

Service Manual

DV12 /A1G/C1G/F1N/L1G/N1G/S1G/U1G
/N1B/U1B

DVD Player

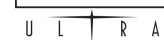
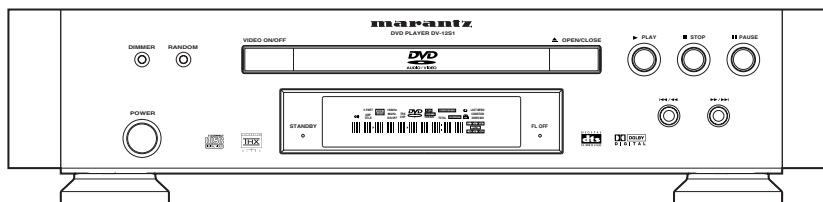


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Please use this service manual with referring to the user guide (D.F.U.) without fail.

修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

DV-12S1

411K855010 MIT
3120 785 22860
First Issue 2002.02

DV-12S1

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
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ITASCA, IL. 60143
USA
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FAX : 630 - 741 - 0301

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CENTRO DE INFORMACOES AO
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SAO PAULO, SP, BRAZIL
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FAX : +55 11 534. 8988

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MARANTZ PROFESSIONAL PRODUCTS
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AURORA, ILLINOIS 60504 USA
PHONE : 630 - 820 - 4800
FAX : 630 - 820 - 8103

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BALMAIN, NSW 2041,
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FAX : 61 - 2 - 9810 - 5355

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MK ENTERPRISES LTD.
ROOM 604/605, ELECTRO-OFFICETEL, 16-58,
3GA, HANGANG-RO, YONGSAN-KU, SEOUL
KOREA
PHONE : +822 - 3232 - 155
FAX : +822 - 3232 - 154

SHOCK, FIRE HAZARD SERVICE TEST :

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

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

Ref. UL Standard No. 1492.

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

1. Technical specifications

General

System..... DVD system and Compact Disc digital audio system

Power requirements

A Version AC 240 V, 50 Hz

C Version AC 220 V, 60 Hz

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

K Version AC 220 V, 50 Hz

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

N Version AC 230 V, 50 Hz

S Version AC 230 V, 50 / 60 Hz

U Version AC 120 V, 60 Hz

Power consumption

F Version..... 30 W

Other Version..... 31 W

Weight 13.2 kg (29 lb)

Dimensions..... 458 (W) x 392 (D) x 110 (H) mm
(18 (W) x 15 7/16 (D) x 4 3/8 (H) in.)
(Not including protruding cables, etc.)

Operating temperature +5 °C to +35 °C

Operating humidity 5% 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)

Jacks S-VIDEO jack

Video output (2 individual outputs)

Output level..... 1 Vp-p (75 Ω)

Jacks RCA jack

Component video output

(Y, C_B, C_R)

Output level..... Y: 1.0 Vp-p (75 Ω)

C_B, C_R: 0.7 Vp-p (75 Ω)

Jacks (A, C, F, K, L, S, U Version) RCA jack

R / G / B output

Output level..... R / G / B : 0.7 Vp-p (75 Ω)

Jacks (N Version)..... 21 pin SCART connector

D1/D2 video output (except for N, U Version)

Output level..... Y: 1.0 Vp-p (75 Ω)

C_B, C_R: 0.7 Vp-p (75 Ω)

Jacks D terminal

Audio output (2 individual outputs)

Output level

During audio output 200 mVrms (1 kHz, -20 dB)

Number of channels 2

Jacks RCA jack

Audio output (5.1 Channel)

Output level

During audio output 200 mVrms (1 kHz, -20 dB)

Number of channels 6

Jacks RCA jack

Digital audio characteristics

Frequency response 4 Hz to 88 kHz (DVD fs: 192 kHz)

S/N ratio..... more than 115 dB

Dynamic range more than 102 dB

Total harmonic distortion 0.001%

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

Accessories

Audio/Video cord 1

System Control cord 1

Power Cord..... 1

Remote control unit 1

AAA (R03P) dry cell batteries..... 2

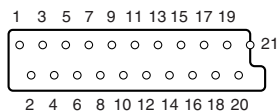
Operating Instructions 1

Note

The specifications and design of this product are subject to change without notice, due to improvement.

2. CONNECTION FACILITIES

2.1 Video performance (/N1 only)



2.1.1 SCART

Pin No. TV (OUT)

| | |
|--------|---|
| Pin 1 | Audio R out : 2Vrms |
| Pin 2 | Audio R in : 2Vrms |
| Pin 3 | Audio L out : 2Vrms |
| Pin 4 | GND |
| Pin 5 | GND |
| Pin 6 | Audio L in : 2Vrms |
| Pin 7 | Blue out/C in Blue : 0.7Vpp $\pm 0.1V$ into 75 Ohm *1 C : 300mVpp ± 30 into 75 Ohm *2 |
| Pin 8 | function switching out <2V : TV >5/<8 : asp.ratio 16 : 9 DVD/AUX >9.5/<12 : asp.ratio 4 : 3 DVD/AUX |
| Pin 9 | GND |
| Pin 10 | not connected |
| Pin 11 | Green out:0.7Vpp $\pm 0.1V$ into 75 Ohm *1 |
| Pin 12 | not connected |
| Pin 13 | GND |
| Pin 14 | GND |
| Pin 15 | Red/C out Red : 0.7Vpp $\pm 0.1V$ into 75 Ohm *1 C : 300mVpp ± 30 into 75 Ohm *2 |
| Pin 16 | fast switching out <0.4V into 75 Ohm=CVBS/S-Video 1</<3 into 75 Ohm=RGB |
| Pin 17 | GND |
| Pin 18 | GND |
| Pin 19 | CVBS/Y out : 1Vpp $\pm 0.1V$ *1 |
| Pin 20 | CVBS/Y in : 1Vpp $\pm 0.1V$ *1 |
| Pin 21 | GND |

*1 : 100% White

*2 : Burst Level

*3 : color bar(chroma level : 75%)

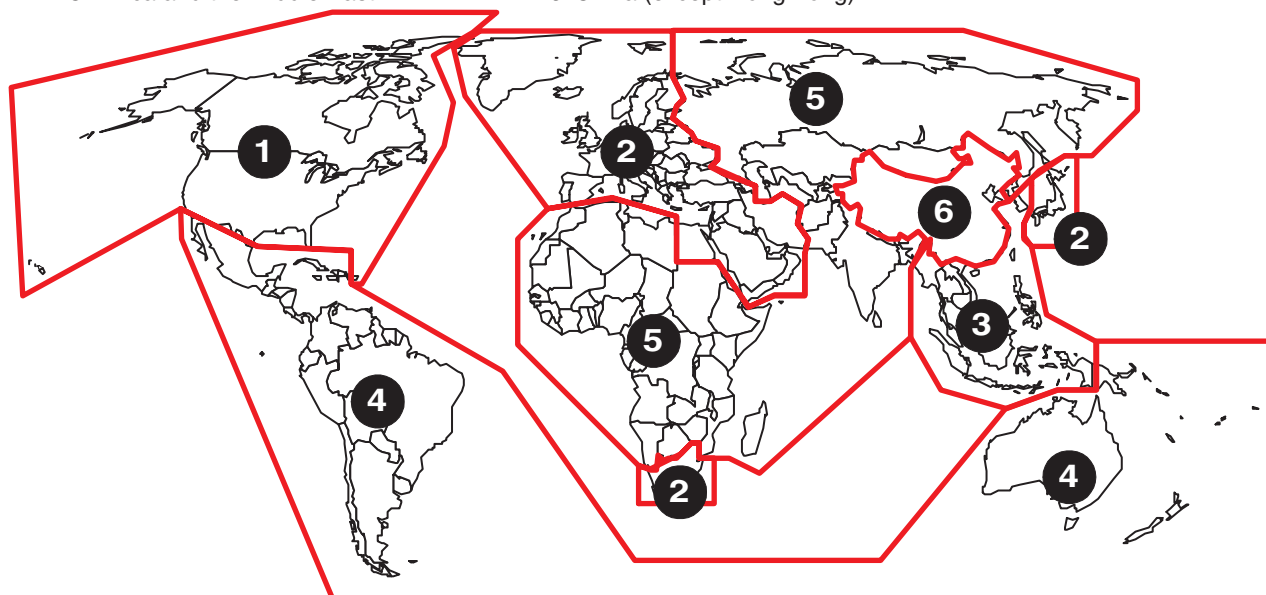
Pin No. AUX (IN)

| | |
|--------|---|
| Pin 1 | Audio R out : 2Vrms |
| Pin 2 | Audio R in : 2Vrms |
| Pin 3 | Audio L out : 2Vrms |
| Pin 4 | GND |
| Pin 5 | GND |
| Pin 6 | Audio L in : 2Vrms |
| Pin 7 | Blue in/C out Blue : 0.7Vpp $\pm 0.1V$ into 75 Ohm *1 C : 300mVpp ± 30 into 75 Ohm *2 |
| Pin 8 | function switching in <2V : DVD >5/<8 : asp.ratio 16 : 9 AUX >9.5/<12 : asp.ratio 4 : 3 AUX |
| Pin 9 | GND |
| Pin 10 | not connected |
| Pin 11 | Green in:0.7Vpp $\pm 0.1V$ into 75 Ohm |
| Pin 12 | not connected |
| Pin 13 | GND |
| Pin 14 | GND |
| Pin 15 | Red/C in Red : 0.7Vpp $\pm 0.1V$ into 75 Ohm *1 C : 300mVpp ± 30 into 75 Ohm *2 |
| Pin 16 | fast switching in <0.4V into 75 Ohm=CVBS/S-Video 1</<3 into 75 Ohm=RGB |
| Pin 17 | GND |
| Pin 18 | GND |
| Pin 19 | CVBS/Y out : 1Vpp $\pm 0.1V$ *1 |
| Pin 20 | CVBS/Y in : 1Vpp $\pm 0.1V$ *1 |
| Pin 21 | GND |

What are "regional codes"?

Motion picture studios want to control the home release of movies in different countries because theater releases aren't simultaneous (a movie may come out on DVD in the US when it's just hitting screens in Europe). Therefore they have required that the DVD standard include codes which can be used to lock out the playback of certain discs in certain geographical regions. Players sold in each region will have that region's code built into the player. The player will refuse to play these "region coded" discs which are not allowed in the region. However, regional codes are entirely optional. Discs without codes will play on any player in any country. Some studios have already announced that only their new releases will have regional codes. There are six regions:

1. United States and Canada
2. Europe and Japan
3. Far East (except Japan & China)
4. South America and Oceania
5. Africa and the Middle East
6. China (except Hong Kong)



Map of DVD Regions

3. INFORMATIONS

REGION CODE

| VERSION | REGION CODE | COUNTRY |
|---------|-------------|--------------------|
| /UXX | 1 | USA/CANADA |
| /FXX | 2 | JAPAN |
| /NXX | 2 | EUROPE |
| /CXX | 3 | KOREA |
| /LXX | 3 | TAIWAN |
| /SXX | 3 | SINGAPORE/HONGKONG |
| /AXX | 4 | AUSTRALIA |
| /KXX | 6 | CHINA |

DVD INFORMATION

Below is a glossary of the new terms related to DVD.

Title:

A disc may have more than one story/movie on it, so each story/movie is called a "title".

For example, if there are 2 movies on the disc, they are separated into Title 1 and Title 2.

Chapter:

A title may also be separated into chapters.

For example, a movie (title) may be separated into 3 scenes (chapters).

| Title 1 | | | Title 2 | | |
|-----------|-----------|-----------|-----------|-----------|-----------|
| Chapter 1 | Chapter 2 | Chapter 3 | Chapter 1 | Chapter 2 | Chapter 3 |

Subtitles:

DVDs are recorded with up to 32 different subtitle languages. If a disc has more than one subtitle language, you can select the subtitle language that you want to read.

Soundtrack language:

DVDs are recorded with up to 8 different soundtrack languages. If a disc has more than one language, you can select the soundtrack language that you want to listen to.

Multi-angles:

On some DVDs, scenes have been filmed from different angles (up to a maximum of 9). On these discs, you can select the angle that you want to watch. Please refer to the DVD's manual to see which scenes have multi-angles.









Resetting the Player to System Settings:

To reset the player, press and hold [STOP] button on the front panel when pressing **Power switch** to turn the power on.

All program memory, saved settings from functions such as Last Memory and Condition Memory are cleared, and all Setup screen menus are returned to factory settings.

THE DISCS THAT THE DV-12S1 CAN HANDLE

The following discs can be played back with a DV-12S1

| Types of playable discs and their marks | Diameter/ Playable sides | Playback time |
|--|--|---|
| DVD-Audio <i>DVD-Video</i>   | DVD-Audio <i>DVD-Video</i> | Digital audio Digital video (MPEG 2) |
| | 12 cm (5 in.)/ single-sided | 1 layer 2 layer |
| | 12 cm (5 in.)/ double-sided | 1 layer 2 layer |
| | 8 cm (3 in.)/ single-sided | 1 layer 2 layer |
| DVD-RW (JAPAN & USA model only)  | DVD-RW | Digital audio Digital video (MPEG 2) |
| | 12 cm (5 in.)/ single-sided | Max. 360 min. |
| | 8 cm (3 in.)/ single-sided | Max. 100 min. |
| | | |
| VIDEO CD  | VIDEO CD | Digital audio Digital video (MPEG 1) Max. 74 minutes |
| | 12 cm (5 in.)/ single-sided | |
| | VIDEO CD single | Digital audio Digital video (MPEG 1) Max. 20 minutes |
| | 8 cm (3 in.)/ single-sided | |
| CD    | CD | Digital audio |
| | 12 cm (5 in.)/ single-sided | Max. 74 minutes |
| | CD single | Digital audio |
| | 8 cm (3 in.)/ single-sided | Max. 20 minutes |
| F-Disc  | (F only) (株) フジカラーサービスの フジレシネサービスで作成された ディスクです。 | |

Note: The regional code of the discs must meet to the regional code of the DV-12S1

The disc format logos shown above are found on disc labels or on disc jackets.

- To prevent malfunction, do not use an 8 cm (3 in.) adaptor (for CDs).
- Discs other than the ones indicated above cannot be played on this unit.
- DVDs that have incompatible region numbers, DVDROM, DVD-RAM, and CD-ROM cannot be played on this unit. The region number of the player can be found on the rear panel.

* Playing DVD-RW discs (JAPAN & USA model only)

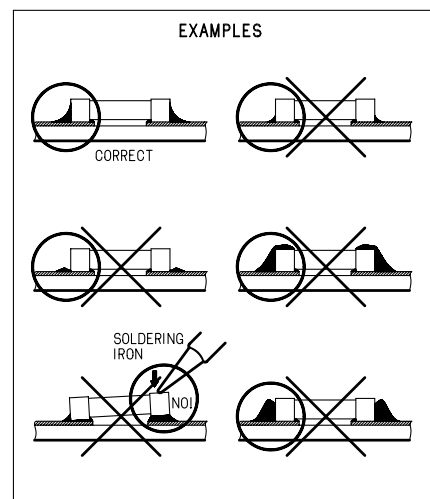
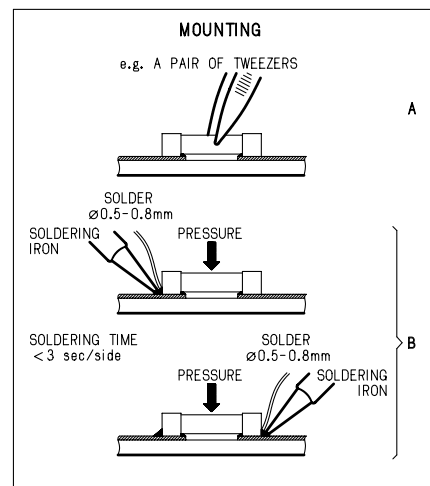
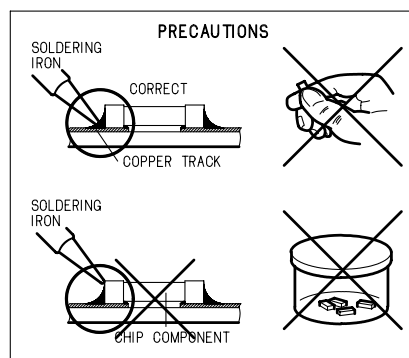
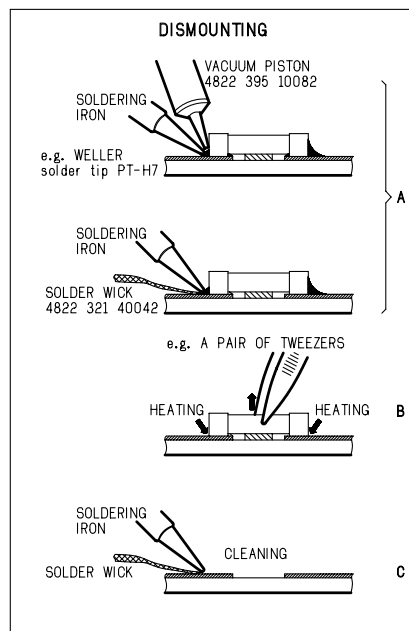
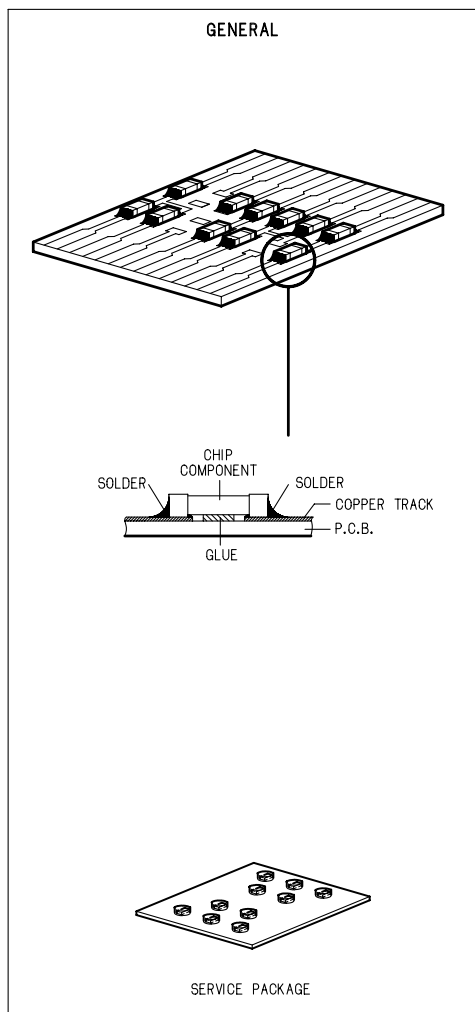
- You may not be able to play non-finalized DVD-RW discs.
- Copyrighted content originally provided with the permission of one generation and recorded on DVD discs cannot be played on this player.
- When playing a DVD-RW disc that was edited on a DVD recorder, you may see scenes from just before the edited point. This is not a malfunction.
- Up to 20 characters of a title name can be displayed.

** Playing recordable CDs

- Note that this unit cannot record onto recordable discs.
 - This unit can play music-use CD-R and CD-RW discs.
- However, depending on the condition of the CD-Recorder and the disc, you may find that not all discs will play successfully. (For example, if the disc is scratched or dirty, or if the player's pickup lens is dirty.)

4. 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 |

5. 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.

ESD



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 hetzelfde potentiaal.

F ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).

Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.

Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.

Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

D WARNUNG

Alle IC und viele andere Halbleiter sind empfindlich gegen elektrostatische Entladungen (ESD).

Unvorsichtige Behandlung bei der Reparatur kann die Lebensdauer drastisch vermindern. Sorgen Sie dafür, dass 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.

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.



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 return to user/customer.

Ref.UL Standard NO.1492.

NOTE ON SAFETY:

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

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

LASER SAFETY

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

LASER DEVICE UNIT

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



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 ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN
WARNING 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

6. TAKING THE DISC OUT OF EMERGENCY

**Taking the disc out for EMERGENCY (For example: when It is not possible to turn on the product.
The disc cannot be taken out from the loader.)**

1. Removed the top cover with 8 screws.
2. Removed the loader top covers with 6 screws.
3. Turn clockwise the gear by your finger. (See fig.1)
4. Then the tray is moved a little. Pull the tray with your hand at this time.

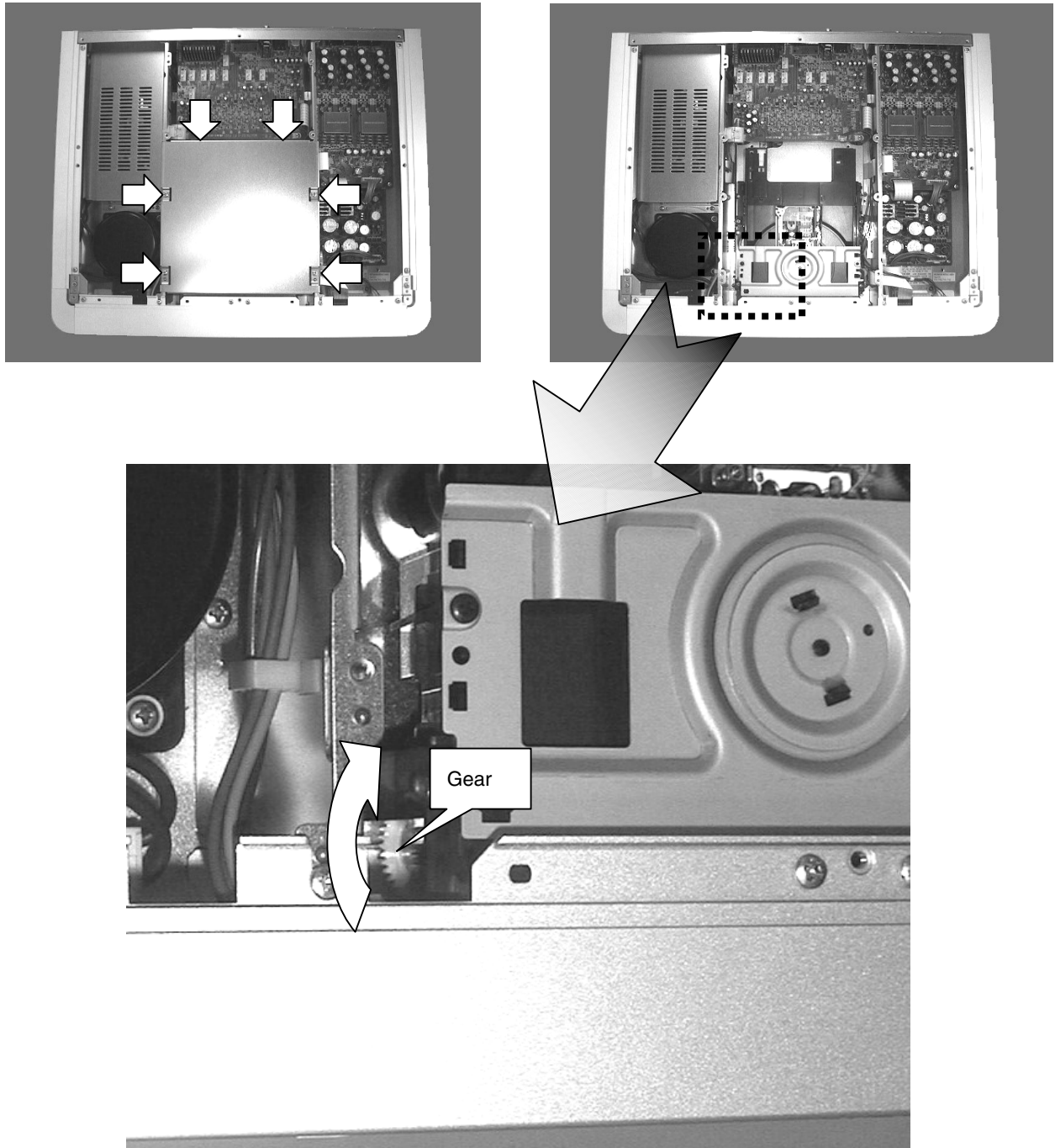
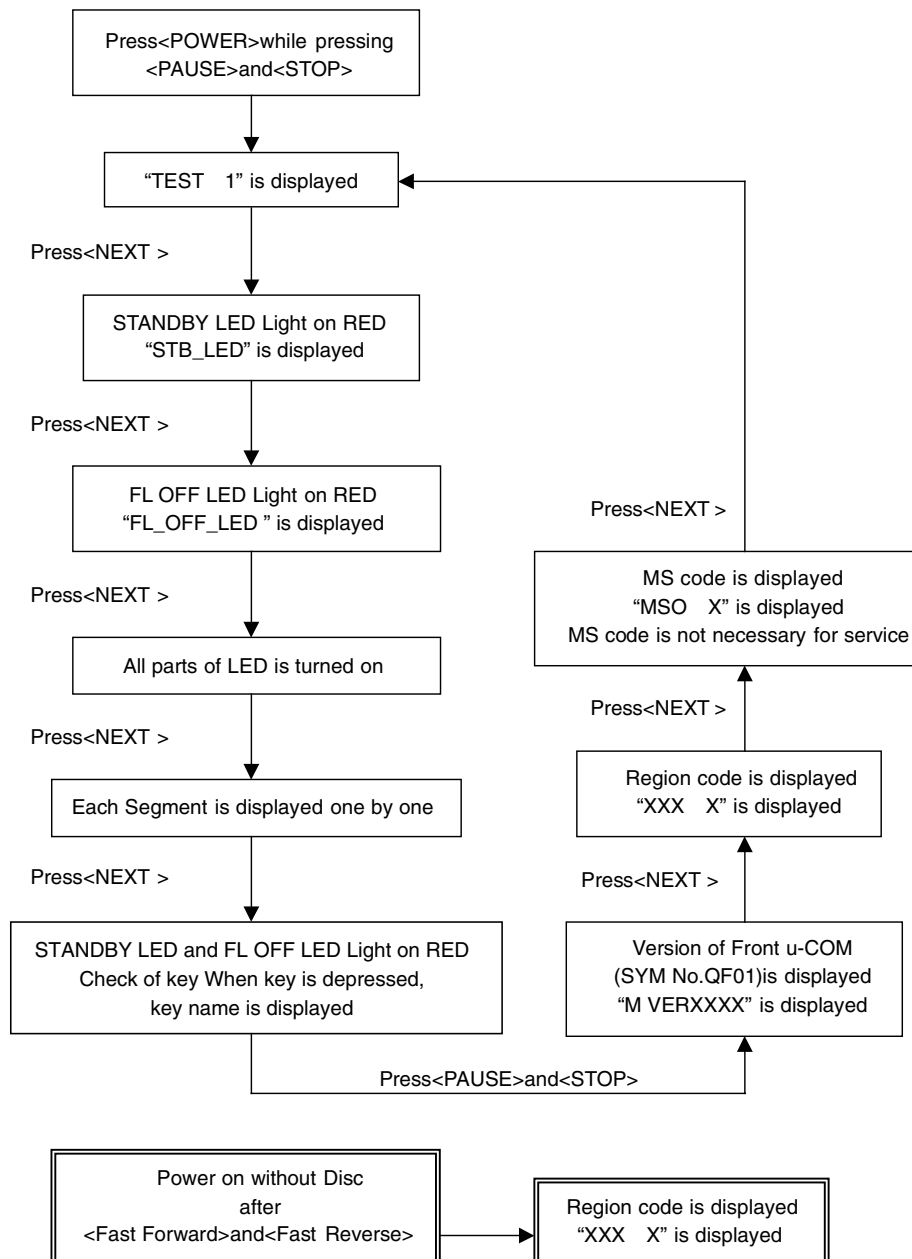


Fig. 1

7. SERVICE MODE

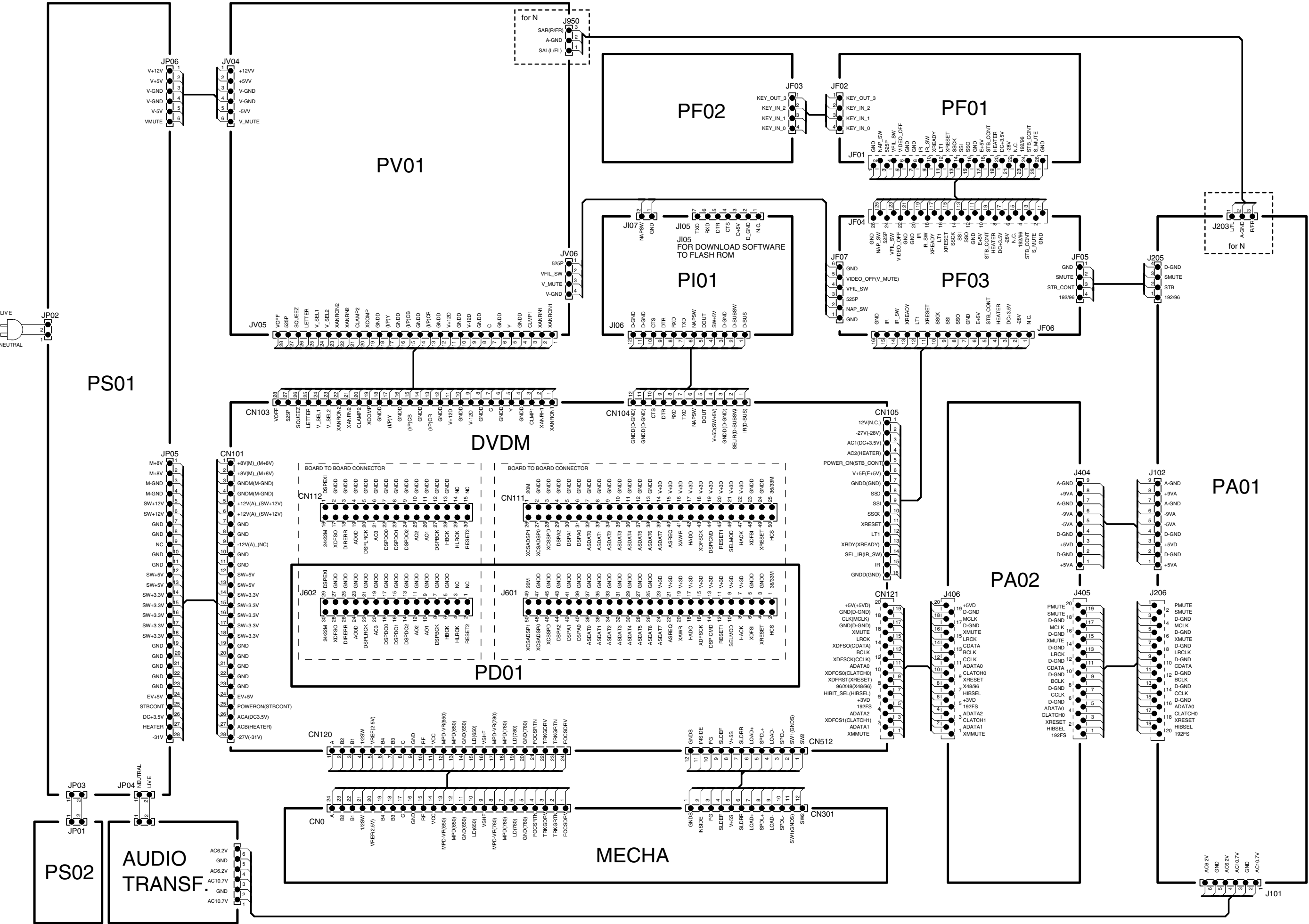


ERROR CODE

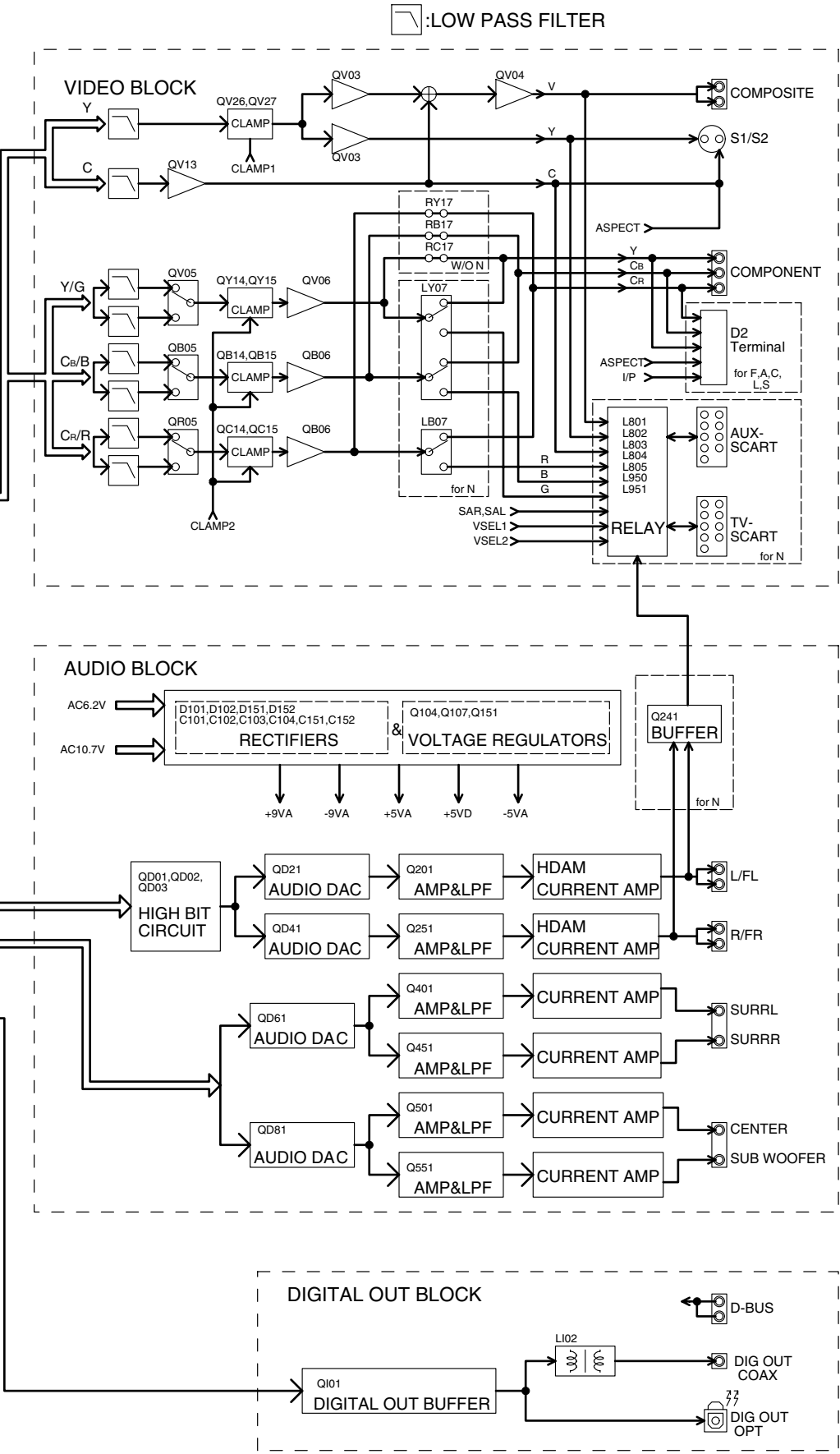
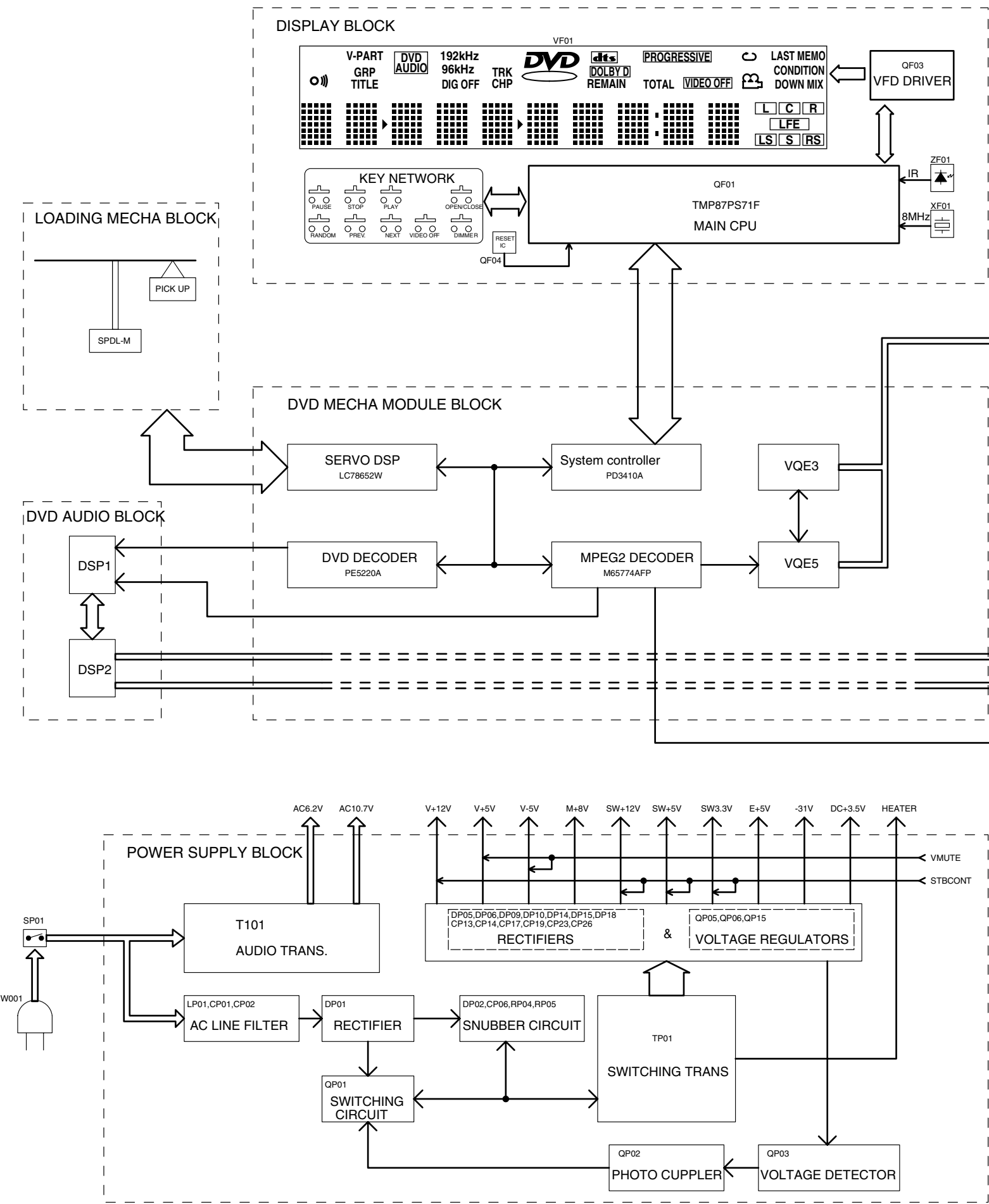
Error codes are displayed on the FL display.

