² C	I	This input pin must be tied high (V _{DD_IO}) for the ADV7320/ADV7321 to interface over the I ² C port.
64	GND_IO		Digital Input/Output Ground.

SiI 9030 Features

PanelLink Cinema Transmitter

Industry-Standard Compliance

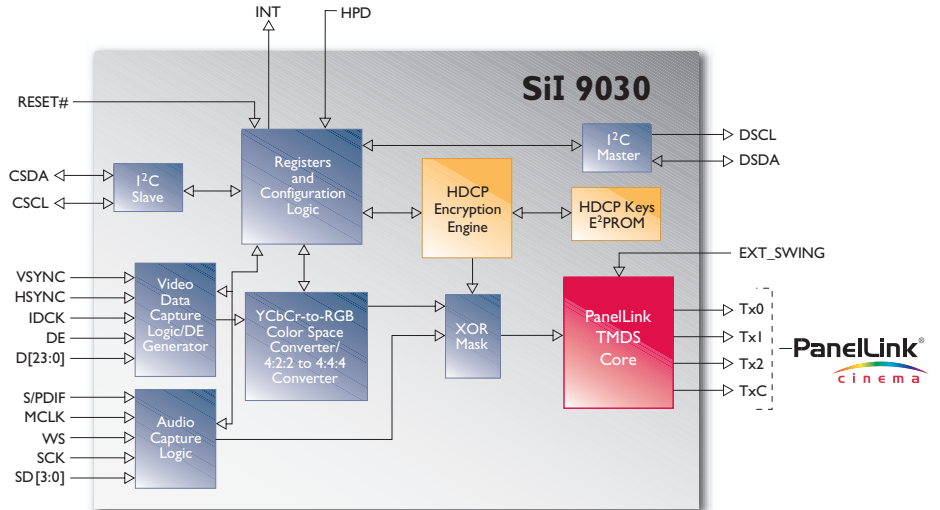
- HDMI 1.0
- DVI 1.0
- EIA/CEA-861B
- HDCP 1.1

Digital Video Output

- Integrated PanelLink® core
- Supports DTV (480i/576i/480p/576p/720p/1080i/1080p) and PC (VGA/XGA/SXGA/WSXGA) resolutions
- Flexible video interface supports DVD and HD MPEG decoders
 - 12/24-bit RGB YCbCr 4:4:4
 - 16/20/24-bit YCbCr 4:2:2
 - 8/10/12-bit YCbCr 4:2:2 (ITU-R BT.601 & BT.656)
- Integrated YCbCr ↔ RGB color space conversion
- 4:2:2 ↔ 4:4:4 up-converter
- Programmable Data Enable (DE) generator

Digital Audio Output

- DVD-Audio support thru 4xI²S inputs
- Supports 2-channel 192kHz or 8-channel 96kHz
- Supports IEC60958 2-channel PCM or IEC61937 compressed audio (Dolby Digital, DTS, etc.)
- Industry-standard S/PDIF input



Content Protection

- Integrated HDCP cipher engine
- Pre-programmed HDCP keys
 - Simplify manufacturing process
 - Most secure solution available
 - Lower system, manufacturing costs
- Encrypts both video and audio

System Operation

- Register-programmable via slave I²C interface
- Master I²C simplifies system design
- Flexible interrupt registers with interrupt pin
- Monitor detection supported through hot plug and receiver detection

Power Management

- 1.8V core provides low-power operation
- Flexible power-down modes

Silicon Image's SiI 9030 Starter Kit (CP9030HDMI)

Contents include:

Hardware

- SiI 9030 Transmitter Stand Alone Board
- HDMI to HDMI cable

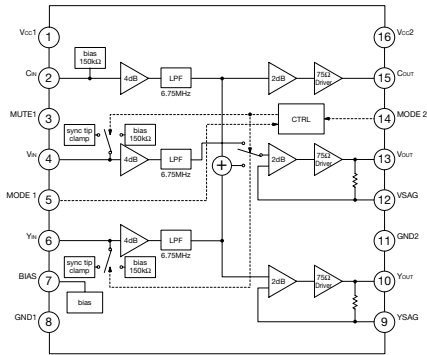
Software

- HDMI Gear Software Tool

Documentation

- User's Guide
- Schematics
- Bill of Materials (BOM)

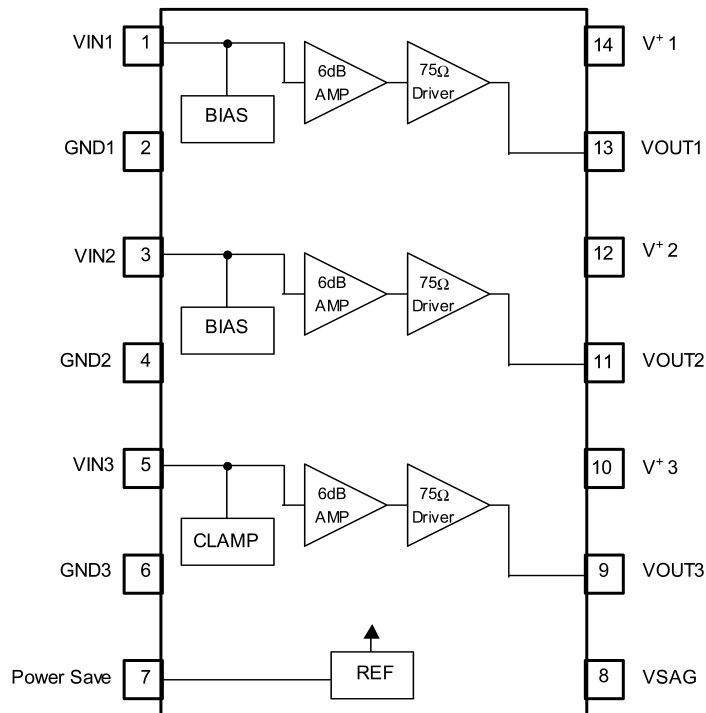
[PV01] QV01 : MM1566 (VIDEO SIGNAL DRIVER)



	Input Terminal	Input Signal (Input clamp)	Output Signal	Control Terminal		
				MUTE1	MODE1	MODE2
1	MUTE	*	MUTE	Low	*	*
	CIN	C(bias)	C	High	Low	Low
	VIN		Composite Video(Y+C)			
	YIN	Y(clamp)	Y			
2	MUTE	*	MUTE	Low	*	*
	CIN	C(bias)	C	High	High	Low
	VIN	Composite Video(clamp)	Composite Video			
	YIN	Y(clamp)	Y			
3	MUTE	*	MUTE	Low	*	*
	CIN	Cr(bias)	Cr	High	Low	High
	VIN	Cb(bias)	Cb			
	YIN	Y(clamp)	Y			
4	MUTE	*	MUTE	Low	*	*
	CIN	R(bias)	R	High	High	High
	VIN	G(bias)	G			
	YIN	B(bias)	B			

* : Don't care

[PV01] QY07 : NJM2580M (VIDEO AMP.)



PIN	MODE	NOTES
Power Save	H	Power Save: OFF
	L	Power Save: ON
	OPEN	Power Save: ON

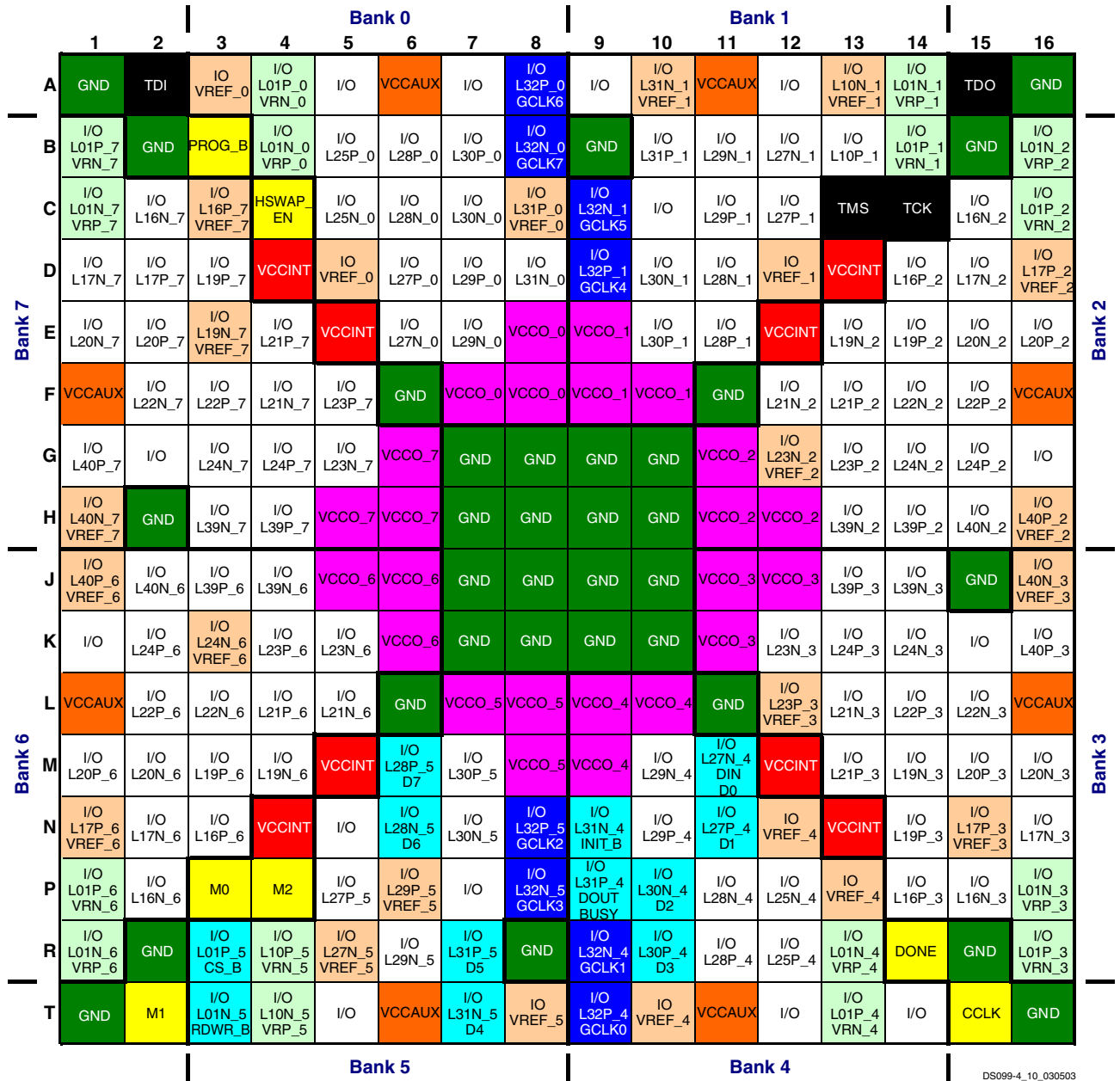


Figure 11: FT256 Package Footprint (top view)

DS099-4_10_030503

- | | | | | | |
|-----|--|----|---|----|--|
| 113 | I/O: Unrestricted, general-purpose user I/O | 12 | DUAL: Configuration pin, then possible user I/O | 24 | VREF: User I/O or input voltage reference for bank |
| 16 | DCI: User I/O or reference resistor input for bank | 8 | GCLK: User I/O or global clock buffer input | 24 | VCCO: Output voltage supply for bank |
| 7 | CONFIG: Dedicated configuration pins | 4 | JTAG: Dedicated JTAG port pins | 8 | VCCINT: Internal core voltage supply (+1.2V) |
| 0 | N.C.: No unconnected pins in this package | 32 | GND: Ground | 8 | VCCAUX: Auxiliary voltage supply (+2.5V) |

15. EXPLODED VIEW AND PARTS LIST

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
	003A		00M21AK304020	00M21AK304020	MECHANISM	SACD/DVD LOADER UNIT
	001B	F B	nsp	00M21AK248020	FRONT PANEL	FRONT PANEL DV9600 BL
	001B	F N	nsp	00M21AK248120	FRONT PANEL	FRONT PANEL DV9600 GL
	001B	/K1G	nsp	00M21AK248120	FRONT PANEL	FRONT PANEL DV9600 GL
	001B	/L1G	nsp	00M21AK248120	FRONT PANEL	FRONT PANEL DV9600 GL
	001B	/N1S	00M21AK248220	00M21AK248220	FRONT PANEL	FRONT PANEL DV9600 SL
	001B	/S1G	nsp	00M21AK248120	FRONT PANEL	FRONT PANEL DV9600 GL
	001B	/U1B	nsp	00M21AK248020	FRONT PANEL	FRONT PANEL DV9600 BL
	002B	F B	nsp	00M21AK105020	CHASSIS	FRONT CHASSIS BL
	002B	F N	nsp	00M21AK105120	CHASSIS	FRONT CHASSIS GL
	002B	/K1G	nsp	00M21AK105120	CHASSIS	FRONT CHASSIS GL
	002B	/L1G	nsp	00M21AK105120	CHASSIS	FRONT CHASSIS GL
	002B	/N1S	00M21AK105220	00M21AK105220	CHASSIS	FRONT CHASSIS SL
	002B	/S1G	nsp	00M21AK105120	CHASSIS	FRONT CHASSIS GL
	002B	/U1B	nsp	00M21AK105020	CHASSIS	FRONT CHASSIS BL
	005B		00M312J355010	00M312J355010	LENS	LENS STANDBY
	007B	F B	nsp	00M24AW251010	BADGE	BADGE MZ GL
	007B	F N	nsp	00M24AW251010	BADGE	BADGE MZ GL
	007B	/K1G	nsp	00M24AW251010	BADGE	BADGE MZ GL
	007B	/L1G	nsp	00M24AW251010	BADGE	BADGE MZ GL
	007B	/N1S	00M24AW251020	00M24AW251020	BADGE	BADGE MZ SL
	007B	/S1G	nsp	00M24AW251010	BADGE	BADGE MZ GL
	007B	/U1B	nsp	00M24AW251010	BADGE	BADGE MZ GL
	008B	F B	nsp	00M02AK251010	BADGE	BADGE SACD GL
	008B	F N	nsp	00M02AK251010	BADGE	BADGE SACD GL
	008B	/K1G	nsp	00M02AK251010	BADGE	BADGE SACD GL
	008B	/L1G	nsp	00M02AK251010	BADGE	BADGE SACD GL
	008B	/N1S	00M02AK251030	00M02AK251030	BADGE	BADGE SACD SL
	008B	/S1G	nsp	00M02AK251010	BADGE	BADGE SACD GL
	008B	/U1B	nsp	00M02AK251010	BADGE	BADGE SACD GL
	010B	F B	nsp	00M13AK270010	BUTTON	BUTTON FUNCTION BL
	010B	F N	nsp	00M13AK270110	BUTTON	BUTTON FUNCTION GL
	010B	/K1G	nsp	00M13AK270110	BUTTON	BUTTON FUNCTION GL
	010B	/L1G	nsp	00M13AK270110	BUTTON	BUTTON FUNCTION GL
	010B	/N1S	00M13AK270210	00M13AK270210	BUTTON	BUTTON FUNCTION SL
	010B	/S1G	nsp	00M13AK270110	BUTTON	BUTTON FUNCTION GL
	010B	/U1B	nsp	00M13AK270010	BUTTON	BUTTON FUNCTION BL
	011B	F B	nsp	00M21AK270010	BUTTON	BUTTON HDMI/HP BL
	011B	F N	nsp	00M21AK270110	BUTTON	BUTTON HDMI/HP GL
	011B	/K1G	nsp	00M21AK270110	BUTTON	BUTTON HDMI/HP GL
	011B	/L1G	nsp	00M21AK270110	BUTTON	BUTTON HDMI/HP GL
	011B	/N1S	00M21AK270210	00M21AK270210	BUTTON	BUTTON HDMI/HP SL
	011B	/S1G	nsp	00M21AK270110	BUTTON	BUTTON HDMI/HP GL
	011B	/U1B	nsp	00M21AK270010	BUTTON	BUTTON HDMI/HP BL
	012B	F B	nsp	00M02AK270040	BUTTON	BUTTON POWER BL
	012B	F N	nsp	00M02AK270140	BUTTON	BUTTON POWER GL
	012B	/K1G	nsp	00M02AK270140	BUTTON	BUTTON POWER GL
	012B	/L1G	nsp	00M02AK270140	BUTTON	BUTTON POWER GL
	012B	/N1S	00M02AK270240	00M02AK270240	BUTTON	BUTTON POWER SL
	012B	/S1G	nsp	00M02AK270140	BUTTON	BUTTON POWER GL
	012B	/U1B	nsp	00M02AK270040	BUTTON	BUTTON POWER BL
	020B		00M21AK158010	00M21AK158010	WINDOW	WINDOW
	021B	F B	nsp	00M21AK063020	ESCUTCHEON	ESCUTCHEON AL DV9600 BL
	021B	F N	nsp	00M21AK063120	ESCUTCHEON	ESCUTCHEON AL DV9600 GL
	021B	/K1G	nsp	00M21AK063120	ESCUTCHEON	ESCUTCHEON AL DV9600 GL
	021B	/L1G	nsp	00M21AK063120	ESCUTCHEON	ESCUTCHEON AL DV9600 GL
	021B	/N1S	00M21AK063220	00M21AK063220	ESCUTCHEON	ESCUTCHEON AL DV9600 SL
	021B	/S1G	nsp	00M21AK063120	ESCUTCHEON	ESCUTCHEON AL DV9600 GL
	021B	/U1B	nsp	00M21AK063020	ESCUTCHEON	ESCUTCHEON AL DV9600 BL
	022B		00M21AK355010	00M21AK355010	LENS	LENS FL OFF
	050B	F B	nsp	00M13AK063010	ESCUTCHEON	ESCUTCHEON TRAY BL
	050B	F N	nsp	00M13AK063110	ESCUTCHEON	ESCUTCHEON TRAY GL
	050B	/K1G	nsp	00M13AK063110	ESCUTCHEON	ESCUTCHEON TRAY GL
	050B	/L1G	nsp	00M13AK063110	ESCUTCHEON	ESCUTCHEON TRAY GL
	050B	/N1S	00M13AK063210	00M13AK063210	ESCUTCHEON	ESCUTCHEON TRAY SL
	050B	/S1G	nsp	00M13AK063110	ESCUTCHEON	ESCUTCHEON TRAY GL
	050B	/U1B	nsp	00M13AK063010	ESCUTCHEON	ESCUTCHEON TRAY BL

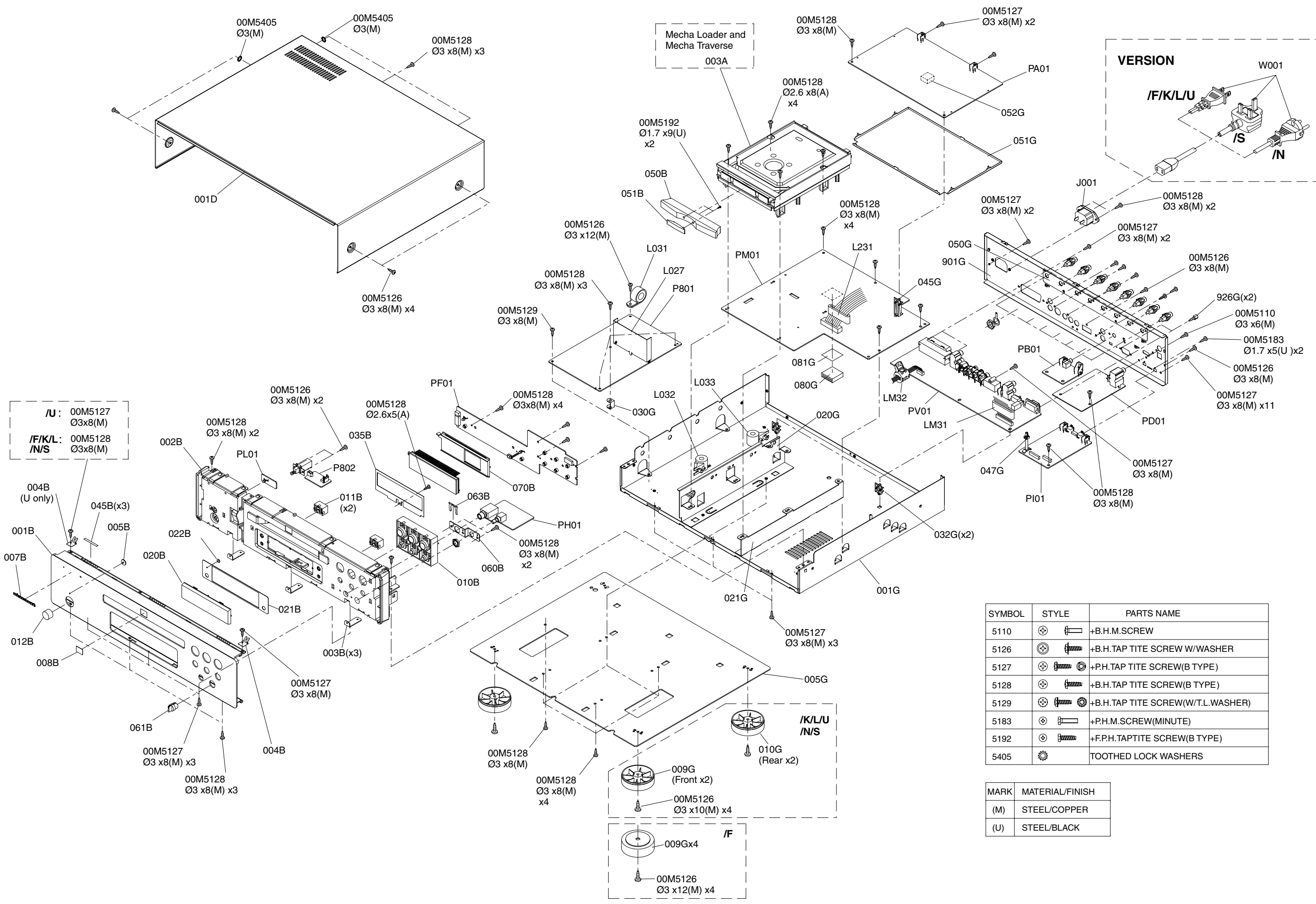
NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
	051B	F B	nsp	00M392K063160	ESCUTCHEON	BADGE ESCUTCHEON GL
	051B	F N	nsp	00M392K063160	ESCUTCHEON	BADGE ESCUTCHEON GL
	051B	/K1G	nsp	00M392K063160	ESCUTCHEON	BADGE ESCUTCHEON GL
	051B	/L1G	nsp	00M392K063160	ESCUTCHEON	BADGE ESCUTCHEON GL
	051B	/N1S	00M392K063260	00M392K063260	ESCUTCHEON	BADGE ESCUTCHEON SL
	051B	/S1G	nsp	00M392K063160	ESCUTCHEON	BADGE ESCUTCHEON GL
	051B	/U1B	nsp	00M392K063160	ESCUTCHEON	BADGE ESCUTCHEON GL
	061B	F B	nsp	00M284T154310	KNOB	KNOB HP JACK BL
	061B	F N	nsp	00M284T154250	KNOB	KNOB HP JACK GL
	061B	/K1G	nsp	00M284T154250	KNOB	KNOB HP JACK GL
	061B	/L1G	nsp	00M284T154250	KNOB	KNOB HP JACK GL
	061B	/N1S	00M284T154350	00M284T154350	KNOB	KNOB HP JACK SL
	061B	/S1G	nsp	00M284T154250	KNOB	KNOB HP JACK GL
	061B	/U1B	nsp	00M284T154310	KNOB	KNOB HP JACK BL
	009G	F B	nsp	00M11AJ057510	LEG	LEG C1 AL H16
	009G	F N	nsp	00M11AJ057510	LEG	LEG C1 AL H16
	009G	/K1G	nsp	00M183J057010	LEG	LEG FRONT GL
	009G	/L1G	nsp	00M183J057010	LEG	LEG FRONT GL
	009G	/N1S	00M183J057310	00M183J057310	LEG	LEG FRONT SL
	009G	/S1G	nsp	00M183J057010	LEG	LEG FRONT GL
	009G	/U1B	nsp	00M183J057010	LEG	LEG FRONT GL
	010G	/K1G	nsp	00M183J057110	LEG	LEG REAR GL
	010G	/L1G	nsp	00M183J057110	LEG	LEG REAR GL
	010G	/N1S	00M183J057320	00M183J057320	LEG	LEG REAR SL
	010G	/S1G	nsp	00M183J057110	LEG	LEG REAR GL
	010G	/U1B	nsp	00M183J057110	LEG	LEG REAR GL
	926G		00M396B010030	00M396B010030	SCREW	SCREW. R.PANEL + RS232C
	▲ J001		00MYJ04002550	00MYJ04002550	JACK	! MAINS INLET TYPE HF-301
	JA15		00MYT02011290	00MYT02011290	TERMINAL	EW-2560T-LH-W
	JA16		00MYT02011290	00MYT02011290	TERMINAL	EW-2560T-LH-W
	JA35		00MYT02011280	00MYT02011280	TERMINAL	EW-2560T-LH-R
	JA36		00MYT02011280	00MYT02011280	TERMINAL	EW-2560T-LH-R
	JC15		00MYT02011300	00MYT02011300	TERMINAL	EW-2560T-LH-B
	JC35		00MYT02011300	00MYT02011300	TERMINAL	EW-2560T-LH-B
	JS15		00MYT02011300	00MYT02011300	TERMINAL	EW-2560T-LH-B
	JS35		00MYT02011300	00MYT02011300	TERMINAL	EW-2560T-LH-B
	L031		00MFC50280040	00MFC50280040	FERRITE CORE	TRCN-28-16-20
	L032		00MFC50160050	00MFC50160050	FERRITE CORE	TFRC-16813
	L033		00MFC50160050	00MFC50160050	FERRITE CORE	TFRC-16813
	L231		00MFC90280010	00MFC90280010	FERRITE CORE	HF70SH28*2*10 FPC FERRITE CORE
	L531	F B	nsp	00MFC90160010	FERRITE CORE	E04FD130506
	L531	F N	nsp	00MFC90160010	FERRITE CORE	E04FD130506
	L531	/K1G	nsp	00MFC90160010	FERRITE CORE	E04FD130506
	L531	/L1G	nsp	00MFC90160010	FERRITE CORE	E04FD130506
	L531	/S1G	nsp	00MFC90160010	FERRITE CORE	E04FD130506
	L531	/U1B	nsp	00MFC90160010	FERRITE CORE	E04FD130506
	L970		00MFC50160030	00MFC50160030	FERRITE CORE	FERRITE CORE TFCK-16813
	LM31		00MFC90400010	00MFC90400010	FERRITE CORE	FERRITE CORE SSC-40-12
	LM32		00MFC50160060	00MFC50160060	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	P801		nsp	nsp	PWB ASSY	POWER SUPPLY PWB
	P802		nsp	nsp	PWB ASSY	POWER SW PWB
	PA01		nsp	nsp	PWB ASSY	AUDIO PWB
	PB01		nsp	nsp	PWB ASSY	FLASHER PWB
	PD01		nsp	nsp	PWB ASSY	HDMI PWB
	PF01		nsp	nsp	PWB ASSY	FRONT 1 PWB
	PH01		nsp	nsp	PWB ASSY	HP PWB
	PI01		nsp	nsp	PWB ASSY	IEEE1394 PWB
	PL01		nsp	nsp	PWB ASSY	LED PWB
	PM01		nsp	nsp	PWB ASSY	MAIN PWB
	PV01		nsp	nsp	PWB ASSY	VIDEO PWB
	W271		nsp	00MYU26150520	FPC	SMCD-26X150.0-BDX6-P1.0-S4
	WJ01		nsp	00MYU14070510	FPC	0.5MM PITCH 14PIN 70MM FFC
	WJ02		nsp	00MYU16070510	FPC	0.5MM PITCH 16PIN 70MM FFC
	WM01		nsp	00MYU28070520	FPC	SMCD-28X70.0-BDX6-P1.0-S4
	WN01	/N1S	nsp	00MYU08070280	FPC	8PIN FFC CABLE UL2896
	WT01		nsp	00MYU40090510	FPC	0.5MM PITCH 40PIN 90MM FFC
	WT02		nsp	00MYU15100520	FPC	SMCD-15X100-BDX6-P1.0-S4

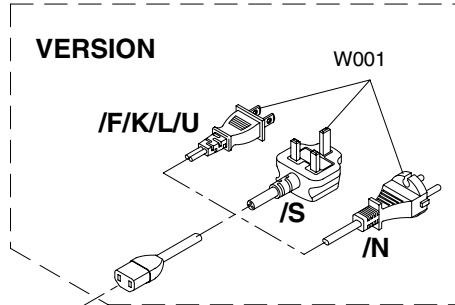
NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
	WU01		nsp	00MYU15120520	FPC	SMCD-15X120.0-BDX6-P1.0-S4
PACKING						
	001T	F B	nsp	00M25AK851110	USER GUIDE	USER GUIDE DV9600(F)
	001T	F N	nsp	00M25AK851110	USER GUIDE	USER GUIDE DV9600(F)
	001T	/K1G	nsp	00M25AK851350	USER GUIDE	USER GUIDE DV9600(L.S.K)
	001T	/L1G	nsp	00M25AK851350	USER GUIDE	USER GUIDE DV9600(L.S.K)
	001T	/N1S	00M25AK851310	00M25AK851310	USER GUIDE	USER GUIDE DV9600(N)1/2
	001T	/S1G	nsp	00M25AK851350	USER GUIDE	USER GUIDE DV9600(L.S.K)
	001T	/U1B	nsp	00M25AK851250	USER GUIDE	USER GUIDE DV9600(U)
	001Z		00MZK25AK0010	00MZK25AK0010	UNIT KIT	REMOTE CONTROLLER RC9600DV
	▲ W001	F B	nsp	00MZC01802080	MAINS CORD	! MAINS CORD MITY DC-302-J 125V 12A
	▲ W001	F N	nsp	00MZC01802080	MAINS CORD	! MAINS CORD MITY DC-302-J 125V 12A
	▲ W001	/K1G	nsp	00MZC01808030	MAINS CORD	# MAINS CORD CHINA 250V 10A
	▲ W001	/L1G	nsp	00MZC01807030	MAINS CORD	# MAINS CORD TAIWAN 10A 125V
	▲ W001	/N1S	00MZC01803080	00MZC01803080	MAINS CORD	# 2P MAINS CORD 10A 250V CLASS2
	▲ W001	/S1G	nsp	00MZC01804100	MAINS CORD	! MAINS CORD AC 250V 10A FOR UK
	▲ W001	/U1B	nsp	00MZC01803100	MAINS CORD	# MAINS CORD UL/CSA 10A 125V
NOT STANDARD SPARE PART						
	001S		nsp	00M25AK801010	PACKING CASE	PACKING CASE DV9600
	002S		nsp	00M02AJ809010	CUSHION	CUSHION
	001D	F B	nsp	00M21AK257010	LID	TOP COVER BL
	001D	F N	nsp	00M21AK257110	LID	TOP COVER GL
	001D	/K1G	nsp	00M21AK257110	LID	TOP COVER GL
	001D	/L1G	nsp	00M21AK257110	LID	TOP COVER GL
	001D	/N1S	nsp	00M21AK257210	LID	TOP COVER SL
	001D	/S1G	nsp	00M21AK257110	LID	TOP COVER GL
	001D	/U1B	nsp	00M21AK257010	LID	TOP COVER BL

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

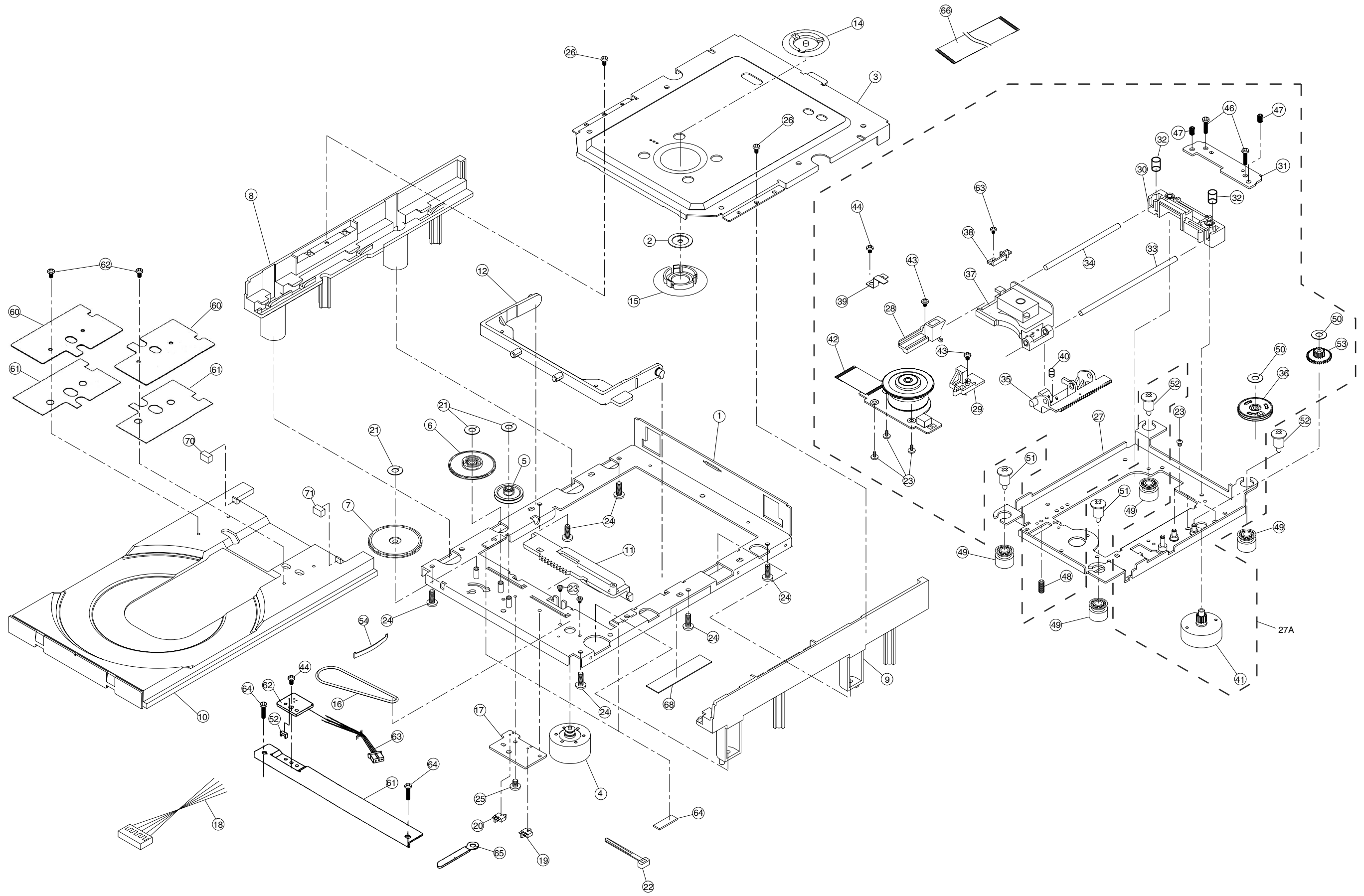


/U: 00M5127
 Ø3x8(M)
 /F/K/L: 00M5128
 Ø3x8(M)



SYMBOL	STYLE	PARTS NAME
5110		+B.H.M.SCREW
5126		+B.H.TAP TITE SCREW W/WASHER
5127		+P.H.TAP TITE SCREW(B TYPE)
5128		+B.H.TAP TITE SCREW(B TYPE)
5129		+B.H.TAP TITE SCREW(W/T.L.WASHER)
5183		+P.H.M.SCREW(MINUTE)
5192		+F.P.H.TAPTITE SCREW(B TYPE)
5405		TOOTHED LOCK WASHERS