| FL Display | Possible causes | Operation of the unit |
|------------|--|--|
| AV1 VER | AV-1 chip is not a match with program of system controller. | The sound may not out with the specific audio. |
| CPU AERR | CPU address error. (Hardware is unusual.) | No operation. |
| DMA AERR | DMA address error. (Hardware is unusual.) | No operation. |
| FLASH ID | Difference in versions of the internal ROM of the system controller and of the flash ROM, or bus line failure or reverse installation. | No operation. |
| FLASH WRP | Write protect error of the flash ROM. | No operation. |
| FLASH SIG | Difference in part number of the flash ROM. (When the ROM which couldn't be used was used.) | No operation. |
| FLASH SUM | Check sum error of the flash ROM (It exceeds the regular size.) or reverse installation. (Hardware is unusual.) | No operation. |
| FLASH SIZE | Size error of the flash ROM. (Use 4 or 8 M-bit.) | No operation. |
| ILLGAL | The system controller fetched a code other than an operation code. (Hardware is unusual.) | No operation. |
| RESERVE | Undefined interrupt. (Hardware is unusual.) | No operation. |
| SLOT | Inappropriate slot command issued. (Hardware is unusual.) | No operation. |

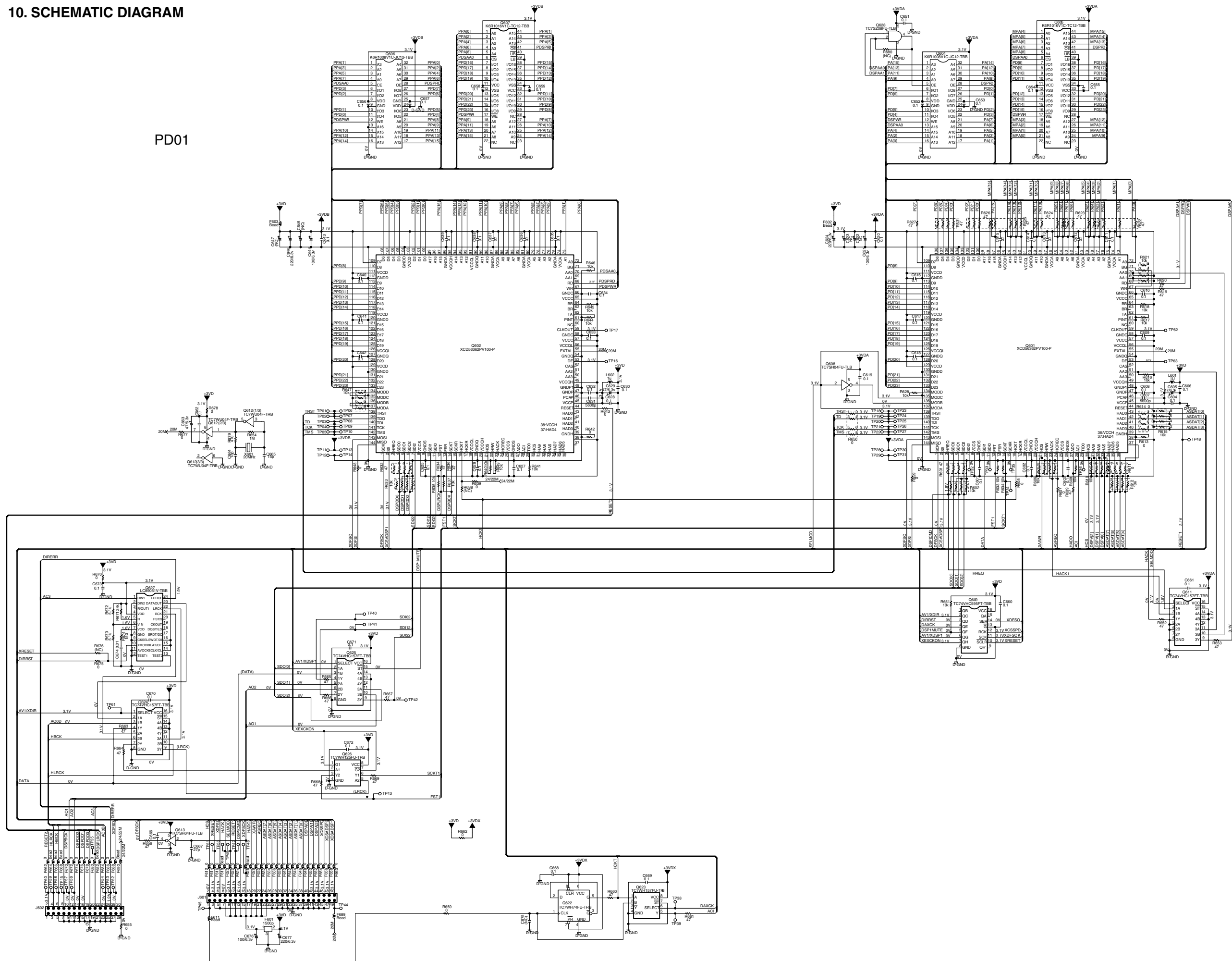
8. WIRING DIAGRAM



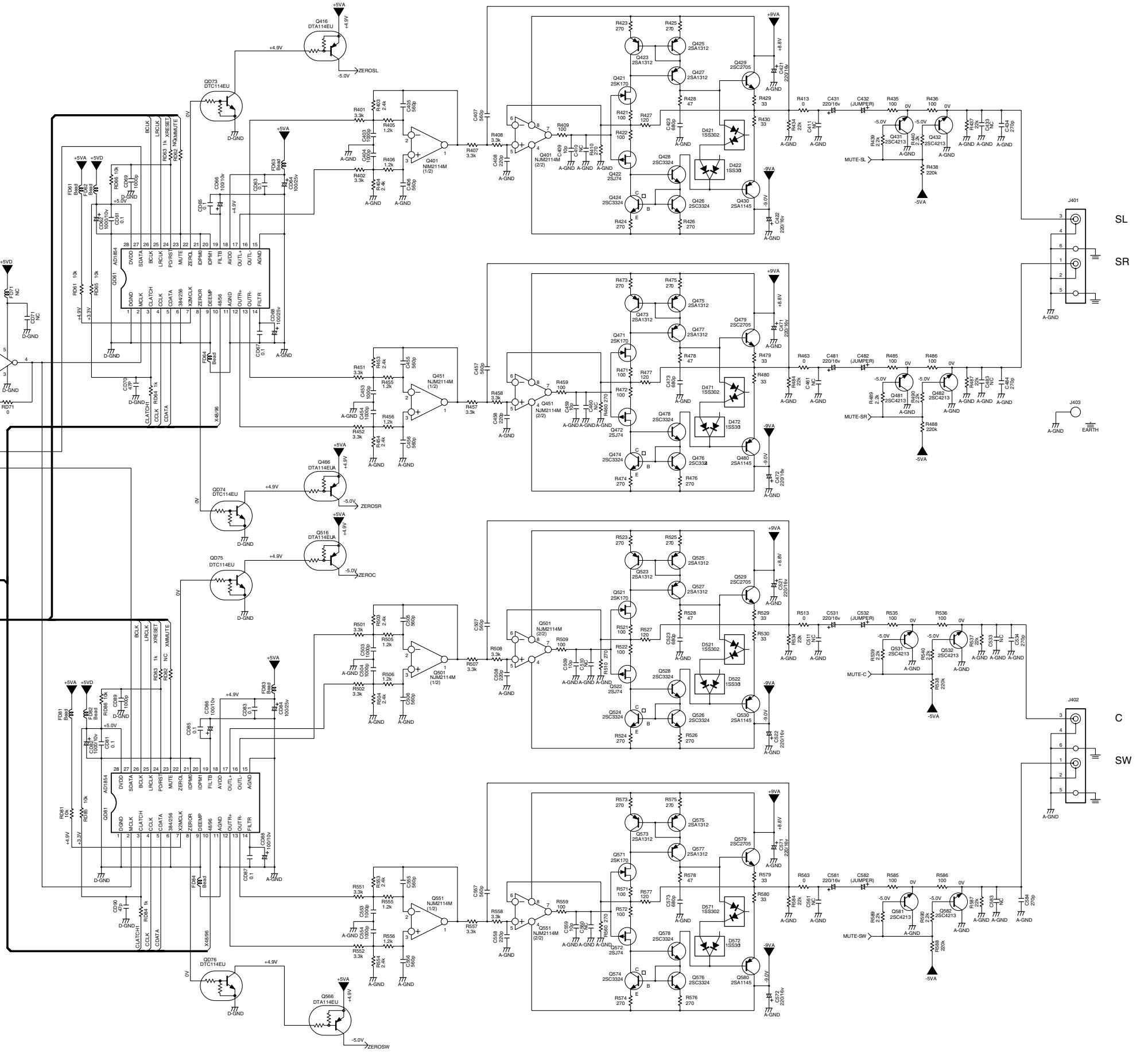
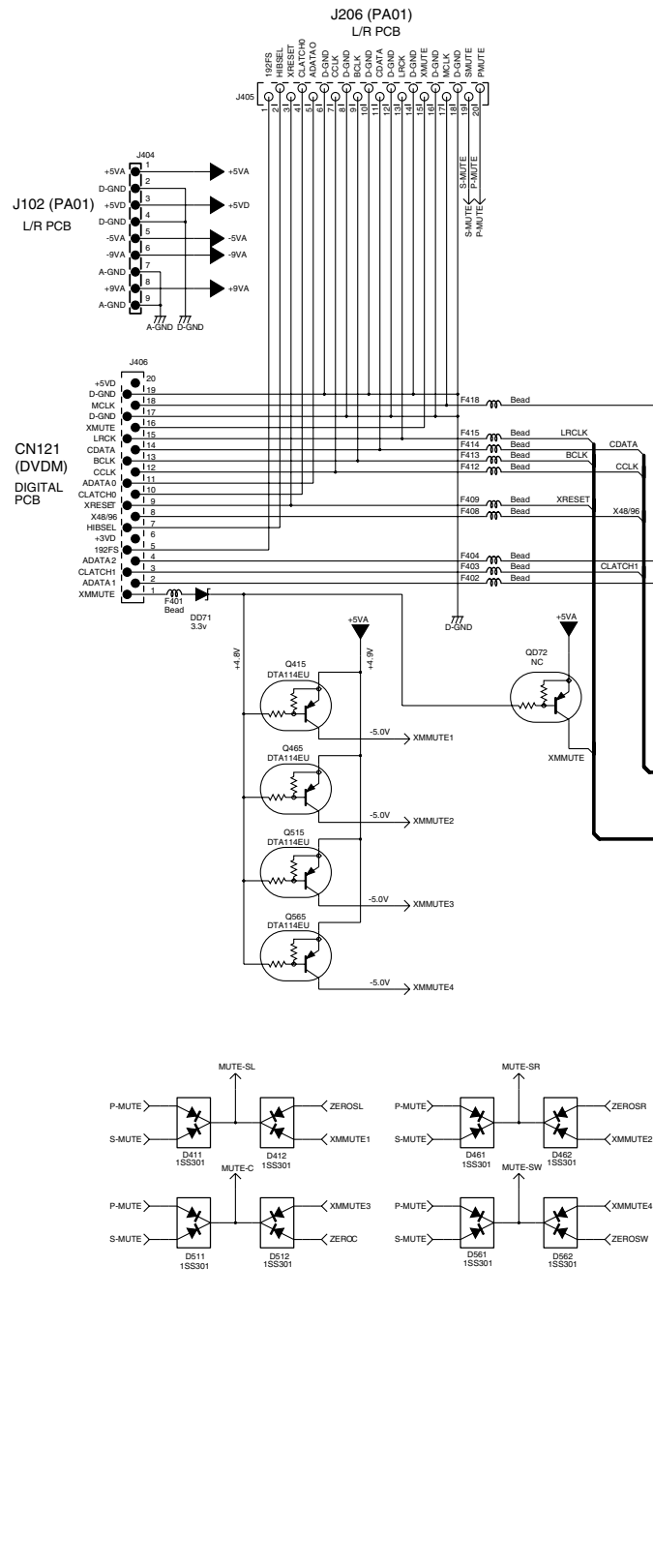
9. BLOCK DIAGRAM

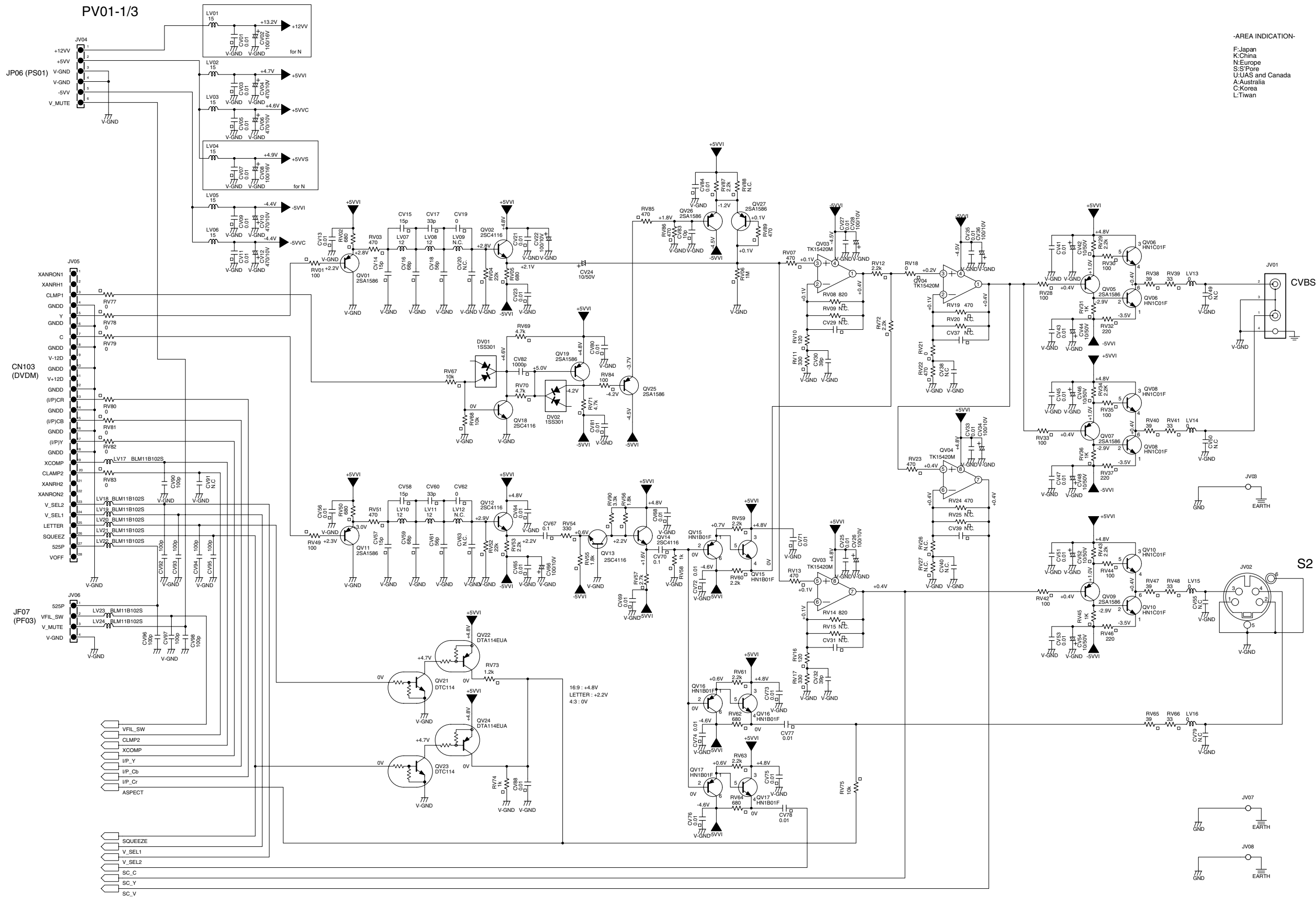


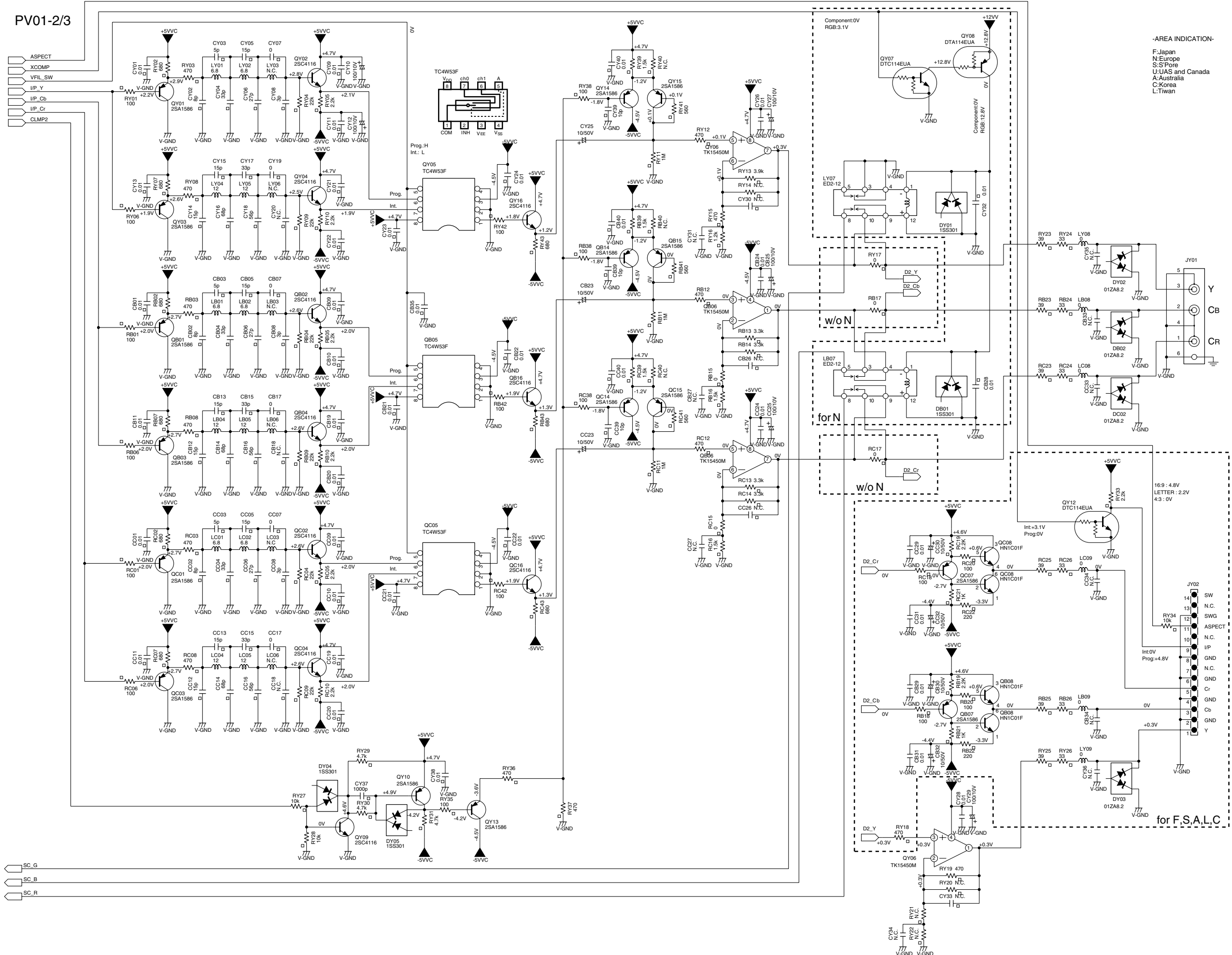
10. SCHEMATIC DIAGRAM



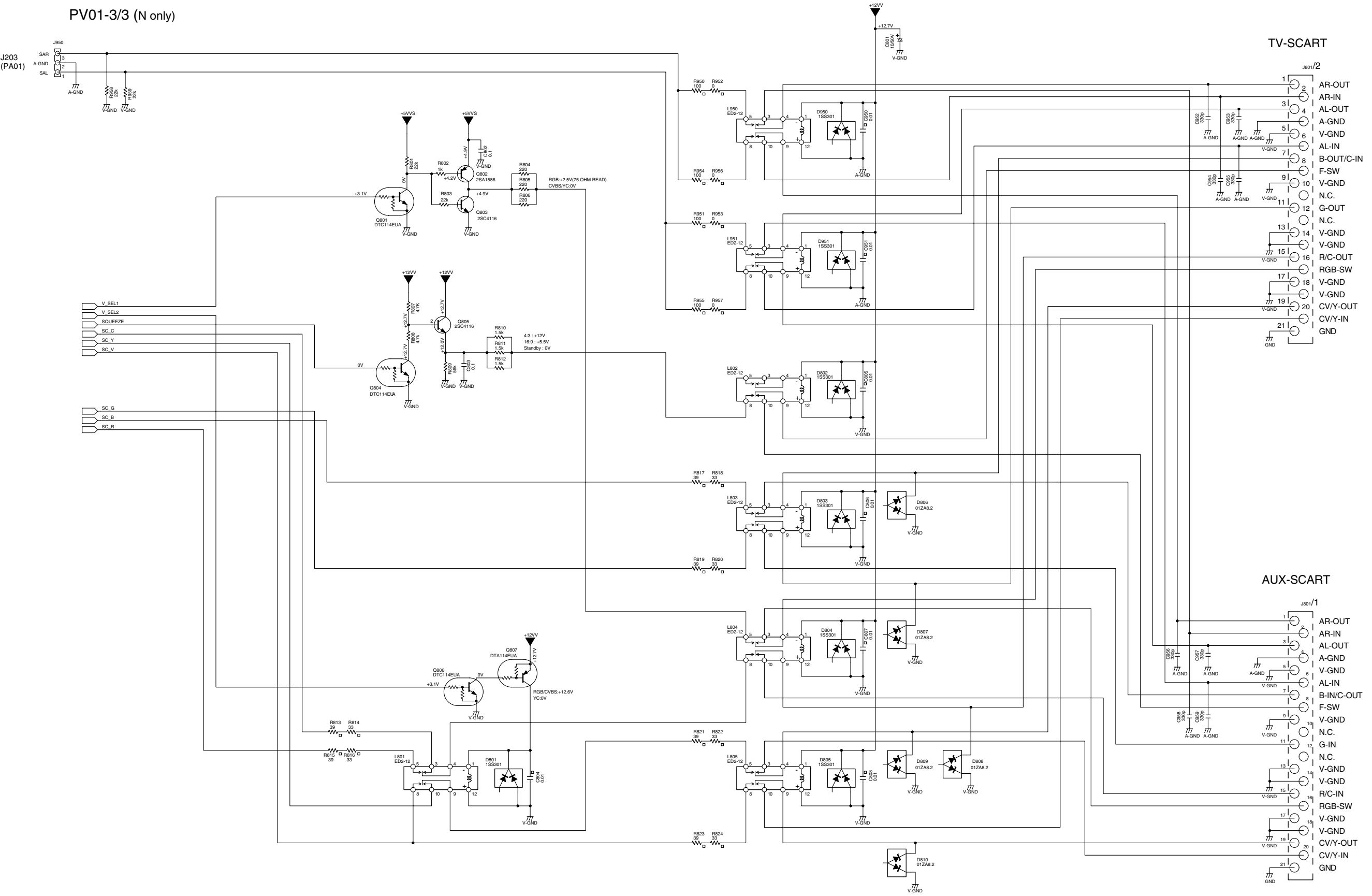
PA02







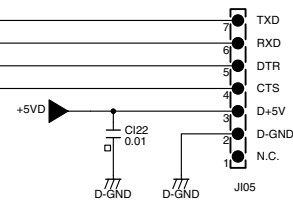
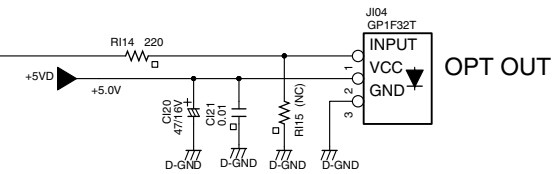
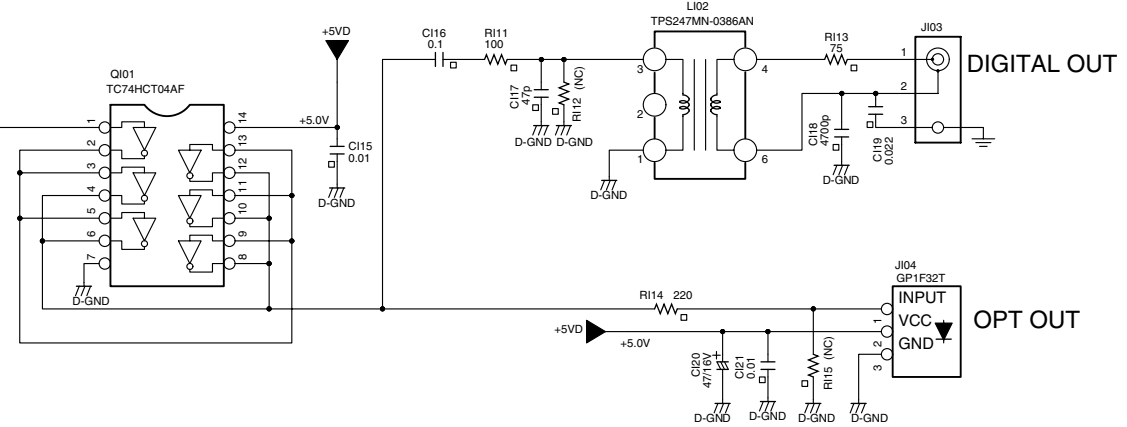
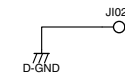
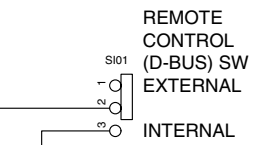
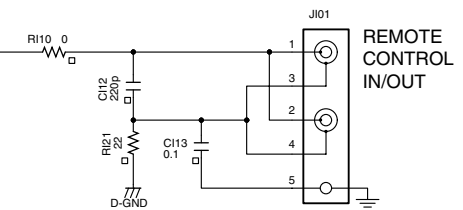
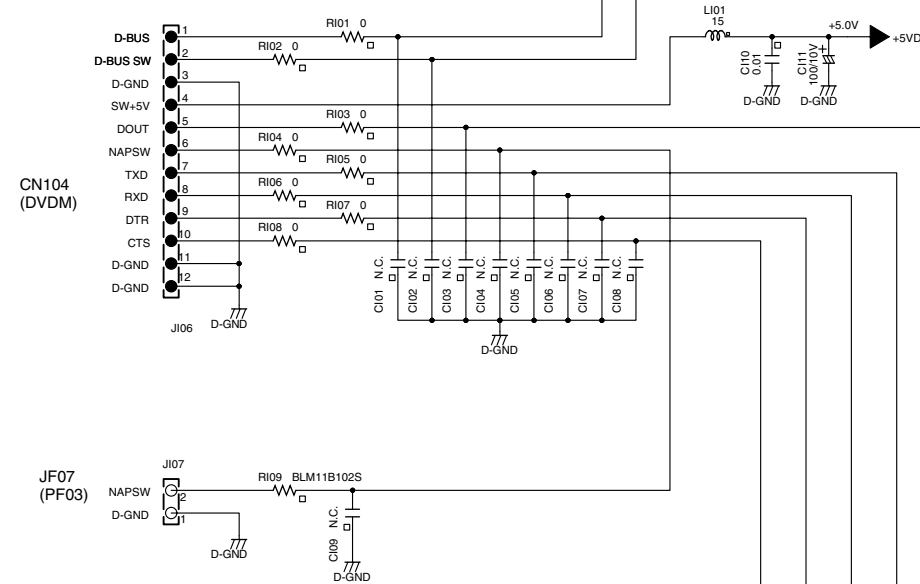
PV01-3/3 (N only)



PI01

-AREA INDICATION-

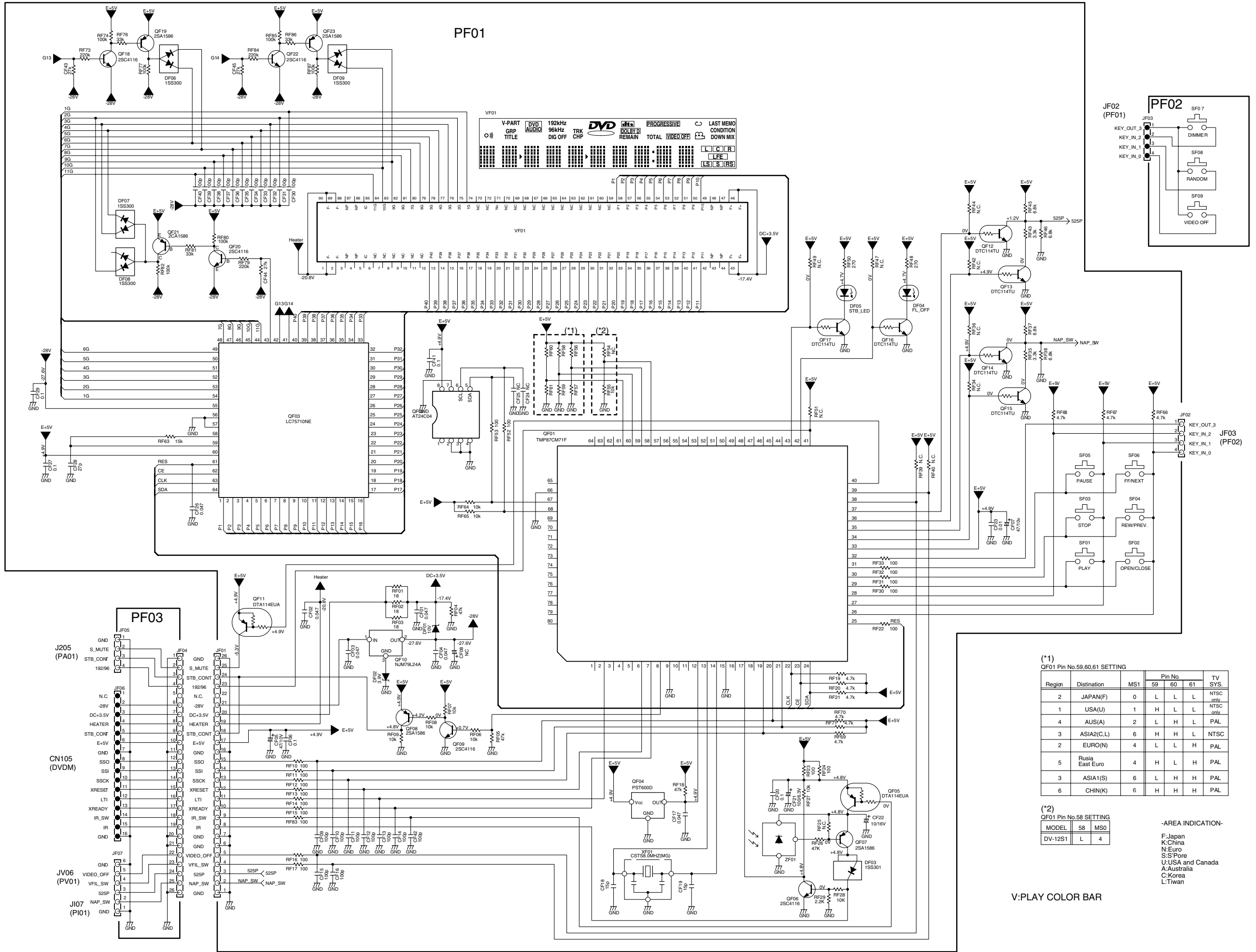
F:Japan
K:China
N:Euro
S:S'Pore
U:USA and Canada
A:Australia
C:Korea
L:Tiwan



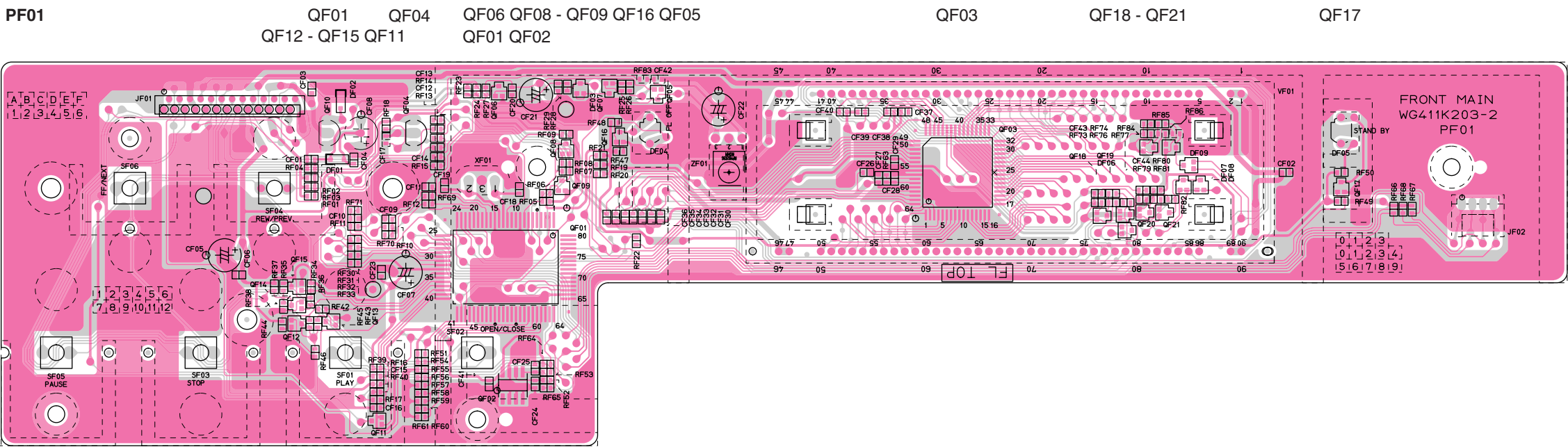
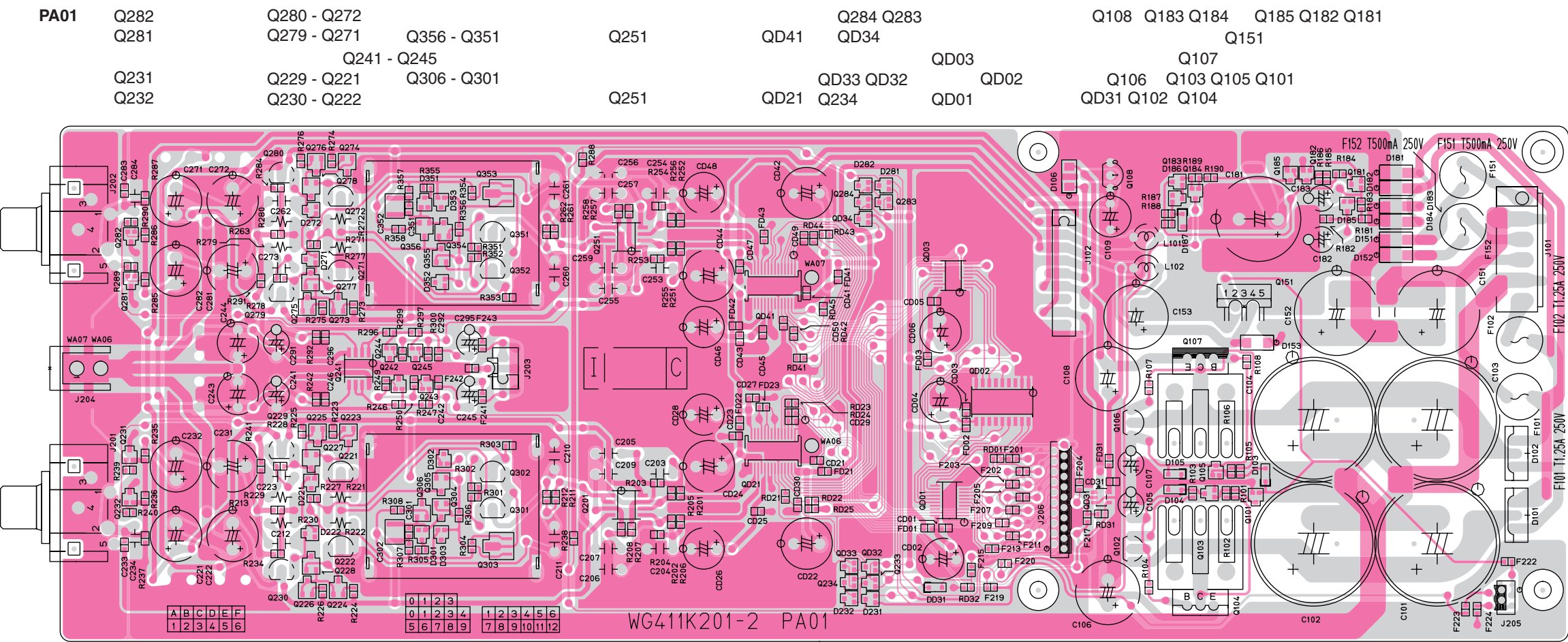
| SYM | Ver.F,L,U | Ver.A,C,K,N,S |
|---------|------------|---------------|
| FP01 | 1.25A/125V | 1.25A/250V |
| CP03,04 | 470p/250V | 220p/250V |
| CP05 | 220/200V | 120/400V |
| RP01 | 2.2M | 1M |