MARK	MATERIAL/FINISH
(M)	STEEL/COPPER
(U)	STEEL/BLACK



P.C.B. NAME	POS.#NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION	
	1		nsp	nsp	CHASSIS	MAIN CHASSIS ASSY	9KC 1A01 7
	2		90M13AK160210	90M13AK160210	BRACKET	CLAMPER BRACKET	9KA 7P08 5
	3		nsp	nsp	BRACKET	GUIDE CLAMP BRACKET	
	4		90M-MM001290R	90M-MM001290R	MOTOR	LOADING MOTOR ASSY	9KC 2A00 3
	5		90M13AK058230	90M13AK058230	GEAR	LOADING GEAR	9KC 2G02 9
	6		90M13AK058210	90M13AK058210	GEAR	LOADING GEAR 2ND	9KB 9G03 0
	7		90M13AK058220	90M13AK058220	GEAR	LOADING GEAR 3RD	9KB 9G03 1
	8		90M13AK105210	90M13AK105210	CHASSIS	SUB CHASSIS-L	9KA 2G41 7
	9		90M13AK105220	90M13AK105220	CHASSIS	SUB CHASSIS-R	9KA 2G41 8
	10		90M13AK163210	90M13AK163210	TRAY	TRAY-D4	9KA 2G778
	11		90M13AK054210	90M13AK054210	CAM	SLIDE-CAM	9KC 1G00 3
	12		90M13AK002210	90M13AK002210	ARM	TRAVERSE ARM	9KC 1G00 4
	14		90M13AK005210	90M13AK005210	CLAMPER	CLAMPER H	9KA 7G20 2
	15		90M13AK005220	90M13AK005220	CLAMPER	CLAMPER L	9KA 7G20 3
	16		90M13AK264210	90M13AK264210	BELT	LOADING BELT	9KB 9G01 5
	17		nsp	nsp	PCB ASSY	SWITCH P.W.B.	9KC 1P01 4
	18		nsp	nsp	CORD	5P PH WIRE	9KC 2G04 3
	19		90M-SP001260R	90M-SP001260R	SWITCH	SWITCH ESE22MH21	9KS 01W2 04
	20		90M-SP001270R	90M-SP001270R	SWITCH	SWITCH ESE22MH23	9KS 01W2 05
	21		90M13AK012210	90M13AK012210	WASHER	POLY.SLIT WASHER 2.6X6X0.25C	9KP 26C6 25
	22		nsp	nsp	CLAMPER	WIRE CLAMPER	445 8004 007
	23		nsp	nsp	SCREW	PRECISION SCREW 1.7X2.2 TYPE3	9KS 17N0 22
	23		nsp	nsp	SCREW	PRECISION SCREW 1.7X2.2 TYPE3	
	23		nsp	nsp	SCREW	PRECISION SCREW 1.7X2.2 TYPE3	
	24		nsp	nsp	SCREW	SCREW 2.6X6 CBTS(B)-Z	9KB 26BK 06
	25		nsp	nsp	SCREW	PRECISION SCREW 2X3(S) TYPE3	9KS 20TK 33
	26		nsp	nsp	SCREW	SCREW 2X6 CBTS(P)-Z	9KB 20PK 06
	27A		90M13AK304210	90M13AK304210	MECHANISM	TRAVERSE MECHA (FEED) ASSY	9KC 2A06 3A
	27		nsp	nsp	CHASSIS	PU CHASSIS ASSY	
	28		nsp	nsp	HOLDER	SHAFT HOLDER L	
	29		nsp	nsp	HOLDER	SHAFT HOLDER R	
	30		nsp	nsp	BRACKET	SHAFT TILT BASE	
	31		nsp	nsp	RETAINER	SHAFT TILT PLATE	
	32		nsp	nsp	SPRING	TILT SPRING	
	33		nsp	nsp	SHAFT	MAIN SHAFT	
	34		nsp	nsp	SHAFT	SUB SHAFT	
	35		nsp	nsp	GEAR	PU RACK GEAR	
	36		nsp	nsp	GEAR	FEED GEAR 2ND ASSY	
	37		nsp	nsp	MECHANISM	PICK UP HOP-1200R	
	38		nsp	nsp	SPRING	PU SPRING	
	39		nsp	nsp	SPRING	SHAFT SPRING	
	40		nsp	nsp	SPRING	RACK GEAR SPRING	
	41		nsp	nsp	MOTOR	FEED MOTOR ASSY	
	42		nsp	nsp	MOTOR	T/T MOTOR ASSY	
	43		nsp	nsp	SCREW	SCREW 2.6X6 CBTS(S)-Z	
	44		nsp	nsp	SCREW	SCREW 2.6X4 CBTS(S)-Z	
	46		nsp	nsp	SCREW	SCREW 2.6X15 CFTS(S)-Z	
	47		nsp	nsp	SCREW	SCREW 3X4 BSS	
	48		nsp	nsp	SCREW	SCREW 3X8 BSS (A)	
	49		90M13AK130210	90M13AK130210	DAMPER	DAMPER-SI25-LB	9KA 2G643
	50		nsp	nsp	WASHER	POLY.SLIT WASHER 2.1X4X0.25C	
	51		nsp	nsp	SCREW	SPECIAL SCREW (FRONT)	
	52		nsp	nsp	SCREW	SPECIAL SCREW (REAR)	
	53		nsp	nsp	GEAR	FEED GEAR 3RD	
	54		90M13AK116210	90M13AK116210	LEAF SPRING	TRAY-SPRING-VXF	9KB 7P02 4
	60		90M13AK104210	90M13AK104210	RETAINER	PLATE-RE-2HPC	9KC 2P03 1
	61		90M13AK104220	90M13AK104220	RETAINER	WF-PLATE-RE-2HPC	9KC 2P03 2
	62		nsp	nsp	SCREW	PRECISION SCREW 2X4(P) TYPE1	9KS 20P1 04
	63		nsp	nsp	SCREW	PRECISION SCREW 1.7X5 TYPE3	
	64		nsp	nsp	CUSHION	RUBBER CUSHION	9KC 1G04 2
	66		nsp	90M-YU001350R	FPC	FFC-0.5-24 L=80	9KA 2P70 6
	68		nsp	nsp	TAPE	TAPE W10X45 (NITTO NO.156)	
	70		nsp	nsp	CUSHION	CUSHION L 6X3Xt4	9KC 2G07 6
	71		nsp	nsp	CUSHION	CUSHION R 6X3Xt2	9KC 2G07 7

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

16. ELECTRICAL PARTS LIST

PARTS INFORMATION

RESISTORS

- 00MGD05xxx140, Carbon film fixed resistor, $\pm 5\%$ 1/4W
- 00MGD05xxx160, Carbon film fixed resistor, $\pm 5\%$ 1/6W

① — Resistance value

Examples ;

- ① Resistance value
- | | | | |
|-----------------------|-----------------------|-------------------------|-------------------------|
| 0.1 Ω 001 | 10 Ω 100 | 1 k Ω 102 | 100 k Ω 104 |
| 0.5 Ω 005 | 18 Ω 180 | 2.7 k Ω 272 | 680 k Ω 684 |
| 1 Ω 010 | 100 Ω 101 | 10 k Ω 103 | 1 M Ω 105 |
| 6.8 Ω 068 | 390 Ω 391 | 22 k Ω 223 | 4.7 M Ω 475 |

Note : Please distinguish 1/4W from 1/6W by the shape of parts used actually.

CAPACITORS

CERAMIC CAP.

- 00MDD1xxx370 Ceramic capacitor
Disc type
Temp.coeff.P350 ~ N1000, 50V
- ② Capacity value
③ Tolerance

Examples ;

- ② Tolerance (Capacity deviation)
- | |
|----------------------|
| ± 0.25 pF 0 |
| ± 0.5 pF 1 |
| $\pm 5\%$ 5 |

* Tolerance of COMMON PARTS handled here are as follows :

- | |
|----------------------------------|
| 0.5 pF ~ 5 pF ± 0.25 pF |
| 6 pF ~ 10 pF ± 0.5 pF |
| 12 pF ~ 560 pF $\pm 5\%$ |

③ Capacity value

- | | | |
|-----------------|----------------|-----------------|
| 0.5 pF 005 | 3 pF 030 | 100 pF 101 |
| 1 pF 010 | 10 pF 100 | 220 pF 221 |
| 1.5 pF 015 | 47 pF 470 | 560 pF 561 |

CERAMIC CAP.

- 00MDK16xxx300, High dielectric constant ceramic capacitor
Disc type
Temp.chara. 2B4, 50V
- ④ Capacity value

Examples ;

- ④ Capacity value
- | | | |
|-----------------|------------------|-------------------|
| 100 pF 101 | 1000 pF 102 | 10000 pF 103 |
| 470 pF 471 | 2200 pF 222 | |

ELECTROLY CAP. ($\text{---} \parallel \text{---}$)

- 00MEAxxx10, Electrolytic capacitor
One-way lead type, Tolerance $\pm 20\%$
- ⑤ Working voltage
⑥ Capacity value

Examples ;

- ⑤ Capacity value
- | | | |
|-----------------------|----------------------|-----------------------|
| 0.1 μ F 104 | 4.7 μ F 475 | 100 μ F 107 |
| 0.33 μ F 334 | 10 μ F 106 | 330 μ F 337 |
| 1 μ F 105 | 22 μ F 226 | 1100 μ F 118 |
| | | 2200 μ F 228 |
- ⑥ Working voltage
- | | |
|---------------|--------------|
| 6.3V 006 | 25V 025 |
| 10V 010 | 35V 035 |
| 16V 016 | 50V 050 |

FILM CAP. ($\text{---} \parallel \text{---}$)

- 00MDF15xxx350 Plastic film capacitor
One-way type, Mylar $\pm 5\%$ 50V
 - 00MDF16xxx310 Plastic film capacitor
One-way type, Mylar $\pm 10\%$ 50V
- ⑦ Capacity value

Examples ;

- ⑦ Capacity value
- | | |
|-----------------------------------|-----------------------|
| 0.001 μ F (1000 pF) 102 | 0.1 μ F 104 |
| 0.0018 μ F 182 | 0.56 μ F 564 |
| 0.01 μ F 103 | 1 μ F 105 |
| 0.015 μ F 153 | |

NOTE ON SAFETY FOR FUSIBLE RESISTOR :

The suppliers and their type numbers of fusible resistors are as follows;

1. KOA Corporation

Part No. (MJI)	Type No. (KOA)	Description
00MNH05 xxx 140	RF25S xxx Ω J	($\pm 5\%$ 1/4W)
00MNH05 xxx 120	RF50S xxx Ω J	($\pm 5\%$ 1/2W)
00MNH85 xxx 110	RF73B2A xxx Ω J	($\pm 5\%$ 1/10W)
00MNH95 xxx 140	RF73B2E xxx Ω J	($\pm 5\%$ 1/4W)

* Resistance value Resistance value (0.1 Ω - 10 k Ω)

2. Matsushita Electronic Components Co., Ltd

Part No. (MJI)	Type No. (MEC)	Description
00MNF05 xxx 140	ERD-2FCJ xxx	($\pm 5\%$ 1/4W)
00MRF05 xxx 140		
00MNF02 xxx 140	ERD-2FCG xxx	($\pm 2\%$ 1/4W)
00MRF02 xxx 140		

* Resistance value * Resistance value

Examples ;

- * Resistance value
- | | | | |
|-----------------------|-----------------------|-------------------------|-------------------------|
| 0.1 Ω 001 | 10 Ω 100 | 1 k Ω 102 | 100 k Ω 104 |
| 0.5 Ω 005 | 18 Ω 180 | 2.7 k Ω 272 | 680 k Ω 684 |
| 1 Ω 010 | 100 Ω 101 | 10 k Ω 103 | 1 M Ω 105 |
| 6.8 Ω 068 | 390 Ω 391 | 22 k Ω 223 | 4.7 M Ω 475 |



ABBREVIATION AND MARKS

ANT. : ANTENNA	BATT. : BATTERY
CAP. : CAPACITOR	CER. : CERAMIC
CONN. : CONNECTING	DIG. : DIGITAL
HP : HEADPHONE	MIC. : MICROPHONE
μ -PRO : MICROPROCESSOR	REC. : RECORDING
RES. : RESISTOR	SPK : SPEAKER
SW : SWITCH	TRANSF. : TRANSFORMER
TRIM. : TRIMMING	TRS. : TRANSISTOR
VAR. : VARIABLE	X'TAL : CRYSTAL


NOTE ON FUSE :

Regarding to all parts of parts code **00MFS20xxx2xx**, replace only with Wickmann-Werke GmbH, Type 372 non glass type fuse.

NOTE ON SAFETY :

Symbol  Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

安全上の注意 :

 がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
					POWER SUPPLY PWB (00MWG21AK301-)	
P801	▲ C801		00MDF17104630	00MDF17104630	FILM CAP.	# ECOU2A/04ML 0.1 UF 250V
P801	▲ C802		00MDF17104630	00MDF17104630	FILM CAP.	# ECOU2A/04ML 0.1 UF 250V
P801	▲ C803	F B	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C803	F N	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C803	/K1G	nsp	00MDK17221520	CER. CAP.	# DE0910 B 221K -KX 220PF 250V
P801	▲ C803	/L1G	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C803	/N1S	00MDK17221520	00MDK17221520	CER. CAP.	# DE0910 B 221K -KX 220PF 250V
P801	▲ C803	/S1G	nsp	00MDK17221520	CER. CAP.	# DE0910 B 221K -KX 220PF 250V
P801	▲ C803	/U1B	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C804	F B	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C804	F N	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C804	/K1G	nsp	00MDK17221520	CER. CAP.	# DE0910 B 221K -KX 220PF 250V
P801	▲ C804	/L1G	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C804	/N1S	00MDK17221520	00MDK17221520	CER. CAP.	# DE0910 B 221K -KX 220PF 250V
P801	▲ C804	/S1G	nsp	00MDK17221520	CER. CAP.	# DE0910 B 221K -KX 220PF 250V
P801	▲ C804	/U1B	nsp	00MDK17471520	CER. CAP.	# DE0910 B 471K -KX 470PF 250V
P801	▲ C805	F B	nsp	00MEA227200P0	ELECT CAP.	! 220UF 200V (ELNA RJ4 SERIES)
P801	▲ C805	F N	nsp	00MEA227200P0	ELECT CAP.	! 220UF 200V (ELNA RJ4 SERIES)
P801	▲ C805	/K1G	nsp	00MEA12740070	ELECT CAP.	! RE3-400V121MK9 120UF/400V
P801	▲ C805	/L1G	nsp	00MEA227200P0	ELECT CAP.	! 220UF 200V (ELNA RJ4 SERIES)
P801	▲ C805	/N1S	00MEA12740070	00MEA12740070	ELECT CAP.	! RE3-400V121MK9 120UF/400V
P801	▲ C805	/S1G	nsp	00MEA12740070	ELECT CAP.	! RE3-400V121MK9 120UF/400V
P801	▲ C805	/U1B	nsp	00MEA227200P0	ELECT CAP.	! 220UF 200V (ELNA RJ4 SERIES)
P801	C806	F B	nsp	00MDK16151910	CER. CAP.	DE0405-1B151K2K 150P 2KV SHORT
P801	C806	F N	nsp	00MDK16151910	CER. CAP.	DE0405-1B151K2K 150P 2KV SHORT
P801	C806	/K1G	nsp	00MDK16101910	CER. CAP.	DEBB33D101K 100PF 2KV
P801	C806	/L1G	nsp	00MDK16151910	CER. CAP.	DE0405-1B151K2K 150P 2KV SHORT
P801	C806	/N1S	nsp	00MDK16101910	CER. CAP.	DEBB33D101K 100PF 2KV
P801	C806	/S1G	nsp	00MDK16101910	CER. CAP.	DEBB33D101K 100PF 2KV
P801	C806	/U1B	nsp	00MDK16151910	CER. CAP.	DE0405-1B151K2K 150P 2KV SHORT
P801	C807		nsp	00MOA22605020	ELECT. CAP.	22 UF M 50V RA-2
P801	C808		00MDF15334350	00MDF15334350	FILM CAP.	0.33UF,J,T,50V
P801	C809		00MDF15224350	00MDF15224350	FILM CAP.	0.22UF,J,T,50V
P801	C810		00MDF15472350	00MDF15472350	FILM CAP.	0.0047UF,J,M,50V
P801	C811		00MDF15104350	00MDF15104350	FILM CAP.	0.1UF,J,N,50V
P801	▲ C812		00MDK17221520	00MDK17221520	CER. CAP.	! DE0910 B 221K -KX 220PF 250V
P801	C813		nsp	00MOA10510020	ELECT. CAP.	1UF100V RA-2TYPE
P801	C814		nsp	00MOA47605020	ELECT. CAP.	47 UF M 50V RA-2
P801	C815		nsp	00MOA47605020	ELECT. CAP.	47 UF M 50V RA-2
P801	C816		nsp	00MOA22701020	ELECT. CAP.	220 UF M 10V RA-2
P801	C819		00MEA10801620	00MEA10801620	ELECT CAP.	1000UF 16V
P801	C820		nsp	00MOA22701020	ELECT. CAP.	220 UF M 10V RA-2
P801	C821		00MEA10801620	00MEA10801620	ELECT CAP.	1000UF 16V
P801	C822		nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
P801	C823		nsp	00MOA22701020	ELECT. CAP.	220 UF M 10V RA-2
P801	C824		nsp	00MOA47702520	ELECT. CAP.	470UF 25V M RA-2
P801	C825		nsp	00MOA22701620	ELECT. CAP.	220 UF M 16V RA-2
P801	C826		nsp	00MOA22701020	ELECT. CAP.	220 UF M 10V RA-2
P801	C829		nsp	00MOA22701620	ELECT. CAP.	220 UF M 16V RA-2
P801	C841		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
P801	▲ C844	F B	nsp	00MDF77103500	FILM CAP.	# 0.01UF M 250V AC
P801	▲ C844	F N	nsp	00MDF77103500	FILM CAP.	# 0.01UF M 250V AC
P801	▲ C844	/K1G	nsp	00MDK17472900	CER. CAP.	#DE1310E 472M-KH
P801	▲ C844	/L1G	nsp	00MDF77103500	FILM CAP.	# 0.01UF M 250V AC
P801	▲ C844	/N1S	00MDK17472900	00MDK17472900	CER. CAP.	#DE1310E 472M-KH
P801	▲ C844	/S1G	nsp	00MDK17472900	CER. CAP.	#DE1310E 472M-KH
P801	▲ C844	/U1B	nsp	00MDF77103500	FILM CAP.	# 0.01UF M 250V AC
P801	C851	F B	nsp	00MOB10803510	ELECT. CAP.	35V 1000UF BLOCK
P801	C851	F N	nsp	00MOB10803510	ELECT. CAP.	35V 1000UF BLOCK
P801	C851	/K1G	nsp	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
P801	C851	/L1G	nsp	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
P801	C851	/N1S	nsp	00MOA22802540	ELECT. CAP.	2200UF M 25V CILMK(ARS)
P801	C851	/S1G	nsp	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
P801	C851	/U1B	nsp	00MOB10803510	ELECT. CAP.	35V 1000UF BLOCK
P801	C852	F B	nsp	00MOB10803510	ELECT. CAP.	35V 1000UF BLOCK
P801	C852	F N	nsp	00MOB10803510	ELECT. CAP.	35V 1000UF BLOCK

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
P801	C852	/K1G	nsp	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
P801	C852	/L1G	nsp	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
P801	C852	/N1S	nsp	00MOA22802540	ELECT. CAP.	2200UF M 25V CILMIC(ARS)
P801	C852	/S1G	nsp	00MOB10803570	ELECT. CAP.	1000U 35V(ALP) (LF)-BLOCK CAP
P801	C852	/U1B	nsp	00MOB10803510	ELECT. CAP.	35V 1000UF BLOCK
P801	C853		nsp	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P801	C854		nsp	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P801	C855	F B	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C855	F N	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C855	/K1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
P801	C855	/L1G	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C855	/N1S	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
P801	C855	/S1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
P801	C855	/U1B	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C856	F B	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C856	F N	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C856	/K1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
P801	C856	/L1G	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C856	/N1S	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
P801	C856	/S1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
P801	C856	/U1B	nsp	00MOA227025R0	ELECT. CAP.	ROA-25V 221M-H5#PE-T2 (220UF 25V)
P801	C861		nsp	00MOA228016Z0	ELECT. CAP.	2200UF 16V
P801	C862		nsp	00MOA227010Z0	ELECT. CAP.	220 UF M 10V RA-2
P801	C863		nsp	00MOA107010Z0	ELECT. CAP.	100 UF M 10V RA-2
P801	C871		nsp	00MOA108025Z0	ELECT. CAP.	1000 UF M 25V RA-2
P801	C872		nsp	00MOA104050Z0	ELECT. CAP.	0.1 UF M 50V RA-2
P801	C873		nsp	00MOA106063Z0	ELECT. CAP.	10 UF 63V RA-2
P801	▲ D801		00MHD20031290	00MHD20031290	DIODE	! S1WB(A)60 30A 600V
P801	D802		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D803		00MHD32201000	00MHD32201000	ZENER DIODE	22V ZENER EQUIVALENT
P801	▲ D804		00MHD20049080	00MHD20049080	DIODE	! AG01 400V 0.7A
P801	D805		00MHD31801000	00MHD31801000	ZENER DIODE	18V ZENER EQUIVALENT
P801	D806		00MHD30911000	00MHD30911000	ZENER DIODE	9.1V ZENER EQUIVALENT
P801	▲ D807		00MHD20049080	00MHD20049080	DIODE	! AG01 400V 0.7A
P801	D808		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P801	D810		00MHD30911000	00MHD30911000	ZENER DIODE	9.1V ZENER EQUIVALENT
P801	▲ D811		00MHD20050080	00MHD20050080	DIODE	! RK46(SBD)60V 3.5A
P801	▲ D812		00MHD20050080	00MHD20050080	DIODE	! RK46(SBD)60V 3.5A
P801	▲ D814		00MHD20050080	00MHD20050080	DIODE	! RK46(SBD)60V 3.5A
P801	▲ D815		00MHD20050080	00MHD20050080	DIODE	! RK46(SBD)60V 3.5A
P801	▲ D817		00MHD20053080	00MHD20053080	DIODE	! EK19 90V 1.5A
P801	D818		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P801	D819		00MHD30911000	00MHD30911000	ZENER DIODE	9.1V ZENER EQUIVALENT
P801	D841		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	▲ D845		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D851		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D852		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D853		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D854		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	D855		00MHD31001000	00MHD31001000	ZENER DIODE	10V ZENER EQUIVALENT
P801	D856		00MHD31001000	00MHD31001000	ZENER DIODE	10V ZENER EQUIVALENT
P801	D857		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D858		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	▲ D861		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D862		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D863		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D864		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D871		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	▲ D872		00MHD20055100	00MHD20055100	DIODE	! SHOTTKY 11EQS10 1A 100V
P801	D873		00MHD20055100	00MHD20055100	DIODE	SHOTTKY 11EQS10 1A 100V
P801	D875		nsp	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	▲ F801		00MFS20250200	00MFS20250200	FUSE	# T2.5A/250V TR5 NO.19372(T)
P801	▲ F802		00MFS20025200	00MFS20025200	FUSE	# T250MA/250V TR5 NO.19372(TP)
P801	▲ F803		00MFS20315200	00MFS20315200	FUSE	# FUSE 3.15A 250V SEMKO VDE
P801	▲ F851		00MFS20050200	00MFS20050200	FUSE	# T500MA/250V TR5 NO.19372(TP)
P801	▲ F852		00MFS20050200	00MFS20050200	FUSE	# T500MA/250V TR5 NO.19372(TP)
P801	▲ F853		00MFS20050200	00MFS20050200	FUSE	# T500MA/250V TR5 NO.19372(TP)

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
P801	▲ L801		00MLC22260130	00MLC22260130	COIL	# 22MH X2 LINE FILTER
P801	L803		00MLC14734500	00MLC14734500	COIL	RCH-110 47UH 2.5A
P801	L804		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	▲ L841		00MLY10060010	00MLY10060010	RELAY	# SDT-S-106LMR TV-5 DC6V 250MW
P801	▲ Q801		00MHF22943000	00MHF22943000	F.E.T.	! 2SK2943 900V 3A
P801	Q802		00MHC10007130	00MHC10007130	IC	FA3647P PWM CONTROL IC
P801	▲ Q803		00MHW10032320	00MHW10032320	PHOTO UNIT	! PC-123F2 PHOTO COUPLER
P801	Q804		00MHC33036590	00MHC33036590	IC	TL431CZ PROG.VOLTAGE REFERENCE
P801	▲ Q806		00MHC10006080	00MHC10006080	IC	! SI-3050C +5V 1.5A WITH SW
P801	▲ Q807		00MHC10006080	00MHC10006080	IC	! SI-3050C +5V 1.5A WITH SW
P801	▲ Q808		00MHC3691208F	00MHC3691208F	IC	! SI-3120F +12V 1A WITH SW
P801	Q809		00MHT316272B0	00MHT316272B0	TRS.	2SC1627 O,Y 80V 300MA 600MW TO
P801	▲ Q812		00MHC3890809F	00MHC3890809F	IC	! +8V 1A REGULATOR NJM7808FA
P801	Q813		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
P801	Q814		00MHT316272B0	00MHT316272B0	TRS.	2SC1627 O,Y 80V 300MA 600MW TO
P801	▲ Q841		00MHT10001000	00MHT10001000	TRS.	! A1048,A933S,A1267,ETC.
P801	Q842		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P801	▲ Q853		00MHT41415100	00MHT41415100	TRS.	! 2SD1415A
P801	▲ Q854		00MHT21020100	00MHT21020100	TRS.	! 2SB1020A
P801	▲ Q861		00MHC3690521F	00MHC3690521F	IC	! BA05T 5V/1A
P801	▲ Q862		00MHC36J3321F	00MHC36J3321F	IC	! BA033T
P801	Q871		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
P801	Q872		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
P801	Q874		00MHT10001000	00MHT10001000	TRS.	A1048,A933S,A1267,ETC.
P801	Q875		00MBA20004000	00MBA20004000	TRS.	DTC114TS/UN4215 10K
P801	▲ R801	F B	nsp	00MRC10225820	RES.	! 2.2M OHM +- 10% 1/2W FOR UL
P801	▲ R801	F N	nsp	00MRC10225820	RES.	! 2.2M OHM +- 10% 1/2W FOR UL
P801	▲ R801	/K1G	nsp	00MRC05105010	RES.	! 1M OHM +-5% 1W RCR60 L15
P801	▲ R801	/L1G	nsp	00MRC10225820	RES.	! 2.2M OHM +- 10% 1/2W FOR UL
P801	▲ R801	/N1S	00MRC05105010	00MRC05105010	RES.	! 1M OHM +-5% 1W RCR60 L15
P801	▲ R801	/S1G	nsp	00MRC05105010	RES.	! 1M OHM +-5% 1W RCR60 L15
P801	▲ R801	/U1B	nsp	00MRC10225820	RES.	! 2.2M OHM +- 10% 1/2W FOR UL
P801	R802	F B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R802	F N	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R802	/K1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R802	/L1G	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R802	/N1S	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R802	/S1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R802	/U1B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R803	F B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R803	F N	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R803	/K1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R803	/L1G	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R803	/N1S	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R803	/S1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R803	/U1B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R804	F B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R804	F N	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R804	/K1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R804	/L1G	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R804	/N1S	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R804	/S1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R804	/U1B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R805	F B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R805	F N	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R805	/K1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R805	/L1G	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R805	/N1S	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R805	/S1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R805	/U1B	nsp	00MGD05224160	RES.	220K OHM +-5% 1/6W
P801	R806		nsp	00MGD05680160	RES.	68 OHM +-5% 1/6W
P801	R807		nsp	00MGD05103160	RES.	10K OHM +-5% 1/6W
P801	R808		nsp	00MGD05100160	RES.	10 OHM +-5% 1/6W
P801	R809		00MNK05470010	00MNK05470010	METAL RES.	47 OHM +-5% 1W
P801	R810		nsp	00MGD05124160	RES.	120K OHM +-5% 1/6W
P801	R811		00MNK05100010	00MNK05100010	METAL RES.	10 OHM +-5% 1W
P801	R812		00MNL05222020	00MNL05222020	METAL RES.	0.22 OHM +- 5% 2W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
P801	R813	F B	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R813	F N	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R813	/K1G	nsp	00MGD05274160	RES.	270K OHM +-5% 1/6W
P801	R813	/L1G	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R813	/N1S	nsp	00MGD05274160	RES.	270K OHM +-5% 1/6W
P801	R813	/S1G	nsp	00MGD05274160	RES.	270K OHM +-5% 1/6W
P801	R813	/U1B	nsp	00MGD05334160	RES.	330K OHM +-5% 1/6W
P801	R814		nsp	00MGD05563160	RES.	56K OHM +-5% 1/6W
P801	R815		nsp	00MGD05101160	RES.	100 OHM +-5% 1/6W
P801	R816		nsp	00MGD05151160	RES.	150 OHM +-5% 1/6W
P801	R817		nsp	00MGD05221160	RES.	220 OHM +-5% 1/6W
P801	R818		nsp	00MGD05471160	RES.	470 OHM +-5% 1/6W
P801	R819		nsp	00MGD05102160	RES.	1K OHM +-5% 1/6W
P801	R820		nsp	00MGD05332160	RES.	3.3K OHM +-5% 1/6W
P801	R825		nsp	00MGD05472160	RES.	4.7K OHM +-5% 1/6W
P801	R826		nsp	00MGD05681160	RES.	680 OHM +-5% 1/6W
P801	R827		nsp	00MGD05103160	RES.	10K OHM +-5% 1/6W
P801	R828		nsp	00MGD05472160	RES.	4.7K OHM +-5% 1/6W
P801	R829		nsp	00MGD05033160	RES.	3.3 OHM +-5% 1/6W
P801	R830		nsp	00MGD05681160	RES.	680 OHM +-5% 1/6W
P801	R831		nsp	00MGD05103160	RES.	10K OHM +-5% 1/6W
P801	R841		nsp	00MGD05473160	RES.	47K OHM +-5% 1/6W
P801	R842		nsp	00MGD05472160	RES.	4.7K OHM +-5% 1/6W
P801	R843		nsp	00MGD05223160	RES.	22K OHM +-5% 1/6W
P801	R851		nsp	00MGD05102160	RES.	1K OHM +-5% 1/6W
P801	R852		nsp	00MGD05102160	RES.	1K OHM +-5% 1/6W
P801	R871		nsp	00MGD05102160	RES.	1K OHM +-5% 1/6W
P801	R872		nsp	00MGD05123160	RES.	12K OHM +-5% 1/6W
P801	R873		nsp	00MGD05335160	RES.	3.3M OHM +-5% 1/6W
P801	R874		nsp	00MGD05473160	RES.	47K OHM +-5% 1/6W
P801	R875		nsp	00MGD05473160	RES.	47K OHM +-5% 1/6W
P801	R876		nsp	00MGD05103160	RES.	10K OHM +-5% 1/6W
P801	R877		nsp	00MGD05473160	RES.	47K OHM +-5% 1/6W
P801	R879		nsp	00MGD05332160	RES.	3.3K OHM +-5% 1/6W
P801	▲ T801		00MTS12900080	00MTS12900080	TRANSF.	# SW TRANSF ER28S
P801	▲ T851	F B	nsp	00MTS14159040	TRANSF.	# PE4124 AUDIO TRANSF. AC100V
P801	▲ T851	F N	nsp	00MTS14159040	TRANSF.	# PE4124 AUDIO TRANSF. AC100V
P801	▲ T851	/K1G	nsp	00MTS14159060	TRANSF.	# PE4124 AUDIO TRANSF. AC230V
P801	▲ T851	/L1G	nsp	00MTS14159050	TRANSF.	# PE4124 AUDIO TRANSF. AC120V
P801	▲ T851	/N1S	00MTS14159060	00MTS14159060	TRANSF.	# PE4124 AUDIO TRANSF. AC230V
P801	▲ T851	/S1G	nsp	00MTS14159060	TRANSF.	# PE4124 AUDIO TRANSF. AC230V
P801	▲ T851	/U1B	nsp	00MTS14159050	TRANSF.	# PE4124 AUDIO TRANSF. AC120V
POWER SW PWB (00MWG21AK203-)						
P802	▲ S801		00MSP01013800	00MSP01013800	PUSH SW	# MAINS POWER SWITCH ESB92S17B
AUDIO PWB (00MWG21AK202-)						
PA01	CA01		nsp	00MOA10701620	ELECT. CAP.	100 UF M 16V RA-2
PA01	CA03		00MOF55101560	00MOF55101560	FILM CAP.	DAMG 100PF 630V
PA01	CA04		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CA05		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CA06	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA06	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA06	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA06	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA06	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CA06	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA06	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA08	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA08	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA08	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA08	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA08	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CA08	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA08	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA10		nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CA11		nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CA33		00MOF55101560	00MOF55101560	FILM CAP.	DAMG 100PF 630V
PA01	CA34		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	CA35		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CA36	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA36	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA36	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA36	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA36	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CA36	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA36	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA38	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA38	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA38	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA38	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA38	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CA38	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA38	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CA40		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CA41		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CC03		00MOF55101560	00MOF55101560	FILM CAP.	DAMG 100PF 630V
PA01	CC04		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CC05		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CC06	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC06	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC06	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC06	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC06	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CC06	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC06	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC08	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC08	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC08	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC08	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC08	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CC08	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC08	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC10		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CC11		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CC33		00MOF55101560	00MOF55101560	FILM CAP.	DAMG 100PF 630V
PA01	CC34		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CC35		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CC36	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC36	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC36	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC36	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC36	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CC36	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC36	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC38	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC38	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC38	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC38	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC38	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CC38	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC38	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CC40		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CC41		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD01	F B	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD01	F N	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD01	/K1G	nsp	00MOA227016R0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD01	/L1G	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD01	/N1S	nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD01	/S1G	nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD01	/U1B	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD03		nsp	00MOA33602520	ELECT. CAP.	33 UF M 25V RA-2
PA01	CD04		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD05		nsp	00MOA33602520	ELECT. CAP.	33 UF M 25V RA-2
PA01	CD06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	CD07	F B	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD07	F N	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD07	/K1G	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD07	/L1G	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD07	/N1S	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD07	/S1G	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD07	/U1B	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD08		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PA01	CD09		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PA01	CD10		nsp	00MOA33505020	ELECT. CAP.	3.3UF M 50V RA-2
PA01	CD21	F B	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD21	F N	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD21	/K1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD21	/L1G	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD21	/N1S	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD21	/S1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD21	/U1B	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD23		nsp	00MOA33602520	ELECT. CAP.	33 UF M 25V RA-2
PA01	CD24		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD25		nsp	00MOA33602520	ELECT. CAP.	33 UF M 25V RA-2
PA01	CD26		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD27	F B	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD27	F N	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD27	/K1G	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD27	/L1G	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD27	/N1S	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD27	/S1G	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD27	/U1B	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD28		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PA01	CD29		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PA01	CD30		nsp	00MOA33505020	ELECT. CAP.	3.3UF M 50V RA-2
PA01	CD41	F B	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD41	F N	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD41	/K1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD41	/L1G	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD41	/N1S	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD41	/S1G	nsp	00MOA227016Z0	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CD41	/U1B	nsp	00MOA227016R0	ELECT. CAP.	ROA-16V 221M-H4#PE-T2 (220UF 16V)
PA01	CD42		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD43		nsp	00MOA33602520	ELECT. CAP.	33 UF M 25V RA-2
PA01	CD44		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD45		nsp	00MOA33602520	ELECT. CAP.	33 UF M 25V RA-2
PA01	CD46		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CD47	F B	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD47	F N	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD47	/K1G	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD47	/L1G	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD47	/N1S	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD47	/S1G	nsp	00MOA107025Z0	ELECT. CAP.	ROS-25V 101M-H4#PE-T2 (100UF 25V)
PA01	CD47	/U1B	nsp	00MOA107010R0	ELECT. CAP.	ROA-10V 101M-G3#PE-T2 (100UF 10V)
PA01	CD48		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PA01	CD49		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PA01	CD50		nsp	00MOA33505020	ELECT. CAP.	3.3UF M 50V RA-2
PA01	CD61		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PA01	CH01		nsp	00MDD95330300	CER. CAP.	33 PF +-5% CG 50V
PA01	CH11		nsp	00MDD95330300	CER. CAP.	33 PF +-5% CG 50V
PA01	CH21		nsp	00MDD95330300	CER. CAP.	33 PF +-5% CG 50V
PA01	CH31		nsp	00MDD95330300	CER. CAP.	33 PF +-5% CG 50V
PA01	CH41		nsp	00MDD95330300	CER. CAP.	33 PF +-5% CG 50V
PA01	CH51		nsp	00MDD95330300	CER. CAP.	33 PF +-5% CG 50V
PA01	CS03		00MOF55101560	00MOF55101560	FILM CAP.	DAMG 100PF 630V
PA01	CS04		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CS05		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CS06	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS06	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS06	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	CS06	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS06	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CS06	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS06	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS08	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS08	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS08	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS08	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS08	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CS08	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS08	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS10		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CS11		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CS33		00MOF55101560	00MOF55101560	FILM CAP.	DAMG 100PF 630V
PA01	CS34		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CS35		00MOF55102570	00MOF55102570	FILM CAP.	DTG 1000PF 100V
PA01	CS36	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS36	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS36	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS36	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS36	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CS36	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS36	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS38	F B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS38	F N	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS38	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS38	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS38	/N1S	00MOF55221560	00MOF55221560	FILM CAP.	DAMG 220PF 630V
PA01	CS38	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS38	/U1B	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
PA01	CS40		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	CS41		nsp	00MOA22701620	ELECT. CAP.	ROS-16V 221M-H5#PE-T2 (220UF 16V)
PA01	DA01		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DA21		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DA22		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DA51		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DC21		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DC51		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DH01		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA01	DH02		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PA01	DH11		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA01	DH12		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PA01	DH21		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA01	DH22		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PA01	DH31		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA01	DH32		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PA01	DH41		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA01	DH42		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PA01	DH51		00MHZ20007210	00MHZ20007210	CHIP DIODE	IMN10 DIODE ARRAY
PA01	DH52		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302
PA01	DS21		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	DS51		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PA01	LA01		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PA01	QA01		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V RANK
PA01	QA02		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V RANK
PA01	QA04		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QA06	/N1S	00MHX342132A0	00MHX342132A0	CHIP TRS.	2SC4213
PA01	QA07		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QA08		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QA09		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PA01	QA11		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QA12		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PA01	QA13		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QA31		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V RANK
PA01	QA32		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V RANK
PA01	QA34		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QA36	/N1S	00MHX342132A0	00MHX342132A0	CHIP TRS.	2SC4213