F:Japan
K:China
N:Euro
S:S'Pore
U:USA and Canada
A:Australia
C:Korea
L:Tiwan





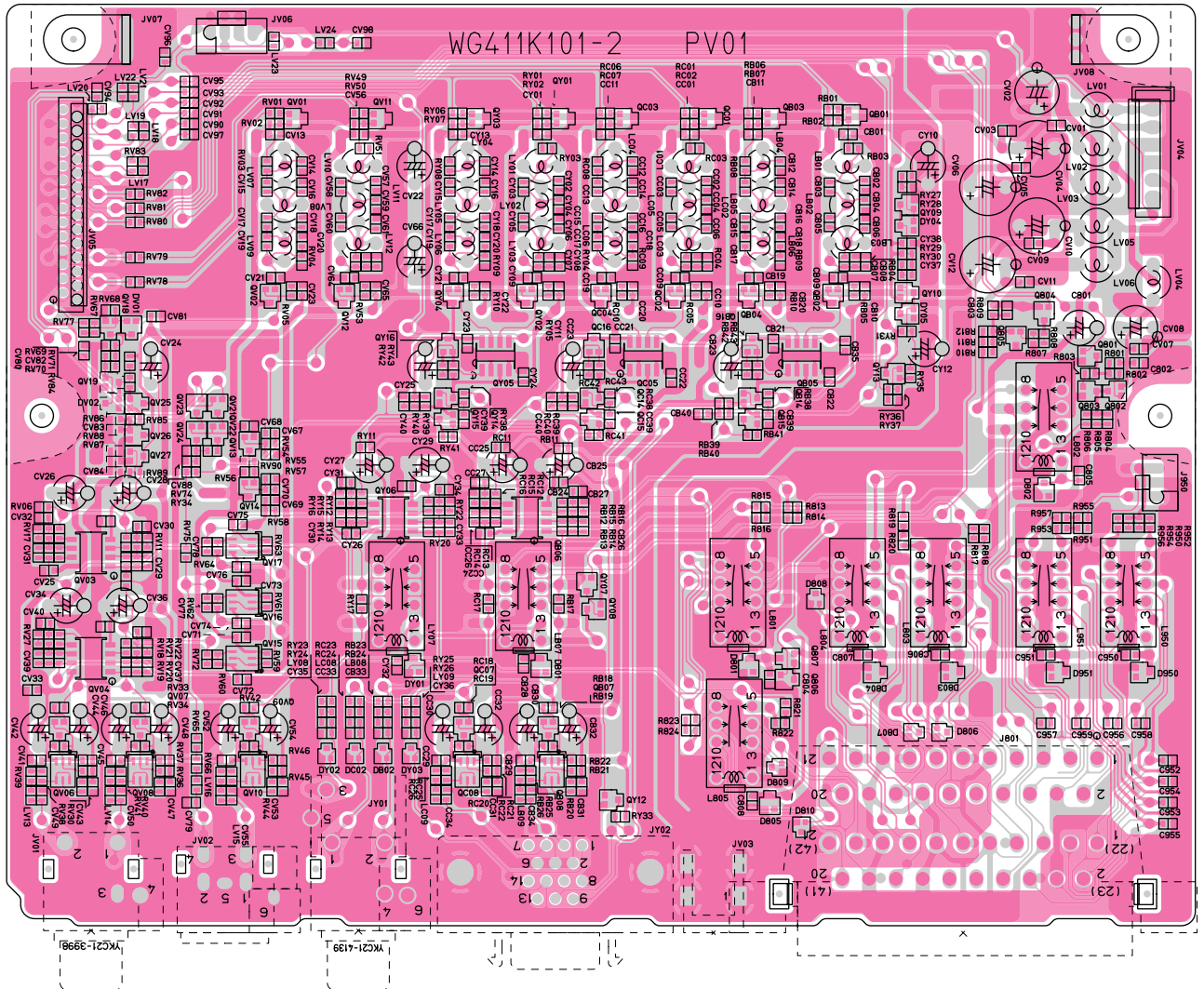
11. PARTS LOCATION



PV01

QV01 QV11 QY03 QY01 QC03 QC01 QB03 QB01 QY09
 QV18 QV19 QV02 QV12 QY04 QY02 QC04 QC02 QB04 QB02 QY10
 QV25 - QV26 QV21 - QV24 QY14 - QY16 QY05 QC14-RC16 QC05 QB14 - QB16 QB05 QY13
 QV03 QV04 QV13 - QV17 QY06 QB06 - QY08
 QV05 - QV10 QC07 QC08 QB07 QB08 QY12 Q807

Q805 -Q801



PS01

WG411K102-0 PS01

POWER SUPPLY

CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD.
REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.

ATTENTION:
Afin d'assurer une protection permanente
contre les risques d'incendie.
Remplacer uniquement par un fusible de
même type et de la même valeur.

QPO1

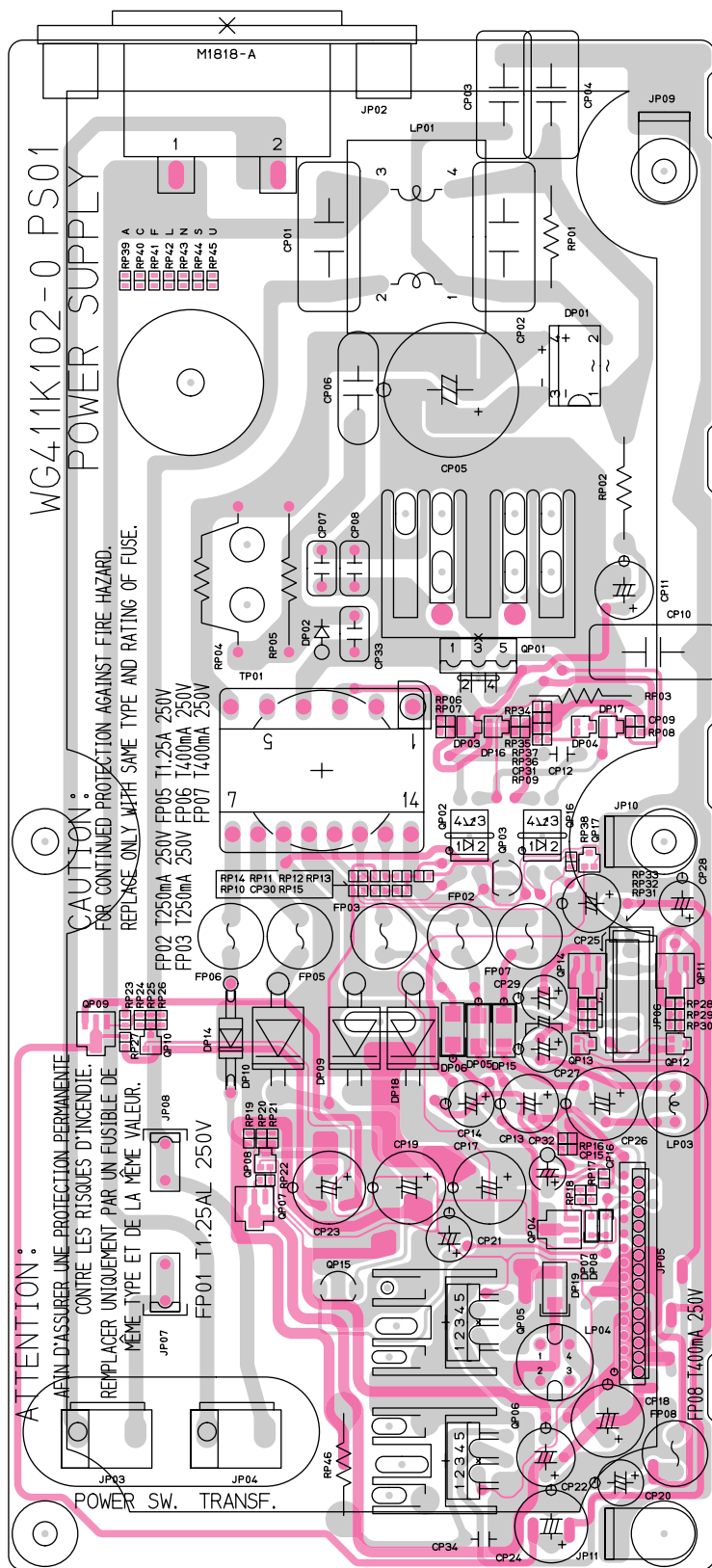
QPO2
QPO3
QPO17

QPO14 QPO11

QPO9 QPO10
QPO13 QPO12

QPO8
QPO7
QPO4
QPO5

QPO6



PD01

Q628

Q604

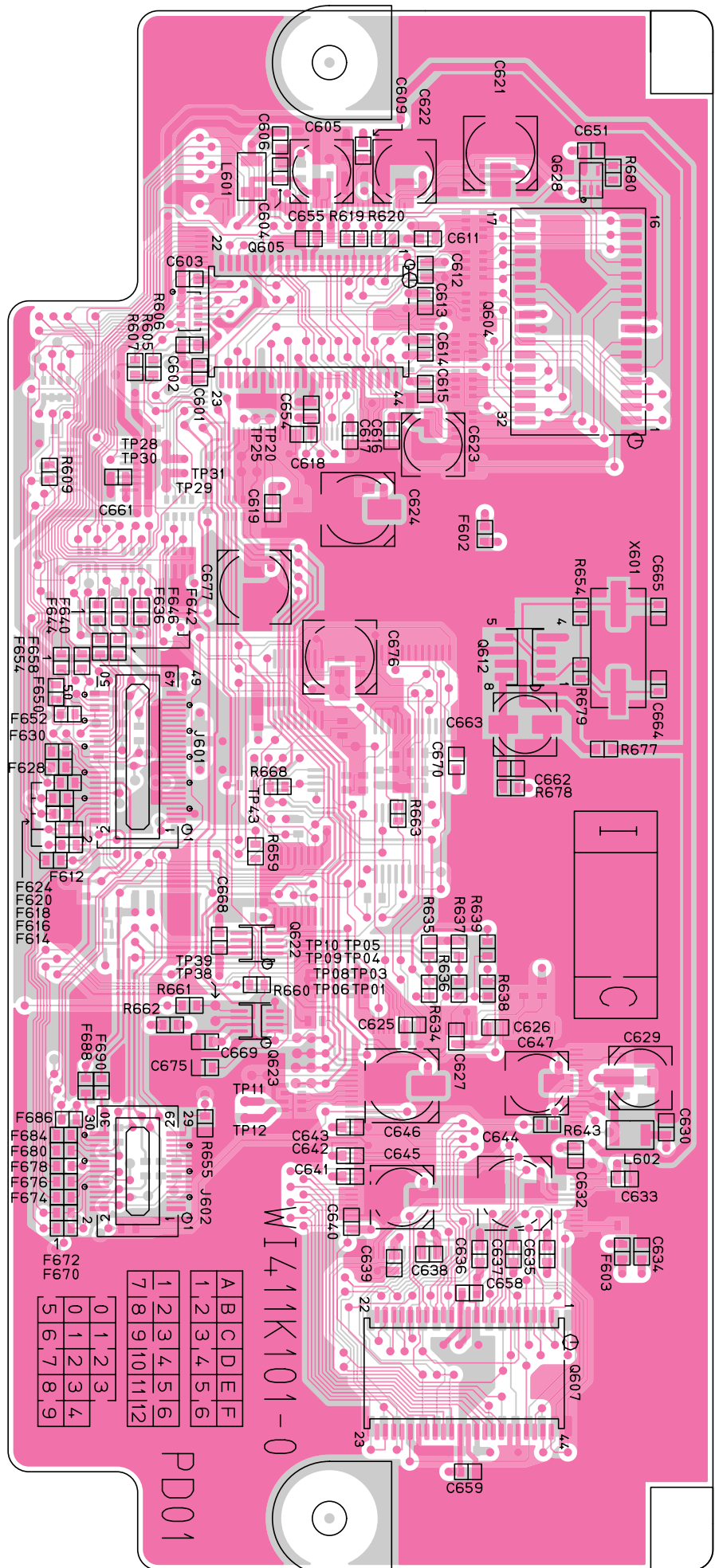
Q605

Q612

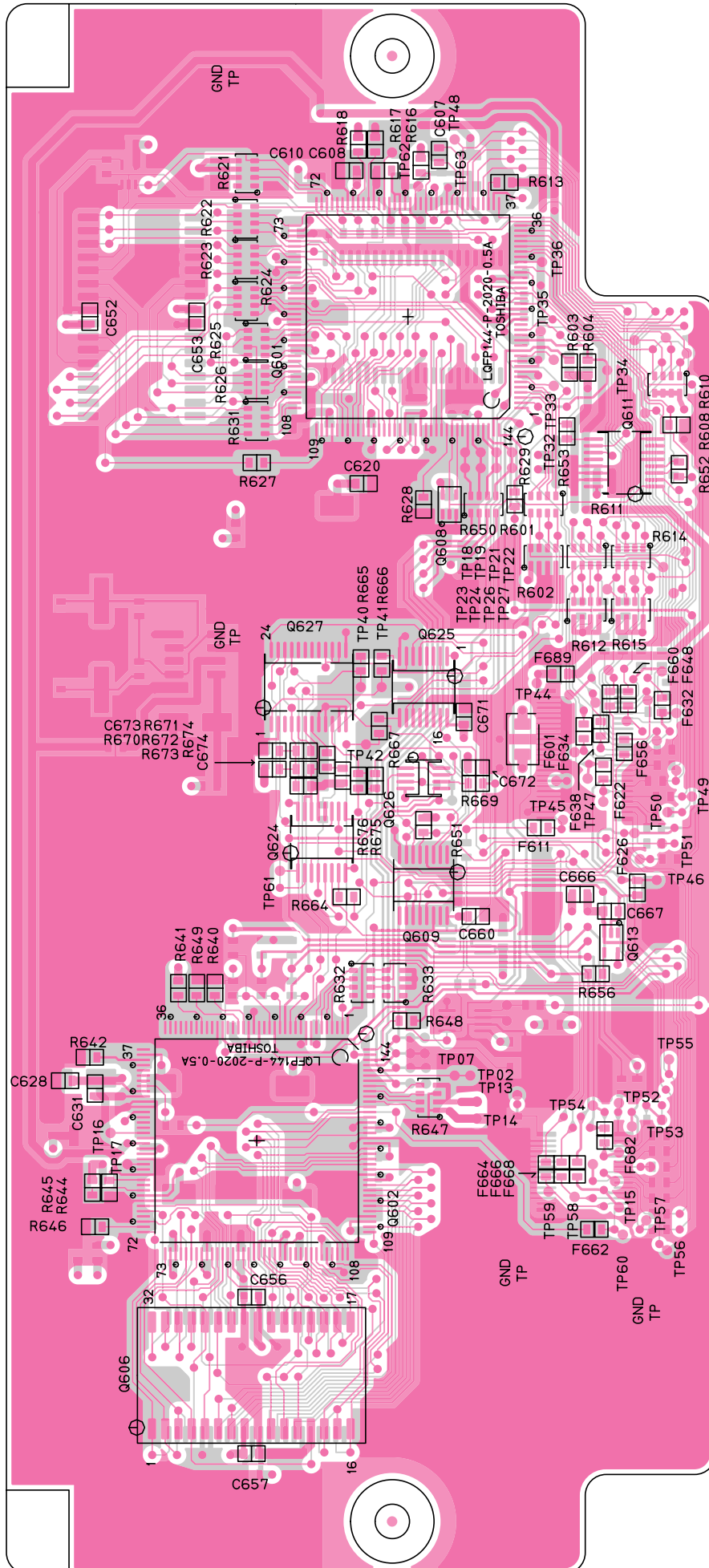
Q622

Q623

Q607



PD01



Q601

Q611

Q608

Q627

Q625

Q626

Q624

Q609

Q602

Q606

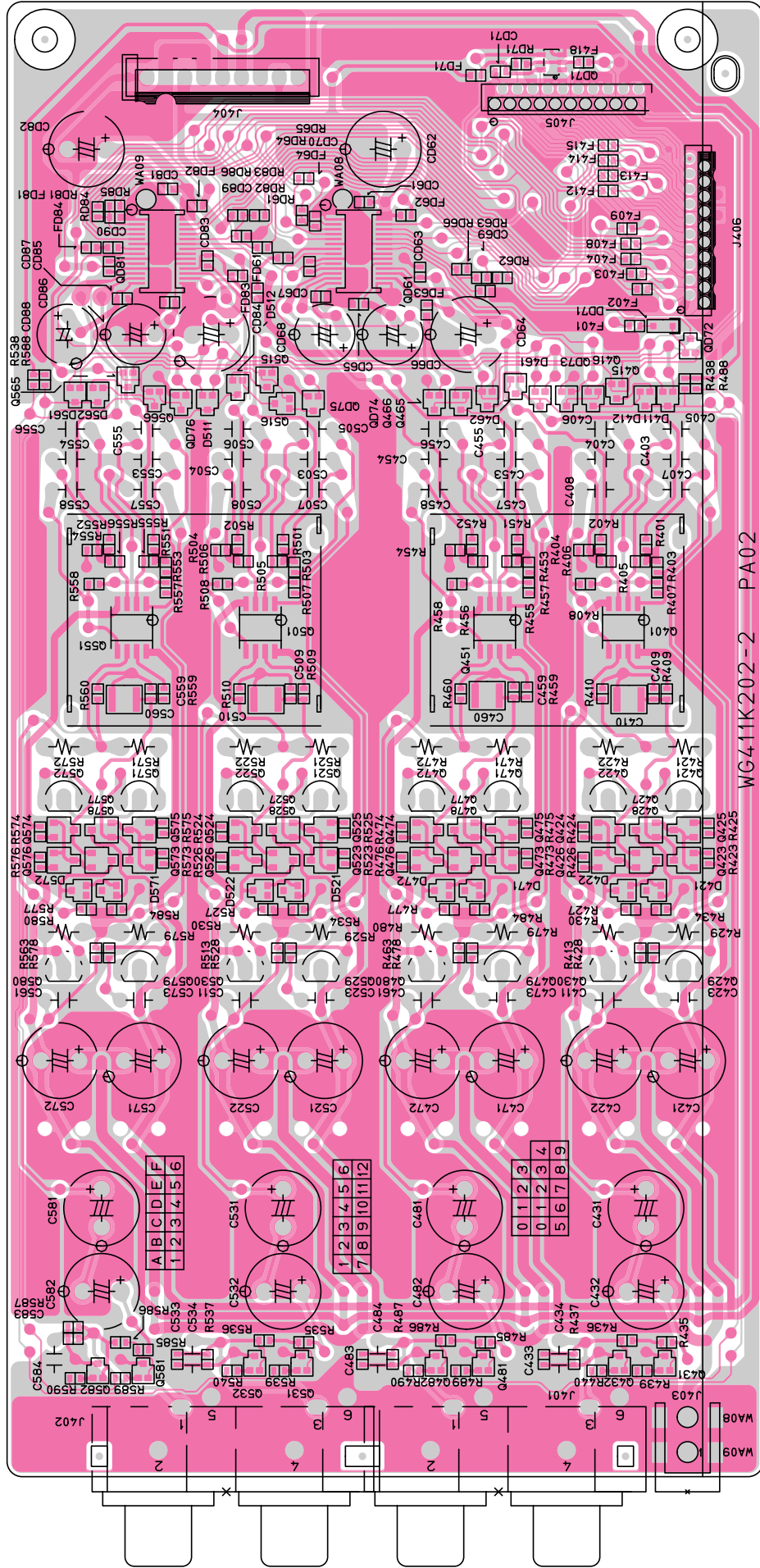
PA02 Q582 Q581
Q532 Q531
Q482 Q481
Q432 Q431

Q580 - Q571
Q530 - Q521
Q480 - Q471
Q430 - Q421

Q551
Q501
Q451
Q401

Q565 Q566 QD76 QD81
Q515 Q516 QD75
QD74 Q466 Q465 QD61
QD73 Q416 Q415 QD72

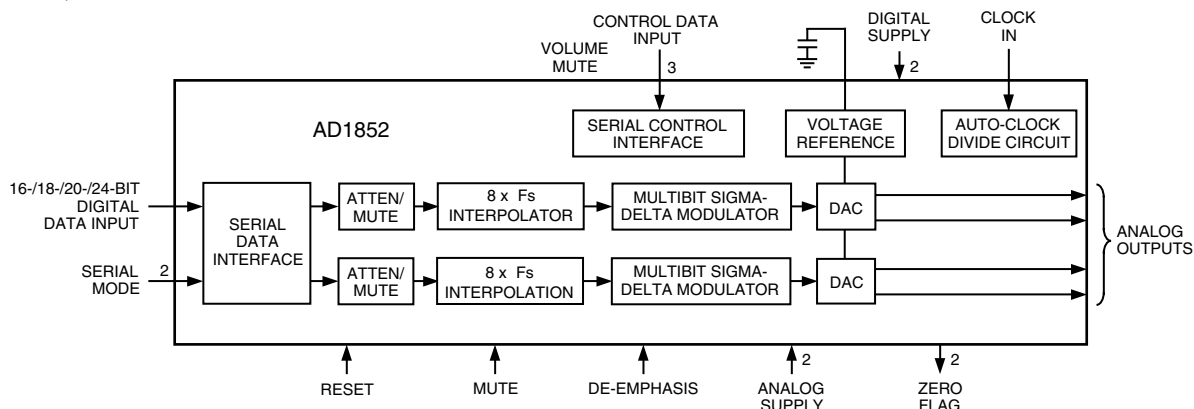
QD74



12. MICROPROCESSOR AND IC DATA

QF01:TMP87CM71F

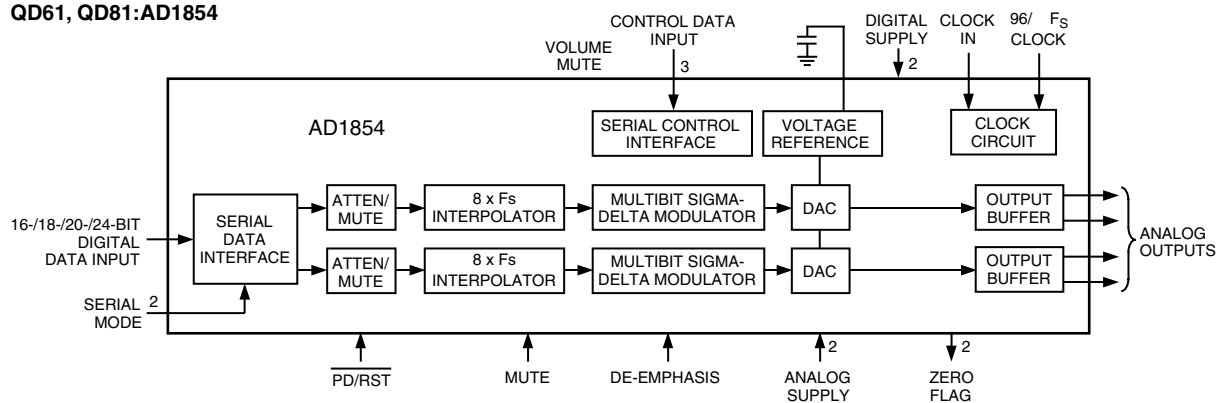
| Pin No. | Port Name | I/O | FUNCTION | |
|---------|------------|-----|--|-------------------|
| 1 | N.C. | I | | |
| 2 | LT1 | I | Communication response signal input from Mecha. unit | L: Busy, H: Ready |
| 3 | N.C. | I | | |
| 4 | N.C. | I | | |
| 5 | N.C. | I | | |
| 6 | XRESET | O | Reset signal for Mecha unit | L: Reset |
| 7 | XREADY | O | Communication handshake line for Mecha unit | L: Ready |
| 8 | STB_CONT | O | Stand-by Control | L: Standby |
| 9 | TEST | I | GND | |
| 10 | N.C. | I | | |
| 11 | N.C. | I | | |
| 12 | CPU_RST | I | Reset signal input | L: Reset |
| 13 | XIN | I | 8MHz Oscillator connecting | |
| 14 | XOUT | O | 8MHz Oscillator connecting | |
| 15 | GND | | GND | |
| 16 | N.C. | I | | |
| 17 | IR_IN | I | Remote signal input | |
| 18 | N.C. | I | | |
| 19 | SSCK | O | Serial clock output for Mecha unit | |
| 20 | SSO | I | Serial data input from Mecha unit | |
| 21 | SSI | O | Serial data output for Mecha unit | |
| 22 | VFD_CLK | O | Serial clock output for LC75710NE | |
| 23 | VFD_CE | O | Chip enable output for LC75710NE | |
| 24 | VFD_SDA | O | Serial data output for LC75710NE | |
| 25 | VFD_RST | O | Reset signal for LC75710NE | L: Reset |
| 26 | KEY_IN_0 | I | Key scan input | |
| 27 | KEY_IN_1 | I | Key scan input | |
| 28 | KEY_IN_2 | I | Key scan input | |
| 29 | KEY_OUT_0 | O | Key scan output | |
| 30 | KEY_OUT_1 | O | Key scan output | |
| 31 | KEY_OUT_2 | O | Key scan output | |
| 32 | KEY_OUT_3 | O | Key scan output | |
| 33 | +5STB | | Power supply | |
| 34 | TV_SYS_1 | O | TV System control signal for Mecha unit | |
| 35 | TV_SYS_2 | O | TV System control signal for Mecha unit | |
| 36 | I/P_1 | O | Interlace/Progressive control signal for Mecha unit | |
| 37 | I/P_2 | O | Interlace/Progressive control signal for Mecha unit | |
| 38 | V_MUTE | O | Video mute signal | L: Mute |
| 39 | VF_SW | O | Video Filter control signal | H: Progressive |
| 40 | S_MUTE | O | Audio mute control signal | L: Mute |
| 41 | 192K_96K | O | Not use | |
| 42 | FL_OFF_LED | O | FL OFF LED control | H: FL OFF |
| 43 | STB_LED | O | Standby LED control | H: Standby |
| 44 | N.C. | | | |
| 45 | N.C. | | | |
| 46 | N.C. | | | |
| 47 | N.C. | | | |
| 48 | N.C. | | | |
| 49 | N.C. | | | |
| 50 | N.C. | | | |
| 51 | N.C. | | | |
| 52 | N.C. | | | |
| 53 | N.C. | | | |
| 54 | N.C. | | | |
| 55 | N.C. | | | |
| 56 | N.C. | | | |
| 57 | N.C. | | | |
| 58 | MODEL | I | Model setting | L: DV-12S1 |
| 59 | VERSION0 | I | Destination setting | |
| 60 | VERSION1 | I | Destination setting | |
| 61 | VERSION2 | I | Destination setting | |
| 62 | N.C. | | | |
| 63 | N.C. | | | |
| 64 | N.C. | | | |
| 65 | N.C. | | | |
| 66 | VKK | | GND | |
| 67 | ROM_SDA | I/O | Serial data input/output for EEPROM | |
| 68 | ROM_SCL | O | Serial clock output for EEPROM | |
| 69 | N.C. | | | |
| 70 | N.C. | | | |
| 71 | N.C. | | | |
| 72 | N.C. | | | |
| 73 | N.C. | | | |
| 74 | N.C. | | | |
| 75 | N.C. | | | |
| 76 | N.C. | | | |
| 77 | N.C. | | | |
| 78 | N.C. | | | |
| 79 | N.C. | | | |
| 80 | N.C. | | | |



| Pin | Input/Output | Pin Name | Description |
|--------|--------------|----------|---|
| 1 | I | DGND | Digital Ground. |
| 2 | I | MCLK | Master Clock Input. Connect to an external clock source at either 256 Fs, 384 Fs, 512 Fs, 768 Fs, or 1024 Fs |
| 3 | I | CLATCH | Latch Input for Control Data. This input is rising-edge sensitive. |
| 4 | I | CCLK | Control Clock Input for Control Data. Control input data must be valid on the rising edge of CCLK. CCLK may be continuous or gated. |
| 5 | I | CDATA | Serial Control Input, MSB first, containing 16 bits of unsigned data per channel. Used for specifying channel-specific attenuation and mute. |
| 6 | | NC | No Connect. |
| 7 | I | 192/48 | Selects 48 kHz (LO) or 192 kHz Sample Frequency. |
| 8 | O | ZEROR | Right Channel Zero Flag Output. This pin goes HI when Right Channel has no signal input for more than 1024 LR Clock Cycles. |
| 9 | I | DEEMP | De-Emphasis. Digital de-emphasis is enabled when this input signal is HI. This is used to impose a 50ms/15ms response characteristic on the output audio spectrum at an assumed 44.1 kHz sample rate. Curves for 32 kHz and 48 kHz sample rates may be selected via SPI control register. |
| 10 | I | 96/48 | Selects 48 kHz (LO) or 96 kHz Sample Frequency. |
| 11, 15 | I | AGND | Analog Ground. |
| 12 | O | OUTR+ | Right Channel Positive Line Level Analog Output. |
| 13 | O | OUTR- | Right Channel Negative Line Level Analog Output. |
| 14 | O | FILTR | Voltage Reference Filter Capacitor Connection. Bypass and decouple the voltage reference with parallel 10 mF and 0.1mF capacitors to the AGND. |
| 16 | O | OUTL- | Left Channel Negative Line Level Analog Output. |
| 17 | O | OUTL+ | Left Channel Positive Line Level Analog Output. |
| 18 | I | AVDD | Analog Power Supply. Connect to Analog 5 V Supply. |
| 19 | | FILTB | Filter Capacitor Connection. Connect 10 mF capacitor to AGND (Pin 15). |
| 20 | I | IDPM1 | Input Serial Data Port Mode Control One. With IDPM0, defines 1 of 4 serial modes. |
| 21 | I | IDPM0 | Input Serial Data Port Mode Control Zero. With IDPM1, defines 1 of 4 serial modes. |
| 22 | O | ZEROL | Left Channel Zero Flag Output. This pin goes HI when Left Channel has no signal input for more than 1024 LR Clock Cycles. |
| 23 | I | MUTE | Mute. Assert HI to mute both stereo analog outputs. Deassert LO for normal operation. |
| 24 | I | RESET | Reset. The AD1852 is reset on the rising edge of this signal. The serial control port registers are reset to the default values. Connect HI for normal operation. |
| 25 | I | L/RCLK | Left/Right Clock Input for Input Data. Must run continuously. |
| 26 | I | BCLK | Bit Clock Input for Input Data. Need not run continuously; may be gated or used in a burst fashion. |
| 27 | I | SDATA | Serial Input, MSB first, containing two channels of 16, 18, 20, and 24 bits of twos complement data per channel. |
| 28 | I | DVDD | Digital Power Supply Connect to digital 5 V supply. |

Table I. Serial Data Input Mode

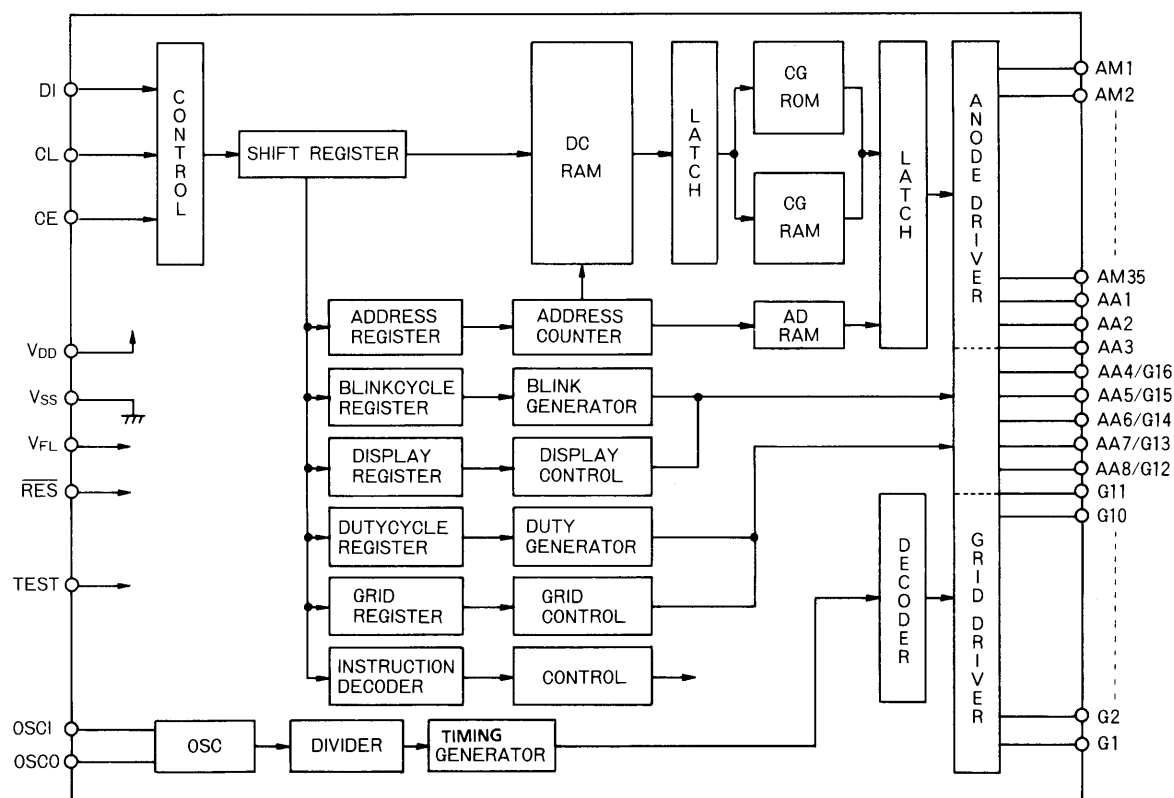
| IDPM1 (Pin 20) | IDPM0 (Pin 21) | Serial Data Input Format |
|----------------|----------------|-----------------------------|
| 0 | 0 | Right-Justified |
| 0 | 1 | I ² S-Compatible |
| 1 | 0 | Left-Justified |
| 1 | 1 | DSP |

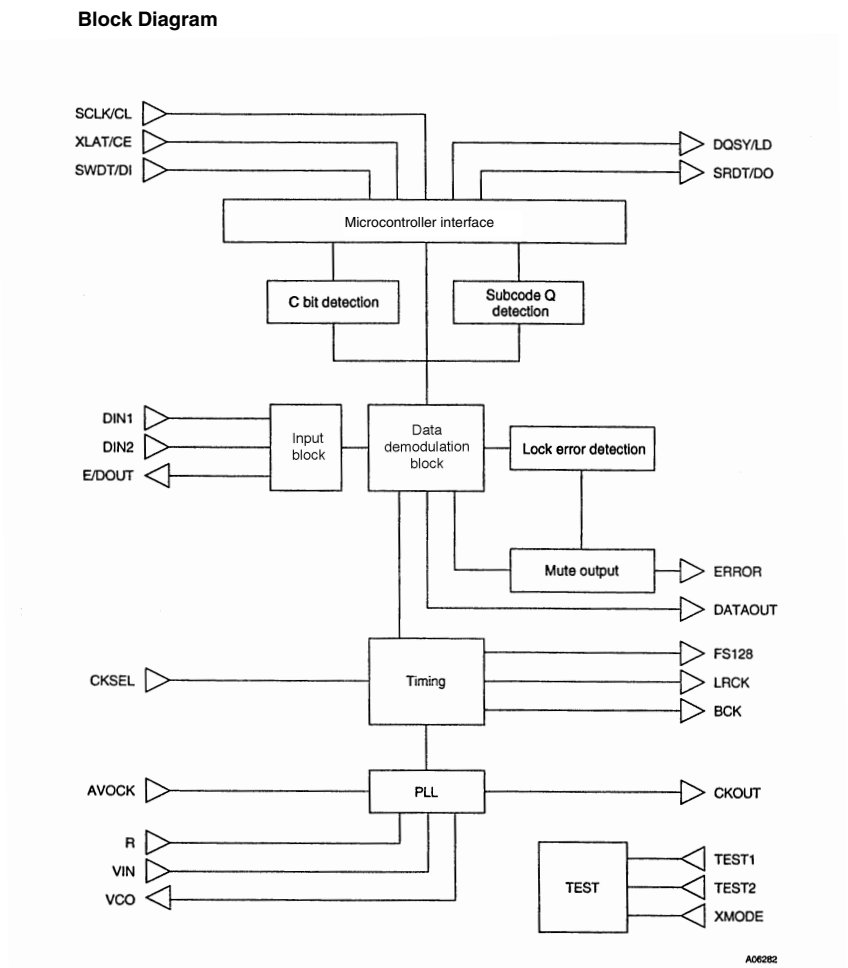


PIN FUNCTION DESCRIPTIONS

| Pin | Input/Output | Pin Name | Description |
|--------|--------------|---------------------|---|
| 1 | I | DGND | Digital Ground. |
| 2 | I | MCLK | Master Clock Input. Connect to an external clock source at either 256, 384 or 512 F_s . |
| 3 | I | CLATCH | Latchinput for control data. This input is rising-edge sensitive. |
| 4 | I | CCLK | Control clock input for control data. Control input data must be valid on the rising edge of CCLK. CCLK may be continuous or gated. |
| 5 | I | CDATA | Serial control input, MSB first, containing 16 bits of unsigned data per channel. Used for specifying channel-specific attenuation and mute. |
| 6 | I | 384/ 256 | Selectsthe master clock mode as either 384 times the intended sample frequency (HI) or 256 times the intended sample frequency (LO). The state of this input should be hardwired to logic HI or logic LO, or may be change d while the AD1854 is in power-down/reset. It must not be changed while the AD1854 is operational. |
| 7 | I | X2MCLK | Selectsinternal clock doubler (LO) or internal clock = MCLK (HI). |
| 8 | O | ZEROR | Right Channel Zero Flag Output. This pin goesHI when Right Channel has no signal input for more than 1024 LR Clock Cycles. |
| 9 | I | DEEMP | De-Emphasis. Digital de-emphasisis enabled when this input signal is HI. This is used to impose a 50 μ s/15 μ s responsecharacteristic on the output audio spectrum at an assumed44.1 kHz sample rate. |
| 10 | I | 96/ 48 | Selects48 kHz (LO) or 96 kHz Sample Frequency Control. |
| 11, 15 | I | AGND | Analog Ground. |
| 12 | O | OUTR+ | Right Channel Positive line level analog output. |
| 13 | O | OUTR- | Right Channel Negative line level analog output. |
| 14 | O | FILTR | Voltage ReferenceFilter Capacitor Connection. Bypassand decouple the voltage reference with parallel 10 μ F and 0.1 μ F capacitors to the AGND. |
| 16 | O | OUTL- | Left Channel Negative line level analog output. |
| 17 | O | OUTL+ | Left Channel Positive line level analog output. |
| 18 | I | AVDD | Analog Power Supply. Connect to analog 5 V supply. |
| 19 | O | FILTB | Filter Capacitor connection, connect 10 μ F capacitor to AGND. |
| 20 | I | IDPM1 | Input serial data port mode control one. With IDPM0, defines one of four serial modes. |
| 21 | I | IDPM0 | Input serial data port mode control zero. With IDPM1, defines one of four serial modes. |
| 22 | O | ZEROL | Left Channel Zero Flag Output. This pin goesHI when Left Channel has no signal input for more than 1024 LR Clock Cycles. |
| 23 | I | MUTE | Mute. Assert HI to mute both stereo analog outputs. Deassert LO for normal operation. |
| 24 | I | PD/RST | Power-Down/Reset The AD1854 is placed in a low power consumption mode when this pin is held LO. The AD1854 is reset on the rising edge of this signal. The serial control port registers are reset to the default values. Connect HI for normal operation. |
| 25 | I | L/R CLK | Left/ Right clock input for input data. Must run continuously. |
| 26 | I | BCLK | Bit clock input for input data. Need not run continuously; may be gated or used in a burst fashion. |
| 27 | I | SDATA | Serial input, MSB first, containing two channels of 16, 18, 20, and 24 bits of twos complement data per channel. |
| 28 | I | DVDD | Digital Power Supply Connect to digital 5 V supply. |

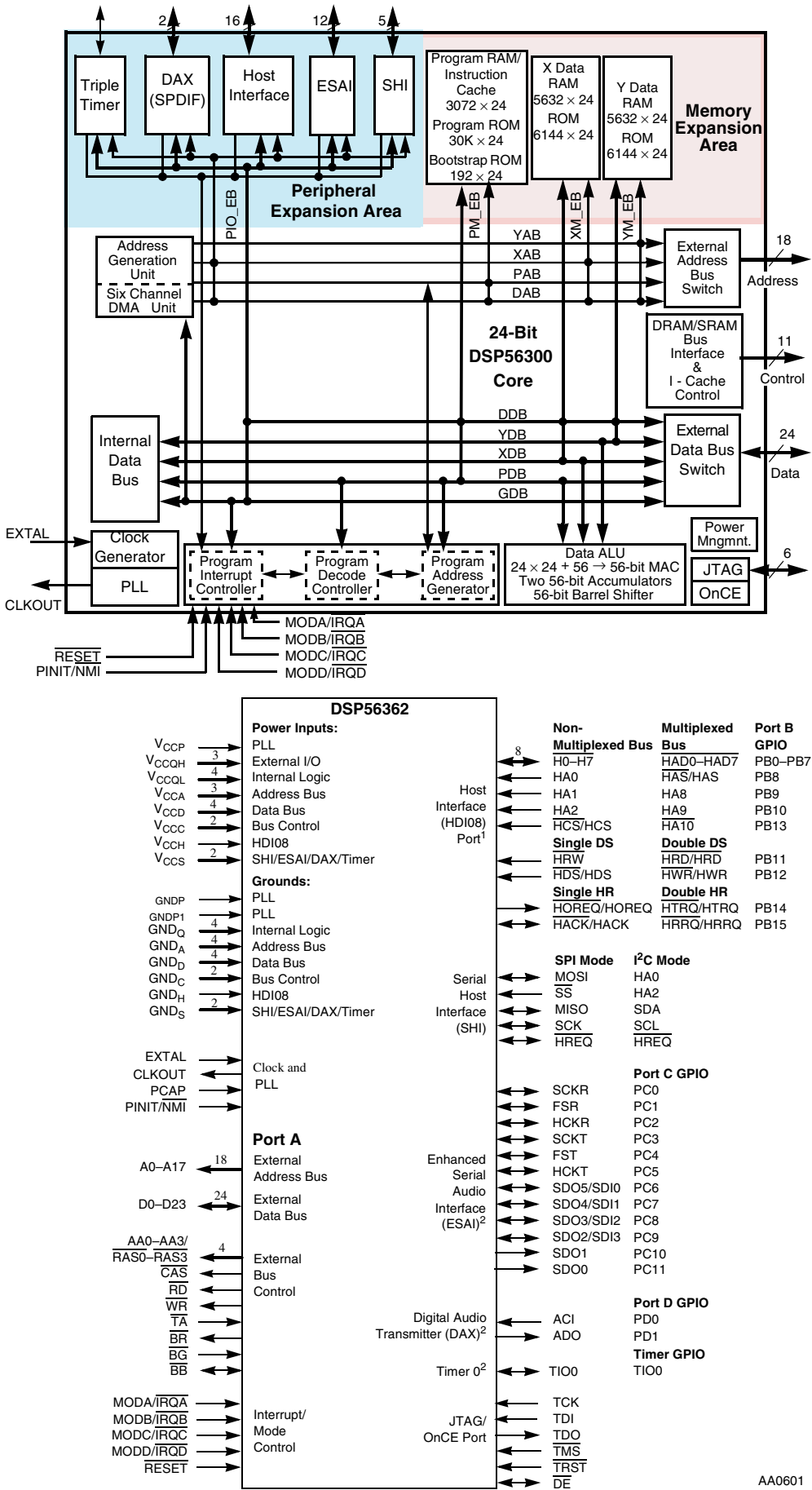
Block Diagram





Pin Functions

| Pin No. | Symbol | I/O | Description |
|---------|-----------------|-----|--|
| 1 | DIN1 | I | Data input with built-in amplifier (for coaxial or optical module input) |
| 2 | DIN2 | I | Data input (for optical module input) |
| 3 | E/DOUT | O | Emphasis, input bi-phase, and validity flag output |
| 4 | V _{DD} | - | Power supply |
| 5 | R | I | VCO gain control input |
| 6 | VIN | I | VCO free-running setting input |
| 7 | VCO | O | PLL low-pass filter setting |
| 8 | GND | - | Ground |
| 9 | CKSEL | I | System clock selection input (384fs or 512fs) |
| 10 | XMODE | I | Reset input |
| 11 | AVOCK | I | PLL error lock avoidance clock input |
| 12 | TEST1 | I | Test input (Must be connected to ground in normal operation) |
| 13 | TEST2 | I | Test input (Must be connected to ground in normal operation) |
| 14 | SCLK/CL | I | Microcontroller interface clock input |
| 15 | XLAT/CE | I | Microcontroller interface latch/chip enable input |
| 16 | SWDT/DI | I | Microcontroller interface write data input |
| 17 | SRDT/DO | O | Microcontroller interface read data output |
| 18 | DQSY/LD | O | Microcontroller interface subcode Q and ID synchronization output |
| 19 | CKOUT | O | VCO clock output (free running, 384fs, or 512fs) |
| 20 | FS128 | O | 128fs clock output |
| 21 | BCK | O | Bit clock output |
| 22 | LRCK | O | L/R clock output (left channel = high, right channel = low) |
| 23 | DATAOUT | O | Audio data output |
| 24 | ERROR | O | PLL lock error mute output |



- Notes:
- The HDIO8 port supports a nonmultiplexed or a multiplexed bus, single or double data strobe (DS), and single or double host request (HR) configurations. Since each of these modes is configured independently, any combination of these modes is possible. These HDIO8 signals can also be configured alternately as GPIO signals (PB0–PB15). Signals with dual designations (e.g., HAS/HAS) have configurable polarity.
 - The ESAI signals are multiplexed with the port C GPIO signals (PC0–PC11). The DAX signals are multiplexed with the Port D GPIO signals (PD0–PD1). The timer 0 signal can be configured alternately as the timer GPIO signal (TIO0).

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|----------------------------|----------------|---------|-------------|--------------------|---|----------------|
| 001A | | nsp | DB-VLD102 DVD LOADER | nsp | 004M | /F | | DVD LOGO BADGE FOR TRAY ESCUT | 411K251010 |
| 002A | /A/C/L/S | | DB-VPB233 DVD BOARD | ZK411K0220 | | | | | |
| 002A | /F/U | | DB-VPB231 DVD BOARD | ZK411K0210 | | | | | |
| 002A | /N | 9965 000 11713 | DB-VPB232 DVD BOARD | ZK411K0230 | ▲ T101 | /A/C/N/S | 9965 000 11697 | MAINS TROIDAL TRANSF. AC230V | TS56502030 |
| 001B | /A/C/L/N | nsp | FRONT PANEL ASSY | 411K248520 | ▲ T101 | /F | | MAINS TROIDAL TRANSF. A/C00V | TS56502020 |
| | /S/U | | GOLD BLAST | | ▲ T101 | /L/U | | MAINS TROIDAL TRANSF. A/C20V | TS56502010 |
| 001B | (GOLD) | | FRONT PANEL ASSY | 411K248540 | | | | | |
| 001B | /F | | GOLD HAIR | | ▲ W001 | /A | | MAINS CORD 250V 9A AUSTRALIA | ZC02006040 |
| 001B | (GOLD) | nsp | FRONT PANEL ASSY | 411K248510 | ▲ W001 | /C | | MAINS CORD 7A 249V KOREA | ZC02009010 |
| 002B | /N/U | 9965 000 11726 | FRONT PANEL BLACK BLAST | 411K248110 | ▲ W001 | /F | | MAINS CORD 125V 11A JAPAN | ZC01802080 |
| 002B | (BLACK) | | FRONT PANEL GOLD BLAST | 411K248120 | ▲ W001 | /L/U | | MAINS CORD 10A 124V UL/CSA | ZC01803100 |
| 002B | /A/C/L/N | | FRONT PANEL | | ▲ W001 | /N | 4822 321 11033 | MAINS CORD 10A 250V CLAS/S | ZC01803080 |
| 002B | /S/U | | GOLD BLAST | | ▲ W001 | /S | | MAINS CORD 10A 249V S PORE | ZC01804100 |
| 002B | (GOLD) | 9965 000 11606 | FRONT PANEL GOLD HAIR LINE | 411K248010 | | | | | |
| 002B | /F | | FRONT PANEL | | | | | | |
| 002B | (GOLD) | | BLACK BLAST | | | | | | |
| 002B | /N/U | | | | | | | | |
| 002B | (BLACK) | | | | | | | | |
| 003B | GOLD | 4822 426 10497 | ESCUTCHEON GOLD | 269J063110 | | | | | |
| 003B | BLACK | 4822 426 10496 | ESCUTCHEON BLACK | 269J063010 | | | | | |
| 008B | GOLD | 9965 000 01554 | MARANTZ BADGE GOLD | 313J251110 | | | | | |
| 008B | BLACK | 9965 000 01553 | MARANTZ BADGE BLACK | 313J251010 | | | | | |
| 009B | GOLD | 9965 000 11725 | WINDOW | 411K158010 | 001T | /A | | PACKING USER GUIDE | 411K851250 |
| | | | FOR FRONT PANEL GOLD | | 001T | /C/L/S | | USER GUIDE | 411K851350 |
| 009B | BLACK | 9965 000 11605 | WINDOW | 411K158020 | 001T | /F | | USER GUIDE | 411K851110 |
| | | | FOR FRONT PANEL BLACK | | 001T | /N | 9965 000 11617 | USER GUIDE | 411K851310 |
| 010B | GOLD | 9965 000 11728 | BUSH FOR TRAY GOLD | 411K259110 | 001T | /U | | USER GUIDE | 411K851250 |
| 010B | BLACK | 9965 000 11608 | BUSH FOR TRAY BLACK | 411K259010 | | | | | |
| 012B | /A/G | 9965 000 11729 | BUSH FOR PLAY BUTTON GOLD | 411K259120 | 008T | /C/L/S | | USER MANUAL INSTRUCTION | 411K851010 |
| 012B | GOLD | 9965 000 11729 | BUSH | 411K259120 | | | | | |
| 012B | BLACK | 9965 000 11609 | FOR PLAY BUTTON GOLD | 411K259020 | 001Z | /A/C/L/N | 9965 000 11712 | REMOTE CONTROLLER RC-12DVS1 | ZK411K0010 |
| | | | BUSH | | 001Z | /S/U | | REMOTE CONTROLLER RC-12DVS1F | ZK411K0020 |
| | | | FOR PLAY BUTTON BLACK | | | /F | | | |
| 014B | GOLD | 9965 000 11730 | BUSH FOR FF/REV GOLD | 411K259130 | | | | | |
| 014B | BLACK | 9965 000 11610 | BUSH FOR FF/REV BLACK | 411K259030 | | | | | |
| 015B | GOLD | 9965 000 11731 | BUSH FOR DIMMER GOLD | 411K259140 | | | | | |
| 015B | BLACK | 9965 000 11611 | BUSH FOR DIMMER BLACK | 411K259040 | | | | | |
| 016B | GOLD | 9965 000 11732 | BUSH FOR POWER GOLD | 411K259150 | | | | | |
| 016B | BLACK | 9965 000 11612 | BUSH FOR POWER BLACK | 411K259050 | | | | | |
| 018B | GOLD | 9965 000 11733 | BUTTON FOR OPEN GOLD | 411K270110 | | | | | |
| 018B | BLACK | 9965 000 11613 | BUTTON FOR OPEN BLACK | 411K270010 | | | | | |
| 019B | GOLD | 9965 000 11734 | BUTTON FOR PLAY GOLD | 411K270120 | | | | | |
| 019B | BLACK | 9965 000 11614 | BUTTON FOR PLAY BLACK | 411K270020 | | | | | |
| 021B | GOLD | 9965 000 11735 | BUTTON FOR FF/REV GOLD | 411K270130 | | | | | |
| 021B | BLACK | 9965 000 11615 | BUTTON FOR FF/REV BLACK | 411K270030 | | | | | |
| 022B | GOLD | 9965 000 11736 | BUTTON FOR DIMMER GOLD | 411K270140 | | | | | |
| 022B | BLACK | 9965 000 11616 | BUTTON FOR DIMMER BLACK | 411K270040 | | | | | |
| 023B | GOLD | 4822 410 11276 | BUTTON FOR POWER GOLD | 176J270150 | | | | | |
| 023B | BLACK | 4822 410 11275 | BUTTON FOR POWER BLACK | 176J270050 | | | | | |
| 001D | GOLD | 9965 000 11727 | TOP LID GOLD | 411K257110 | | | | | |
| 001D | BLACK | 9965 000 11607 | TOP LID BLACK | 411K257010 | | | | | |
| 005D | GOLD | 4822 502 14425 | SCREW FOR TOP LID GOLD | 323S010020 | | | | | |
| 005D | BLACK | 4822 502 21693 | SCREW FOR TOP LID BLACK | 323S010030 | | | | | |
| 006D | GOLD | 4822 426 10499 | SIDE PANEL GOLD | 269J249110 | | | | | |
| 006D | BLACK | 4822 426 10498 | SIDE PANEL BLACK | 269J249010 | | | | | |
| 009D | GOLD | 4822 502 14425 | SCREW | 323S010020 | | | | | |
| | | | FOR SIDE PANEL GOLD | | | | | | |
| 009D | BLACK | 4822 502 21693 | SCREW | 323S010030 | 001S | | | NOT STANDARD SPARE PARTS | |
| | | | FOR SIDE PANEL BLACK | | 002S | | | PACKING CASE | 411K801010 |
| | | | | | 003S | | | CUSHION FOR SET (LEFT) | 410K809010 |
| 004G | | 4822 462 11116 | LEG GOLD BLAST | 163J057410 | | | | CUSHION FOR SET (RIGHT) | 410K809020 |
| 002M | GOLD | 9965 000 11724 | ESCUTCHEON FOR TRAY GOLD | 411K063110 | 003Z | | | CONNECTIVE CORD 3PIN CINCH (VIDEO&L/R) 1.5M | ZD01500410 |
| 002M | BLACK | 9965 000 11604 | ESCUTCHEON FOR TRAY GOLD | 411K063010 | 004Z | | | CONNECTIVE CORD CINCH RC-5 CORD 0.9M | ZD00900100 |

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

14. ELECTRICAL PARTS LIST

ASSIGNMENT OF COMMON PARTS CODES.

RESISTORS

R***: 1) GD05 × × × 140, Carbon film fixed resistor, ±5% 1/4W
R***: 2) GD05 × × × 160, Carbon film fixed resistor, ±5% 1/6W

① — Resistance value

Examples ;

① Resistance value

0.1 Ω 001 10 Ω 100 1 kΩ 102 100 kΩ 104
0.5 Ω 005 18 Ω 180 2.7 kΩ 272 680 kΩ 684
1 Ω 010 100 Ω 101 10 kΩ 103 1 MΩ 105
6.8 Ω 068 390 Ω 391 22 kΩ 223 4.7 MΩ 475

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

CAPACITORS

C***: CERAMIC CAP.

3) DD1 × × × × 370, 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
±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 ±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



C***: CERAMIC CAP.

4) DK16 × × × 300, 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

C***: 5) ELECTROLY CAP. (), 6) FILM CAP. ()

5) EA × × × × × 10, Electrolytic capacitor
One-way lead type, Tolerance ±20%
⑤ — Working voltage
⑥ — Capacity value

Examples ;

⑤ Capacity value

0.1 μF 104 4.7 μF 475 100 μF 107
0.33 μF 334 10 μF 106 330 μF 337
1 μF 105 22 μF 226 1100 μF 118
2200 μF 228

⑥ Working voltage

6.3V 006 25V 025
10V 010 35V 035
16V 016 50V 050

6) DF15 × × × 350 — Plastic film capacitor
DF15 × × × 310 — One-way type, Mylar ±5% 50V
DF16 × × × 310 — Plastic film capacitor
One-way type, Mylar ±10% 50V
⑦ — Capacity value

Examples ;

⑦ Capacity value

0.001 μF (1000 pF) 102 0.1 μF 104
0.0018 μF 182 0.56 μF 564
0.01 μF 103 1 μF 105
0.015 μF 153

NOTE : 1) The above CODES (R***, R***, C***, C*** and C***) are omitted on the schematic diagram in some case.

2) On the occasion, be confirmed the common parts on the parts list.

3) Refer to "Common Parts List" for the other common parts (R105, DD4, DK4).

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 |
|----------------|--------------------|-------------|
| NH05 × × × 140 | RF25S × × × × ΩJ | (±5% 1/4W) |
| NH05 × × × 120 | RF50S × × × × ΩJ | (±5% 1/2W) |
| NH85 × × × 110 | RF73B2A × × × × ΩJ | (±5% 1/10W) |
| NH95 × × × 140 | RF73B2E × × × × ΩJ | (±5% 1/4W) |

* Resistance value Resistance value
(0.1 Ω – 10 kΩ)

2. Matsushita Electronic Components Co., Ltd

| Part No. (MJI) | Type No. (MEC) | Description |
|----------------|----------------|-------------|
| NF05 × × × 140 | ERD-2FCJ × × × | (±5% 1/4W) |
| RF05 × × × 140 | | |
| NF02 × × × 140 | ERD-2FCG × × × | (±2% 1/4W) |
| RF02 × × × 140 | | |

* Resistance value * Resistance value

Examples ;

* Resistance value

0.1 Ω 001 10 Ω 100 1 kΩ 102 100 kΩ 104
0.5 Ω 005 18 Ω 180 2.7 kΩ 272 680 kΩ 684
1 Ω 010 100 Ω 101 10 kΩ 103 1 MΩ 105
6.8 Ω 068 390 Ω 391 22 kΩ 223 4.7 MΩ 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 **FS20xxx2xx**, 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。