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	QA37		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QA38		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QA39		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PA01	QA73		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QC01		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V RANK
PA01	QC02		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V RANK
PA01	QC04		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QC08		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QC09		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PA01	QC31		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V RANK
PA01	QC32		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V RANK
PA01	QC34		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QC38		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QC39		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PA01	QD01		00MHC10020880	00MHC10020880	IC	CS4398 192KHZ DAC
PA01	QD21		00MHC10020880	00MHC10020880	IC	CS4398 192KHZ DAC
PA01	QD41		00MHC10020880	00MHC10020880	IC	CS4398 192KHZ DAC
PA01	QD61		00MHC10440050	00MHC10440050	IC	TC7SH08FU
PA01	QH01		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH02		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH03		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA01	QH04		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH05		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH06		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA01	QH11		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH12		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH13		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA01	QH14		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH15		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH16		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA01	QH21		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH22		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH23		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA01	QH24		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH25		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH26		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA01	QH31		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH32		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH33		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA01	QH34		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH35		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH36		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA01	QH41		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH42		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH43		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA01	QH44		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH45		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH46		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA01	QH51		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH52		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
PA01	QH53		00MHX328731B0	00MHX328731B0	CHIP TRS.	2SC2873 (Y)
PA01	QH54		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH55		00MHX113121B0	00MHX113121B0	CHIP TRS.	2SA1312 (B)
PA01	QH56		00MHX333241B0	00MHX333241B0	CHIP TRS.	2SC3324 (B)
PA01	QS01		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V RANK
PA01	QS02		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V RANK
PA01	QS04		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QS08		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QS09		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PA01	QS31		00MHF201701H0	00MHF201701H0	F.E.T.	2SK170 V RANK
PA01	QS32		00MHF100741H0	00MHF100741H0	F.E.T.	2SJ74 V RANK
PA01	QS34		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PA01	QS38		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PA01	QS39		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PA01	RA01		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RA02		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RA03		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	RA04		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA05		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA06		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA07		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RA08		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RA09		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RA10		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RA13		00MNI05473110	00MNI05473110	CHIP RES.	47K OHM +-5% 1/10W
PA01	RA14		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RA15		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RA16		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RA17		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA01	RA18		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA19		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA20		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RA21	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PA01	RA22	/N1S	nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PA01	RA23	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PA01	RA24	/N1S	nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA25		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RA26		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RA27		nsp	00MNN05332610	CHIP RES.	3.3K OHM +5% 1/16W
PA01	RA28		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA01	RA31		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +5% 1/10W
PA01	RA32		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +5% 1/10W
PA01	RA33		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA34		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA35		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA36		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +5% 1/10W
PA01	RA37		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RA38		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RA39		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RA40		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RA43		00MNI05473110	00MNI05473110	CHIP RES.	47K OHM +-5% 1/10W
PA01	RA44		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RA45		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RA46		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RA47		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA01	RA48		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA49		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA50		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RA51	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PA01	RA52	/N1S	nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PA01	RA53	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PA01	RA54	/N1S	nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA55		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RA56		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RA57		nsp	00MNN05332610	CHIP RES.	3.3K OHM +5% 1/16W
PA01	RA58		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA01	RA61		nsp	00MNN05332610	CHIP RES.	3.3K OHM +5% 1/16W
PA01	RA62		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA01	RA63		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RA64		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RA65		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RA66		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RA67		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA68		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA73		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RA74		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RA75		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RA76		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RA77		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA78		nsp	00MNN05222610	CHIP RES.	2.2K OHM +5% 1/16W
PA01	RA91	F B	nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W
PA01	RA91	F N	nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W
PA01	RA91	/L1G	nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W
PA01	RA91	/U1B	nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	RA92	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA01	RA93	/K1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA01	RA93	/S1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA01	RA95		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PA01	RC01		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RC02		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RC03		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC04		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC05		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC06		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC07		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RC08		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RC09		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RC10		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RC13		00MNI05473110	00MNI05473110	CHIP RES.	47K OHM +-5% 1/10W
PA01	RC14		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RC15		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RC16		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RC17		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA01	RC18		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RC19		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RC20		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RC25		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RC27		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA01	RC28		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA01	RC31		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RC32		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RC33		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC34		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC35		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC36		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RC37		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RC38		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RC39		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RC40		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RC43		00MNI05473110	00MNI05473110	CHIP RES.	47K OHM +-5% 1/10W
PA01	RC44		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RC45		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RC46		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RC47		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA01	RC48		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RC49		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RC50		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RC55		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RC57		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA01	RC58		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA01	RD02		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RD22		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RD42		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RD61		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PA01	RD62		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PA01	RD64		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA01	RD65		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PA01	RD66		nsp	00MNI05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA01	RD67		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA01	RH01		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH02		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH03		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH04		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH05		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH06		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PA01	RH07		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH08		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH09		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH11		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH12		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH13		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	RH14		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH15		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH16		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PA01	RH17		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH18		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH19		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH21		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH22		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH23		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH24		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH25		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH26		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PA01	RH27		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH28		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH29		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH31		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH32		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH33		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH34		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH35		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH36		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PA01	RH37		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH38		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH39		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH41		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH42		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH43		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH44		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH45		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH46		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PA01	RH47		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH48		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH49		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH51		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH52		00MNI05151110	00MNI05151110	CHIP RES.	150 OHM +-5% 1/10W
PA01	RH53		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH54		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH55		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RH56		00MNI01333110	00MNI01333110	CHIP RES.	33K OHM +- 1% 1/10W
PA01	RH57		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH58		00MNI05561110	00MNI05561110	CHIP RES.	560 OHM +-5% 1/10W
PA01	RH59		00MNI05101110	00MNI05101110	CHIP RES.	100 OHM +-5% 1/10W
PA01	RS01		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RS02		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RS03		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS04		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS05		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS06		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS07		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RS08		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RS09		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RS10		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RS13		00MNI05473110	00MNI05473110	CHIP RES.	47K OHM +-5% 1/10W
PA01	RS14		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RS15		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RS16		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RS17		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA01	RS18		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RS19		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RS20		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RS25		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RS27		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA01	RS28		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PA01	RS31		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RS32		00MNI05332110	00MNI05332110	CHIP RES.	3.3K OHM +-5% 1/10W
PA01	RS33		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS34		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PA01	RS35		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS36		00MNI05222110	00MNI05222110	CHIP RES.	2.2K OHM +-5% 1/10W
PA01	RS37		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RS38		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RS39		00MNI05123110	00MNI05123110	CHIP RES.	12K OHM +-5% 1/10W
PA01	RS40		00MNI05153110	00MNI05153110	CHIP RES.	15K OHM +-5% 1/10W
PA01	RS43		00MNI05473110	00MNI05473110	CHIP RES.	47K OHM +-5% 1/10W
PA01	RS44		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RS45		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RS46		00MNI05104110	00MNI05104110	CHIP RES.	100K OHM +-5% 1/10W
PA01	RS47		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PA01	RS48		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RS49		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PA01	RS50		00MNI05680110	00MNI05680110	CHIP RES.	68 OHM +-5% 1/10W
PA01	RS55		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PA01	RS57		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PA01	RS58		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
					FLASHER PWB (00MWA25AK601-)	
PB01	CB02		nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PB01	DB01		00MHI20002210	00MHI20002210	GAS LED GL-350	SIR-34ST3F
PB01	JB01		00MYJ01005000	00MYJ01005000	JACK	LGY6501-0900FC
PB01	QB01		00MHW10005210	00MHW10005210	PHOTO UNIT	RPM6936 IR RECEIVER 36KHZ
PB01	QB02		00MBA10001000	00MBA10001000	TRS.	DTA114ES/UN4111 10K,10K
PB01	QB03		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PB01	QB04		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
PB01	QB05		00MHT30001000	00MHT30001000	TRS.	C2458,C1740S,C3199,ETC.
					HDMI PWB (00MWI25AK501-)	
PD01	CT01		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT02		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT03		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT04		00MDK06102200	00MDK06102200	CER. CAP.	1000 PF +-10% B 25V GRM36
PD01	CT05		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF 10V
PD01	CT06		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT07		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT08		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT09		00MDK06102200	00MDK06102200	CER. CAP.	1000 PF +-10% B 25V GRM36
PD01	CT10		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF 10V
PD01	CT11		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT12		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT13		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT14		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT15		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT16		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT17		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT18		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT19		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CT20		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT21		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CT22		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT23		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CT24		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT25		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF 16V
PD01	CT26		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT27		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CT28		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT29		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF 16V
PD01	CT30		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT31		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT32		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT33		00MDK06102200	00MDK06102200	CER. CAP.	1000 PF +-10% B 25V GRM36
PD01	CT36		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT37		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT51		00MDD05101200	00MDD05101200	CER. CAP.	100 PF +-5% CH 25V
PD01	CT52		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CT54		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PD01	CT57		nsp	00MOA476016Z0	ELECT. CAP.	ROS-16V 470M-G3#PE-T2 (47UF 16V)
PD01	CT58		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PD01	CW72		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW73		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW74		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW75		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW76		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW77		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW78		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW79		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW80		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW81		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CW82		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW83		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF 16V
PD01	CW84		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW85		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CW86		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW87		00MEY10700670	00MEY10700670	TANTL.CAP CHIP	100UF 6.3V
PD01	CW88		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW89		00MEY10601670	00MEY10601670	TANTL.CAP CHIP	MSVB21C 10UF 16V
PD01	CW90		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW91		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF 16V
PD01	CW92		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW93		00MEY10701670	00MEY10701670	TANTL.CAP CHIP	100UF 16V
PD01	CW94		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW95		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW96		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW97		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	CW98		00MDK06104200	00MDK06104200	CER. CAP.	0.1 UF +-10% B 10V
PD01	JT01		00MYJ90014680	00MYJ90014680	JACK	DC1R019 JDB HDMI CONN.
PD01	JT51		00MYJ90014610	00MYJ90014610	JACK	YKC22-0748N OPT+1P CINCH 5V
PD01	JW01		00MYJ07060190	00MYJ07060190	JACK	40FLT-SM1-TB
PD01	LT01		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PD01	LT02		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PD01	LT03		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LT04		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LT05		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LT06		00MFN21000070	00MFN21000070	EMI FILTER	ACM2012H-900-2P
PD01	LT07		00MFN21000070	00MFN21000070	EMI FILTER	ACM2012H-900-2P
PD01	LT08		00MFN21000070	00MFN21000070	EMI FILTER	ACM2012H-900-2P
PD01	LT09		00MFN21000070	00MFN21000070	EMI FILTER	ACM2012H-900-2P
PD01	LT10		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LT51		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LW01		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LW02		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LW03		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LW04		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	LW05		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PD01	QT01		00MHC10498990	00MHC10498990	IC	SI19030CTU-7
PD01	QT02		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PD01	QT03		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PD01	QT04		00MHC008905K0	00MHC008905K0	IC	TC7SZ08FU
PD01	QT05		00MHY22010050	00MHY22010050	CHIP FET	HN1K05FU 2SK2824 X 2
PD01	QT06		00MHC10031770	00MHC10031770	IC	RN5RZ50B-TR
PD01	QT07		00MHC91A33770	00MHC91A33770	IC	RN5RZ33BA-TR
PD01	QT08		00MHC91J18210	00MHC91J18210	IC	BA18BCOWFP
PD01	QT51		00MHX300012B0	00MHX300012B0	CHIP TRS.	2SC4081(R.S) 2SC4116(GR.BL)
PD01	QW01		00MHC10254990	00MHC10254990	IC	XC3S1000-5FTG256C SCALER BGA
PD01	QW02		00MHC10384050	00MHC10384050	IC	TC7S66FU
PD01	QW03		00MHC10384050	00MHC10384050	IC	TC7S66FU
PD01	QW04		00D2623463909	00D2623463909	IC	ICS664-03
PD01	QW05		00MHS25AKX20F	00MHS25AKX20F	U-PRO	XCF04SVOG20C
PD01	QW06		00MHC10001910	00MHC10001910	IC	K4S643232E-TC60/K4S643232H-TC60
PD01	QW07		00MHC10001910	00MHC10001910	IC	K4S643232E-TC60/K4S643232H-TC60
PD01	QW81		00MHC91930210	00MHC91930210	IC	BA33BCOWFP
PD01	QW82		00MHC98J12320	00MHC98J12320	IC	PQ012GN01ZPH
PD01	QW83		00MHC10228210	00MHC10228210	IC	BA25BCOWFP 2.5V REG.
PD01	RT01		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT02		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PD01	RT03		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT04		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT05		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT06		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT07		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT08		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT09		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT10		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT11		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT12		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT13		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT14		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT15		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RT16		00MNP05471610	00MNP05471610	CHIP RES.	470 OHM +-5% 1/16W
PD01	RT17		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT18		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT19		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT20		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT21		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT22		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT23		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT24		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT25		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RT26		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT27		00MNP05392610	00MNP05392610	CHIP RES.	3.9K OHM 1/16W
PD01	RT28		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT29		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT30		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT31		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT32		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RT33		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RT34		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT35		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RT36		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RT37		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RT38		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RT39		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT42		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT51		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RT52		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT53		00MNP05222610	00MNP05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PD01	RT54		00MNP05182610	00MNP05182610	CHIP RES.	1.8K OHM 1/16W
PD01	RT55		00MNP05392610	00MNP05392610	CHIP RES.	3.9K OHM 1/16W
PD01	RT56		00MNP05221610	00MNP05221610	CHIP RES.	220 OHM +-5% 1/16W
PD01	RT57		00MNP05680610	00MNP05680610	CHIP RES.	68 OHM 1/16W
PD01	RT58		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT59		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT60		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT61		00MNP05221610	00MNP05221610	CHIP RES.	220 OHM +-5% 1/16W
PD01	RT65		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT66		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT69		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT70		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT71		00MNP05103610	00MNP05103610	CHIP RES.	10K OHM +-5% 1/16W
PD01	RT72		00MNP05473610	00MNP05473610	CHIP RES.	47K OHM +-5% 1/16W
PD01	RT73		00MNP05101610	00MNP05101610	CHIP RES.	100 OHM +-5% 1/16W
PD01	RT74		00MNP05182610	00MNP05182610	CHIP RES.	1.8K OHM 1/16W
PD01	RT75		00MNP05182610	00MNP05182610	CHIP RES.	1.8K OHM 1/16W
PD01	RT76		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT77		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT91		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RT92		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW01		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW02		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW03		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RW04		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RW05		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PD01	RW06		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RW09		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RW10		00MNP05100610	00MNP05100610	CHIP RES.	10 OHM +-5% 1/16W
PD01	RW11		00MNP05330610	00MNP05330610	CHIP RES.	33 OHM +-5% 1/16W
PD01	RW12		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW13		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW14		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW15		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW16		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW17		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW18		00MNP05330610	00MNP05330610	CHIP RES.	33 OHM +-5% 1/16W
PD01	RW19		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW20		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW21		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW22		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW23		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW25		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW26		00MNP05100610	00MNP05100610	CHIP RES.	10 OHM +-5% 1/16W
PD01	RW27		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW28		00MNP05102610	00MNP05102610	CHIP RES.	1K OHM +-5% 1/16W
PD01	RW29		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW30		00MNP05102610	00MNP05102610	CHIP RES.	1K OHM +-5% 1/16W
PD01	RW31		00MNP05223610	00MNP05223610	CHIP RES.	22K OHM +-5% 1/16W
PD01	RW32		00MNP05223610	00MNP05223610	CHIP RES.	22K OHM +-5% 1/16W
PD01	RW33		00MNP05000610	00MNP05000610	CHIP RES.	0 OHM 1/16W
PD01	RW36		00MNP05472610	00MNP05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PD01	RW38		00MNP05220610	00MNP05220610	CHIP RES.	22 OHM +-5% 1/16W
PD01	RW41		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW42		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW43		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW44		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW45		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW46		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW47		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW48		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW49		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW51		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW52		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW53		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW54		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW55		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW56		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW57		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW58		00MBW05220350	00MBW05220350	RES. COMPO.	CN1J4TTD220J 22 OHM +-5% X4
PD01	RW59		00MNP05100610	00MNP05100610	CHIP RES.	10 OHM +-5% 1/16W
PD01	RW60		00MNP05100610	00MNP05100610	CHIP RES.	10 OHM +-5% 1/16W
PD01	RW61		00MNP05100610	00MNP05100610	CHIP RES.	10 OHM +-5% 1/16W
PD01	RW62		00MBW05472350	00MBW05472350	RES. COMPO.	CN1J4TTD472J 4.7K OHM +-5% X4
PD01	XW02		00MJX30001470	00MJX30001470	X'TAL	DSO321SV 30MHZ 100PPM
					FRONT1 PWB (00MWG21AK401-)	
PF01	CF01		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF02		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF03		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF04		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF05		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF06		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF07		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF11		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	CF12		nsp	00MDK98473300	CER. CAP.	0.047UF
PF01	CF15		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF17		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF24		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF71		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF72		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF73		nsp	00MDD95270300	CER. CAP.	27PF (GR39)
PF01	CF74		nsp	00MDK98473300	CER. CAP.	0.047UF

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PF01	CF80		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PF01	CF81		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PF01	DF31		00MHI10062320	00MHI10062320	L.E.D.	LT3D8B RED 30
PF01	LF01		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PF01	LF02		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PF01	LF03		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PF01	LF71		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PF01	LF72		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PF01	QF21		00MBA10026210	00MBA10026210	TRS.	DTA114EU
PF01	QF31		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PF01	QF36		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PF01	QF71		00MHC10416030	00MHC10416030	IC	FL DRIVER LC75712NE
PF01	QF80		00MHC007805K0	00MHC007805K0	IC	TC74VHCT125AFT OUADE BUS BUFFER
PF01	RF01		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF02		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF03		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF04		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF05		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF06		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF07		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF08		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF09		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF10		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF11		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PF01	RF12		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PF01	RF21		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PF01	RF23		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PF01	RF31		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PF01	RF32		nsp	00MNN05272610	CHIP RES.	2.7K OHM +-5% 1/16W
PF01	RF37		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PF01	RF38		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PF01	RF42		nsp	00MNN05562610	CHIP RES.	5.6K OHM +-5% 1/16W
PF01	RF43		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PF01	RF45		nsp	00MNN05562610	CHIP RES.	5.6K OHM +-5% 1/16W
PF01	RF46		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PF01	RF48		nsp	00MNN05562610	CHIP RES.	5.6K OHM +-5% 1/16W
PF01	RF71		nsp	00MNN05153610	CHIP RES.	15K OHM +-5% 1/16W
PF01	RF72		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PF01	RF80		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PF01	SF01		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF02		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF03		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF04		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF05		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF06		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF07		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	SF08		00MSP01012030	00MSP01012030	PUSH SW	SKHVBF 260GF RED
PF01	VF01		00MHQ31303920	00MHQ31303920	DISPLAY	CH2163C
PF01	ZF21		00MHW10004210	00MHW10004210	PHOTO UNIT	RPM6936-V4 (IR SENSOR)
					HP PWB(00MWG21AK403-)	
PH01	C959		nsp	00MOA22701620	ELECT. CAP.	220 UF M 16V RA-2
PH01	C960		nsp	00MOA22701620	ELECT. CAP.	220 UF M 16V RA-2
PH01	C961		nsp	00MOA47601620	ELECT. CAP.	47 UF M 16V RA-2
PH01	C962		nsp	00MOA47601620	ELECT. CAP.	47 UF M 16V RA-2
PH01	C963		nsp	00MOA47601620	ELECT. CAP.	47 UF M 16V RA-2
PH01	C964		nsp	00MOA47601620	ELECT. CAP.	47 UF M 16V RA-2
PH01	C965		00MDF15332350	00MDF15332350	FILM CAP.	0.0033UF,J,M,50V
PH01	C966		00MDF15332350	00MDF15332350	FILM CAP.	0.0033UF,J,M,50V
PH01	C967		00MDF15222350	00MDF15222350	FILM CAP.	0.0022UF,J,M,50V
PH01	C968		00MDF15222350	00MDF15222350	FILM CAP.	0.0022UF,J,M,50V
PH01	C969		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PH01	C970		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PH01	C971		nsp	00MOA47601620	ELECT. CAP.	47 UF M 16V RA-2
PH01	C972		nsp	00MOA47601620	ELECT. CAP.	47 UF M 16V RA-2
PH01	C973		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PH01	C974		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PH01	J952		00MYJ01004240	00MYJ01004240	JACK	HLJ2307-01-3160