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJJ) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJJ) |
|---------|-------------|--------------------|---|----------------|---------|-------------|--------------------|----------------------------|----------------|
| | | | PA01-AUDIO 2CH CIRCUIT BOARD | | | | | | |
| | | | PA01-CAPACITORS | | | | | | |
| ▲ C101 | | 9965 000 11690 | ELECT. 2200μF M 25V CILMIC | OA22802540 | C257 | /F/U | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |
| ▲ C102 | | 9965 000 11690 | ELECT. 2200μF M 25V CILMIC | OA22802540 | C259 | /A/C/L/N /S | 9965 000 11692 | FILM 220pF J 100V NH | OF15221550 |
| ▲ C103 | | 9965 000 11690 | ELECT. 2200μF M 25V CILMIC | OA22802540 | C259 | /F/U | 4822 121 10792 | FILM 220pF 100V PP APSV J | OF15221540 |
| ▲ C104 | | 9965 000 11690 | ELECT. 2200μF M 25V CILMIC | OA22802540 | C260 | /A/C/L/N /S | 9965 000 11693 | FILM 270pF J 100V NH | OF15271550 |
| C105 | | 4822 124 40433 | ELECT. 47μF M 16V ARS | OA47601640 | C260 | /F/U | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 |
| C106 | | 4822 124 80958 | ELECT. 470μF M 16V CILMIC | OA47701640 | C271 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 |
| C107 | | 4822 124 40433 | ELECT. 47μF 16V ARS | OA47601640 | C272 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 |
| C108 | | 4822 124 80958 | ELECT. 470μF M 16V CILMIC | OA47701640 | C273 | /A/C/L/N /S | 9965 000 11694 | FILM 680pF J 100V NH | OF15681550 |
| C109 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 | C273 | /F/U | 9965 000 01564 | FILM 680pF ±5% 100V OFC | OF55681540 |
| ▲ C151 | | 4822 124 90388 | ELECT. 3300μF M 16V RA-2 | OA33801620 | C281 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 |
| ▲ C152 | | 4822 124 90388 | ELECT. 3300μF M 16V RA-2 | OA33801620 | C282 | | 4822 111 41305 | RES. 0Ω ±5% 1/4W | GD05000140 |
| C153 | | 4822 124 22721 | ELECT. 1000μF M 10V ARA | OA10801050 | C284 | /A/C/L/N /S | 9965 000 11693 | FILM 270pF J 100V NH | OF15271550 |
| C181 | | 4822 124 21511 | ELECT. 2200μF M 25V RA-2 | OA22802520 | C284 | /F/U | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 |
| C182 | | 4822 124 90351 | ELECT. 0.1μF M 50V RA-2 | OA10405020 | C291 | /N | 9965 000 02015 | ELECT. 22μF M 25V ARS | OA22602540 |
| C183 | | 4822 124 41534 | ELECT. 10μF M 25V RA-2 | OA10602520 | C292 | /N | 9965 000 11667 | CER.CHIP 270pF ±5% | DD95271300 |
| | | | | | C295 | /N | 4822 124 41539 | ELECT. 47μF M 16V RA-2 | OA47601620 |
| | | | | | C296 | /N | 9965 000 11667 | CER.CHIP 270pF ±5% | DD95271300 |
| C203 | /A/C/L/N /S | 9965 000 11691 | FILM 1000pF J 100V NH | OF15102550 | C302 | | 9965 000 06821 | CHIP MICACHIP 33pF 500WV | DF95330500 |
| C203 | /F/U | 4822 121 70437 | FILM 1000pF J 100V APSV | OF15102540 | C352 | | 9965 000 06821 | CHIP MICACHIP 33pF 500WV | DF95330500 |
| C204 | /A/C/L/N /S | 9965 000 11691 | FILM 1000pF J 100V NH | OF15102550 | | | | | |
| C204 | /F/U | 4822 121 70437 | FILM 1000pF J 100V APSV | OF15102540 | CD01 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C205 | /A/C/L/N /S | 9965 000 10846 | FILM 560pF J 100V NH | OF15561550 | CD02 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| C205 | /F/U | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | CD03 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C206 | /A/C/L/N /S | 9965 000 10846 | FILM 560pF J 100V NH | OF15561550 | CD04 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| C206 | /F/U | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | CD05 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C207 | /A/C/L/N /S | 9965 000 10846 | FILM 560pF J 100V NH | OF15561550 | CD06 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| C207 | /F/U | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | CD21 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C209 | /A/C | 9965 000 11692 | FILM 220pF J 100V NH | OF15221550 | CD22 | | 9965 000 04984 | ELECT. 1000μF 10V M RA-2 | OA10801020 |
| | /L/N /S | | | | CD23 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C209 | /F/U | 4822 121 10792 | FILM 220pF 100V PP APSV J | OF15221540 | CD24 | | 4822 124 80119 | ELECT. 100μF 25V ARS | OA10702540 |
| C210 | /A/C/L/N /S | 9965 000 11693 | FILM 270pF J 100V NH | OF15271550 | CD25 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C210 | /F/U | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 | CD26 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 |
| C221 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | CD27 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C222 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | CD28 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 |
| C223 | /A/C/L/N /S | 9965 000 11694 | FILM 680pF J 100V NH | OF15681550 | CD29 | | 4822 122 33777 | CER.CHIP 47pF ±5% CG 50V | DD95470300 |
| C223 | /F/U | 9965 000 01564 | FILM 680pF ±5% 100V OFC | OF55681540 | CD30 | | 5322 126 11578 | CER.CHIP 1000pF ±10% B 50V | DK96102300 |
| C231 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | CD41 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C232 | | | RES. 0Ω ±5% 1/4W | GD05000140 | CD42 | | 9965 000 04984 | ELECT. 1000μF 10V M RA-2 | OA10801020 |
| C234 | /A/C/L/N /S | 9965 000 11693 | FILM 270pF J 100V NH | OF15271550 | CD43 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C234 | /F/U | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 | CD44 | | 4822 124 80119 | ELECT. 100μF 25V ARS | OA10702540 |
| C241 | /N | 9965 000 02015 | ELECT. 22μF M 25V ARS | OA22602540 | CD45 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C242 | /N | 9965 000 11667 | CER.CHIP 270pF ±5% | DD95271300 | CD46 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 |
| C245 | /N | 4822 124 41539 | ELECT. 47μF M 16V RA-2 | OA47601620 | CD47 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 |
| C246 | /N | 9965 000 11667 | CER.CHIP 270pF ±5% | DD95271300 | CD48 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 |
| C253 | /A/C/L/N /S | 9965 000 11691 | FILM 1000pF J 100V NH | OF15102550 | CD49 | | 4822 122 33777 | CER.CHIP 47pF ±5% CG 50V | DD95470300 |
| C253 | /F/U | 4822 121 70437 | FILM 1000pF J 100V APSV | OF15102540 | CD50 | | 5322 126 11578 | CER.CHIP 1000pF ±10% B 50V | DK96102300 |
| C254 | /A/C/L/N /S | 9965 000 11691 | FILM 1000pF J 100V NH | OF15102550 | | | | | |
| C254 | /C | 9965 000 11691 | FILM 1000pF J 100V NH | OF15102550 | | | | | |
| C254 | /F/U | 4822 121 70437 | FILM 1000pF J 100V APSV | OF15102540 | | | | | |
| C255 | /A/C/L/N /S | 9965 000 10846 | FILM 560pF J 100V NH | OF15561550 | | | | | |
| C255 | /F/U | 9965 000 06697 | FILM 560pF 100V PP APSV J | OF15561540 | | | | | |
| C256 | /A/C/L/N /S | 9965 000 10846 | FILM 560pF J 100V NH | OF15561550 | | | | | |
| C256 | /F/U | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | | | | | |
| C257 | /A/C/L/N /S | 9965 000 10846 | FILM 560pF J 100V NH | OF15561550 | | | | | |
| | | | | | | | | PA01-RESISTORS | |
| | | | | | R101 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R102 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R103 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| | | | | | R104 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| | | | | | R105 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R106 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R107 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| | | | | | R108 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| | | | | | R181 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| | | | | | R182 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R183 | | 9965 000 03193 | CHIP RES. 3.3MΩ ±5% 1/16W | NN05335610 |
| | | | | | R184 | | 4822 117 12925 | CHIP RES. 47kΩ ±5% 1/16W | NN05473610 |
| | | | | | R185 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R186 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| | | | | | R187 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | R188 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | R189 | | 4822 117 12925 | CHIP RES. 47kΩ ±5% 1/16W | NN05473610 |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|---------------------------|----------------|---------|-------------|--------------------|----------------------------|----------------|
| R190 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | R300 | /N | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| R201 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R301 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| R202 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R302 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| R203 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | R303 | | 9965 000 11688 | CHIP RES. 240Ω ±0.5% | NN05241610 |
| R204 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | R304 | | 4822 051 30689 | CHIP RES. 68Ω ±5% 1/16W | NN05680610 |
| R205 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | R305 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 |
| R206 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | R306 | | 4822 051 30333 | CHIP RES. 33kΩ ±5% 1/16W | NN05333610 |
| R207 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R307 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| R208 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R308 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 |
| R211 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | R351 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| R212 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | R352 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| R213 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | R353 | | 9965 000 11688 | CHIP RES. 240Ω ±0.5% | NN05241610 |
| R221 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | R354 | | 4822 051 30689 | CHIP RES. 68Ω ±5% 1/16W | NN05680610 |
| R222 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | R355 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 |
| R223 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | R356 | | 4822 051 30333 | CHIP RES. 33kΩ ±5% 1/16W | NN05333610 |
| R224 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | R357 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| R225 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | R358 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 |
| R226 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | RD01 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| R227 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 | RD22 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| R228 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 | RD23 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| R229 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 | RD24 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| R230 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 | RD25 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| R234 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | RD31 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| R235 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RD32 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| R236 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RD42 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| R237 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | RD43 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| R238 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | RD44 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| R239 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | RD45 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| R240 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | | | | | |
| R241 | /N | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | | | | PA01-SEMICONDUCTORS | |
| R242 | /N | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | ▲ D101 | | 9965 000 09759 | DIODE FCH10A15 | HE10003100 |
| R246 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | ▲ D102 | | 9965 000 09757 | DIODE FRH10A15 | HE10004100 |
| R247 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | D103 | | 9965 000 07629 | CHIP DIODE ZENER | HZ30025020 |
| R249 | /N | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | | | | MA8039-H 3.9V | |
| R250 | /N | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | D104 | | 9965 000 07640 | CHIP DIODE ZENER | HZ30009210 |
| R251 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | | | | UDZ TE-17 10B | |
| R252 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | D105 | | 9965 000 07640 | CHIP DIODE ZENER | HZ30009210 |
| R253 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | | | | UDZ TE-17 10B | |
| R254 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | ▲ D106 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R255 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | ▲ D151 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R256 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | ▲ D152 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R257 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | ▲ D153 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R258 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | ▲ D181 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R261 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | ▲ D182 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R262 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | ▲ D183 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R263 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | ▲ D184 | | 9965 000 04986 | CHIP DIODE U1BC44 1A 100V | HZ20032050 |
| R271 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | D185 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R272 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | D186 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R273 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | D187 | | 9965 000 07632 | CHIP DIODE ZENER | HZ30007020 |
| R274 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | | | | MA8056-L 5.6V | |
| R275 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | D221 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 |
| R276 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | D222 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R277 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 | D231 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R278 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 | D232 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R279 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 | D271 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 |
| R280 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 | D272 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R284 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | D281 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R285 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | D282 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R286 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | D301 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R287 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | D302 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 |
| R288 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | D303 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 |
| R289 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | D351 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| R290 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | D352 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 |
| R291 | /N | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | D353 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 |
| R292 | /N | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | DD31 | | 9965 000 03119 | CHIP DIODE MA8033H | HZ30012020 |
| R296 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | | | | | |
| R297 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | Q101 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 |
| R299 | /N | 4822 051 30222 | CHIP RES. 2.2kΩ ±5W 1/16W | NN05222610 | Q102 | | 4822 130 42836 | F.E.T. 2SK246 GR | HF202461C0 |
| | | | | | Q103 | | 4822 130 60669 | CHIP TRS. 2SC4116 2SC4081 | HX300012A0 |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|--|----------------|---------|-------------|--------------------|--|----------------|
| Q104 | | 4822 130 11605 | TRS. 2SD1415 | HT41415100 | QD21 | | 9965 000 06290 | IC AD1852 24BIT 192KHzDAC | HC10014840 |
| Q105 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 | QD33 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 |
| Q106 | | 4822 130 42836 | F.E.T. 2SK246 GR | HF202461C0 | QD34 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 |
| Q107 | | 4822 130 11604 | TRS. 2SB1020 | HT21020100 | QD41 | | 9965 000 06290 | IC AD1852 24BIT 192KHzDAC | HC10014840 |
| Q108 | | 4822 209 83825 | IC NJM79L05A | HC39105090 | | | | | |
| ▲ Q151 | | 9965 000 04991 | IC SI-3050C +5.0V 1.5A WITH SW | HC10006080 | ▲ F101 | | 4822 071 51252 | PA01-MISCELLANEOUS FUSE T1.25A 250V TR5 NO.19372 TP | FS20125200 |
| Q181 | | 4822 130 60669 | CHIP TRS. 2SC4116 2SC4081 | HX300012A0 | | | | | |
| Q182 | | 4822 130 60669 | CHIP TRS. 2SC4116 2SC4081 | HX300012A0 | ▲ F102 | | 4822 071 51252 | FUSE T1.25A 250V TR5 NO.19372 TP | FS20125200 |
| Q183 | | 4822 130 60669 | CHIP TRS. 2SC4116 2SC4081 | HX300012A0 | ▲ F151 | | 4822 071 55001 | FUSE T500MA 250V TR5 NO 19372 TP | FS20050200 |
| Q184 | | 4822 130 10698 | CHIP TRS. 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | ▲ F152 | | 4822 071 55001 | FUSE T500MA 250V TR5 NO 19372 TP | FS20050200 |
| Q185 | | 4822 130 63496 | DIG.TRS. RN1311 DTC114TU | BA21311000 | | | | | |
| Q201 | | 4822 209 91175 | IC NJM2114M | HC10175090 | F201 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q221 | | 5322 130 41844 | F.E.T. 2SK170 V | HF201701H0 | F203 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q222 | | 4822 130 62649 | F.E.T. 2SJ74 V | HF100741H0 | F204 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q223 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | F205 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q224 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | F207 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q225 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | F209 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q226 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | F211 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q227 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | F213 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q228 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | F215 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q229 | | 4822 130 43283 | TRS. 2SC2705 | HT327052A0 | F217 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q230 | | 4822 130 42999 | TRS. 2SA1145 | HT111452A0 | F219 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q231 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | F220 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q232 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | F222 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q233 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 | F223 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q234 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 | F224 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q241 | /N | 4822 209 91175 | IC OP AMP NJM2114M FLAT | HC10175090 | F241 | /N | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q242 | /N | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | F242 | /N | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q243 | /N | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | F243 | /N | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q244 | /N | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | | | | | |
| Q245 | /N | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | FD01 | | | EMI FILTER BLM11P600S | FN31010060 |
| Q251 | | 4822 209 91175 | IC NJM2114M | HC10175090 | FD21 | | | EMI FILTER BLM11P600S | FN31010060 |
| Q271 | | 5322 130 41844 | F.E.T. 2SK170 V | HF201701H0 | FD22 | | | EMI FILTER BLM11P600S | FN31010060 |
| Q272 | | 4822 130 62649 | F.E.T. 2SJ74 V | HF100741H0 | FD41 | | | EMI FILTER BLM11P600S | FN31010060 |
| Q273 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | FD42 | | | EMI FILTER BLM11P600S | FN31010060 |
| Q274 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | FD43 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q275 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | | | | | |
| Q276 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | J201 | | 9965 000 11699 | TERMINAL 2P CINCH PIN JACK L/FL | YT02021660 |
| Q277 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | J202 | | 9965 000 11700 | TERMINAL 2P CINCH PIN JACK R/FR | YT02021670 |
| Q278 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | | | | | |
| Q279 | | 4822 130 43283 | TRS. 2SC2705 | HT327052A0 | L101 | | 9965 000 00458 | CHOKE COIL 8.2μH EL0405 | LC18223900 |
| Q280 | | 4822 130 42999 | TRS. 2SA1145 | HT111452A0 | L102 | | 9965 000 00458 | CHOKE COIL 8.2μH EL0405 | LC18223900 |
| Q281 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | L103 | | | FERRITE CORE TFC-23-11-14 | FC50150030 |
| Q282 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 | | | | | |
| Q283 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 | | | | | |
| Q284 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 | | | | | |
| Q301 | | 4822 130 42839 | F.E.T. 2SK369 BL VDGS-40V PDO.4W | HF203691B0 | | | | PA02-AUDIO SURROUND CIRCUIT BOARD PA02-CAPACITORS | |
| Q302 | | 4822 130 42839 | F.E.T. 2SK369 BL VDGS-40V PDO.4W | HF203691B0 | C403 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 |
| Q303 | | 4822 130 61425 | CHIP TRS. 2SC2873 Y | HX328731B0 | C404 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 |
| Q304 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | C405 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |
| Q305 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | C406 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |
| Q306 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | C407 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |
| Q351 | | 4822 130 42839 | F.E.T. 2SK369 BL VDGS-40V PDO.4W | HF203691B0 | C408 | | 4822 121 10792 | FILM 220pF 100V PP APSV J | OF15221540 |
| Q352 | | 4822 130 42839 | F.E.T. 2SK369 BL VDGS-40V PDO.4W | HF203691B0 | C409 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 |
| Q353 | | 4822 130 61425 | CHIP TRS. 2SC2873 Y | HX328731B0 | C421 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 |
| Q354 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | C422 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 |
| Q355 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | C423 | | 9965 000 01564 | FILM 680pF ±5% 100V OFC | OF55681540 |
| Q356 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | C431 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 |
| QD01 | | 9965 000 11670 | IC TC74VHCT541AFT | HC008805K0 | C432 | | 4822 111 41305 | RES. 0Ω ±5% 1/4W | GD05000140 |
| QD02 | | 9965 000 11675 | IC PD0236AM DB-VCP231 | HC10017660 | C434 | | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 |
| QD03 | | 9965 000 04633 | IC TC74VHC157FT | HC005805K0 | C453 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 |
| | | | | | C454 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 |
| | | | | | C455 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |
| | | | | | C456 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |
| | | | | | C457 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MUJ) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MUJ) |
|---------|-------------|--------------------|-----------------------------|----------------|---------|-------------|--------------------|---------------------------|----------------|
| C458 | | 4822 121 10792 | FILM 220pF 100V PP APSV J | OF15221540 | R422 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 |
| C459 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 | R423 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C471 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R424 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C472 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R425 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C473 | | 9965 000 01564 | FILM 680pF ±5% 100V OFC | OF55681540 | R426 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C481 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R427 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| C482 | | 4822 111 41305 | RES. 0Ω ±5% 1/4W | GD05000140 | R428 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C484 | | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 | R429 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 |
| C503 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 | R430 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 |
| C504 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 | R434 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| C505 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | R435 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| C506 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | R436 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| C507 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | R437 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| C508 | | 4822 121 10792 | FILM 220pF 100V PP APSV J | OF15221540 | R438 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 |
| C509 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 | R439 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| C521 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R440 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| C522 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R451 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| C523 | | 9965 000 01564 | FILM 680pF ±5% 100V OFC | OF55681540 | R452 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| C531 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R453 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 |
| C532 | | 4822 111 41305 | RES. 0Ω ±5% 1/4W | GD05000140 | R454 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 |
| C534 | | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 | R455 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 |
| C553 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 | R456 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 |
| C554 | | 4822 121 70437 | FILM APSV 1000pF J | OF15102540 | R457 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| C555 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | R458 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| C556 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | R459 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| C557 | | 9965 000 06697 | FILM 560pF100V PP APSV J | OF15561540 | R460 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C558 | | 4822 121 10792 | FILM 220pF 100V PP APSV J | OF15221540 | R463 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C559 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 | R471 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 |
| C571 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R472 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 |
| C572 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R473 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C573 | | 9965 000 01564 | FILM 680pF ±5% 100V OFC | OF55681540 | R474 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C581 | | 4822 124 80123 | ELECT. 220μF M 16V CILMIC | OA22701640 | R475 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C582 | | 4822 111 41305 | RES. 0Ω ±5% 1/4W | GD05000140 | R476 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| C584 | | 9965 000 01560 | FILM 270pF ±5% 100V OFC | OF55271540 | R477 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| CD61 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R478 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| CD62 | | 9965 000 04984 | ELECT. 1000μF 10V M RA-2 | OA10801020 | R479 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 |
| CD63 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R480 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 |
| CD64 | | 4822 124 80119 | ELECT. 100μF 25V ARS | OA10702540 | R484 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| CD65 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R485 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CD66 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 | R486 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CD67 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R487 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| CD68 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 | R488 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 |
| CD69 | | 5322 126 11578 | CER.CHIP 1000pF ±10% B 50V | DK96102300 | R489 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| CD70 | | 4822 122 33777 | CER.CHIP 47pF ±5% CG 50V | DD95470300 | R490 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| CD81 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R501 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| CD82 | | 9965 000 04984 | ELECT. 1000μF 10V M RA-2 | OA10801020 | R502 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| CD83 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R503 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 |
| CD84 | | 4822 124 80119 | ELECT. 100μF 25V ARS | OA10702540 | R504 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 |
| CD85 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R505 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 |
| CD86 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 | R506 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 |
| CD87 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R507 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| CD88 | | 9965 000 01567 | ELECT. 100μF 10V ARA | OA10701050 | R508 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| CD89 | | 5322 126 11578 | CER.CHIP 1000pF ±10% B 50V | DK96102300 | R509 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CD90 | | 4822 122 33777 | CER.CHIP 47pF ±5% CG 50V | DD95470300 | R510 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| | | | PA02-RESISTORS | | R513 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| R401 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R521 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 |
| R402 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R522 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 |
| R403 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | R523 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| R404 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | R524 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| R405 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | R525 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| R406 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | R526 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |
| R407 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R527 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| R408 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | R528 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| R409 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | R529 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 |
| R410 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | R530 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 |
| R413 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | R534 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| R421 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | R535 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| | | | | | R536 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| | | | | | R537 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|----------------------------|----------------|---------|-------------|--------------------|---------------------------|----------------|
| R538 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | Q425 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| R539 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | Q426 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| R540 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | Q427 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| R551 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | Q428 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| R552 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | Q429 | | 4822 130 43283 | TRS. 2SC2705 | HT327052A0 |
| R553 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | Q430 | | 4822 130 42999 | TRS. 2SA1145 | HT111452A0 |
| R554 | | 9965 000 11689 | CHIP RES. 2.4kΩ ±5% 1/16W | NN05242610 | Q431 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| R555 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | Q432 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| R556 | | 4822 117 11817 | CHIP RES. 1.2kΩ ±5% 1/16W | NN05122610 | Q451 | | 4822 209 91175 | IC NJM2114M | HC10175090 |
| R557 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | Q465 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 |
| R558 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | Q466 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 |
| R559 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | Q471 | | 5322 130 41844 | F.E.T. 2SK170 V | HF201701H0 |
| R560 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | Q472 | | 4822 130 62649 | F.E.T. 2SJ74 V | HF100741H0 |
| R563 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | Q473 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| R571 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | Q474 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| R572 | | 4822 052 10101 | RES. 100Ω ±5% 1/6W | GG05101160 | Q475 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| R573 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | Q476 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| R574 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | Q477 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| R575 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | Q478 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| R576 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | Q479 | | 4822 130 43283 | TRS. 2SC2705 | HT327052A0 |
| R577 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 | Q480 | | 4822 130 42999 | TRS. 2SA1145 | HT111452A0 |
| R578 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 | Q481 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| R579 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 | Q482 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| R580 | | 9965 000 05003 | RES. 33Ω ±5% 1/6W | GG05330160 | | | | | |
| R584 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | Q501 | | 4822 209 91175 | IC NJM2114M | HC10175090 |
| R585 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | Q515 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 |
| R586 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | Q516 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 |
| R587 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | Q521 | | 5322 130 41844 | F.E.T. 2SK170 V | HF201701H0 |
| R588 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | Q522 | | 4822 130 62649 | F.E.T. 2SJ74 V | HF100741H0 |
| R589 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | Q523 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| R590 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | Q524 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| | | | | | Q525 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| RD61 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q526 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| RD63 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | Q527 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| RD64 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | Q528 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| RD65 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q529 | | 4822 130 43283 | TRS. 2SC2705 | HT327052A0 |
| RD66 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q530 | | 4822 130 42999 | TRS. 2SA1145 | HT111452A0 |
| RD71 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | Q531 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| RD81 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q532 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| RD83 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | Q551 | | 4822 209 91175 | IC NJM2114M | HC10175090 |
| RD84 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | Q565 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 |
| RD85 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q566 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 |
| RD86 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q571 | | 5322 130 41844 | F.E.T. 2SK170 V | HF201701H0 |
| | | | PA02-SEMICONDUCTORS | | Q572 | | 4822 130 62649 | F.E.T. 2SJ74 V | HF100741H0 |
| D411 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q573 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| D412 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q574 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| D421 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 | Q575 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| D422 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q576 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| D461 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q577 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 |
| D462 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q578 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 |
| D471 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 | Q579 | | 4822 130 43283 | TRS. 2SC2705 | HT327052A0 |
| D472 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q580 | | 4822 130 42999 | TRS. 2SA1145 | HT111452A0 |
| D511 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q581 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| D512 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | Q582 | | 4822 130 63601 | CHIP TRS. 2SC4213 | HX342132A0 |
| D521 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 | | | | | |
| D522 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | QD61 | | 9322 157 96668 | IC AD1854 24BIT 96kHz DAC | HC10077840 |
| D561 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | QD73 | | 4822 130 61906 | DIG. TRS. DTC114EU | BA20035210 |
| D562 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | QD74 | | 4822 130 61906 | DIG. TRS. DTC114EU | BA20035210 |
| D571 | | 4822 130 81324 | CHIP DIODE 1SS302 | HZ20018050 | QD75 | | 4822 130 61906 | DIG. TRS. DTC114EU | BA20035210 |
| D572 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | QD76 | | 4822 130 61906 | DIG. TRS. DTC114EU | BA20035210 |
| DD71 | | 9965 000 03119 | CHIP DIODE MA8033H | HZ30012020 | QD81 | | 9322 157 96668 | IC AD1854 24BIT 96kHz DAC | HC10077840 |
| | | | | | | | | PA02-MISCELLANEOUS | |
| Q401 | | 4822 209 91175 | IC NJM2114M | HC10175090 | F401 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q415 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 | F402 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q416 | | 4822 130 61903 | DIG. TRS. DTA114EU | BA10026210 | F403 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q421 | | 5322 130 41844 | F.E.T. 2SK170 V | HF201701H0 | F404 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q422 | | 4822 130 62649 | F.E.T. 2SJ74 V | HF100741H0 | F408 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q423 | | 4822 130 63928 | CHIP TRS. 2SA1312 B | HX113121B0 | F409 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| Q424 | | 4822 130 63929 | CHIP TRS. 2SC3324 B | HX333241B0 | F412 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|---|----------------|---------|-------------|--------------------|----------------------------|----------------|
| F413 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | R606 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 |
| F414 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | R607 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| F415 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | R608 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F418 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | R609 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| FD61 | | | EMI FILTER BLM11P600S | FN31010060 | R610 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 |
| FD62 | | | EMI FILTER BLM11P600S | FN31010060 | R611 | | | RES. COMPO. 0Ω X 4 J CN1J | BW05000320 |
| FD63 | | | EMI FILTER BLM11P600S | FN31010060 | R612 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 |
| FD64 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | R613 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| FD81 | | | EMI FILTER BLM11P600S | FN31010060 | R614 | | | RES. COMPO. 0Ω X 4 J CN1J | BW05000320 |
| FD82 | | | EMI FILTER BLM11P600S | FN31010060 | R615 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 |
| FD83 | | | EMI FILTER BLM11P600S | FN31010060 | R616 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| FD84 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | R617 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | R618 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| J401 | | 9965 000 11701 | TERMINAL 2P CINCH PIN JACK SL/SR T7046 | YT02021680 | R619 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| J402 | | 9965 000 11702 | TERMINAL 2P CINCH PIN JACK C/SW T7046 | YT02021690 | R620 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| | | | | | R621 | | | RES. COMPO. 47Ω X 4 J CN1J | BW05470320 |
| | | | PD01-DVD AUDIO CIRCUIT BOARD | | R626 | | | | |
| | | | PD01-CAPACITORS | | R627 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C601 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R628 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C602 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R629 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C603 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | | | | | |
| C604 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R631 | | | RES. COMPO. 47Ω X 4 J CN1J | BW05470320 |
| C605 | | 4822 124 11131 | TANTL. CHIP 47μF 6.3V | EY47600620 | R632 | | | RES. COMPO. 47Ω X 4 J CN1J | BW05470320 |
| C606 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R633 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 |
| C607 | | 4822 126 14528 | CER.CHIP GRM39 B 562K 50V | DK96562300 | R634 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C608 | | | | | R635 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R636 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C620 | | | | | R637 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C621 | | 4822 124 10772 | TANTL. CHIP 100μF 6.3V | EY10700620 | R639 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C624 | | 4822 124 11436 | TANTL. CHIP 220μF 6.3V | EY22700690 | R640 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C625 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R641 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C626 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R642 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C627 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R643 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C628 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R644 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C629 | | 4822 124 11131 | TANTL. CHIP 47μF 6.3V | EY47600620 | R645 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | R646 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | R647 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 |
| C630 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R648 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C631 | | 4822 126 14528 | CER.CHIP GRM39 B 562K 50V | DK96562300 | R649 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C632 | | | | | | | | | |
| | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R650 | | | RES. COMPO.10kΩ X4 J CN1J | BW05000320 |
| C643 | | | | | R651 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| C644 | | 4822 124 10772 | TANTL. CHIP 100μF 6.3V | EY10700620 | R652 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C646 | | 4822 124 11436 | TANTL. CHIP 220μF 6.3V | EY22700690 | R653 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C651 | | | | | R654 | | 4822 051 30105 | CHIP RES. 1MΩ ±5% 1/16W | NN05105610 |
| | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R655 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C662 | | | | | R656 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C663 | | 4822 124 11131 | TANTL. CHIP 47μF 6.3V | EY47600620 | R659 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C664 | | 4822 126 13689 | CER.CHIP GRM39 CG J 50V | DD95180300 | R660 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C665 | | 4822 122 33752 | CER.CHIP GRM39 CG J 50V | DD95150300 | R661 | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C666 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R662 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C667 | | 4822 126 11669 | CER.CHIP GRM39 CG J 50V | DD95270300 | R663 | | | | |
| C668 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | | | 4822 051 30479 | CHIP RES. 47Ω ±5% 1/16W | NN05470610 |
| C669 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R669 | | | | |
| C670 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R670 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C671 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R671 | | 4822 117 13525 | CHIP RES. 24kΩ ±5% 1/16W | NN05243610 |
| C672 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R672 | | 9965 000 06300 | CHIP RES. 5.1kΩ ±5% 1/16W | NN0551261R |
| C673 | | 4822 126 11687 | CER.CHIP 104Z 25V F GRM39 | DK98104200 | R673 | | 9965 000 06300 | CHIP RES. 5.1kΩ ±5% 1/16W | NN0551261R |
| C674 | | 4822 126 11703 | CER.CHIP GRM39 F 103Z 50V | DK98103300 | R674 | | 4822 051 30151 | CHIP RES. 150Ω ±5% 1/16W | NN05151610 |
| C676 | | 4822 124 10772 | TANTL. CHIP 100μF 6.3V | EY10700620 | R675 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C677 | | 4822 124 11436 | TANTL. CHIP 220μF 6.3V | EY22700690 | R677 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| | | | | | R678 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| | | | | | R679 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| | | | PD01-RESISTORS | | | | | PD01-SEMICONDUCTORS | |
| R601 | | | RES. COMPO. 47Ω X 4 J CN1J | BW05470320 | Q601 | | 9965 000 11678 | IC XCD56362PV100-P | HC10113170 |
| R602 | | | RES. COMPO.10kΩ X4 J CN1J | BW05103320 | Q602 | | 9965 000 11678 | IC XCD56362PV100-P | HC10113170 |
| R603 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | Q604 | | 9965 000 11679 | IC K6R1008V1C-JC12 | HC10144990 |
| R604 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | | | | | |
| R605 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | | | | SRAM 1M 128X8 | |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|----------------------------------|----------------|---------|-------------|--------------------|--------------------------------------|----------------|
| Q605 | | 9965 000 11680 | IC K6R1016V1C-TC12 SRAM 1M 64X16 | HC10145990 | X601 | | 9965 000 11685 | CRYSTAL 20MHz SMD-49 | JX20001350 |
| Q606 | | 9965 000 11679 | IC K6R1008V1C-JC12 SRAM 1M 128X8 | HC10144990 | | | | PF01-FRONT MAIN CIRCUIT BOARD | |
| Q607 | | 9965 000 11680 | IC K6R1016V1C-TC12 SRAM 1M 64X16 | HC10145990 | | | | PF01-CAPACITORS | |
| Q608 | | 4822 209 90685 | IC TC7SH04FU | HC007705K0 | CF01 | | 9965 000 01912 | CER.CHIP 0.047μF | DK98473300 |
| Q609 | | 9965 000 11669 | IC TC74VHC595FT | HC008705K0 | CF02 | | 9965 000 01912 | CER.CHIP 0.047μF | DK98473300 |
| Q611 | | 9965 000 04633 | IC TC74VHC157FT | HC005805K0 | CF03 | | 9965 000 01912 | CER.CHIP 0.047μF | DK98473300 |
| Q612 | | 4822 209 32442 | IC TC7WU04F | HC000305K0 | CF04 | | 9965 000 01912 | CER.CHIP 0.047μF | DK98473300 |
| Q613 | | 4822 209 90685 | IC TC7SH04FU | HC007705K0 | CF05 | | 4822 124 23056 | ELECT. 47μF/ 10V | EJ47601010 |
| Q622 | | 9965 000 06674 | IC TC7WH74FU | HC007905K0 | CF06 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| Q623 | | 9965 000 11673 | IC TC7WH157FU | HC009105K0 | CF07 | | 4822 124 23056 | ELECT. 47μF/ 10V | EJ47601010 |
| Q624 | | 9965 000 04633 | IC TC74VHC157FT | HC005805K0 | CF09 | | | | |
| Q625 | | 9965 000 04633 | IC TC74VHC157FT | HC005805K0 | } | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V GR39 | DD95101300 |
| Q626 | | 9965 000 11672 | IC TC7WH125FU | HC009005K0 | CF16 | | | | |
| Q627 | | 9965 000 10300 | IC LC89051V | HC10412030 | CF17 | | 9965 000 01912 | CER.CHIP 0.047μF | DK98473300 |
| Q628 | | 9965 000 11671 | IC TC7SZ08FU | HC008905K0 | CF18 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| | | | | | CF19 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| | | | | | CF20 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| | | | | | CF21 | | 4822 126 10935 | ELECT. 100μF/6.3V | EJ10700610 |
| F601 | | | PD01-MISCELLANEOUS | | CF22 | | 4822 124 21894 | ELECT. 10μF/ 16V | EJ10601610 |
| F602 | | | EMI FILTER 1500pF NFM60R | FM32152010 | CF23 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| F603 | | | EMI FILTER BLM11P600S | FN31010060 | CF26 | | 9965 000 01912 | CER.CHIP 0.047μF | DK98473300 |
| F611 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | CF27 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| F612 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF28 | | 4822 126 11669 | CER.CHIP 27pF GR39 | DD95270300 |
| F614 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF29 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| F616 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF30 | | | | |
| F618 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | } | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V | DD95101300 |
| F620 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF40 | | | | |
| F622 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF41 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| F624 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF42 | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V | DD95101300 |
| F626 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | CF43 | | 4822 051 30273 | CHIP RES. 27kΩ ±5% 1/16W | NN05273610 |
| F628 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF44 | | 4822 051 30273 | CHIP RES. 27kΩ ±5% 1/16W | NN05273610 |
| F630 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CF45 | | 4822 051 30273 | CHIP RES. 27kΩ ±5% 1/16W | NN05273610 |
| F632 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | | | | | |
| F634 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | | | | | |
| F636 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF01 | | 9965 000 03842 | CHIP RES. 18Ω ±5% 1/16W | NN05180610 |
| F638 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF02 | | 9965 000 03842 | CHIP RES. 18Ω ±5% 1/16W | NN05180610 |
| F640 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF03 | | 9965 000 03842 | CHIP RES. 18Ω ±5% 1/16W | NN05180610 |
| F642 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF04 | | 4822 117 12925 | CHIP RES. 47kΩ ±5% 1/16W | NN05473610 |
| F644 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF05 | | 4822 117 12925 | CHIP RES. 47kΩ ±5% 1/16W | NN05473610 |
| F646 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF06 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F648 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF07 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F650 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF08 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F652 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF09 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F654 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF10 | | | | |
| F656 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | } | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F658 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF17 | | | | |
| F660 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF18 | | 4822 117 12925 | CHIP RES. 47kΩ ±5% 1/16W | NN05473610 |
| F662 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF19 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| F664 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | RF20 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| F668 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | RF21 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| F670 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF22 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F672 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF23 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F674 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF24 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F676 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF26 | | 4822 117 12925 | CHIP RES. 47kΩ ±5% 1/16W | NN05473610 |
| F678 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF27 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F680 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF28 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| F682 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | RF29 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| F684 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF30 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F686 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF31 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F688 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RF32 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F689 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | RF33 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| F690 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 | RF35 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| J601 | | | JACK 50P 0.5 MM PITCH | YJ07059950 | RF37 | | 4822 051 30682 | CHIP RES. 6.8kΩ ±5% 1/16W | NN05682610 |
| | | | 9841B-50A-GF | | RF38 | | 4822 051 30682 | CHIP RES. 6.8kΩ ±5% 1/16W | NN05682610 |
| J602 | | | JACK 30P 0.5 MM PITCH | YJ07059940 | RF43 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| | | | 9841B-30A-GF | | RF45 | | 4822 051 30682 | CHIP RES. 6.8kΩ ±5% 1/16W | NN05682610 |
| L601 | | 4822 157 53871 | CHIP INDUCTANCE 1.0 μH J | LU12102010 | RF46 | | 4822 051 30682 | CHIP RES. 6.8kΩ ±5% 1/16W | NN05682610 |
| L602 | | 4822 157 53871 | CHIP INDUCTANCE 1.0 μH J | LU12102010 | RF48 | | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 |

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|--|--------------------|--|----------------|---------|-------------|--------------------|---|----------------|
| RF50 | /C/L/U /A/F/N/S /A/C/L/S /F/N/U /N/S /A/C/F/L /U | 4822 116 83829 | CHIP RES. 270Ω ±5% 1/16W | NN05271610 | QF23 | | 4822 130 10698 | CHIP TRS. 2SA1586 Y GR 2SA1576A Q R | HX100012A0 |
| RF52 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | | | | PF01-MISCELLANEOUS | |
| RF53 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | | | | | |
| RF55 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | SF01 | | | | |
| RF56 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | } | | 4822 276 13408 | PUSH SWITCH | SP01012030 |
| RF57 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | SF06 | | | SKHVBF 260GF RED | |
| RF58 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | VF01 | | 9965 000 11682 | DISPLAY UNIT 11-BT-185GN | HQ31112410 |
| RF59 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | | | | | |
| RF60 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | XF01 | | 2422 540 98518 | SERAMIC VIB. | FQ08004060 |
| RF61 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | ZF01 | | 4822 130 11494 | CSTS MG 8MHz 15PF PHOTO UNIT RPM6936-V4 IR SENSOR | HW10004210 |
| RF63 | | 4822 051 30153 | CHIP RES. 15kΩ ±5% 1/16W | NN05153610 | | | | PF02-FRONT SW CIRCUIT BOARD | |
| RF64 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | | | | | |
| RF65 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 | | | | | |
| RF66 | | | | | | | | | |
| RF67 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 | SF07 | | 4822 276 13408 | PUSH SWITCH RED | SP01012030 |
| RF71 | | | | | SF08 | | 4822 276 13408 | PUSH SWITCH RED | SP01012030 |
| RF73 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | SF09 | | 4822 276 13408 | PUSH SWITCH RED | SP01012030 |
| RF74 | | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | | | | PI01-DIGITAL I/O CIRCUIT BOARD | |
| RF76 | | 4822 051 30333 | CHIP RES. 33kΩ ±5% 1/16W | NN05333610 | | | | PI01-CAPACITORS | |
| RF77 | | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | | | | | |
| RF79 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | CI10 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| RF80 | | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | CI11 | | 4822 124 90353 | ELECT. 100μF M 10V RA-2 | OA10701020 |
| RF81 | | 4822 051 30333 | CHIP RES. 33kΩ ±5% 1/16W | NN05333610 | CI12 | | 4822 126 13883 | CER.CHIP 220pF ±5% CG 50V | DD95221300 |
| RF82 | | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | CI13 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| RF83 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | CI15 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| RF84 | | 4822 117 12891 | CHIP RES. 220kΩ ±5% 1/16W | NN05224610 | CI16 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 |
| RF85 | | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | CI17 | | 4822 122 33777 | CER.CHIP 47pF ±5% CG 50V | DD95470300 |
| RF86 | | 4822 051 30333 | CHIP RES. 33kΩ ±5% 1/16W | NN05333610 | CI18 | | 4822 126 11685 | CER.CHIP 4700pF ±10% B 50V | DK96472300 |
| RF87 | | 4822 117 13632 | CHIP RES. 100kΩ ±5% 1/16W | NN05104610 | CI19 | | 4822 126 11704 | CER.CHIP 0.022μF | DK98223300 |
| | | | PF01-SEMICONDUCTORS | | CI20 | | 4822 124 41539 | ELECT. 47μF M 16V RA-2 | OA47601620 |
| DF01 | | 9965 000 07640 | CHIP DIODE UDZ-10B | HZ30009210 | CI21 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| DF02 | | 9965 000 07629 | CHIP DIODE MA8039-H | HZ30025020 | CI22 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| DF03 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 | | | | PI01-RESISTORS | |
| DF04 | | 4822 130 11569 | L.E.D. HLMF-K200 #2UL RED | HI10005340 | RI01 | | | | |
| DF05 | | 4822 130 11569 | L.E.D. HLMF-K200 #2UL RED | HI10005340 | } | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| DF06 | | 4822 130 80522 | CHIP DIODE 1SS300 | HZ21006000 | RI08 | | | | |
| DF07 | | 4822 130 80522 | CHIP DIODE 1SS300 DAP202U | HZ21006000 | RI09 | | 4822 157 10416 | EMI FILTER BLM11B102S | FN31010030 |
| DF08 | | 4822 130 80522 | CHIP DIODE 1SS300 DAP202U | HZ21006000 | RI10 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| DF09 | | 4822 130 80522 | CHIP DIODE 1SS300 DAP202U | HZ21006000 | RI11 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| QF01 | | 9965 000 11635 | IC TMP87PS71F 60K BYTE OTP | *HS411KT0R | RI13 | | 4822 051 30759 | CHIP RES. 75Ω ±5% 1/16W | NN05750610 |
| QF02 | | 9965 000 08235 | IC AT24C04N-10SI-2.5 | HC10033990 | RI14 | | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| QF03 | | 4822 209 15724 | IC LC75710NE VFD DRIVER | HC10411030 | RI21 | | 4822 117 12139 | CHIP RES. 22Ω ±5% 1/16W | NN05220610 |
| QF04 | | 9965 000 11677 | IC PST600D-2 RESET IC | HC10098550 | | | | PI01-SEMICONDUCTOR | |
| QF05 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 | QI01 | | 4822 209 91012 | IC TC74HCT04AF | HC700405Q0 |
| QF06 | | 4822 130 60669 | CHIP TRS. 2SC4081 Q R 2SC4116 Y GR | HX300012A0 | | | | PI01-MISCELLANEOUS | |
| QF07 | | 4822 130 10698 | CHIP TRS. 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | JI01 | | 9965 000 03413 | TERMINAL 14X14 RA 1L2P ORG NI F-GROUND | YT02021640 |
| QF08 | | 4822 130 10698 | CHIP TRS. 2SA1586 Y GR 2SA1576A Q R | HX300012A0 | JI03 | | 4822 265 11582 | TERMINAL 1P CINCH PIN JACK | YT02011000 |
| QF09 | | 4822 130 60669 | CHIP TRS. 2SC4081 Q R 2SC4116 Y GR | HC39124090 | LI01 | | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QF10 | | 9965 000 04975 | IC NJM79L24A:0.1A-24V | BA10026210 | LI02 | | 4822 142 60422 | PULSE TRANSF. | TP41042030 |
| QF11 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA21311000 | SI01 | | 4822 277 11745 | TPS247MN-0386AN SLIDE SWITCH SSSF12-S06N0 HORIZONTAL N-SHOT | SS01021010 |
| QF12 | | 4822 130 63496 | DIG.TRS. RN1311 DTC114TU | BA21311000 | | | | PR01-REMOTE CIRCUIT BOARD | |
| QF17 | | | | | | | | PR01-CAPACITORS | |
| QF18 | | 4822 130 60669 | CHIP TRS. 2SC4081 Q R 2SC4116 Y GR | HX300012A0 | CR01 | nsp | | CER.CHIP 150pF ±5% CG 50V | nsp |
| QF19 | | 4822 130 10698 | CHIP TRS. 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | CR02 | nsp | | CER.CHIP 150pF ±5% CG 50V | nsp |
| QF20 | | 4822 130 60669 | CHIP TRS. 2SC4081 Q R 2SC4116 Y GR | HX300012A0 | CR03 | nsp | | CER.CHIP 0.1μF Z | nsp |
| QF21 | | 4822 130 10698 | CHIP TRS. 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | CR04 | nsp | | TANTL. CHIP 47μF/ 4V | nsp |
| QF22 | | 4822 130 60669 | CHIP TRS. 2SC4081 Q R 2SC4116 Y GR | HX300012A0 | RR01 | | nsp | PR01-RESISTORS CHIP RES. 3.3Ω ±5% 1/16W | nsp |

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| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|---------------------------|----------------|---------|-------------|----------------------------|---------------------------|----------------|
| RR02 | | nsp | CHIP RES. 3.3Ω ±5% 1/16W | nsp | RP09 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| RR03 | | nsp | CHIP RES. 120Ω ±5% 1/16W | nsp | RP10 | | 4822 051 30151 | CHIP RES. 150Ω ±5% 1/16W | NN05151610 |
| | | | PR01-MISCELLANEOUS | | RP11 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| DR01 | | nsp | L.E.D. SLR-932A | nsp | RP12 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| QR01 | | nsp | MICROPROCESSOR RC-12DV | nsp | RP13 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| | | | UPD6134MC-112-5A4 | | RP15 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| QR02 | | nsp | CHIP TRS. 2SD 2SD2114 V | nsp | RP16 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | PR01-MISCELLANEOUS | | RP17 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| JI04 | | nsp | OPT. OUTPUT CONNECTOR | nsp | RP18 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 |
| | | | GP1FA550TZ | | RP19 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| SR30 | | nsp | SWITCH EVQ WHB 50K | nsp | RP20 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| XR01 | | nsp | SERAMIC VIB. 432kHz | nsp | RP21 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| | | | CSB432EB | | RP22 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | PS01-POWER SUPPLY | | RP23 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | CIRCUIT BOARD | | RP24 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| | | | PS01-CAPACITORS | | RP25 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| ▲ CP01 | | 9965 000 04979 | FILM 0.1 μF/250V | DF17104630 | RP26 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| ▲ CP02 | | 9965 000 04979 | FILM 0.1 μF/250V | DF17104630 | RP27 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| ▲ CP03 | /A/C/N/S | 9965 000 07801 | CER. 220pF 250V DE0910 B | DK17221520 | RP28 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| ▲ CP03 | /F/L/U | 9965 000 04980 | CER. 470pF 250V DE0910 B | DK17471520 | RP29 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| ▲ CP04 | /A/C/N/S | 9965 000 07801 | CER. 220pF 250V DE0910 B | DK17221520 | RP31 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| ▲ CP04 | /F/L/U | 9965 000 04980 | CER. 470pF 250V DE0910 B | DK17471520 | RP32 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| ▲ CP05 | /A/C/N/S | 9965 000 04981 | ELECT. 20μF/400V RE3-400V | EA12740070 | RP33 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| ▲ CP05 | /F/L/U | | ELECT. 220μF 200V RJ4 | EA227200P0 | RP34 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| ▲ CP06 | | 4822 126 13091 | FILM 0.047μF 25V | DF16473640 | RP36 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 |
| CP07 | | 9965 000 04982 | CER. 150pF | DK16151910 | RP38 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| | | | DE0405-1B151K2K 2KV SHORT | | RP39 | /A | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| CP08 | | 9965 000 04982 | CER. 150pF | DK16151910 | RP40 | /C | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| | | | DE0405-1B151K2K 2KV SHORT | | RP41 | /F | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| CP09 | | 4822 126 11568 | CER.CHIP 470pF GR39 | DK96471300 | RP42 | /L | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| ▲ CP10 | /A/C/F/L | 9965 000 07801 | CER. 220pF 250V DE0910 B | DK17221520 | RP43 | /N | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| | /N/S | | | | RP44 | /S | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| ▲ CP10 | /U | 9965 000 04983 | CER. 4700pF 250V DE1610 E | DK17472520 | RP45 | /U | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 |
| CP11 | | 4822 124 22276 | ELECT. 47μF M 50V RA-2 | OA47605020 | RP46 | | 4822 053 11338 | METAL RES. 3.3kΩ ±5% 2W | NK05033020 |
| CP12 | | | FILM 0.1μF J N 50V | DF15104350 | | | PS01-SEMICONDUCTORS | | |
| CP13 | | 4822 124 22276 | ELECT. 47μF M 50V RA-2 | OA47605020 | ▲ DP01 | | 4822 130 81248 | DIODE S1WB A 60 30A 600V | HD20031290 |
| CP14 | | 9965 000 01318 | ELECT. 220μF M 10V RA-2 | OA22701020 | DP02 | | 4822 130 81244 | DIODE ERA22-1S | HD20008130 |
| CP15 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | DP03 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| CP16 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | DP04 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| CP17 | | 9965 000 04984 | ELECT. 1000μF 10V M RA-2 | OA10801020 | DP05 | | 4822 130 82019 | CHIP DIODE SFPL-52 0.9A | HZ20002080 |
| CP18 | | 9965 000 04984 | ELECT. 1000μF 10V M RA-2 | OA10801020 | DP06 | | 4822 130 82019 | CHIP DIODE SFPL-52 0.9A | HZ20002080 |
| CP19 | | 4822 124 22722 | ELECT. 1000μF M 16V RA-2 | OA10801620 | DP07 | | 9965 000 07632 | CHIP DIODE ZENER | HZ30007020 |
| CP20 | | 9965 000 01318 | ELECT. 220μF M 10V RA-2 | OA22701020 | | | MA8056L 5.6V | | |
| CP21 | | 9965 000 01318 | ELECT. 220μF M 10V RA-2 | OA22701020 | DP08 | | 4822 130 83404 | CHIP DIODE MA8130-M 13.0V | HZ31301000 |
| CP22 | | 4822 124 12404 | ELECT. 220μF M 16V RA-2 | OA22701620 | DP09 | | 4822 130 11074 | DIODE RK46 SBD 60V 3.5A | HD20050080 |
| CP23 | | 4822 124 22722 | ELECT. 1000μF M 16V RA-2 | OA10801620 | DP10 | | 4822 130 11074 | DIODE RK46 SBD 60V 3.5A | HD20050080 |
| CP24 | | 4822 124 22722 | ELECT. 1000μF M 16V RA-2 | OA10801620 | DP14 | | 9965 000 07634 | DIODE EK19 90V 1.5A | HD20053080 |
| CP25 | | 4822 124 12404 | ELECT. 220μF M 16V RA-2 | OA22701620 | DP15 | | 4822 130 82019 | CHIP DIODE SFPL-52 0.9A | HZ20002080 |
| CP26 | | 4822 124 22722 | ELECT. 1000μF M 16V RA-2 | OA10801620 | DP16 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| CP27 | | 9965 000 01318 | ELECT. 220μF M 10V RA-2 | OA22701020 | DP17 | | 4822 130 83715 | CHIP DIODE 1SS301 DAN202U | HZ21005000 |
| CP28 | | 9965 000 01318 | ELECT. 220μF M 10V RA-2 | OA22701020 | DP18 | | 4822 130 11074 | DIODE RK46 SBD 60V 3.5A | HD20050080 |
| CP29 | | 9965 000 01318 | ELECT. 220μF M 10V RA-2 | OA22701020 | DP19 | | 9965 000 11684 | CHIP DIODE RB060L-40 TE25 | HZ20060210 |
| CP30 | | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 | | | SBD 40V 2A PMDS | | |
| CP31 | | 4822 126 11568 | CER.CHIP 470pF GR39 | DK96471300 | ▲ QP01 | | 9965 000 11674 | IC STR-G6651 SW. REG. | HC10007080 |
| CP34 | | | FILM 0.1μF J N 50V | DF15104350 | ▲ QP02 | | 4822 130 10431 | PHOTO UNIT PC123F2 | HW10032320 |
| | | | PS01-RESISTORS | | | | PHOTO COUPLER | | |
| ▲ RP01 | /A/C/N/S | 9965 000 00502 | RES. 1MΩ ±5% 1W | RC05105010 | QP03 | | 9965 000 06384 | IC TL431CZ | HC33036590 |
| ▲ RP01 | /F/L/U | | RES. 2.2MΩ ±10% 1/2W | RC10225820 | | | PROG.VOLTAGE REFERENCE | | |
| | | | FOR UL | | QP04 | | 9965 000 01920 | CHIP TRS. 2SC4672 Q | HX346721A0 |
| RP02 | | 4822 053 11823 | METAL RES. 82kΩ ±5% 2W | NK05823020 | ▲ QP05 | | 9965 000 11681 | IC SI-8033S SW REG. | HC91903080 |
| RP03 | | 9965 000 00402 | METAL RES. 0.47Ω ±5% 2W | NL05472020 | ▲ QP06 | | 9965 000 04991 | IC SI-3050C +5.0V 1.5A | HC10006080 |
| RP04 | | 4822 116 82107 | METAL RES. 68kΩ ±5% 3W | NK05683030 | QP07 | | 9965 000 01921 | CHIP TRS. 2SA1797 | HX117971A0 |
| RP05 | | 4822 116 82107 | METAL RES. 68kΩ ±5% 3W | NK05683030 | QP08 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 |
| RP06 | | 4822 116 82487 | CHIP RES. 0.Ω ±5% 1/16W | NN05000610 | QP09 | | 9965 000 01921 | CHIP TRS. 2SA1797 | HX117971A0 |
| RP08 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 | QP10 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 |
| | | | | | QP11 | | 9965 000 01921 | CHIP TRS. 2SA1797 | HX117971A0 |
| | | | | | QP12 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 |
| | | | | | QP13 | | 4822 130 61903 | DIG.TRS. DTA114EU | BA10026210 |

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| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|-----------------------------|----------------|---------|-------------|--------------------|-----------------------------|----------------|
| QP14 | | 9965 000 01920 | CHIP TRS. 2SC4672 Q | HX346721A0 | CB21 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| QP15 | | 4822 209 71373 | IC NJM78L05A | HC38105090 | CB22 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| ▲ QP16 | | 4822 130 10431 | PHOTO UNIT PC123F2 | HW10032320 | CB23 | | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 |
| | | | PHOTO COUPLER | | CB24 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| QP17 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 | CB25 | | 4822 124 90353 | ELECT. 100μF M 10V RA-2 | OA10701020 |
| | | | | | CB28 | /N | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| ▲ FP01 | /A/C/N/S | 4822 070 31252 | PS01-MISCELLANEOUS | | CB29 | /A/C/F/L /S | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| | | | FUSE 1.25A 250V | FS10125850 | | | | | |
| ▲ FP01 | /F/L/U | | BS LISTED | | CB30 | /A/C/F/L /S | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 |
| | | | FUSE 1.25A 125V | FS10125350 | | | | | |
| ▲ FP05 | | 4822 071 51252 | UL CSA MINI FBT | FS20125200 | CB31 | /A/C/F/L /S | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| | | | FUSE T1.25A 250V | | | | | | |
| ▲ FP07 | | 9965 000 05919 | TR5 NO 19372 TP | FS20040200 | CB32 | /A/C/F/L /S | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 |
| | | | FUSE T400MA 250V | | | | | | |
| ▲ FP08 | | 9965 000 05919 | TR5 NO 19372 TP | FS20040200 | CB35 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| | | | FUSE T400MA 250V | | CB39 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 |
| | | | TR5 NO 19372 TP | | CB40 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| ▲ JP02 | | 9965 000 06707 | JACK 2P MAINS INLET M1818-A | YJ04002510 | | | | | |
| LP01 | | 4822 157 70398 | LINE FILTER 22MH X2 | LC22260130 | CC01 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| LP03 | | 9965 000 07635 | CHOKO COIL 22μH 1.7A | LC22230060 | CC02 | | 4822 126 14529 | CER.CHIP 8pF GR39 | DD91080300 |
| LP04 | | 9965 000 11687 | CHOKO COIL 47μH 2.5A | LC14734500 | CC03 | | 9965 000 04997 | CER.CHIP 5pF ±0.25pF CH 50V | DD90050300 |
| | | | | | CC04 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 |
| ▲ TP01 | /A/C/N/S | 9965 000 11696 | MAINS TRANSF. SWITCHING | TS12900040 | CC05 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| | | | ER28S | | CC06 | | 4822 126 11669 | CER.CHIP 27pF GR39 | DD95270300 |
| ▲ TP01 | /F/L/U | | MAINS TRANSF. SWITCHING | TS12900050 | CC07 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| | | | ER28SU F L | | CC08 | | 4822 126 11659 | CER.CHIP 3pF ±0.25pF CJ 50V | DD90030300 |
| | | | | | CC09 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| | | | PS02-POWER SWITCH | | CC10 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| | | | CIRCUIT BOARD | | CC11 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| ▲ SP01 | | 9965 000 11695 | PUSH SWITCH MAINS SW. | SP01013800 | CC12 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| | | | ESB92S17B | | CC13 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| | | | | | CC14 | | 4822 126 13956 | CER.CHIP 68pF GR39 | DD95680300 |
| | | | PV01-VIDEO | | CC15 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 |
| | | | CIRCUIT BOARD | | CC16 | | 4822 122 33782 | CER.CHIP 56pF GR39 | DD95560300 |
| | | | PV01-CAPACITORS | | CC17 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| C801 | /N | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 | CC19 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| C802 | /N | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 | CC20 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| C803 | /N | 4822 126 11687 | CER.CHIP 0.1μF Z | DK98104200 | CC21 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| C804 | | | | | CC22 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| } | /N | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CC23 | | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 |
| C808 | | | | | CC24 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| C950 | /N | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CC25 | | 4822 124 90353 | ELECT. 100μF M 10V RA-2 | OA10701020 |
| C951 | /N | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CC29 | /A/C/F/L /S | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| C952 | | | | | | | | | |
| } | /N | 4822 126 13267 | CER.CHIP 330pF GR39 | DK96331300 | CC30 | /A/C/F/L /S | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 |
| C955 | | | | | | | | | |
| C956 | /N | 4822 126 13267 | CER.CHIP 330pF GR39 | DK96331300 | CC31 | /A/C/F/L /S | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| C957 | /N | 4822 126 13267 | CER.CHIP 330pF GR39 | DK96331300 | | | | | |
| C958 | /N | 4822 126 13267 | CER.CHIP 330pF GR39 | DK96331300 | CC32 | /A/C/F/L /S | 5322 124 21731 | ELECT. 10μF M 50V RA-2 | OA10605020 |
| C959 | /N | 4822 126 13267 | CER.CHIP 330pF GR39 | DK96331300 | | | | | |
| | | | | | CC39 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 |
| CB01 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CC40 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB02 | | 4822 126 14529 | CER.CHIP 8pF GR39 | DD91080300 | | | | | |
| CB03 | | 9965 000 04997 | CER.CHIP 5pF ±0.25pF CH 50V | DD90050300 | CV01 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB04 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 | CV02 | | 4822 124 90354 | ELECT. 100μF M 16V RA-2 | OA10701620 |
| CB05 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 | CV03 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB06 | | 4822 126 11669 | CER.CHIP 27pF GR39 | DD95270300 | CV04 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| CB07 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CV05 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB08 | | 4822 126 11659 | CER.CHIP 3pF ±0.25pF CJ 50V | DD90030300 | CV06 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| CB09 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CV07 | /N | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB10 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CV08 | /N | 4822 124 90354 | ELECT. 100μF M 16V RA-2 | OA10701620 |
| CB11 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CV09 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB12 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 | CV10 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| CB13 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 | CV11 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB14 | | 4822 126 13956 | CER.CHIP 68pF GR39 | DD95680300 | CV12 | | 4822 124 90371 | ELECT. 470μF M 10V RA-2 | OA47701020 |
| CB15 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 | CV13 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 |
| CB16 | | 4822 122 33782 | CER.CHIP 56pF GR39 | DD95560300 | CV14 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| CB17 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CV15 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| CB19 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CV16 | | 4822 126 13956 | CER.CHIP 68pF GR39 | DD95680300 |
| CB20 | | 4822 126 11703 | CER.CHIP 0.01μF | DK98103300 | CV17 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 |

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| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|------------|----------------|-----------------------|------------------------------|-------------------|------------|----------------|-----------------------|-----------------------------|-------------------|
| CV18 | | 4822 122 33782 | CER.CHIP 56pF GR39 | DD95560300 | CY10 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 |
| CV19 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | CY11 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV21 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY12 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 |
| CV22 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 | CY13 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV23 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY14 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| CV24 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | CY15 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 |
| CV25 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY16 | | 4822 126 13956 | CER.CHIP 68pF GR39 | DD95680300 |
| CV26 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 | CY17 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 |
| CV27 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY18 | | 4822 122 33782 | CER.CHIP 56pF GR39 | DD95560300 |
| CV28 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 | CY19 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| CV30 | | 5322 126 14449 | CER.CHIP 39pF ±5% CG 50V | DD95390300 | CY21 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV32 | | 5322 126 14449 | CER.CHIP 39pF ±5% CG 50V | DD95390300 | CY22 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV33 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY23 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV34 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 | CY24 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV35 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY25 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 |
| CV36 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 | CY26 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV41 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY27 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 |
| CV42 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | CY28 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV43 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY29 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 |
| CV44 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | CY32 | /N | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV45 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY37 | | 5322 126 11578 | CER.CHIP 1000pF ±10% B 50V | DK96102300 |
| CV46 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | CY38 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV47 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | CY39 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 |
| CV48 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | CY40 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 |
| CV51 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | | | | | |
| CV52 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | | | | PV01-RESISTORS | |
| CV53 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R801 | /N | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| CV54 | | 5322 124 21731 | ELECT. 10µF M 50V RA-2 | OA10605020 | R802 | /N | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| CV56 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R803 | /N | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| CV57 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 | R804 | /N | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| CV58 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 | R805 | /N | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| CV59 | | 4822 126 13956 | CER.CHIP 68pF GR39 | DD95680300 | R806 | /N | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| | | | | | R807 | /N | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| CV60 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 | R808 | /N | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| CV61 | | 4822 122 33782 | CER.CHIP 56pF GR39 | DD95560300 | R809 | /N | 4822 051 30563 | CHIP RES. 56kΩ ±5% 1/16W | NN05563610 |
| CV62 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | R810 | /N | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| CV64 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R811 | /N | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| CV65 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R812 | /N | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 |
| CV66 | | 4822 124 90353 | ELECT. 100µF M 10V RA-2 | OA10701020 | R813 | /N | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| CV67 | | 4822 126 11687 | CER.CHIP 0.1µF Z | DK98104200 | R814 | /N | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| CV68 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R815 | /N | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| CV69 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R816 | /N | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| CV70 | | 4822 126 11687 | CER.CHIP 0.1µF Z | DK98104200 | R817 | /N | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| CV71 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R818 | /N | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| CV72 | | | | | R819 | /N | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| } | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R820 | /N | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| CV78 | | | | | R821 | /N | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| CV80 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R822 | /N | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| CV81 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R823 | /N | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| CV82 | | 5322 126 11578 | CER.CHIP 1000pF ±10% B 50V | DK96102300 | R824 | /N | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| CV83 | | 4822 122 33741 | CER.CHIP 10pF ±0.5pF CH 50V | DD91100300 | | | | | |
| CV84 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R950 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CV88 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | R951 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CV90 | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V | DD95101300 | R952 | /N | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| CV92 | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V | DD95101300 | R953 | /N | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| CV93 | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V | DD95101300 | R954 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| | | | | | R955 | /N | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CY08 | | 4822 126 11659 | CER.CHIP 3pF ±0.25pF C J 50V | DD90030300 | R956 | /N | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| CV94 | | | | | R957 | /N | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| } | | 4822 122 31765 | CER.CHIP 100pF ±5% CG 50V | DD95101300 | R958 | /N | | RES. 22kΩ ±5% 1/6W | GD05223160 |
| CV98 | | | | | R959 | /N | | RES. 22kΩ ±5% 1/6W | GD05223160 |
| | | | | | | | | | |
| CY01 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | RB01 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CY02 | | 4822 126 14529 | CER.CHIP 8pF GR39 | DD91080300 | RB02 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| CY03 | | 9965 000 04997 | CER.CHIP 5pF ±0.25pF CH 50V | DD90050300 | RB03 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| CY04 | | 4822 126 11671 | CER.CHIP 33pF ±5% CG 50V | DD95330300 | RB04 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| CY05 | | 4822 122 33752 | CER.CHIP 15pF ±5% CG 50V | DD95150300 | RB05 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| CY06 | | 4822 126 11669 | CER.CHIP 27pF GR39 | DD95270300 | RB06 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| CY07 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RB07 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| CY09 | | 4822 126 11703 | CER.CHIP 0.01µF | DK98103300 | RB08 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MUJ) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MUJ) |
|---------|---------------|--------------------|---------------------------|----------------|---------|-------------|--------------------|---------------------------|----------------|
| RB09 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | RC41 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 |
| RB10 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | RC42 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RB11 | | 4822 051 30105 | CHIP RES. 1MΩ ±5% 1/16W | NN05105610 | RC43 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| RB12 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 | | | | | |
| RB13 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | RV01 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RB14 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | RV02 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| RB15 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RV03 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RB16 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 | RV04 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| RB17 | /A/C/F/L /S/U | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RV05 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| RB18 | /A/C/F/L /S | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV06 | | 4822 051 30105 | CHIP RES. 1MΩ ±5% 1/16W | NN05105610 |
| | | | | | RV07 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RB19 | /A/C/F/L /S | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | RV08 | | 4822 117 12968 | CHIP RES. 820Ω ±5% 1/16W | NN05821610 |
| RB20 | /A/C/F/L /S | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV10 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| RB21 | /A/C/F/L /S | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | RV11 | | 4822 051 30331 | CHIP RES. 330Ω ±5% 1/16W | NN05331610 |
| RB22 | /A/C/F/L /S | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 | RV12 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| RB23 | | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 | RV13 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RB24 | | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 | RV14 | | 4822 117 12968 | CHIP RES. 820Ω ±5% 1/16W | NN05821610 |
| RB25 | /A/C/F/L /S | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 | RV16 | | 4822 051 30121 | CHIP RES. 120Ω ±5% 1/16W | NN05121610 |
| RB26 | /A/C/F/L /S | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 | RV17 | | 4822 051 30331 | CHIP RES. 330Ω ±5% 1/16W | NN05331610 |
| | | | | | RV18 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| RB38 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV19 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RB39 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 | RV21 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| RB41 | | 4822 051 30561 | CHIP RES. 560Ω ±5% 1/16W | NN05561610 | RV22 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RB42 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV23 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RB43 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 | RV24 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| | | | | | RV28 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC01 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV29 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| RC02 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 | | | | | |
| RC03 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 | RV30 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC04 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | RV31 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| RC05 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | RV32 | | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| RC06 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV33 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC07 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 | RV34 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| RC08 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 | RV35 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC09 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 | RV36 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| RC10 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | RV37 | | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| RC11 | | 4822 051 30105 | CHIP RES. 1MΩ ±5% 1/16W | NN05105610 | RV38 | | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| RC12 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 | RV39 | | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| RC13 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | RV40 | | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| RC14 | | 4822 051 30332 | CHIP RES. 3.3kΩ ±5% 1/16W | NN05332610 | RV41 | | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| RC15 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RV42 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC16 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 | RV43 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| RC17 | /A/C/F/L /S/U | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 | RV44 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| RC18 | /A/C/F/L /S | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV45 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC19 | /A/C/F/L /S | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 | RV46 | | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 |
| RC20 | /A/C/F/L /S | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV47 | | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| RC21 | /A/C/F/L /S | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 | RV48 | | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| RC22 | /A/C/F/L /S | 4822 051 30221 | CHIP RES. 220Ω ±5% 1/16W | NN05221610 | RV49 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 |
| RC23 | | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 | RV50 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| RC24 | | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 | RV51 | | 4822 051 30471 | CHIP RES. 470Ω ±5% 1/16W | NN05471610 |
| RC25 | /A/C/F/L /S | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 | RV52 | | 4822 051 30223 | CHIP RES. 22kΩ ±5% 1/16W | NN05223610 |
| RC26 | /A/C/F/L /S | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 | RV53 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| RC38 | | 4822 051 30101 | CHIP RES. 100Ω ±5% 1/16W | NN05101610 | RV54 | | 4822 051 30331 | CHIP RES. 330Ω ±5% 1/16W | NN05331610 |
| RC39 | | 4822 051 30152 | CHIP RES. 1.5kΩ ±5% 1/16W | NN05152610 | RV55 | | 4822 116 83211 | CHIP RES. 1.8kΩ ±5% 1/16W | NN05182610 |
| | | | | | RV56 | | 4822 116 83211 | CHIP RES. 1.8kΩ ±5% 1/16W | NN05182610 |
| | | | | | RV57 | | 4822 051 30272 | CHIP RES. 2.7kΩ ±5% 1/16W | NN05272610 |
| | | | | | RV58 | | 4822 051 30102 | CHIP RES. 1kΩ ±5% 1/16W | NN05102610 |
| | | | | | RV59 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| | | | | | | | | | |
| | | | | | RV60 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| | | | | | RV61 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| | | | | | RV62 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| | | | | | RV63 | | 4822 051 30222 | CHIP RES. 2.2kΩ ±5% 1/16W | NN05222610 |
| | | | | | RV64 | | 4822 051 30681 | CHIP RES. 680Ω ±5% 1/16W | NN05681610 |
| | | | | | RV65 | | 9965 000 05009 | CHIP RES. 39Ω ±5% 1/16W | NN05390610 |
| | | | | | RV66 | | 4822 051 30339 | CHIP RES. 33Ω ±5% 1/16W | NN05330610 |
| | | | | | RV67 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | RV68 | | 4822 051 30103 | CHIP RES. 10kΩ ±5% 1/16W | NN05103610 |
| | | | | | RV69 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |
| | | | | | RV70 | | 4822 051 30472 | CHIP RES. 4.7kΩ ±5% 1/16W | NN05472610 |

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

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

| POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) | POS. NO | VERS. COLOR | PART NO. (FOR PCS) | DESCRIPTION | PART NO. (MJI) |
|---------|-------------|--------------------|---|----------------|---------|-------------|--------------------|--|----------------|
| QV01 | | 4822 130 10698 | CHIP TRS. | HX100012A0 | J801 | /N | 9965 000 05000 | PV01-MISCELLANEOUS TERMINAL YKF41-5019 | YT02420010 |
| QV02 | | 4822 130 60669 | 2SA1586 Y GR 2SA1576A Q R CHIP TRS. | HX300012A0 | JV01 | | 9965 000 11703 | EUROCONNECTOR 21X2 | YT02021700 |
| QV03 | | 9965 000 07641 | 2SC4081 Q R 2SC4116 Y GR IC TK15420M | HC10035420 | JV02 | | 9965 000 11698 | TERMINAL YKC21-3998 | YJ11000670 |
| QV04 | | 9965 000 07641 | IC TK15420M | HC10035420 | JV05 | | | JACK YKC51-5527 | YJ07019520 |
| QV05 | | 4822 130 10698 | CHIP TRS. | HX100012A0 | JY01 | | 9965 000 09134 | JACK 28FMN-BTRKA | YT02030680 |
| QV06 | | 4822 111 92186 | 2SA1586 Y GR 2SA1576A Q R | BA20015050 | JY02 | /A/C/F/L | | TERMINAL YKC21-4139 | |
| QV07 | | 4822 130 10698 | DIG.TRS. HN1C01F G NPNX2 CHIP TRS. | HX100012A0 | | /S | | G.B.R VERTICAL AU | YJ11000660 |
| QV08 | | 4822 111 92186 | 2SA1586 Y GR 2SA1576A Q R | BA20015050 | L801 | /N | 9965 000 06669 | JACK YKF45-300T D | |
| QV09 | | 4822 130 10698 | DIG.TRS. HN1C01F G NPNX2 CHIP TRS. | HX100012A0 | | | | CONNECTOR ANGLE | |
| QV10 | | 4822 111 92186 | 2SA1586 Y GR 2SA1576A Q R | BA20015050 | L805 | | | RELAY ED2-12NU NEC 12V | LY20120620 |
| QV11 | | 4822 130 10698 | DIG.TRS. HN1C01F G NPNX2 CHIP TRS. | HX100012A0 | L950 | /N | 9965 000 06669 | RELAY ED2-12NU NEC 12V | LY20120620 |
| QV12 | | 4822 130 60669 | 2SA1586 Y GR 2SA1576A Q R | HX300012A0 | L951 | /N | 9965 000 06669 | RELAY ED2-12NU NEC 12V | LY20120620 |
| QV13 | | 4822 130 60669 | CHIP TRS. | HX300012A0 | LB01 | | 4822 157 63716 | CHOKE COIL 6.8μH J% | LC16823900 |
| QV14 | | 4822 130 60669 | 2SC4081 Q R 2SC4116 Y GR | HX300012A0 | LB02 | | 4822 157 63716 | CHOKE COIL 6.8μH J% | LC16823900 |
| QV15 | | 4822 111 92189 | CHIP TRS. | HX300012A0 | LB04 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QV16 | | 4822 111 92189 | DIG.TRS. HN1B01F | BA90009050 | LB05 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QV17 | | 4822 111 92189 | DIG.TRS. HN1B01F | BA90009050 | LB07 | /N | 9965 000 06669 | RELAY ED2-12NU NEC 12V | LY20120620 |
| QV18 | | 4822 130 60669 | CHIP TRS. | HX300012A0 | LB08 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QV19 | | 4822 130 10698 | 2SC4081 Q R 2SC4116 Y GR | HX100012A0 | LB09 | /A/C/F/L | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QV21 | | 4822 130 61906 | CHIP TRS. | HX100012A0 | LC01 | /S | 4822 157 63716 | CHOKE COIL 6.8μH J% | LC16823900 |
| QV22 | | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 | LC02 | | 4822 157 63716 | CHOKE COIL 6.8μH J% | LC16823900 |
| QV23 | | 4822 130 61906 | DIG.TRS. DTA114EU | BA10026210 | LC04 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QV24 | | 4822 130 61903 | DIG.TRS. DTC114EU | BA20035210 | LC05 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QV25 | | 4822 130 10698 | CHIP TRS. | HX100012A0 | LC08 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QV26 | | 4822 130 10698 | 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | LC09 | /A/C/F/L | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QV27 | | 4822 130 10698 | CHIP TRS. | HX100012A0 | LV01 | /S | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QY01 | | 4822 130 10698 | DIG.TRS. DTA114EU | BA10026210 | LV02 | | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QY02 | | 4822 130 60669 | DIG.TRS. DTC114EU | BA20035210 | LV03 | | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QY03 | | 4822 130 10698 | CHIP TRS. | HX100012A0 | LV04 | /N | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QY04 | | 4822 130 60669 | DIG.TRS. DTA114EU | BA10026210 | LV05 | | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QY05 | | 4822 209 31421 | 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | LV06 | | 4822 157 60445 | CHOKE COIL 15μH J% | LC11533900 |
| QY06 | | 9965 000 11676 | CHIP TRS. | HX100012A0 | LV07 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QY07 | /N | 4822 130 61906 | DIG.TRS. DTC114EU | BA20035210 | LV08 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QY08 | /N | 4822 130 61903 | 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | LV10 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QY09 | | 4822 130 60669 | CHIP TRS. | HX100012A0 | LV11 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| QY10 | | 4822 130 10698 | DIG.TRS. DTA114EU | BA10026210 | LV13 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QY12 | /A/C/F/L | 4822 130 61906 | 2SC4081 Q R 2SC4116 Y GR | HX100012A0 | LV14 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QY13 | /S | 4822 130 10698 | CHIP TRS. | HX100012A0 | LV15 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QY14 | | 4822 130 10698 | DIG.TRS. DTC114EU | BA20035210 | LV16 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| QY15 | | 4822 130 10698 | CHIP TRS. | HX100012A0 | LV17 | | | EMI FILTER BLM11B102S | FN31010030 |
| QY16 | | 4822 130 60669 | 2SA1586 Y GR 2SA1576A Q R | HX100012A0 | LV24 | | 4822 157 10416 | | |
| | | | 2SC4081 Q R 2SC4116 Y GR | HX300012A0 | LV25 | | 4822 526 10691 | FERRITE CORE TFCK-16-8-13 | FC50160030 |
| | | | | | LY01 | | 4822 157 63716 | CHOKE COIL 6.8μH J% | LC16823900 |
| | | | | | LY02 | | 4822 157 63716 | CHOKE COIL 6.8μH J% | LC16823900 |
| | | | | | LY04 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| | | | | | LY05 | | 9965 000 11686 | CHOKE COIL 12μH EL0405 | LC11233900 |
| | | | | | LY07 | /N | 9965 000 06669 | RELAY ED2-12NU NEC 12V | LY20120620 |
| | | | | | LY08 | | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| | | | | | LY09 | /A/C/F/L | 4822 116 82487 | CHIP RES. 0Ω ±5% 1/16W | NN05000610 |
| | | | | | | /S | | | |

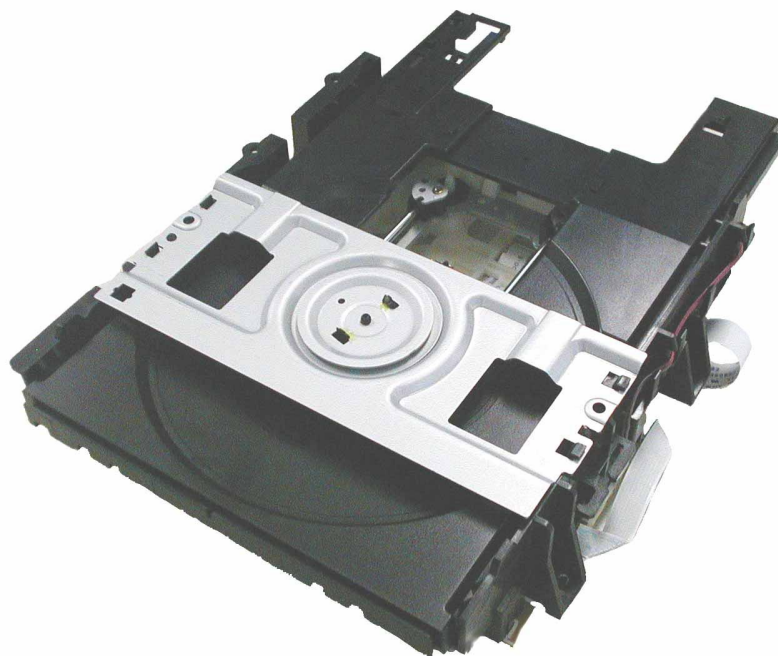
NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

Service Manual

DB-VLD101
DB-VLD102

DVD Loader for MARANTZ

DVD Player : DV2100
DV-12S1



The DVD loader is different with each product.
Refer to the following table.

| Model | Vers. |
|---------|-----------|
| DV2100 | DB-VLD101 |
| DV-12S1 | DB-VLD102 |

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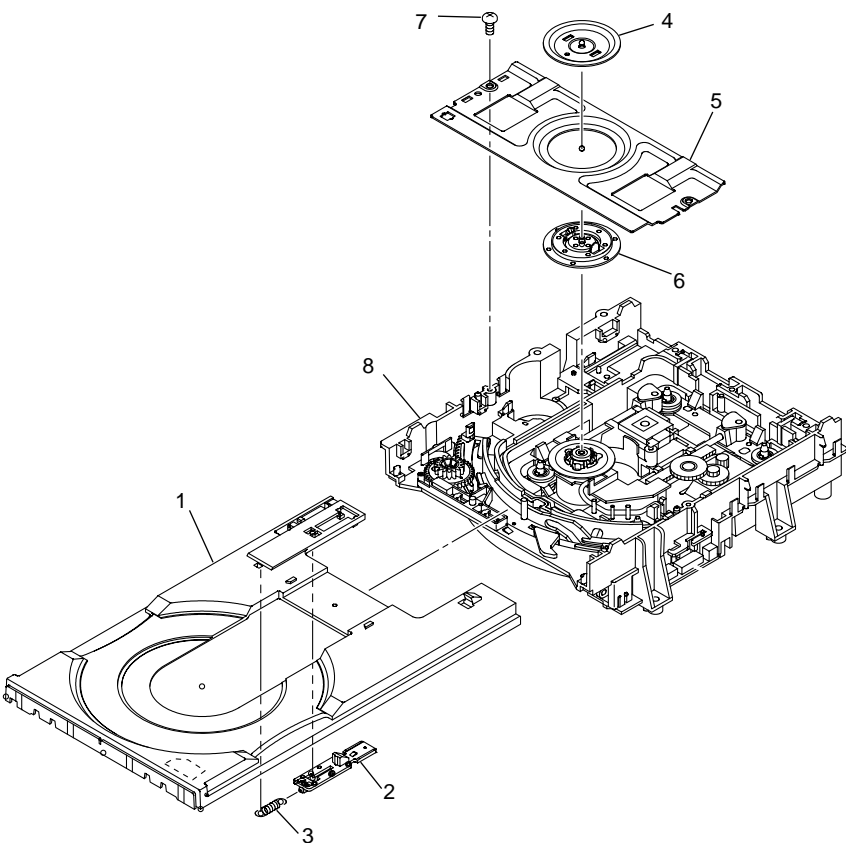
| SECTION | PAGE |
|--|------|
| 2. DB-VLD 101/102 (DVD Loader for MARANTZ) | |
| 2.1 EXTERIOR | 2-1 |
| 2.2 LOADING MECHANISM ASS'Y | 2-2 |
| 2.3 TRAVERSE MECHANISM ASS'Y | 2-3 |

Please use this service manual with referring to the user guide (D.F.U) without fail.
修理の際は、必ず取り扱い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®

DB-VLD101/102

2.1 EXTERIOR

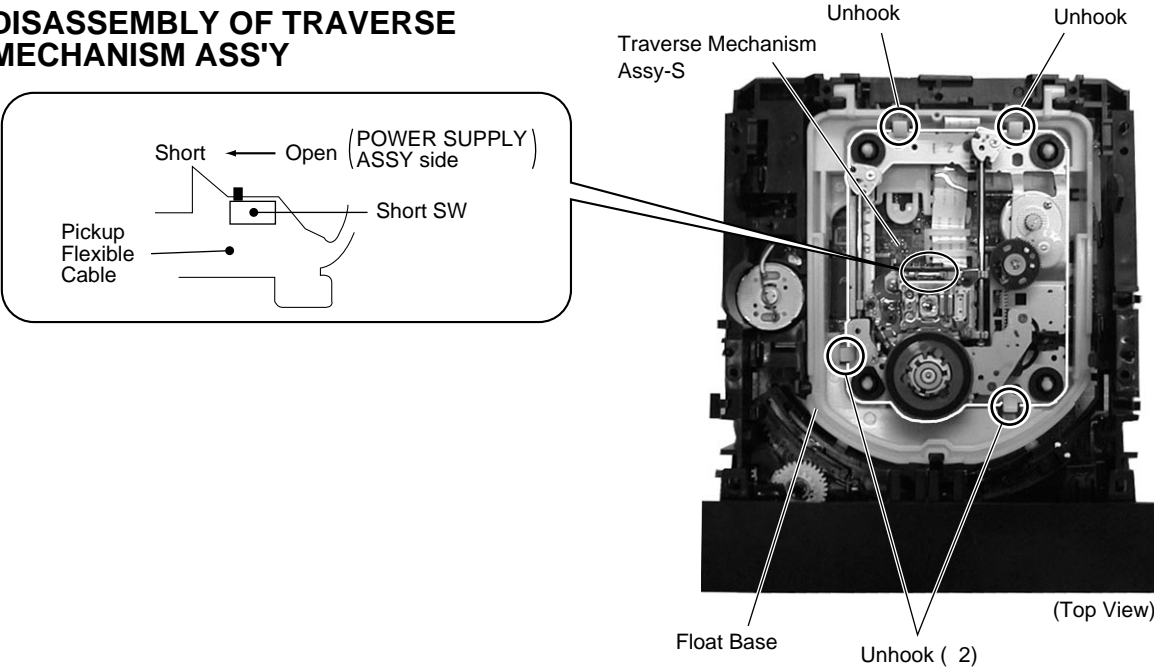


EXTERIOR PARTS LIST

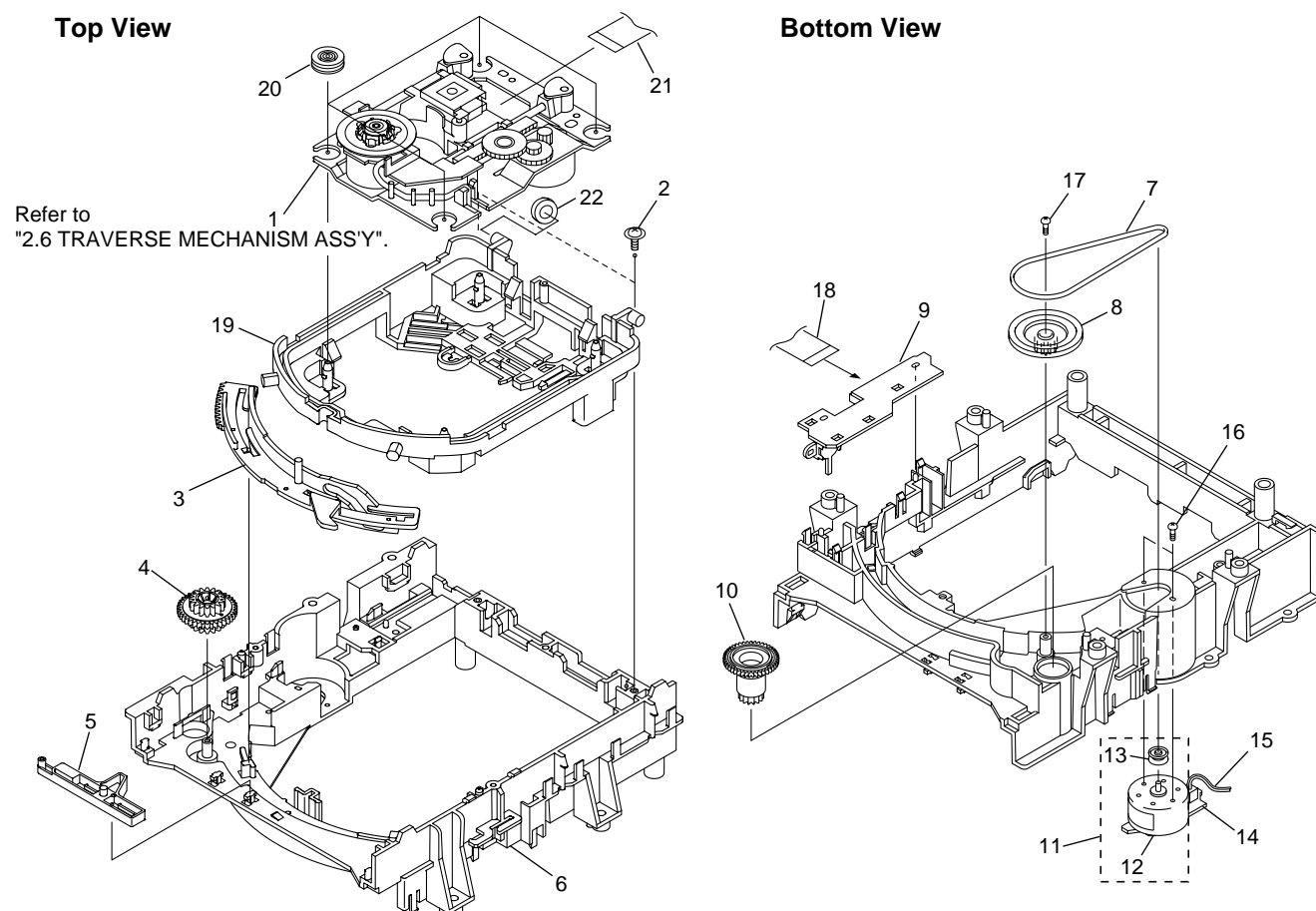
| Mark | No. | Ver. (DB-VPBxxx) | Part No. (for PCS) | Description | Part No. (for MJI) |
|------|-----|-----------------------|-------------------------|--------------------------------|-------------------------|
| | 1 | 101 (DV2100) | 9965 000 10282 | VNL1731 Tray (BLACK) | 404K163110 |
| | 1 | 102 (DV-12S1) | 9965 000 11714 | VNK4333 Tray (GRAY) | 411K163010 |
| | 2 | | 9965 000 10283 | VNL1739 Tray Stopper | 404K114110 |
| | 3 | | 9965 000 10284 | VBH1277 Tray Stopper Spring | 404K115110 |
| | 4 | | 9965 000 10285 | VNE2068 Clamper Plate | 404K005110 |
| | 5 | | 9965 000 10286 | VNE2069 Bridge | 404K104110 |
| | 6 | | 9965 000 07948 | VNL1738 Clamper | 402K005210 |
| NSP | 7 | | --- | BPZ26P080FZK Screw | --- |
| NSP | 8 | | --- | VWT1162 Loading Mechanism Assy | --- |