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PH01	L957		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L958		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L959		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L960		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L961		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L962		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L963		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	L964		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PH01	Q951		00MHC10011090	00MHC10011090	IC	NJM4558M-TE1
PH01	Q952		00MHC10045090	00MHC10045090	IC	NJM4556AM-TE1
PH01	Q953		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PH01	Q954		00MBA20016050	00MBA20016050	TRS.	HN1C03F(B)(NPNX2(MUTING))
PH01	R954		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PH01	R955		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R956		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R957		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R958		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R959		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R960		nsp	00MNN05272610	CHIP RES.	2.7K OHM +-5% 1/16W
PH01	R961		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R962		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R963		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PH01	R964		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R965		00MRM01031220	00MRM01031220	VAR. RES.	RK09L12B0 10K B ALPS
PH01	R967		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R968		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R969		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R970		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R971		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PH01	R972		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PH01	R973		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PH01	R974		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PH01	R975		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PH01	R976		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PH01	R977		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PH01	R978		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PH01	R979		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R980		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R981		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R982		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PH01	R983		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PH01	R984		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
					IEEE1394 PWB (00MW125AK102-)	
PI01	CI01		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PI01	CI02		nsp	00MDD95150300	CER. CAP.	15 PF +-5% CG 50V GR39
PI01	CI03		nsp	00MDD95150300	CER. CAP.	15 PF +-5% CG 50V GR39
PI01	CI04		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PI01	CI05		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PI01	CI06		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PI01	CI07		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PI01	CI08		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PI01	CI09		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PI01	CI10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI12		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI14		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI16		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI18		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI20		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI22		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PI01	CI23		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI25		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI27		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI29		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI31		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI34		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI36		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI38		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PI01	CI40		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI42		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI44		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI45		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI46		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI50		nsp	00MDD95221300	CER. CAP.	220 PF +-5% CG 50V GR39
PI01	CI51		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PI01	CI52		nsp	00MDD95221300	CER. CAP.	220 PF +-5% CG 50V GR39
PI01	CI53		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PI01	CI61		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI64		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI65		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PI01	CI91		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PI01	CI92		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI93		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CI94		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ01		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PI01	CJ02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ03		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ04		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ05		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ07		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ08		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PI01	CJ09		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PI01	CJ10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ50		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ51		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ60		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PI01	CJ61		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PI01	FI01		00MFM31474010	00MFM31474010	EMI FILTER	NFM2012P13C474R
PI01	FI02		00MFM31474010	00MFM31474010	EMI FILTER	NFM2012P13C474R
PI01	FI50		00MFM21000080	00MFM21000080	EMI FILTER	DLW21HN121SQ2
PI01	FI51		00MFM21000080	00MFM21000080	EMI FILTER	DLW21HN121SQ2
PI01	FI53		00MFM21000080	00MFM21000080	EMI FILTER	DLW21HN121SQ2
PI01	FI54		00MFM21000080	00MFM21000080	EMI FILTER	DLW21HN121SQ2
PI01	FJ01		00MFM31474010	00MFM31474010	EMI FILTER	NFM2012P13C474R
PI01	J150		00MYJ90014660	00MYJ90014660	JACK	CSS5004-1062F 1394 4P
PI01	J151		00MYJ90014660	00MYJ90014660	JACK	CSS5004-1062F 1394 4P
PI01	J160		00MYJ07021170	00MYJ07021170	JACK	16FLT-SM2-TB(LF)(SN)
PI01	J162		00MYJ07021160	00MYJ07021160	JACK	14FLT-SM2-TB(LF)(SN)
PI01	QI01		00MHC10142370	00MHC10142370	IC	TSB43CA42PGF ICELYNX-MICRO
PI01	QI90		00MHC91930210	00MHC91930210	IC	BA33BCOWFP
PI01	QJ01		00MHS25AKH00F	00MHS25AKH00F	U-PRO	H8S/2367
PI01	QJ02		00MHC010405K0	00MHC010405K0	IC	TC74LCX86FT
PI01	QJ50		90M-HS25AKX0R	90M-HS25AKX0R	U-PRO	M29W800DT70N1 PROGRAMMED IEEE1394 DV9600
PI01	QJ60		00MHC10114530	00MHC10114530	IC	S-80810CNB-B9O-T2 1.0V DTC.
PI01	QJ61		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PI01	QJ62		00MBA10026210	00MBA10026210	TRS.	DTA114EU
PI01	QJ63		00MBA10026210	00MBA10026210	TRS.	DTA114EU
PI01	RI01		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI02		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI05		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI06		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI07		00MNM36341020	00MNM36341020	CHIP RES.	RK73H1JTTD6341D 6.34K OHM +-0.5% 1/10W
PI01	RI08		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PI01	RI09		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI10		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI11		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PI01	RI12		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PI01	RI13		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI14		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI15		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI16		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI17		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI19		00MBW05102350	00MBW05102350	RES. COMPO.	CN1J4TTD102J 1K OHM +-5% X4
PI01	RI20		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PI01	RI21		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI22		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI23		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI24		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI25		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI26		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI27		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI28		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RI29		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI30		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PI01	RI50		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI51		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI52		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI53		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI54		00MNM15101020	00MNM15101020	CHIP RES.	RK73H1JTDD5101F 5.1K OHM +-1% 1/10W
PI01	RI55		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI56		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI57		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI58		00MNM3560G020	00MNM3560G020	CHIP RES.	RK73H1JTDD0560D 56 OHM +-0.5% 1/10W
PI01	RI59		00MNM15101020	00MNM15101020	CHIP RES.	RK73H1JTDD5101F 5.1K OHM +-1% 1/10W
PI01	RJ01		nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PI01	RJ02		nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PI01	RJ03		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ04		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ05		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ06		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ07		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ08		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ09		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PI01	RJ10		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PI01	RJ11		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RJ12		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RJ13		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RJ14		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ15		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ16		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ17		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ18		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PI01	RJ19		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ20		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ21		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ22		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ23		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ24		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ25		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ26		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PI01	RJ27		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ28		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ29		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ30		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ31		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ32		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ33		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ34		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ35		00MBW05472350	00MBW05472350	RES. COMPO.	CN1J4TTD472J 4.7K OHM +-5% X4
PI01	RJ36		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PI01	RJ37		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PI01	RJ38		nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PI01	RJ39		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PI01	RJ41		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ42		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ43		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ44		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ45		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PI01	RJ60		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PI01	RJ61		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PI01	RJ62		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PI01	SJ01		00MSS04040140	00MSS04040140	SLIDE SW	CHS-04TB1 DIP SWITCH
PI01	XI01		00MJX24006350	00MJX24006350	XTAL	SMD-49 24.576MHZ +- 10 PPM
PI01	XJ01		00MFQ01605120	00MFQ01605120	CER. VIB.	CSTCE16M0V53-R0
					LED PWB (00MWG21AK402-)	
PL01	DF33		00MHI10062320	00MHI10062320	L.E.D.	LT3D8B RED 30
					MAIN PWB (00MWI25AK101-)	
PM01	C103		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C104		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C105		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C106		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C107		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C108		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C109		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C110		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C111		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C112		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C113		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C114		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C117		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C118		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C119		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C120		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C121		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C122		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C123		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C124		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C125		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C126		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C127		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C128		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C129		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C130		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C131		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C132		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C133		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C134		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C135		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C136		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C137		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C138		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C139		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C140		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C141		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C142		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C143		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C144		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C145		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C146		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C147		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C151		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C152		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C153		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C154		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C155		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C156		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C157		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C158		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C159		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C160		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C161		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	C162		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C164		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C165		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	C166		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C168		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C169		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C170		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	C171		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C172		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C173		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C174		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C175		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C176		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C177		nsp	00MDD95220300	CER. CAP.	22 PF +-5% CG 50V GR39
PM01	C178		nsp	00MDD95220300	CER. CAP.	22 PF +-5% CG 50V GR39
PM01	C179		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C180		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C181		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C182		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C183		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C184		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C185		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C186		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C189		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C190		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C191		nsp	00MDK96154200	CER. CAP.	0.15UF +-10% B 10V
PM01	C192		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C193		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C210		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C211		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C212		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C213		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C214		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C215		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C216		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C217		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C218		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C219		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C220		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C221		00MEY47601620	00MEY47601620	ELECT CAP.	47UF 16V
PM01	C222		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C223		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C224		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C230		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C231		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C232		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C234		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C235		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C236		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C237		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C242		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C243		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C244		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C245		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C246		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C247		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C248		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C253		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C254		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C255		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C256		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PM01	C258		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C259		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C260		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C261		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C263		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C264		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C265		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C266		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C267		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C268		nsp	00MDK96154200	CER. CAP.	0.15UF +-10% B 10V
PM01	C301		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C302		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C303		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	C304		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C305		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C306		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C307		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C308		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C309		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C310		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C311		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C312		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C313		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C314		00MEY22501670	00MEY22501670	TANTL.CAP CHIP	2.2UF 16V
PM01	C315		nsp	00MDK96105200	CER. CAP.	1UF B 6.3V
PM01	C316		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C317		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C318		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C319		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C320		nsp	00MDK96122300	CER. CAP.	1200 PF
PM01	C321		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C322		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C323		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C324		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C325		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C326		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C327		nsp	00MDK98473300	CER. CAP.	0.047UF
PM01	C328		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C329		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C330		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C331		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C332		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C333		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C334		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C335		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C336		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C337		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C338		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C339		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C340		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PM01	C341		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C342		nsp	00MDD95680300	CER. CAP.	68PF (GR39)
PM01	C343		00MEY22601070	00MEY22601070	TANTL.CAP CHIP	22UF 10V
PM01	C344		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C345		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C346		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C347		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C348		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C349		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C350		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C351		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C352		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C353		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C401		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C402		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C403		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C404		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C405		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C406		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C407		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C408		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C409		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C410		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C411		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C412		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C413		nsp	00MDD90020300	CER. CAP.	2 PF +- 0.25 PF CK 50V GR39
PM01	C414		nsp	00MDD90020300	CER. CAP.	2 PF +- 0.25 PF CK 50V GR39
PM01	C415		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C416		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C417		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	C418		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C419		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C420		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C421		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C422		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C423		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C424		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C425		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C426		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C427		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C428		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C429		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C430		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C431		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C432		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C433		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C434		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C435		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C436		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C437		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C438		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C439		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C440		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C441		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C442		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C443		00MEY10701620	00MEY10701620	ELECT CAP.	100UF 16V
PM01	C444		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C445		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C446		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C447		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C448		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C449		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C450		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C451		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C452		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C453		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C454		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C455		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C456		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C457		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C458		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C459		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C460		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C461		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C462		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C463		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C464		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C465		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C468		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C501		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C502		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C503		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C510		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C511		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C512		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C513		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C514		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C515		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C516		nsp	00MDK96222300	CER. CAP.	2200PF (GR39)
PM01	C517		nsp	00MDD95220300	CER. CAP.	22 PF +-5% CG 50V GR39
PM01	C518		nsp	00MDD95220300	CER. CAP.	22 PF +-5% CG 50V GR39
PM01	C519		nsp	00MDD95220300	CER. CAP.	22 PF +-5% CG 50V GR39
PM01	C520		nsp	00MDD95220300	CER. CAP.	22 PF +-5% CG 50V GR39
PM01	C521		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C522		nsp	00MDK96472300	CER. CAP.	4700 PF +-10% B 50V GR39
PM01	C523		nsp	00MDK96472300	CER. CAP.	4700 PF +-10% B 50V GR39
PM01	C524		nsp	00MDK96331300	CER. CAP.	330PF (GR39)

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	C525		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C526		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C527		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C528		00MEY47601620	00MEY47601620	ELECT CAP.	47UF 16V
PM01	C529		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C530		00MEY47601620	00MEY47601620	ELECT CAP.	47UF 16V
PM01	C531		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C532		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C533		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C534		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C535		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C536		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C537		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C538		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C539		nsp	00MDD95151300	CER. CAP.	150 PF +-5% CG 50V GR39
PM01	C540		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C545		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C546		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C547		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C548		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C549		00MEY10701620	00MEY10701620	ELECT CAP.	100UF 16V
PM01	C550		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C551		nsp	00MDK96224200	CER. CAP.	0.22UF +-10% B 10V
PM01	C552		nsp	00MDK96224200	CER. CAP.	0.22UF +-10% B 10V
PM01	C553		nsp	00MDK96224200	CER. CAP.	0.22UF +-10% B 10V
PM01	C554		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C555		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C556		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C558		nsp	00MDK96224200	CER. CAP.	0.22UF +-10% B 10V
PM01	C559		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C560		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C561		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C562		nsp	00MDK98473300	CER. CAP.	0.047UF
PM01	C563		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C564		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C565		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C566		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C567		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C568		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C569		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	C570		00MEY47700620	00MEY47700620	ELECT CAP.	470U/6.3V RV-6.3V471MG10
PM01	C571		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C572		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C573		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C574		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C575		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C576		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C578		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C580		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C581		nsp	00MDK98473300	CER. CAP.	0.047UF
PM01	C582		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C583		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C584		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C585		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	C586		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	C587		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C588		nsp	00MDK96331300	CER. CAP.	330PF (GR39)
PM01	C589		nsp	00MDK96154200	CER. CAP.	0.15UF +-10% B 10V
PM01	C590		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	C591		nsp	00MDK96331300	CER. CAP.	330PF (GR39)
PM01	C592		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	C593		nsp	00MDK96154200	CER. CAP.	0.15UF +-10% B 10V
PM01	C594		nsp	00MDK96471300	CER. CAP.	470PF (GR39)
PM01	C595		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C596		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C597		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	C598		nsp	00MDK96223200	CER. CAP.	0.022 UF +-10% XTR 16V

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	C599		nsp	00MDK96223200	CER. CAP.	0.022 UF +-10% XTR 16V
PM01	C600		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C601		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C602		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C603		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C604		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C605		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C606		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C607		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C608		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C609		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C612		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C615		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C616		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C617		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C618		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C619		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C620		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C621		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C622		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C623		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C624		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C625		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C629		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C630		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C631		nsp	00MDK96682300	CER. CAP.	6800PF (GR39)
PM01	C632		nsp	00MDK96682300	CER. CAP.	6800PF (GR39)
PM01	C633		nsp	00MDK96102300	CER. CAP.	1000 PF +-10% B 50V GR36
PM01	C634		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	C635		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	C636		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C637		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	C638		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C639		nsp	00MDK96682300	CER. CAP.	6800PF (GR39)
PM01	C701		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C702		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C703		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C704		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C705		00MEY10601620	00MEY10601620	ELECT CAP.	10UF 16V
PM01	C706		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C707		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C708		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C709		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C710		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C711		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C712		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C713		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C714		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C715		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C719		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	C950		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C951		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C952		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C953		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C954		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C955		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C956		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C957		00MEY22601620	00MEY22601620	ELECT CAP.	22UF 16V
PM01	C958		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C975		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C976		nsp	00MDK96104300	CER. CAP.	C1608X7R1H104K
PM01	C978		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK01		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK02		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	CK03		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK04		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	CK07		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK08		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK12		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK13		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK14		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK17		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK18		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK19		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK20		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK21		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK23		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK24		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK25		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK26		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	CK27		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK28		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK29		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK30		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK31		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK32		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK33		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK34		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK35		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK36		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK37		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK38		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK39		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK40		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK41		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK42		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK43		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK45		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK46		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK47		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK48		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK49		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK50		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK51		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK52		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK54		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK55		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK61		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK62		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK63		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK64		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK65		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK66		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK67		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK68		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK69		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK70		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK71		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK72		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK73		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK74		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK75		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK76		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK77		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK78		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK79		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK80		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK81		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK82		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK91		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF 10V
PM01	CK92		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	CK93		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK94		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK95		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF 10V
PM01	CK96		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK97		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CK98		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CK99		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CM01		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CM02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM03		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CM04		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM05		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM07		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM08		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM09		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	CM10		nsp	00MDK96821300	CER. CAP.	820PF +- 10%
PM01	CM11		nsp	00MDK96392300	CER. CAP.	W5R 0.0039UF
PM01	CM13		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM14		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM15		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM16		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM17		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CM19		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CM20		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM21		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM23		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CM24		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM25		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM26		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM27		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CM28		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM29		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM30		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM31		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM91		00MEY10601070	00MEY10601070	TANTL.CAP CHIP	10UF 10V
PM01	CM92		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CM93		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CM94		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN01	/N1S	00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CN02	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN03	/N1S	00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CN04	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN05	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN06	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN07	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN08	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN09	/N1S	nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PM01	CN10	/N1S	nsp	00MDK96821300	CER. CAP.	820PF +- 10%
PM01	CN11	/N1S	nsp	00MDK96392300	CER. CAP.	W5R 0.0039UF
PM01	CN13	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN14	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN15	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN16	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN17	/N1S	nsp	00MDK98105200	CER. CAP.	1UF 10V F
PM01	CN19	/N1S	00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CN20	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN21	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN22	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN23	/N1S	00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CN24	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN25	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CN26	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU01		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU03		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	CU04		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU05		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU07		nsp	00MDD95101300	CER. CAP.	100 PF +-5% CG 50V GR39
PM01	CU23		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU91		00MEY47601620	00MEY47601620	ELECT CAP.	47UF 16V
PM01	CU92		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU93		00MEY10700620	00MEY10700620	ELECT CAP.	100UF 6.3V
PM01	CU94		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	CU95		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PM01	D101		00MHZ21303210	00MHZ21303210	CHIP DIODE	DIOD 1SS355
PM01	D102		00MHZ21303210	00MHZ21303210	CHIP DIODE	DIOD 1SS355
PM01	D103		00MHZ21303210	00MHZ21303210	CHIP DIODE	DIOD 1SS355
PM01	D104		00MHZ21303210	00MHZ21303210	CHIP DIODE	DIOD 1SS355
PM01	D105		00MHZ21303210	00MHZ21303210	CHIP DIODE	DIOD 1SS355
PM01	D108		00MHZ21303210	00MHZ21303210	CHIP DIODE	DIOD 1SS355
PM01	D501		00MHZ20002020	00MHZ20002020	CHIP DIODE	MA151WA-(TX)
PM01	D502		00MHZ20002020	00MHZ20002020	CHIP DIODE	MA151WA-(TX)
PM01	DU01		00MHZ20038050	00MHZ20038050	CHIP DIODE	1SS300
PM01	DU02		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PM01	DU03		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PM01	DU04		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PM01	J503		00MYJ07061090	00MYJ07061090	JACK	52207-1590 1MM FFC 15P
PM01	J506		00MYJ07016680	00MYJ07016680	JACK	24FLZ-SM1-TB
PM01	J702		00MYJ07021160	00MYJ07021160	JACK	14FLT-SM2-TB(LF)(SN)
PM01	J703		00MYJ07021170	00MYJ07021170	JACK	16FLT-SM2-TB(LF)(SN)
PM01	JK01		00MYJ07060190	00MYJ07060190	JACK	40FLT-SM1-TB
PM01	L101		00MFM12223020	00MFM12223020	EMI FILTER	DSS306-55F223Z16 DC MAX:16V
PM01	L102		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L103		00MFC90020220	00MFC90020220	FERRITE CORE	BLM18AG121SN1D
PM01	L104		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L105		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L109		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L110		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L111		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L112		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L114		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L115		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L116		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L117		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L118		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L119		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L122		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	L301		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L302		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L401		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L402		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L403		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L404		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L405		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L406		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L407		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L501		nsp	00MNN05331610	CHIP RES.	330 OHM +-5% 1/16W
PM01	L502		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L503		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L702		00MFC90020150	00MFC90020150	FERRITE CORE	BLM11P300S
PM01	L951		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L952		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L953		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L954		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L955		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	L956		00MFC90020200	00MFC90020200	FERRITE CORE	BLM18BA121SN1
PM01	LK01		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK02		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK03		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK04		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK05		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	LK06		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK11		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	LK12		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK13		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK14		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK15		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK16		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK17		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK18		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK19		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK20		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK21		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK22		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK23		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK24		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK25		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK26		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK27		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK28		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK29		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK30		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK31		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK34		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK37		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LK38		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LM01		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LM02		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LM03		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	LM04		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	LM05		00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	LM08		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	LM09		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	LM10		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LN01	/N1S	00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LN02	/N1S	00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PM01	LN03	/N1S	00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	LN04	/N1S	00MLU12103010	00MLU12103010	CHIP INDUCTANCE	NL322522-100K
PM01	LU01		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	LU02		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	LU03		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	Q101		00MHC11039200	00MHC11039200	IC	M65776BFP
PM01	Q102		00MHC11040200	00MHC11040200	IC	M32102S6FP
PM01	Q103		00MHS25AKM30F	00MHS25AKM30F	U-PRO	M5M29KB331AVP
PM01	Q104		00MHC12250990	00MHC12250990	IC	W986416DH-7/W9864G6EH-7 (PB FREE)
PM01	Q105		00MHC10016350	00MHC10016350	IC	SM8707EV
PM01	Q108		00MHC000337K0	00MHC000337K0	IC	SN74LV138APWR
PM01	Q109		00MHC000437K0	00MHC000437K0	IC	SN74LV273ANSR
PM01	Q111		00MHC000137K0	00MHC000137K0	IC	SN74LV04APWR
PM01	Q112		00MHC700405Z0	00MHC700405Z0	IC	TC7SU04F
PM01	Q113		00MHC10433990	00MHC10433990	IC	AT24C08AN-10SI-2.7
PM01	Q114		00MHC96J33210	00MHC96J33210	IC	BA033FP 3.3V 1A PD=1W VD=0.3V
PM01	Q115		00MHC98J18210	00MHC98J18210	IC	BA18BC0FP-E2 1.8V REG.
PM01	Q116		00MHC98907320	00MHC98907320	IC	IPQ070XZ01ZP
PM01	Q117		00MHC96J33210	00MHC96J33210	IC	BA033FP 3.3V 1A PD=1W VD=0.3V
PM01	Q118		00MHC98J18210	00MHC98J18210	IC	BA18BC0FP-E2 1.8V REG.
PM01	Q119		00MHC98907320	00MHC98907320	IC	IPQ070XZ01ZP
PM01	Q203		00MHC000537K0	00MHC000537K0	IC	SN74LV244APWR
PM01	Q204		00MHC010805K0	00MHC010805K0	IC	TC74VHC157F
PM01	Q205		00MHC010805K0	00MHC010805K0	IC	TC74VHC157F
PM01	Q206		00MHC010805K0	00MHC010805K0	IC	TC74VHC157F
PM01	Q207		00MHC005805K0	00MHC005805K0	IC	TC74VHC157FT TAPING
PM01	Q301		00MHC10021880	00MHC10021880	IC	CS494003-CQ
PM01	Q302		90M-HS21AKX0R	90M-HS21AKX0R	IC	MX29LV400TTC-70 4M / M29W400BT70N1
PM01	Q303		00MHC10004910	00MHC10004910	IC	K4S161622D-TC60
PM01	Q304		00MHC10019880	00MHC10019880	IC	CS8420-CS
PM01	Q305		00MHC10017350	00MHC10017350	IC	SM5819AF
PM01	Q306		00MHC010505K0	00MHC010505K0	IC	TC74VHCT32AFT