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

DISASSEMBLY OF TRAVERSE MECHANISM ASS'Y



2.2 LOADING MECHANISM ASS'Y



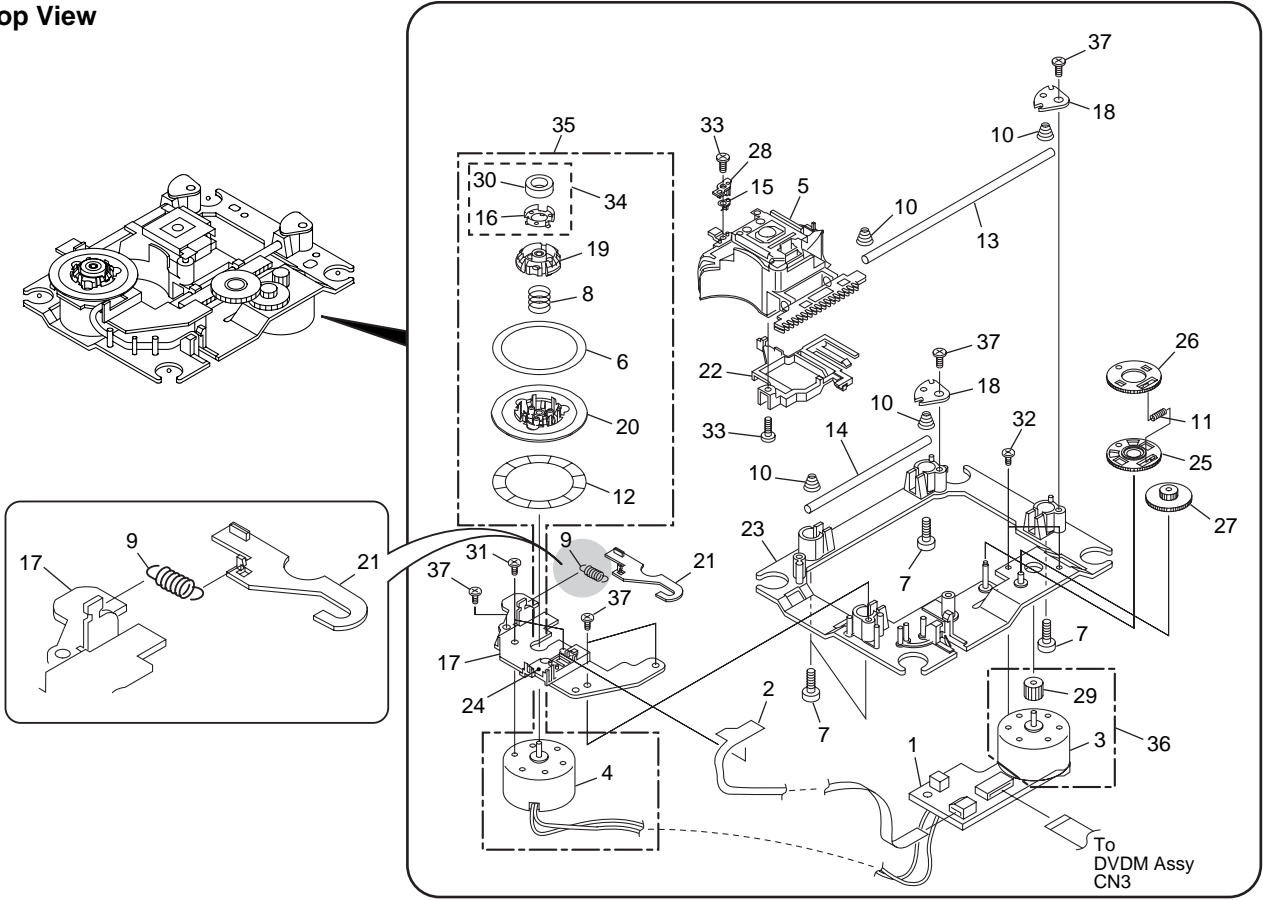
● LOADING MECHANISM ASS'Y PARTS LIST

| Mark | No. | Part No. (for PCS) | Description | Part No. (for MJl) |
|------|-----|-------------------------|--|-------------------------|
| NSP | 1 | 9965 000 07935 | VXX2653 Traverse Mechanism Assy-S | *ZK000310R |
| | 2 | --- | DBA1006 Screw | --- |
| | 3 | 9965 000 10287 | VNL1736 Drive Cam | 404K054110 |
| | 4 | 9965 000 10288 | VNL1735 Drive Gear | 404K058110 |
| NSP | 5 | 9965 000 07938 | VNL1820 Lock Plate | 402K104210 |
| | 6 | --- | VNL1854 Loading Base | 404K105110 |
| | 7 | 9965 000 10290 | VEB1260 Belt | 404K264110 |
| NSP | 8 | --- | VNL1733 Gear Pulley | 404K262110 |
| | 9 | --- | VWG1885 LOSB Assy | --- |
| | 10 | 9965 000 10292 | VNL1734 Loading Gear | 404K058210 |
| NSP | 11 | 9965 000 07942 | VXX2505 Loading Motor Assy | *ZZ001600R |
| | 12 | --- | PXM1027 DC Motor/0.3W | --- |
| NSP | 13 | --- | PNW1634 Motor Pulley | 296W262010 |
| NSP | 14 | --- | VWG1886 LOMB Assy | --- |
| NSP | 15 | --- | VKP2218 Connector Assy (LOMB CN401--LOS B CN303) | --- |
| NSP | 16 | --- | VBA1055 Screw | --- |
| NSP | 17 | --- | Z39-019 Screw | --- |
| | 18 | 9965 000 10294 | VDA1698 Flexible Cable (08P) (LOS B CN302--SMEB CN202) | *YU000890R |
| | 19 | 9965 000 10295 | VNL1815 Float Base | 404K104210 |
| | 20 | 9965 000 07945 | VEB1286 Floating Rubber | 402K056210 |
| | 21 | 9965 000 10296 | VDA1701 (VDA1748) Flexible Cable (24P) (Pickup Assy--DVD M CN4) | *YU000900R |
| | 22 | --- | VEB1312 Cushion | 404K056110 |

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

2.3 TRAVERSE MECHANISM ASS'Y

Top View



● TRAVERSE MECHANISM ASS'Y PARTS LIST

| Mark | No. | Part No. (for PCS) | Description | Part No. (for MJI) | Mark | No. | Part No. (for PCS) | Description | Part No. (for MJI) |
|------|-----|-----------------------|---------------------------|-----------------------|------|-----|-----------------------|------------------------------|-----------------------|
| NSP | 1 | — | VWG2048, SMEB Assy | — | NSP | 20 | — | VNL1747, Disc Table | — |
| NSP | 2 | — | VWG2009, FGSB Assy | — | NSP | 21 | 9965 000 07954 | VNL1770, Hook | 296W258010 |
| NSP | 3 | — | VXM1079, Motor | — | NSP | 22 | — | VNL1802, FFC Holder | — |
| NSP | 4 | — | VXM1084, Motor | — | NSP | 23 | — | VNL1806, Mechanism Base | — |
| △NSP | 5 | — | VWY1055, Pickup Assy | — | NSP | 24 | — | VNL1807, FG Holder | — |
| NSP | 6 | — | DEC2040, Table Sheet | — | NSP | 25 | 9965 000 07955 | VNL1808, Gear A | 296W058090 |
| NSP | 7 | — | VBA1058, Screw | — | NSP | 26 | 9965 000 07956 | VNL1809, Gear B | 296W058100 |
| NSP | 8 | — | VBH1278, Centering Spring | — | NSP | 27 | 9965 000 07957 | VNL1810, Gear C | 296W058110 |
| | 9 | 9965 000 07950 | VBH1317, Hook Spring | 296W115050 | NSP | 28 | 9965 000 07958 | VNL1811, Slider | 296W125010 |
| | 10 | 9965 000 07951 | VBH1303, Skew Spring | 296W115060 | NSP | 29 | — | VNL1814, Gear D | — |
| | 11 | 9965 000 07952 | VBH1308, Gear Spring | 296W115070 | NSP | 30 | — | VYM1024, Magnet | — |
| NSP | 12 | — | VEC1959, Reflected Sheet | — | NSP | 31 | — | JFZ17P025FZK, Screw | — |
| NSP | 13 | — | VLL1504, Guide Bar | — | NSP | 32 | — | JGZ17P028FMC, Screw | — |
| NSP | 14 | — | VLL1505, Sub-guide Bar | — | NSP | 33 | — | VBA1051, Screw | — |
| | 15 | 9965 000 07953 | VNC1017, Hold Spring | 296W115080 | NSP | 34 | — | VXX2507, Magnet Holder Assy | — |
| NSP | 16 | — | VNE2070, Magnet Holder | — | NSP | 35 | 9965 000 07959 | VXX2649, Spindle Motor Assy | *ZK000290R |
| NSP | 17 | — | VNE2154, Motor Base | — | NSP | 36 | 9965 000 07960 | VXX2650, Carriage Motor Assy | *ZK000300R |
| NSP | 18 | — | VNE2155, Cover | — | NSP | 37 | — | PBA1069, Screw | — |
| NSP | 19 | — | VNL1746, Centering Ring | — | | | | | |

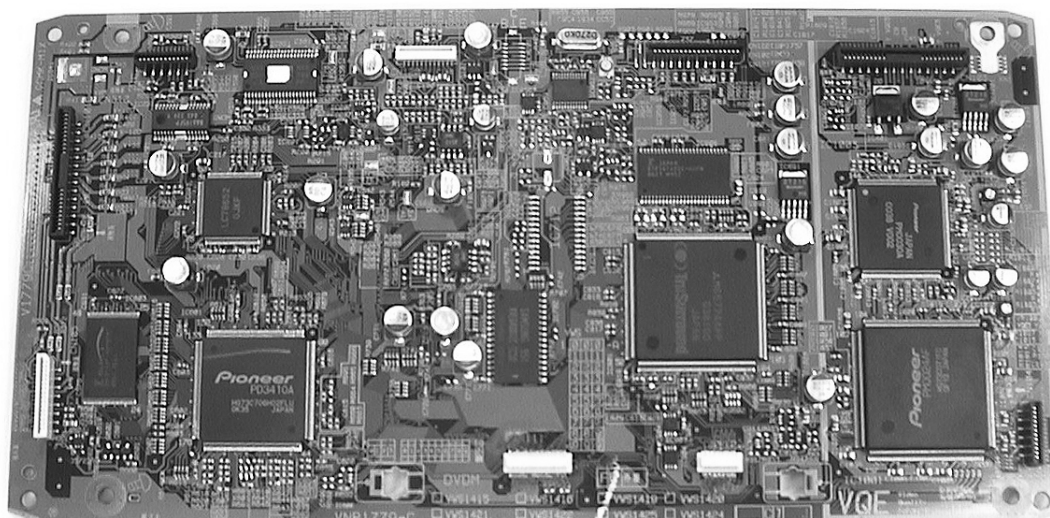
NOTE : "NSP" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

Service Manual

DB-VPB231, DB-VPB232, DB-VPB233

DVD PCB Module for MARANTZ

DVD Player : DV-12S1



The DVD PCB module is different with each version.
Refer to the following table.

| Model | Vers. | | |
|---------|-----------|-----------|-----------|
| | /F/U | /A/C/L/S | /N |
| DV-12S1 | DB-VPB231 | DB-VPB232 | DB-VPB233 |

TABLE OF CONTENTS

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| 3.1 DIAGRAMS (BLOCK, WIRING, SCHEMATIC) | 3-2 |
| 3.2 PCB CONNECTION DIAGRAM..... | 3-17 |
| 3.3 GENERAL INFORMATION (ADJ., ID NUMBER., TEST MODE., TROUBL., IC.)..... | 3-20 |
| 3.4 PCB PARTS LIST..... | 3-43 |

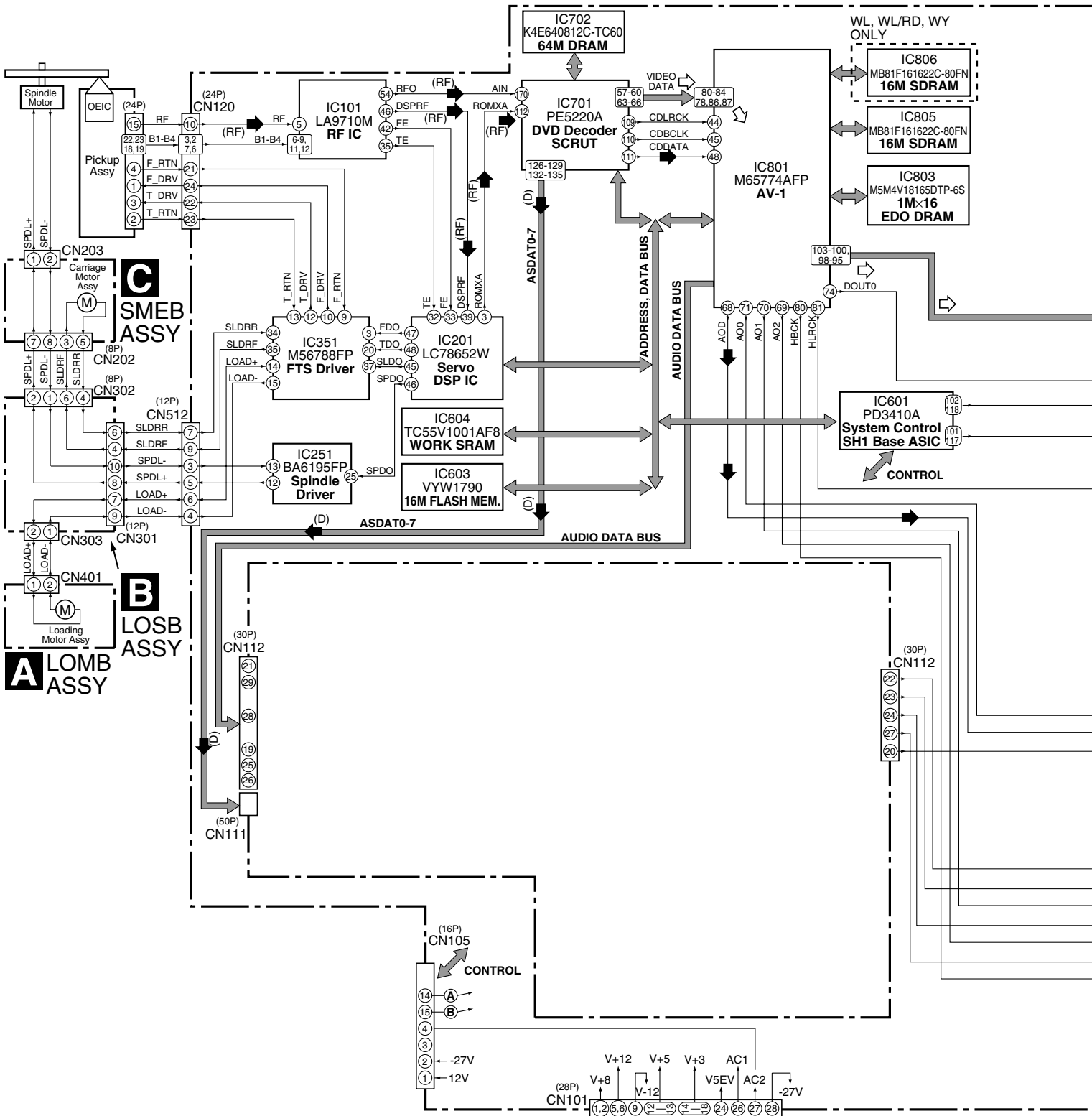
Please use this service manual with referring to the user guide (D.F.U.) without fail.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

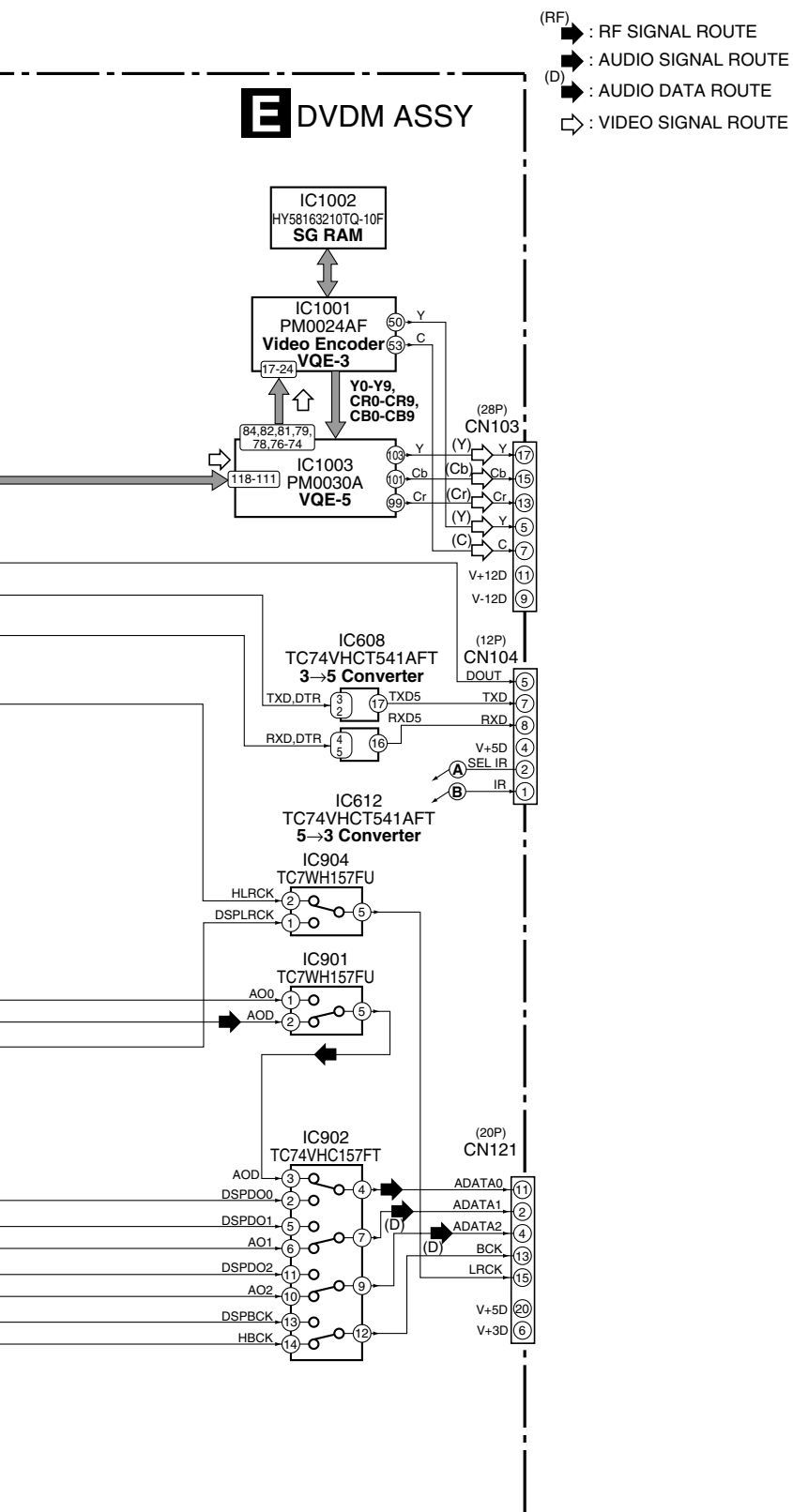
marantz®

DB-VPB231/232/233

3.1 BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

BLOCK DIAGRAM





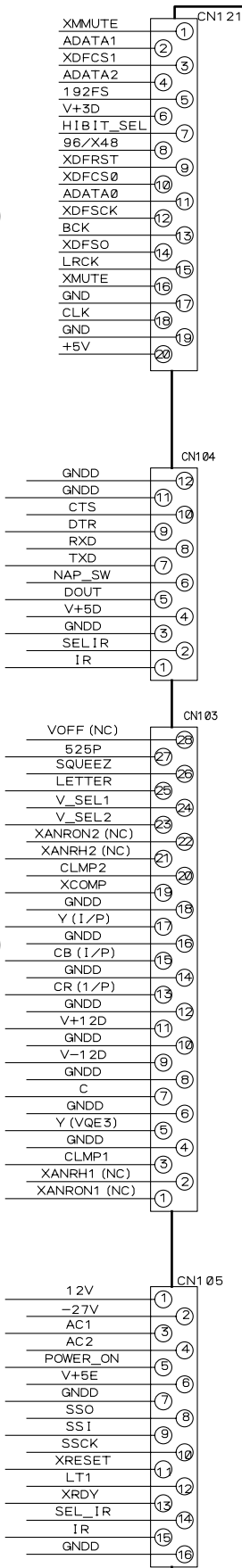
WIRING DIAGRAM

TO
J406
(PA02)

TO
JI06
(PI01)

TO
JV05
(PV01)

TO
JF06
(PF03)



E (**E** 1/5 - **E** 5/5)

DVDM ASSY

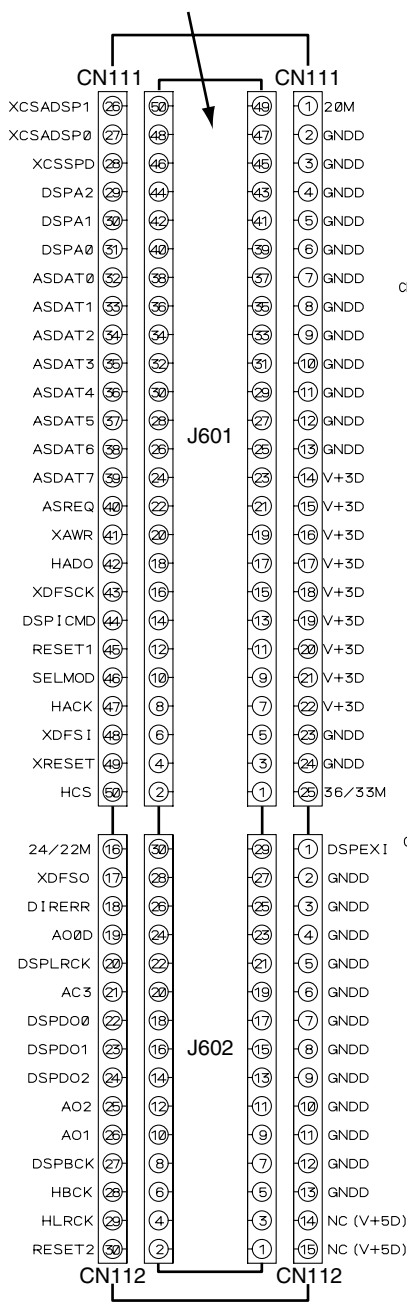
(F, U : VWS1481)

(C, L, A, S : VWS1505)

(N : VWS1482)

F (**F** 1/2, **F** 2/2)

PD01



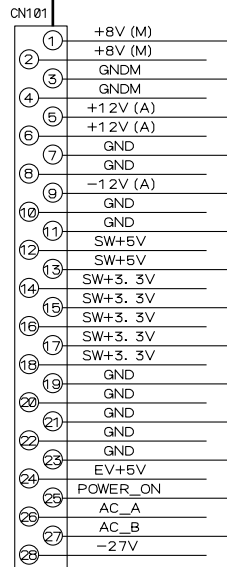
(RF) : RF SIGNAL ROUTE

(F) : FOCUS SERVO LOOP LINE

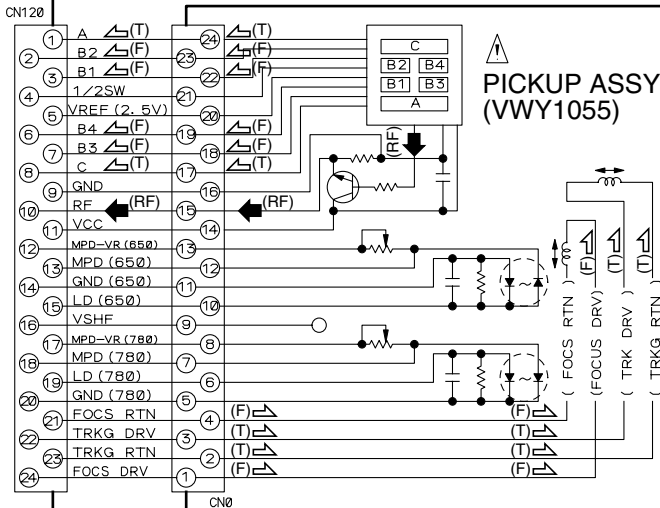
(T) : TRACKING SERVO LOOP LINE

(S) : SLIDER SERVO LOOP LINE

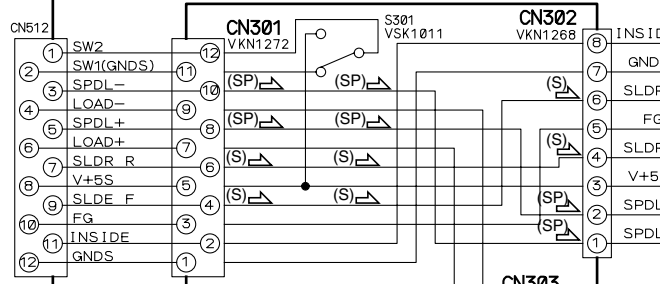
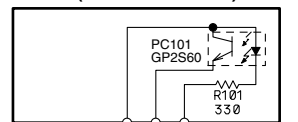
(SP) : SPINDLE SERVO LOOP LINE



TO
JP05
(PS01)

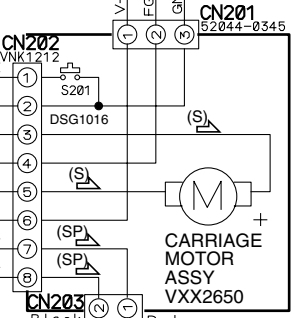
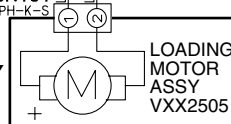


D FGSB ASSY
(VWG2009)



B LOSB ASSY
(VWG1885)

A LOMB ASSY
(VWG1886)

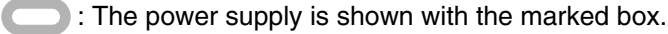


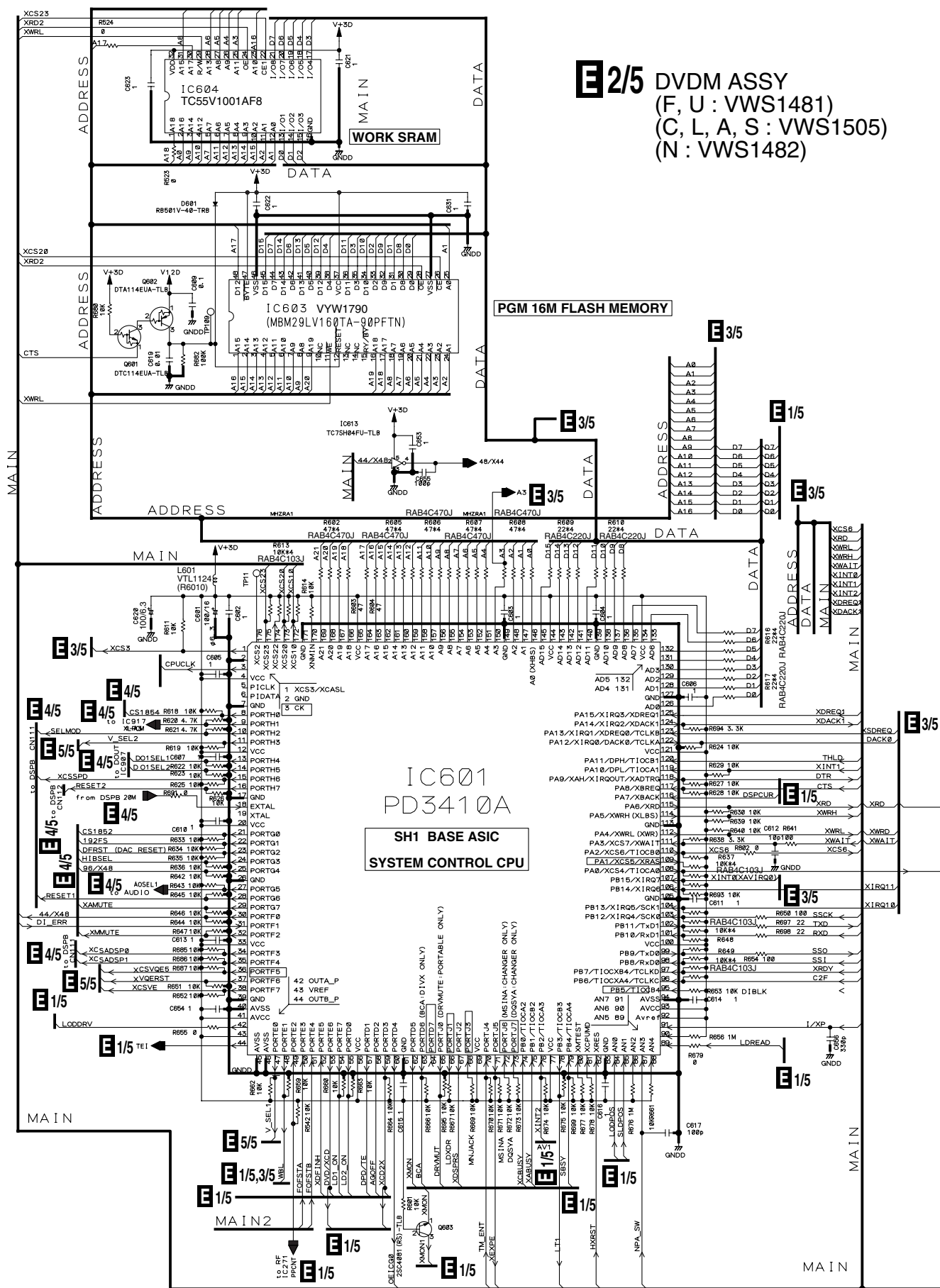
C SMEB ASSY
(VWG2048)