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	Q307		00MHC005805K0	00MHC005805K0	IC	TC74VHC157FT TAPING
PM01	Q308		00MHC700801P0	00MHC700801P0	IC	HD74LVC08
PM01	Q401		00MHC10081250	00MHC10081250	IC	CXD2753R DSD DSP
PM01	Q402		00MHC10156990	00MHC10156990	IC	EM636165TS-7
PM01	Q403		00MHC10209990	00MHC10209990	IC	AD8062-REEL7
PM01	Q404		00MHC12249990	00MHC12249990	IC	EPM3128ATC100-10N FOR DVD
PM01	Q405		00MHC000137K0	00MHC000137K0	IC	SN74LV04APWR
PM01	Q501		00D2623219001	00D2623219001	IC	CXD1881AR/BR +C
PM01	Q502		00MHC10084250	00MHC10084250	IC	CXD1885Q
PM01	Q503		00D2623409002	00D2623409002	IC	MSM51V18165F-50TSK-7
PM01	Q505		00MHC10178020	00MHC10178020	IC	AN8471SA-E1
PM01	Q507		00MHC700805S0	00MHC700805S0	IC	TC7S08F TOSHIBA TAPING
PM01	Q508		00MHC10018110	00MHC10018110	IC	FAN8042
PM01	Q510		00MHX211322A0	00MHX211322A0	CHIP TRS.	2SB1132Q,R
PM01	Q511		00MHX211322A0	00MHX211322A0	CHIP TRS.	2SB1132Q,R
PM01	Q512		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	Q701		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	Q703		00MHC10055990	00MHC10055990	IC	EPM3064ATC44-10N
PM01	Q705		00MHC10010210	00MHC10010210	IC	BU2370FV
PM01	Q706		00MHC10084090	00MHC10084090	IC	NJM2107F JRC
PM01	Q707		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	Q710		00MHC10224210	00MHC10224210	IC	BD4742G RESET IC 4.2V
PM01	Q950		00MHC10025880	00MHC10025880	IC	CS4392-KZZ LEAD FREE
PM01	Q955		00MHC10440050	00MHC10440050	IC	TC7SH08FU
PM01	QK01		00MHC10022660	00MHC10022660	IC	CM0039AF IP-CONVERTER
PM01	QK03		00MHC10001910	00MHC10001910	IC	K4S643232E-TC60/K4S643232H-TC60
PM01	QK05		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	QK06		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	QK07		00MHC10384050	00MHC10384050	IC	TC7S66FU
PM01	QK08		00MHC10384050	00MHC10384050	IC	TC7S66FU
PM01	QK09		00MHC10440050	00MHC10440050	IC	TC7SH08FU
PM01	QK10		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	QK11		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	QK12		00MHC10440050	00MHC10440050	IC	TC7SH08FU
PM01	QK13		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	QK14		00MHC006105K0	00MHC006105K0	IC	TC74VHC541FT
PM01	QK15		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PM01	QK91		00MHC91930210	00MHC91930210	IC	BA33BCOWFP
PM01	QK92		00MHC91J18210	00MHC91J18210	IC	BA18BCOWFP
PM01	QM01		00MHC10092840	00MHC10092840	IC	ADV7324 VIDEO-ENCODER
PM01	QM02		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QM03		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QM04		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QM05		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QM06		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QM07		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QM08		00MHC10440050	00MHC10440050	IC	TC7SH08FU
PM01	QM91		00MHC10228210	00MHC10228210	IC	BA25BCOWFP 2.5V REG.
PM01	QN01	/N1S	00D2623478004	00D2623478004	IC	ADV7320
PM01	QN02	/N1S	00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QN03	/N1S	00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QN04	/N1S	00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QU01		00MHS25AKH20F	00MHS25AKH20F	U-PRO	HD64F2238RFA13
PM01	QU02		00MHC10431990	00MHC10431990	IC	AT24C04N-10SI-1.8
PM01	QU03		00MHC10229210	00MHC10229210	IC	BD4727G 2.7V RESET IC
PM01	QU04		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QU05		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QU06		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PM01	QU07		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PM01	QU08		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PM01	QU09		00MBA10026210	00MBA10026210	TRS.	DTA114EU
PM01	QU10		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PM01	QU15		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PM01	QU16		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PM01	QU91		00MHC98203090	00MHC98203090	IC	NJU7222U33-TE1 3.3V REG.
PM01	QU92		00MHC10047990	00MHC10047990	IC	MAX7315AUE+T
PM01	R101		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R102		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R104		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R105		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R106		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PM01	R107		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R108		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R110		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R111		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R112		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R113		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R114		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R115		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R116		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R117		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R119		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R120		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R121		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R122		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R123		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R124		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R125		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R127		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R128		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R129		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R130		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R131		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R132		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R133		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R134		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R135		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R136		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R137		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R138		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R139		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R140		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R141		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R142		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R143		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R144		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R145		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R146		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R147		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R148		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R149		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PM01	R150		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PM01	R151		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R152		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R153		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R154		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R155		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R156		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R159		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R160		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R161		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R162		00MFC90020110	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PM01	R163		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R164		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R166		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R167		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R168		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R169		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R170		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R172		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R173		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R175		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R182		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R183		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R187		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R189		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R190		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R191		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R192		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R194		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R195		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R196		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R197		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R198		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R199		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R201		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R202		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R203		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R204		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R205		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R206		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R207		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R208		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R209		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R210		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R211		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R212		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R213		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R214		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R215		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R220		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R221		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R227		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	R228		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R229		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R230		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R233		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R234		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R235		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R236		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R237		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R238		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R239		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R240		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R241		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R242		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R243		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R246		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R248		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R249		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R251		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R252		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R253		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R255		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R256		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R257		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R262		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R263		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R265		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R266		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R267		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R268		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R269		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R270		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R271		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R272		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R273		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R274		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R275		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R276		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R277		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R278		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R279		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R280		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R281		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R282		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R283		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R284		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R285		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R286		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R288		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R289		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R290		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R291		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R292		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R293		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R294		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R295		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R296		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R297		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R298		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	R301		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R302		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R303		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R304		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R305		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R306		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R307		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R308		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R309		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R310		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R311		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R312		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R313		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R314		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R315		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R319		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R326		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R327		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R328		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R329		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R330		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R331		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R332		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R333		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R334		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R335		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R336		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R337		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R338		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R339		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R340		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R341		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R342		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R343		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R345		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R346		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R347		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R348		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R349		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R350		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R352		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R353		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R354		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R355		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R356		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R357		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R358		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R360		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R361		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R362		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R363		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R364		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R365		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R366		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R367		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R368		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R369		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R370		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R374		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R375		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R376		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R377		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R378		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R379		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R380		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R381		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R382		nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PM01	R383		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R390		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R391		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R392		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R394		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R395		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R396		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R397		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R398		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R401		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R402		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R403		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R404		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R405		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R406		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R407		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R408		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R409		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R410		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R411		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R412		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R413		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R414		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R415		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R416		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R417		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R418		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R419		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R420		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R421		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R422		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R423		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PM01	R424		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PM01	R425		nsp	00MNN05202610	CHIP RES.	MCR03EZHUJ202
PM01	R426		nsp	00MNN05202610	CHIP RES.	MCR03EZHUJ202
PM01	R427		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R428		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R429		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R430		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R431		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R432		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R433		nsp	00MNN05222610	CHIP RES.	2.2K OHM +-5% 1/16W
PM01	R434		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R435		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R436		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R437		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R438		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R439		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R440		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R441		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R442		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R443		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R444		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R445		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R446		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R447		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R448		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R449		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R450		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R451		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R452		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R453		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R454		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R455		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R456		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R459		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R460		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R461		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R462		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R463		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R464		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R465		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R466		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R467		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R468		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R475		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R476		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R481		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R482		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R483		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R484		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R485		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R486		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R490		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R491		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R501		nsp	00MNN05820610	CHIP RES.	82 OHM +-5% 1/16W
PM01	R502		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R505		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R506		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R507		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R508		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R509		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R510		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R511		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R512		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R513		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R514		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R515		nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PM01	R516		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PM01	R517		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PM01	R518		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PM01	R519		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PM01	R520		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R521		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R522		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R523		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R524		nsp	00MNN05124610	CHIP RES.	120K OHM +-5% 1/16W
PM01	R527		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R528		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R534		nsp	00MNN05124610	CHIP RES.	120K OHM +-5% 1/16W
PM01	R536		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R537		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PM01	R538		nsp	00MNN05181610	CHIP RES.	180 OHM +-5% 1/16W
PM01	R539		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R540		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PM01	R542		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R544		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R545		00MNI01123110	00MNI01123110	CHIP RES.	12K OHM +- 1% 1/10W
PM01	R547		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R548		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R549		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R550		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R551		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R552		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R553		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PM01	R554		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R555		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R556		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R557		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R558		nsp	00MNN05182610	CHIP RES.	1.8K OHM +-5% 1/16W
PM01	R559		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PM01	R560		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	R561		nsp	00MNN05683610	CHIP RES.	68K OHM +-5% 1/16W
PM01	R562		nsp	00MNN05471610	CHIP RES.	470 OHM +-5% 1/16W
PM01	R563		nsp	00MNN05154610	CHIP RES.	150K OHM +-5% 1/16W
PM01	R564		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	R565		nsp	00MNN05154610	CHIP RES.	150K OHM +-5% 1/16W
PM01	R566		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R567		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R568		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R570		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	R574		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R577		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R592		nsp	00MNN05010610	CHIP RES.	1 OHM +-5% 1/16W
PM01	R593		nsp	00MNN05010610	CHIP RES.	1 OHM +-5% 1/16W
PM01	R594		nsp	00MNN05010610	CHIP RES.	1 OHM +-5% 1/16W
PM01	R595		nsp	00MNN05010610	CHIP RES.	1 OHM +-5% 1/16W
PM01	R601		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R602		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R603		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R604		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R605		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R606		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R607		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	R608		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R609		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R610		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R611		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R612		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	R615		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R616		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R617		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R618		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R620		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R621		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R622		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R623		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R624		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R625		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R626		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R627		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R628		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R629		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R630		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R631		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R632		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R633		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R634		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R635		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R636		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R637		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R638		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R639		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R640		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R641		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R642		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R643		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R644		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R645		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R646		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R647		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R648		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R649		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R650		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R651		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R652		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R653		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R654		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R655		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R656		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R657		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R658		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R659		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R660		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R661		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R662		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R663		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R664		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R665		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R666		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R667		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R668		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R669		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R670		nsp	00MNN05512610	CHIP RES.	5.1K OHM +-5% 1/16W
PM01	R671		nsp	00MNN05563610	CHIP RES.	56K OHM +-5% 1/16W
PM01	R672		nsp	00MNN05563610	CHIP RES.	56K OHM +-5% 1/16W
PM01	R673		nsp	00MNN05563610	CHIP RES.	56K OHM +-5% 1/16W
PM01	R674		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PM01	R675		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PM01	R676		nsp	00MNN05333610	CHIP RES.	33K OHM +-5% 1/16W
PM01	R677		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R678		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R679		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R680		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R681		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R682		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R683		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R684		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R685		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R686		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R687		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R688		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R690		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R691		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R692		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R693		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R694		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	R699		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R712		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R713		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R714		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	R715		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R716		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R720		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R731		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R734		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R736		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R737		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	R738		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R739		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R742		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R743		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R744		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R745		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R746		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R747		nsp	00MNN05123610	CHIP RES.	12K OHM +-5% 1/16W
PM01	R748		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R749		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R750		nsp	00MNN05271610	CHIP RES.	270 OHM +-5% 1/16W
PM01	R751		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PM01	R753		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	R754		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R755		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R756		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	R758		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	R760		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R761		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R764		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R765		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R766		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R767		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R769		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R770		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R771		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R772		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R773		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R774		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R775		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PM01	R776		00MBW05472350	00MBW05472350	RES. COMPO.	CN1J4TTD472J 4.7K OHM +-5% X4
PM01	R780		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R781		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R782		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R950		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R951		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	R985		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R986		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R987		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R988		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R989		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R990		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R991		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	R993		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RG01		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG02		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG03		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RG04		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RG05		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RG06		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG07		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG08		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG09		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG10		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RG11		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG12		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG13		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG14		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RG15		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RG16		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG17		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG18		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG19		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG20		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RG30	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RG31		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RG32		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	RK01		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PM01	RK02		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RK03		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RK04		00MBW05101350	00MBW05101350	RES. COMPO.	CN1J4TTD101J 100 OHM X 4
PM01	RK11		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RK14		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK15		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK16		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK17		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK18		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK19		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK20		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK21		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK22		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK23		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK24		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK25		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK26		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK27		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RK28		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RK29		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RK30		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RK31		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	RK32		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	RK33		00MBW05103320	00MBW05103320	RES. COMPO.	10K OHM X 4 J (CN1J)
PM01	RK36		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK37		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK38		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK39		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK40		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK41		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK44		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	RK45		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	RK46		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RK47		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RK48		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK49		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK52		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK53		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK54		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK55		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK56		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK57		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK58		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK59		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK60		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK61		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK62		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RK63		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RK64		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK65		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RK70		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK71		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK74		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK75		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK76		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK77		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK78		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RK81		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK82		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RK85		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK86		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK87		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK88		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK91		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PM01	RK92		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RK93		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	RK94		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RM01		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RM02		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RM03		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RM06		nsp	00MNN05472610	CHIP RES.	4.7K OHM +5% 1/16W
PM01	RM07		nsp	00MNN05472610	CHIP RES.	4.7K OHM +5% 1/16W
PM01	RM08		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM09		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM10		nsp	00MNN05472610	CHIP RES.	4.7K OHM +5% 1/16W
PM01	RM11		nsp	00MNN05220610	CHIP RES.	22 OHM +5% 1/16W
PM01	RM12		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM13		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM14		nsp	00MNN05272610	CHIP RES.	2.7K OHM +5% 1/16W
PM01	RM15		nsp	00MNN05391610	CHIP RES.	390 OHM +5% 1/16W
PM01	RM16		nsp	00MNN05682610	CHIP RES.	6.8K OHM +5% 1/16W
PM01	RM17		nsp	00MNN05682610	CHIP RES.	6.8K OHM +5% 1/16W
PM01	RM19		nsp	00MNN05272610	CHIP RES.	2.7K OHM +5% 1/16W
PM01	RM20		nsp	00MNN05391610	CHIP RES.	390 OHM +5% 1/16W
PM01	RM21		nsp	00MNN05472610	CHIP RES.	4.7K OHM +5% 1/16W
PM01	RM24		nsp	00MNN05103610	CHIP RES.	10K OHM +5% 1/16W
PM01	RM25		nsp	00MNN05103610	CHIP RES.	10K OHM +5% 1/16W
PM01	RM26		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RM27		nsp	00MNN05220610	CHIP RES.	22 OHM +5% 1/16W
PM01	RM28		nsp	00MNN05220610	CHIP RES.	22 OHM +5% 1/16W
PM01	RM29		00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RM30		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM31		nsp	00MNN05561610	CHIP RES.	560 OHM +5% 1/16W
PM01	RM32		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM33		nsp	00MNN05182610	CHIP RES.	1.8K OHM +5% 1/16W
PM01	RM34		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM35		nsp	00MNN05561610	CHIP RES.	560 OHM +5% 1/16W
PM01	RM36		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM37		nsp	00MNN05182610	CHIP RES.	1.8K OHM +5% 1/16W
PM01	RM38		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM39		nsp	00MNN05561610	CHIP RES.	560 OHM +5% 1/16W
PM01	RM40		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM41		nsp	00MNN05182610	CHIP RES.	1.8K OHM +5% 1/16W
PM01	RM42		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM43		nsp	00MNN05561610	CHIP RES.	560 OHM +5% 1/16W
PM01	RM44		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM45		nsp	00MNN05182610	CHIP RES.	1.8K OHM +5% 1/16W
PM01	RM46		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM47		nsp	00MNN05561610	CHIP RES.	560 OHM +5% 1/16W
PM01	RM48		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM49		nsp	00MNN05182610	CHIP RES.	1.8K OHM +5% 1/16W
PM01	RM50		nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RM51		nsp	00MNN05561610	CHIP RES.	560 OHM +5% 1/16W
PM01	RM52		nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RM53		nsp	00MNN05182610	CHIP RES.	1.8K OHM +5% 1/16W
PM01	RM54		nsp	00MNN05220610	CHIP RES.	22 OHM +5% 1/16W
PM01	RM55		nsp	00MNN05220610	CHIP RES.	22 OHM +5% 1/16W
PM01	RM61		nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W
PM01	RM62		nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W
PM01	RM63		nsp	00MNN05000610	CHIP RES.	0 OHM +5% 1/16W
PM01	RN01	/N1S	nsp	00MNN05472610	CHIP RES.	4.7K OHM +5% 1/16W
PM01	RN02	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RN03	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RN04	/N1S	nsp	00MNN05472610	CHIP RES.	4.7K OHM +5% 1/16W
PM01	RN05	/N1S	nsp	00MNN05220610	CHIP RES.	22 OHM +5% 1/16W
PM01	RN06	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +5% 1/16W
PM01	RN10	/N1S	nsp	00MNN05681610	CHIP RES.	680 OHM +5% 1/16W
PM01	RN11	/N1S	nsp	00MNN05272610	CHIP RES.	2.7K OHM +5% 1/16W
PM01	RN12	/N1S	nsp	00MNN05391610	CHIP RES.	390 OHM +5% 1/16W
PM01	RN13	/N1S	nsp	00MNN05682610	CHIP RES.	6.8K OHM +5% 1/16W
PM01	RN14	/N1S	nsp	00MNN05682610	CHIP RES.	6.8K OHM +5% 1/16W
PM01	RN16	/N1S	nsp	00MNN05272610	CHIP RES.	2.7K OHM +5% 1/16W
PM01	RN17	/N1S	nsp	00MNN05391610	CHIP RES.	390 OHM +5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	RN18	/N1S	nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PM01	RN21	/N1S	nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RN22	/N1S	nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RN23	/N1S	00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RN24	/N1S	nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RN25	/N1S	nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PM01	RN26	/N1S	00MBW05220020	00MBW05220020	RES. COMPO.	CN1J4KTD22J
PM01	RN27	/N1S	nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PM01	RN28	/N1S	nsp	00MNN05561610	CHIP RES.	560 OHM +-5% 1/16W
PM01	RN29	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RN30	/N1S	nsp	00MNN05182610	CHIP RES.	1.8K OHM +-5% 1/16W
PM01	RN31	/N1S	nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PM01	RN32	/N1S	nsp	00MNN05561610	CHIP RES.	560 OHM +-5% 1/16W
PM01	RN33	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RN34	/N1S	nsp	00MNN05182610	CHIP RES.	1.8K OHM +-5% 1/16W
PM01	RN35	/N1S	nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PM01	RN36	/N1S	nsp	00MNN05561610	CHIP RES.	560 OHM +-5% 1/16W
PM01	RN37	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RN38	/N1S	nsp	00MNN05182610	CHIP RES.	1.8K OHM +-5% 1/16W
PM01	RU01		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU05		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU06		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU07		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU09		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU11		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU13		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU14		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU15		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU16		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU18		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU19		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU20		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU21		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU22		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU23		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU24		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU25		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU26		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU27		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU31		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU32		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU33		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU34		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	RU35		nsp	00MNN05153610	CHIP RES.	15K OHM +-5% 1/16W
PM01	RU36		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PM01	RU37		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	RU38		nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PM01	RU39		nsp	00MNN05104610	CHIP RES.	100K OHM +-5% 1/16W
PM01	RU40		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PM01	RU41		nsp	00MNN05224610	CHIP RES.	220K OHM +-5% 1/16W
PM01	RU42		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU43		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	RU44		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU45		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU46		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU47		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU48		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU49		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU52		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU53		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU54		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU55		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU56		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU57		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	RU66		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU67		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU69		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PM01	RU71		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PM01	RU72		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU73		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU74		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU75		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU76		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU77		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU78		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU79		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU80		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU81		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU82		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU83		nsp	00MNN05473610	CHIP RES.	47K OHM +-5% 1/16W
PM01	RU84		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU85		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PM01	RU87		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU93		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU94		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU95		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU96		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU97		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU98		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	RU99		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PM01	S701		00MSS04040140	00MSS04040140	SLIDE SW	CHS-04TB1 DIP SWITCH
PM01	SU01		00MSS04040140	00MSS04040140	SLIDE SW	CHS-04TB1 DIP SWITCH
PM01	X101		00MJX27001350	00MJX27001350	X'TAL	27.00MHZ X-TAL
PM01	X301		00MJX12001350	00MJX12001350	X'TAL	12.288MHZ XTAL (SMD-49)
PM01	XU01		00MFQ01205050	00MFQ01205050	CER. VIB.	CSTCE12M0G52-R0
					VIDEO PWB (00MWG21AK201-)	
PV01	CE01	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE02	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE03	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE04	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE05	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE06	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE07	/N1S	nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CE08	/N1S	nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CE09	/N1S	nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CE10	/N1S	nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CE11	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE12	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE13	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE14	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE15	/N1S	nsp	00MOA22605020	ELECT. CAP.	22 UF M 50V RA-2
PV01	CE16	/N1S	nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CE17	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE18	/N1S	nsp	00MOA10800620	ELECT. CAP.	1000UF 6.3V M RA-2
PV01	CE19	/N1S	nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CE20	/N1S	nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CE21	/N1S	nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CE22	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE24	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE25	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE26	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE27	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE32	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE33	/N1S	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CE90	/N1S	nsp	00MDD95331300	CER. CAP.	330 PF +-5% CG 50V
PV01	CE91	/N1S	nsp	00MDD95331300	CER. CAP.	330 PF +-5% CG 50V
PV01	CT72		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT73		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT81		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT82		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT83		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT84		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT85		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CT86		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PV01	CV01		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV03		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CV04		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CV05		nsp	00MOA22605020	ELECT. CAP.	22 UF M 50V RA-2
PV01	CV06		nsp	00MOA22605020	ELECT. CAP.	22 UF M 50V RA-2
PV01	CV07		nsp	00MOA10800620	ELECT. CAP.	1000UF 6.3V M RA-2
PV01	CV08		nsp	00MOA22605020	ELECT. CAP.	22 UF M 50V RA-2
PV01	CV09		nsp	00MOA10800620	ELECT. CAP.	1000UF 6.3V M RA-2
PV01	CV10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV11		nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CV12		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV13		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV14		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV91		nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CV92		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CV93		nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CV94		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY01		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY03		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PV01	CY04		nsp	00MDD95120300	CER. CAP.	12 PF +-5% CG 50V
PV01	CY05		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY08		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PV01	CY09		nsp	00MDD95120300	CER. CAP.	12 PF +-5% CG 50V
PV01	CY10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY11		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY13		nsp	00MDD91100300	CER. CAP.	10 PF +- 0.5 PF CH 50V GR39
PV01	CY14		nsp	00MDD95120300	CER. CAP.	12 PF +-5% CG 50V
PV01	CY15		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY16		nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CY17		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CY18		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CY19		nsp	00MOA10606320	ELECT. CAP.	10 UF 63V RA-2
PV01	CY20		nsp	00MOA22605020	ELECT. CAP.	22 UF M 50V RA-2
PV01	CY21		nsp	00MOA10800620	ELECT. CAP.	1000UF 6.3V M RA-2
PV01	CY22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY23		nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CY24		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY25		nsp	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
PV01	CY26		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY27		nsp	00MOA10701020	ELECT. CAP.	100 UF M 10V RA-2
PV01	CY28		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY29	F B	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY29	F N	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY29	/K1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY29	/L1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY29	/S1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY30	F B	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY30	F N	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY30	/K1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY30	/L1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	CY30	/S1G	nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF
PV01	DV01		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PV01	JE01	/N1S	00MYT02210070	00MYT02210070	TERMINAL	YKF41-5040
PV01	JT71		00MYT02020890	00MYT02020890	TERMINAL	2P CINCH PIN JACK
PV01	JT81		00MYP11000220	00MYP11000220	PLUG	DZ101A1-B2
PV01	JV01		00MYT02021710	00MYT02021710	TERMINAL	YKC21-4074 2L2 FS AU
PV01	JV02		00MYJ11000670	00MYJ11000670	JACK	YKC51-5527
PV01	JY01		00MYT02030700	00MYT02030700	TERMINAL	YKC21-4076 1L3 FS AU
PV01	JY02	F B	nsp	00MYJ11000680	JACK	YKF45-3007 (D CONN. GOLD)
PV01	JY02	F N	nsp	00MYJ11000680	JACK	YKF45-3007 (D CONN. GOLD)
PV01	JY02	/K1G	nsp	00MYJ11000680	JACK	YKF45-3007 (D CONN. GOLD)
PV01	JY02	/L1G	nsp	00MYJ11000680	JACK	YKF45-3007 (D CONN. GOLD)
PV01	JY02	/S1G	nsp	00MYJ11000680	JACK	YKF45-3007 (D CONN. GOLD)
PV01	LE01	/N1S	00MLU12472010	00MLU12472010	CHIP INDUCTANCE	NL322522-4R7M
PV01	LE02	/N1S	00MLU12472010	00MLU12472010	CHIP INDUCTANCE	NL322522-4R7M

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PV01	LE03	/N1S	00MLU12472010	00MLU12472010	CHIP INDUCTANCE	NL322522-4R7M
PV01	LE05	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	LE08	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	LE90	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	LE91	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	LT81		00MFN31010060	00MFN31010060	EMI FILTER	EMI FILTER BLM11P600S
PV01	LT82		00MFN31000020	00MFN31000020	EMI FILTER	BLM11B252SD
PV01	LT83		00MFN31000020	00MFN31000020	EMI FILTER	BLM11B252SD
PV01	LT84		00MFN31000020	00MFN31000020	EMI FILTER	BLM11B252SD
PV01	LT85		00MFN31000020	00MFN31000020	EMI FILTER	BLM11B252SD
PV01	LV01		00MLU12472010	00MLU12472010	CHIP INDUCTANCE	NL322522-4R7M
PV01	LY01		00MLU12102010	00MLU12102010	CHIP INDUCTANCE	NL322522-1R0M
PV01	LY02		00MLU12392010	00MLU12392010	CHIP INDUCTANCE	NL322522-3R9M
PV01	LY03		00MLU12102010	00MLU12102010	CHIP INDUCTANCE	NL322522-1R0M
PV01	LY04		00MLU12392010	00MLU12392010	CHIP INDUCTANCE	NL322522-3R9M
PV01	LY05		00MLU12102010	00MLU12102010	CHIP INDUCTANCE	NL322522-1R0M
PV01	LY06		00MLU12392010	00MLU12392010	CHIP INDUCTANCE	NL322522-3R9M
PV01	LY07		00MLU12472010	00MLU12472010	CHIP INDUCTANCE	NL322522-4R7M
PV01	LY08		00MLU12472010	00MLU12472010	CHIP INDUCTANCE	NL322522-4R7M
PV01	QE01	/N1S	00MHC12244090	00MHC12244090	IC	NJM2584M 50MHZ VIDEO SW
PV01	QE02	/N1S	00MHC10102550	00MHC10102550	IC	MM1623XFB E VIDEO AMP
PV01	QE03	/N1S	00MBA20035210	00MBA20035210	TRS.	DTC114EU
PV01	QE04	/N1S	00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PV01	QE05	/N1S	00MBA20035210	00MBA20035210	TRS.	DTC114EU
PV01	QE06	/N1S	00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PV01	QT81		00MHC10248990	00MHC10248990	IC	ISL83384ECA-T
PV01	QV01		00MHC10103550	00MHC10103550	IC	MM1566AJBE VIDEO AMP WITH LPF
PV01	QV02		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PV01	QV03		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) 2SA1576A (Q,R)
PV01	QV04		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PV01	QV91		00MHC91905210	00MHC91905210	IC	BA05SFP-E2
PV01	QY01		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PV01	QY02		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PV01	QY03		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PV01	QY04		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PV01	QY05		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) / 2SA1576A (Q,R)
PV01	QY06		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PV01	QY07		00MHC10231090	00MHC10231090	IC	NJM2580M-TE1 3CH VIDEO AMP
PV01	QY08		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PV01	QY09		00MBA20035210	00MBA20035210	TRS.	DTC114EU
PV01	RE01	/N1S	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RE02	/N1S	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RE03	/N1S	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RE04	/N1S	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RE05	/N1S	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RE06	/N1S	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RE07	/N1S	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RE08	/N1S	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RE10	/N1S	nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PV01	RE11	/N1S	nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PV01	RE12	/N1S	nsp	00MNN05563610	CHIP RES.	56K OHM +-5% 1/16W
PV01	RE13	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PV01	RE14	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PV01	RE15	/N1S	nsp	00MNN05221610	CHIP RES.	220 OHM +-5% 1/16W
PV01	RE16	/N1S	nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PV01	RE17	/N1S	nsp	00MNN05472610	CHIP RES.	4.7K OHM +-5% 1/16W
PV01	RE18	/N1S	nsp	00MNN05563610	CHIP RES.	56K OHM +-5% 1/16W
PV01	RE19	/N1S	nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PV01	RE20	/N1S	nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PV01	RE21	/N1S	nsp	00MNN05152610	CHIP RES.	1.5K OHM +-5% 1/16W
PV01	RE22	/N1S	nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PV01	RE23	/N1S	nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PV01	RE90	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PV01	RE91	/N1S	nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PV01	RE92	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RE93	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT71	F B	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W

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PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PV01	RT71	F N	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT71	/K1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT71	/L1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT71	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT71	/S1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT71	/U1B	nsp	00MFC90020110	FERRITE CORE	BLM11B601S CHIP FERRITE
PV01	RT72		nsp	00MNN05470610	CHIP RES.	47 OHM +-5% 1/16W
PV01	RT74		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT75		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT82		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PV01	RT83		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PV01	RT84		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PV01	RT85		nsp	00MNN05220610	CHIP RES.	22 OHM +-5% 1/16W
PV01	RT86		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PV01	RT87		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT88		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT89		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RT90		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV01		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RV02		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RV03		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RV04		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RV05		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RV06		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RV07		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RV08		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RV09		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PV01	RV10		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PV01	RV11		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PV01	RV12		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PV01	RV13		nsp	00MNN05821610	CHIP RES.	820 OHM +-5% 1/16W
PV01	RV14		nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RV80		nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV85	F B	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV85	F N	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV85	/K1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV85	/L1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV85	/S1G	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV86	/N1S	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RV87	/U1B	nsp	00MNN05000610	CHIP RES.	0 OHM +-5% 1/16W
PV01	RY01		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PV01	RY02		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PV01	RY03		nsp	00MNN05471610	CHIP RES.	470 OHM +-5% 1/16W
PV01	RY05		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PV01	RY06		nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PV01	RY07		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PV01	RY08		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PV01	RY09		nsp	00MNN05471610	CHIP RES.	470 OHM +-5% 1/16W
PV01	RY11		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PV01	RY12		nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PV01	RY13		nsp	00MNN05101610	CHIP RES.	100 OHM +-5% 1/16W
PV01	RY14		nsp	00MNN05102610	CHIP RES.	1K OHM +-5% 1/16W
PV01	RY15		nsp	00MNN05471610	CHIP RES.	470 OHM +-5% 1/16W
PV01	RY17		nsp	00MNN05223610	CHIP RES.	22K OHM +-5% 1/16W
PV01	RY18		nsp	00MNN05681610	CHIP RES.	680 OHM +-5% 1/16W
PV01	RY19		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY20		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY21		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY22		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY23		nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY24		nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY25	F B	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY25	F N	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY25	/K1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY25	/L1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY25	/S1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY26	F B	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W

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

PWB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MZ)	PART NAME	DESCRIPTION
PV01	RY26	F N	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY26	/K1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY26	/L1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY26	/S1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY27	F B	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY27	F N	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY27	/K1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY27	/L1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY27	/S1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY28	F B	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY28	F N	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY28	/K1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY28	/L1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY28	/S1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY29	F B	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY29	F N	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY29	/K1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY29	/L1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY29	/S1G	nsp	00MNN05390610	CHIP RES.	39 OHM +-5% 1/16W
PV01	RY30	F B	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY30	F N	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY30	/K1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY30	/L1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY30	/S1G	nsp	00MNN05330610	CHIP RES.	33 OHM +-5% 1/16W
PV01	RY31		nsp	00MNN05103610	CHIP RES.	10K OHM +-5% 1/16W
PV01	RY32		nsp	00MNN05332610	CHIP RES.	3.3K OHM +-5% 1/16W
PV01	RY33	F B	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY33	F N	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY33	/K1G	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY33	/L1G	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY33	/S1G	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY34	F B	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY34	F N	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY34	/K1G	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY34	/L1G	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY34	/S1G	nsp	00MNN05682610	CHIP RES.	6.8K OHM +-5% 1/16W
PV01	RY35		nsp	00MNN05105610	CHIP RES.	1M OHM +-5% 1/16W
PV01	ST71		00MSS01021010	00MSS01021010	SLIDE SW	SSSF12-S06N0 HORIZONTAL N-SHOT
PV01	ST81		00MSP02022320	00MSP02022320	PUSH SW	PUSH SW (SPUJ191000) W/KNOB

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