© CN101

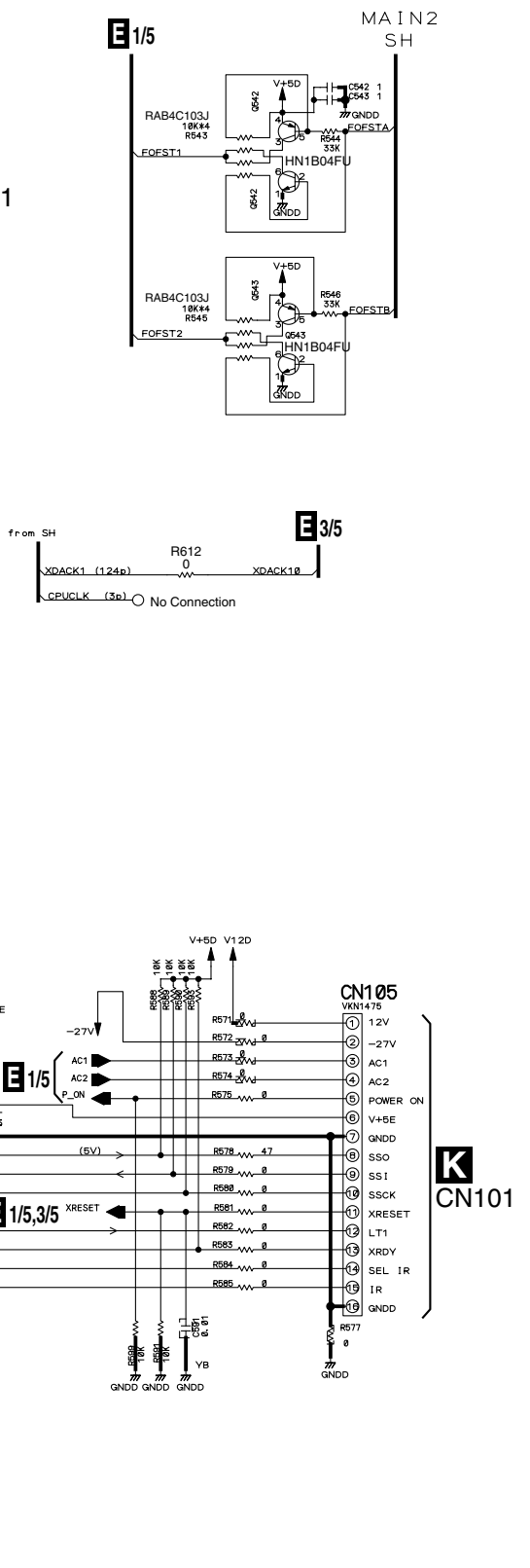


B CN301

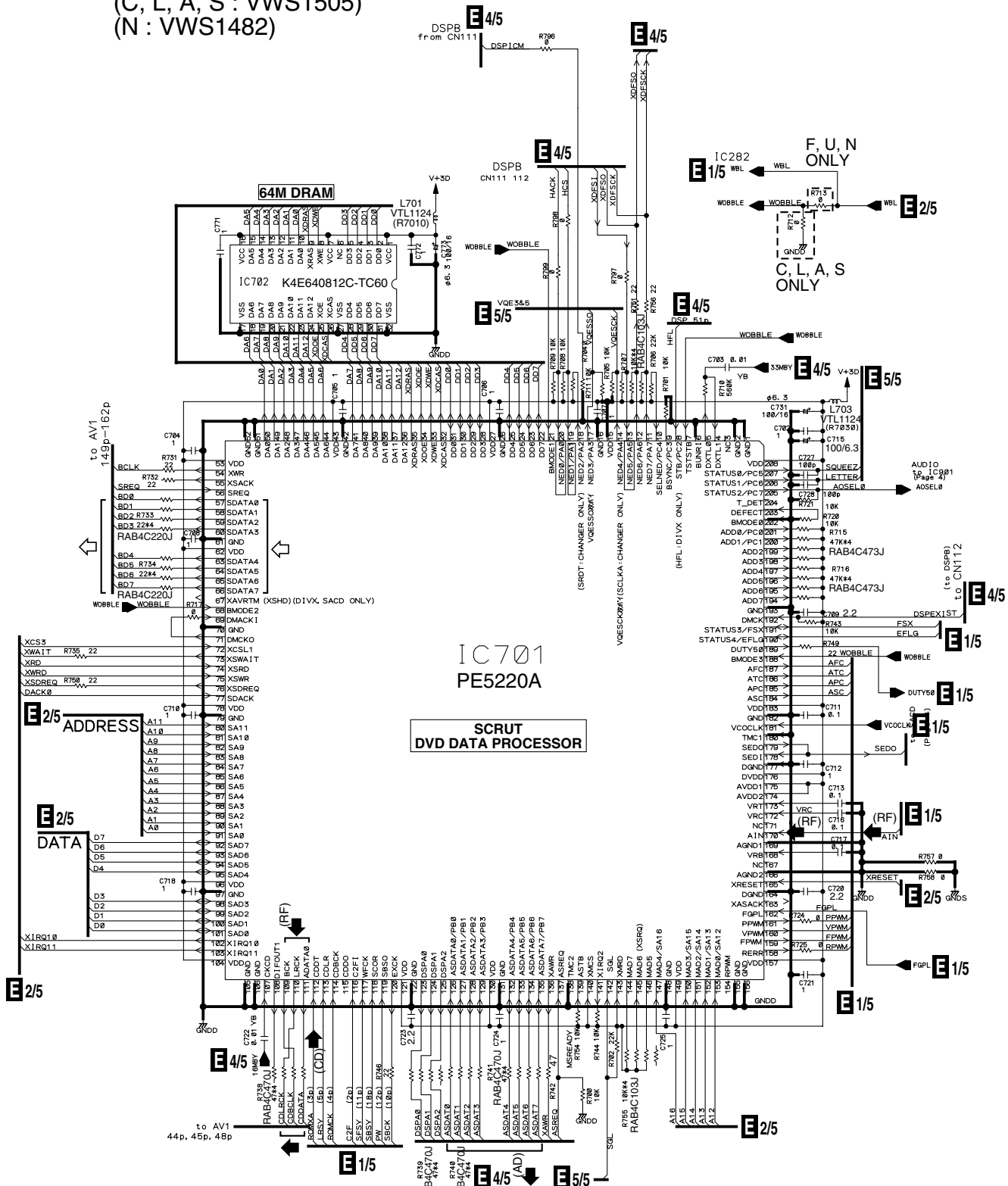




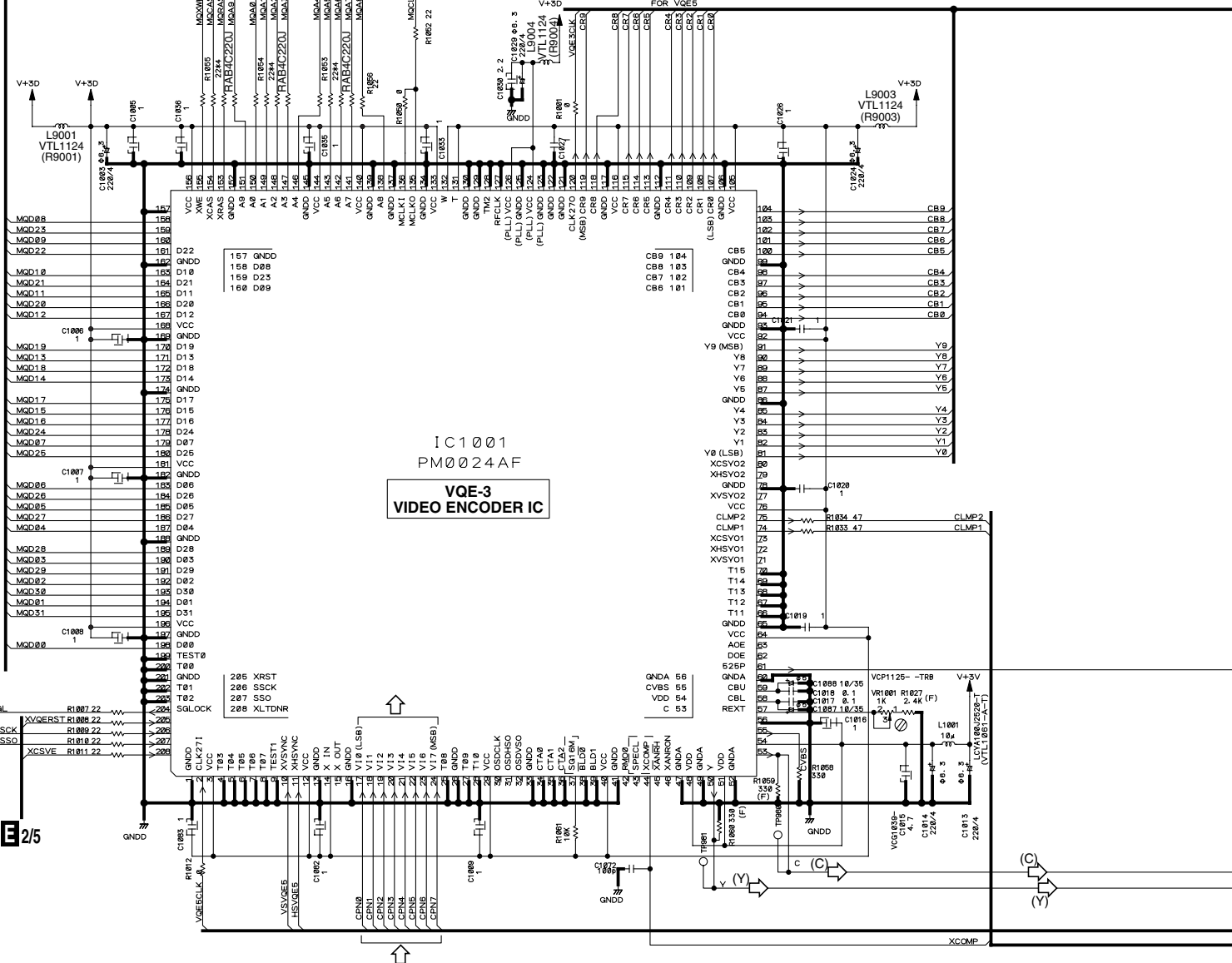
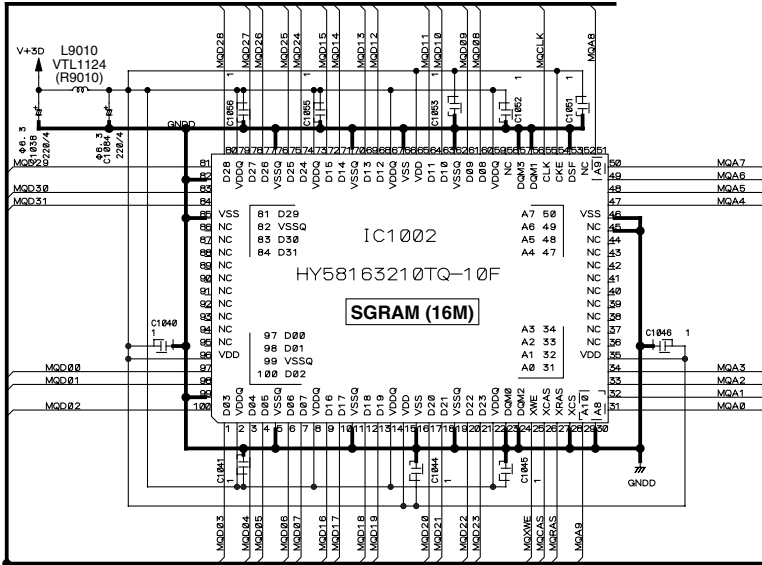
(D)  : AUDIO SIGNAL ROUTE (DIGITAL)

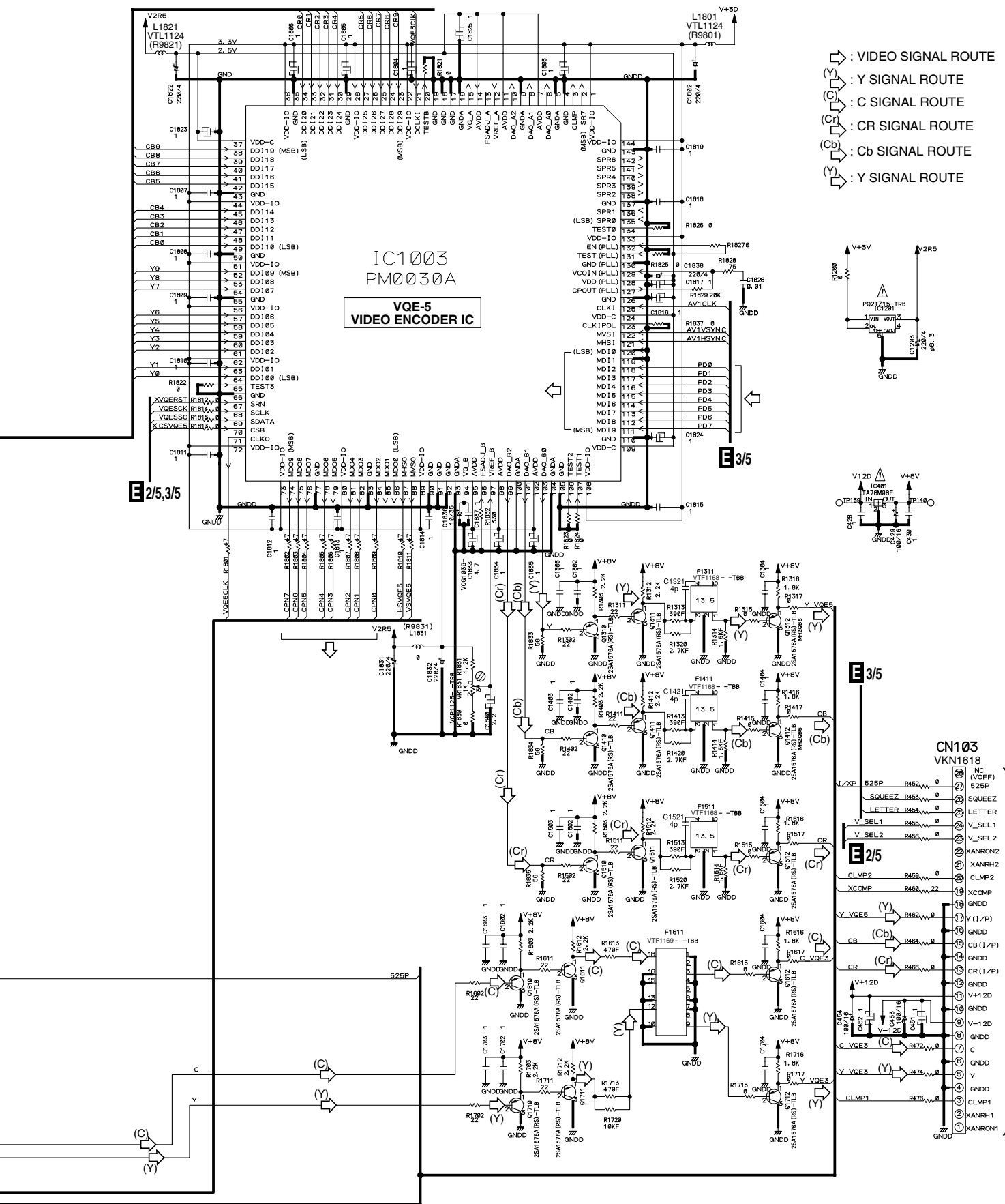


E3/5 DVDMM ASSY
(F, U : VWS1481)
(C, L, A, S : VWS1505)
(N : VWS1482)



E 5/5 DVDM ASSY
(F, U : VWS1481)
(C, L, A, S : VWS1505)
(N : VWS1482)

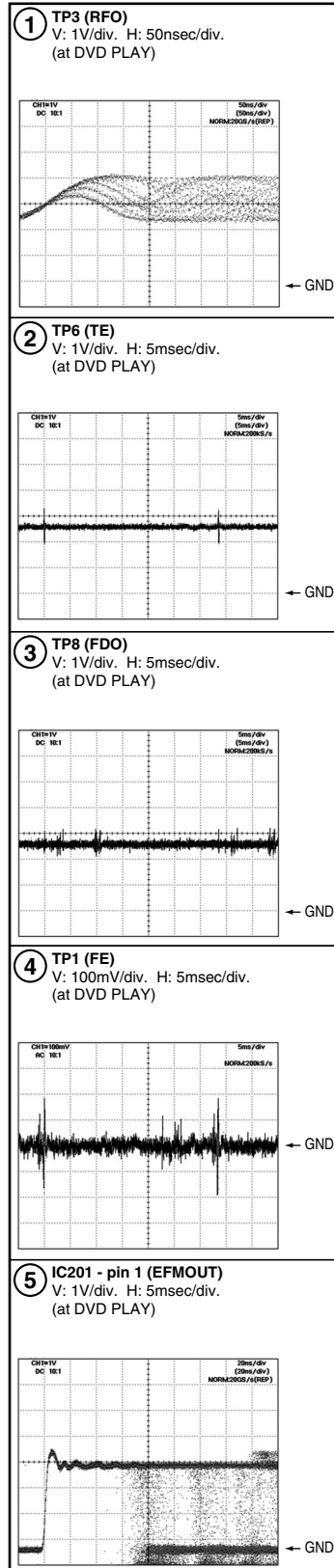




■ WAVEFORMS

Note : The encircled numbers denote measuring point in the schematic diagram.

● DVDM ASSY



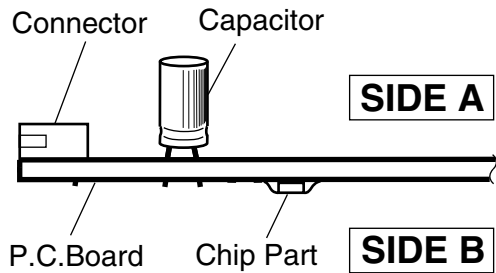
3.2 PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

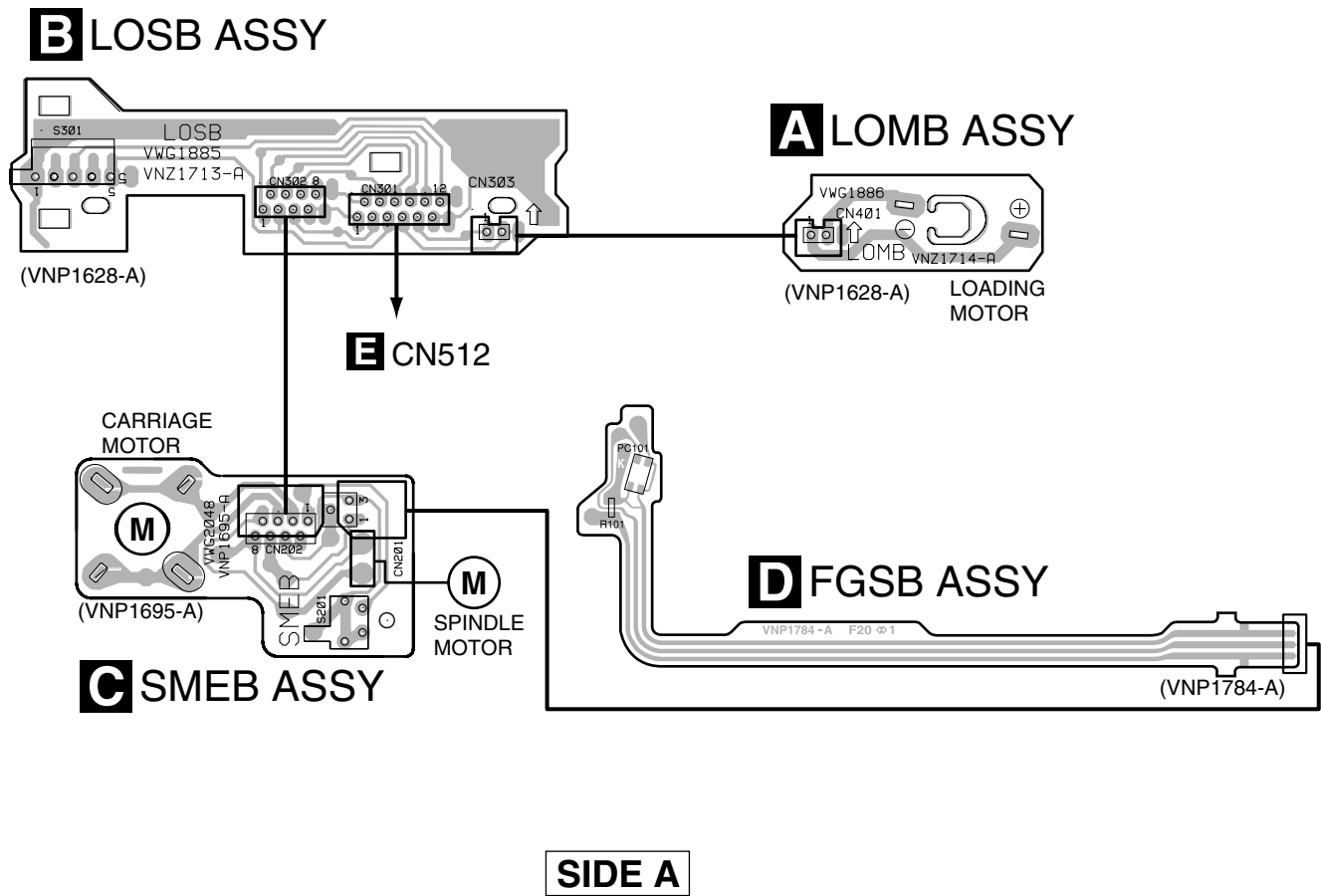
- 1. Part numbers in PCB diagrams match those in the schematic diagrams.
- 2. A comparison between the main parts of PCB and schematic diagrams is shown below.

| Symbol In PCB Diagrams | Symbol In Schematic Diagrams | Part Name |
|------------------------|------------------------------|--------------------------|
| | | Transistor |
| | | Transistor with resistor |
| | | Field effect transistor |
| | | Resistor array |
| | | 3-terminal regulator |

- 3. The parts mounted on this PCB include all necessary parts for several destinations.
- For further information for respective destinations, be sure to check with the schematic diagram.
- 4. View point of PCB diagrams.



LOMB, LOSB, SMEB and FGSB ASSYS



E DVDM ASSY

SIDE A

H J106

I JV05

G J406

PICKUP ASSY

B CN301

(VNP1779-C)

VR1001
VR1831

IC1201

IC1003 IC1001

IC1007 IC1006
IC1005

IC891 IC916
IC915 IC914

IC806 IC801
IC901 IC904

IC952 IC957
IC954 IC958
IC959 IC951
IC712 IC955

IC956 IC702

Q271 Q130
Q101 IC261
IC281 Q113
Q114

Q281 IC600
Q108 Q542
IC282 Q543
Q292

IC291

IC351

IC601

IC201

IC251

Q601

Q602

IC603

Q571

F J602

F J601

VC951

DVDM

VNP1779-C

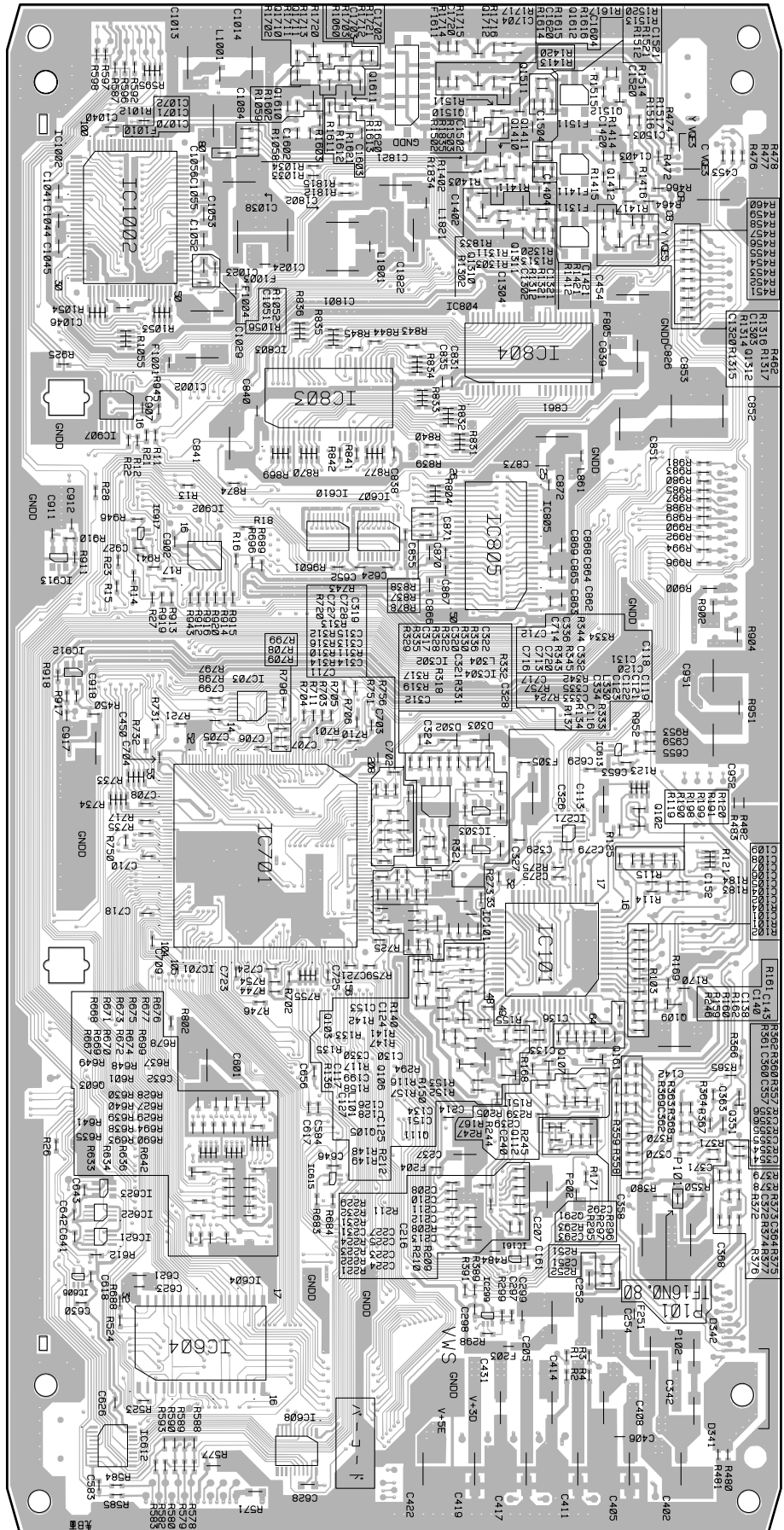
M JP05

K JF06

E DVDM ASSY

SIDE B

| | | |
|--------|-------|-------|
| Q1620 | Q1621 | Q1712 |
| Q1610 | Q1611 | Q1612 |
| | Q1511 | Q1512 |
| | Q1410 | Q1411 |
| | | Q1412 |
| IC1002 | Q1310 | Q1311 |
| | | Q1312 |
| | | IC804 |
| | | IC907 |
| | | IC803 |
| IC917 | IC610 | IC607 |
| | | IC805 |
| | | IC913 |
| | | IC902 |
| | | IC912 |
| | | IC703 |
| | | IC613 |
| | IC304 | Q102 |
| | | IC271 |
| IC701 | IC303 | |
| | | IC101 |
| | | Q103 |
| | Q106 | Q109 |
| | | Q161 |
| Q105 | Q107 | Q351 |
| | Q111 | Q291 |
| | Q112 | |
| | | IC615 |
| | | IC623 |
| | | IC622 |
| | | IC621 |
| | | IC161 |
| | | IC606 |
| | | IC299 |
| | | IC604 |
| | | IC612 |
| | | IC608 |



3.3 GENERAL INFORMATION

ADJUSTMENT

1 ADJUSTMENT ITEMS AND LOCATION


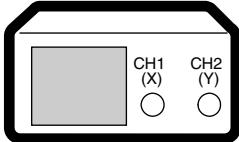

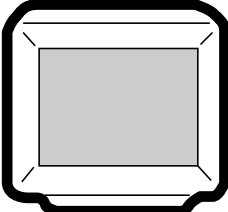
■ Adjustment Points (PCB Part)

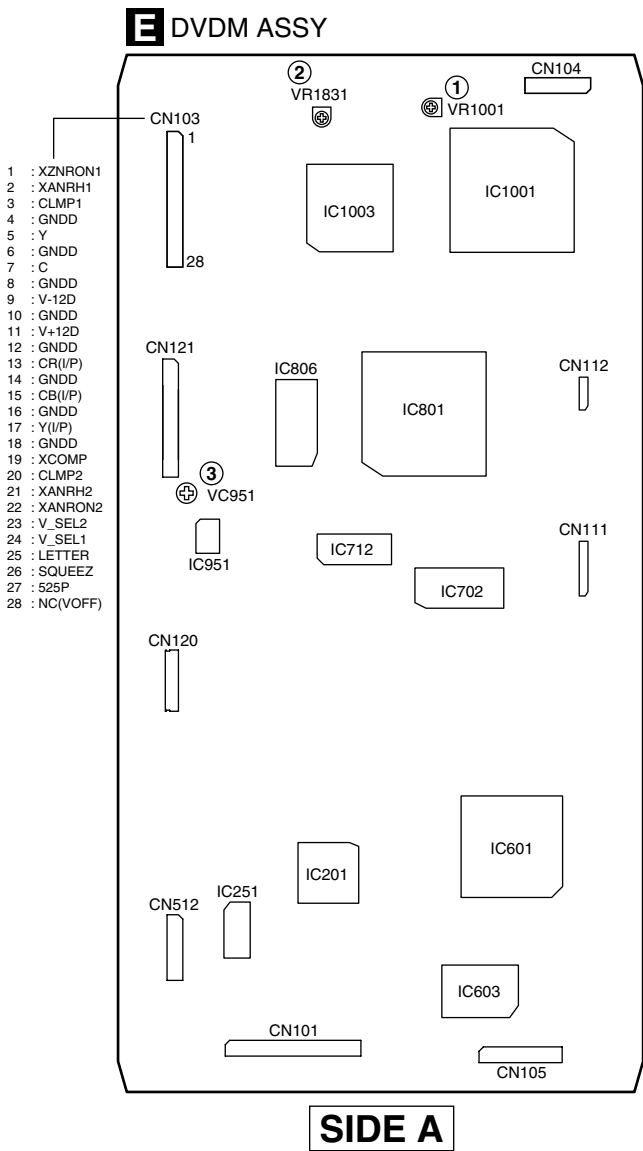
■ Adjustment Items

[Electrical Part]

- ① Y Level Adjustment
- ② Component Y Level Adjustment
- ③ 27MHz Clock Adjustment

2 JIGS AND MEASURING INSTRUMENTS

| | |
|--|--|
|  ⊖ Screwdriver (small) |  Dual-trace oscilloscope (with delay) Frequency band ≥ 40MHz |
|  Frequency counter Display digit ≥ 8-digit |  TV monitor |



3 NECESSARY ADJUSTMENT POINTS

When

Adjustment Points

■ Exchange PCB Assy

Exchange board
DVDM ASSY

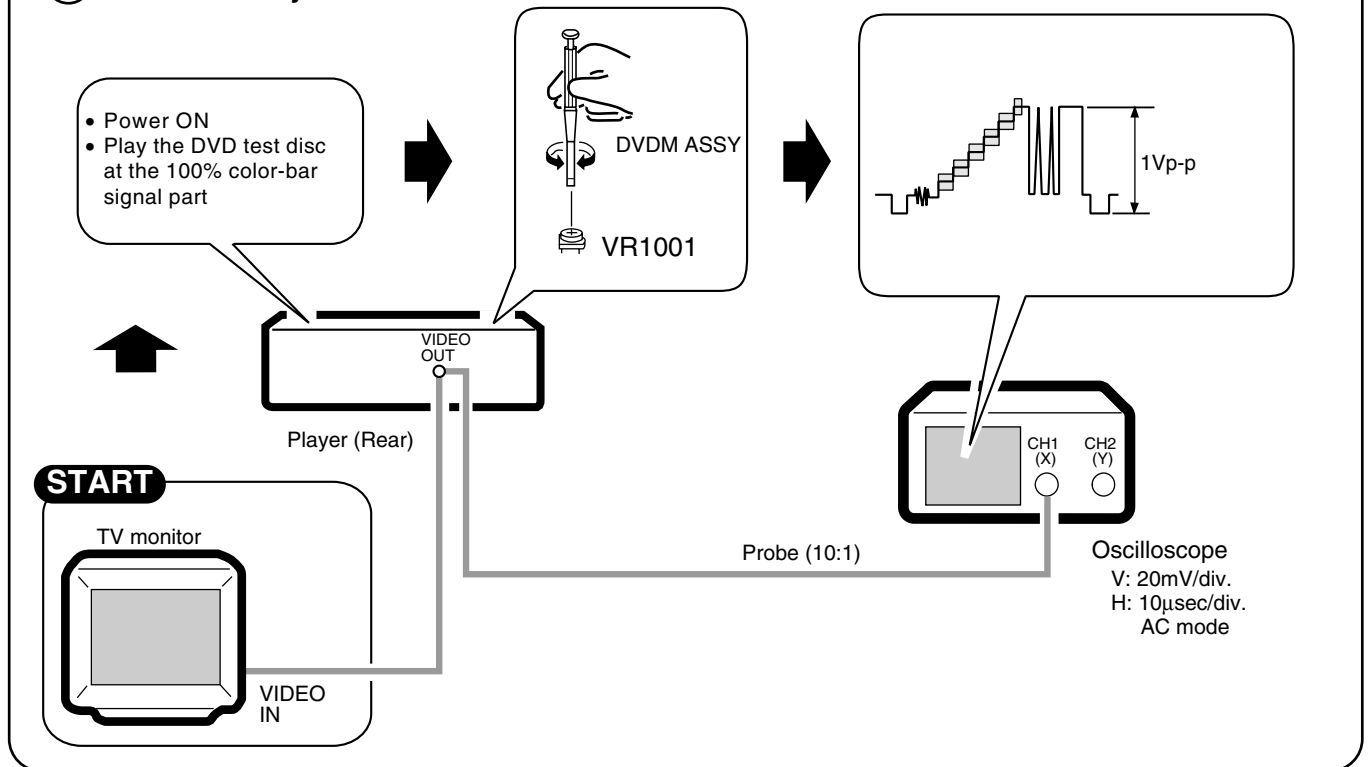


| | |
|------------------|-------|
| Mechanical point | _____ |
| Electric point | _____ |

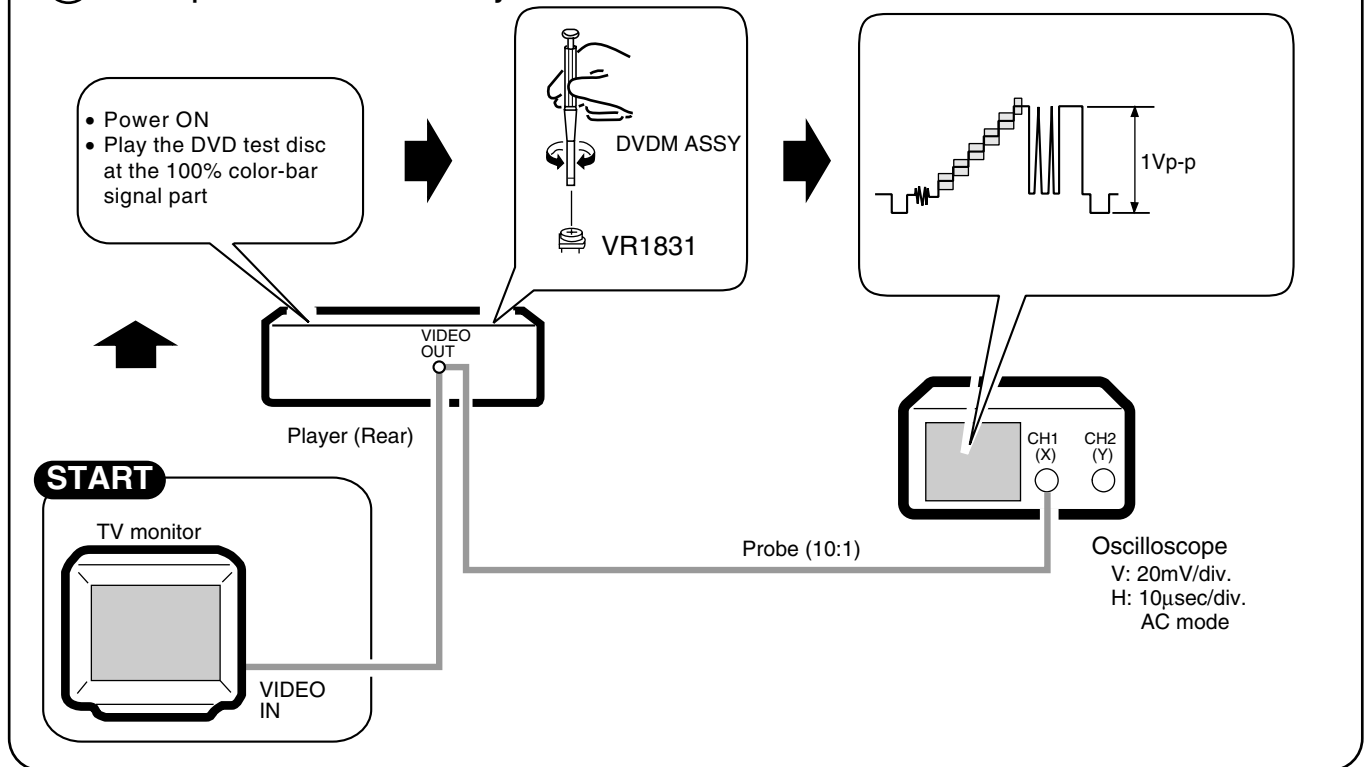
Note : ①, ② and ③ are adjusted already.

4 ELECTRICAL ADJUSTMENT

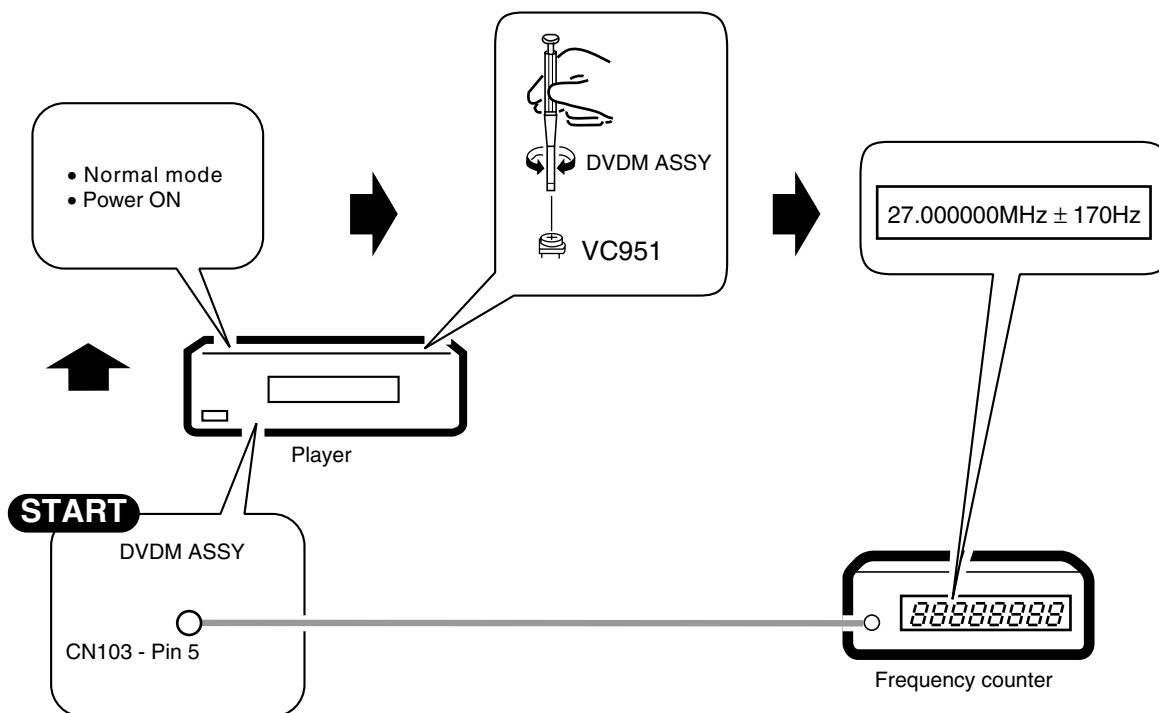
① Y Level Adjustment



② Component Y Level Adjustment



③ 27MHz Clock Adjustment



ID NUMBER AND ID DATA SETTING

■ Entering the ID Number and ID Data for Players with DVD-Audio Compatibility

It is necessary with a player with DVD-audio compatibility to set an individual number (ID number) and ID data. If the number and data are not set correctly with the following procedure, operations in the future may not be guaranteed.

Important: Write down the specified ID number by checking it according to "How to confirm the ID number" shown below.

■ The Input is Necessary When:

- Downloading FLASH-ROM is finished. (The latest version must be downloaded when a repair is made.)
- "No ID Number" is displayed on the screen (TV monitor) or FL display immediately after the power is turned on or in Stop mode.
- If "No ID DATA" is displayed, the ID data must be entered.

Note:

Be sure to enter the ID number in Stop mode.

Use the remote controller RC-12DV(DV-12S1) for operations. Only opening/closing of the tray is performed from the player.

■ How to Input the ID Number and ID Data (FLASH-ROM)

To enter the input mode, do the following procedure when no ID number is set like just after downloading.

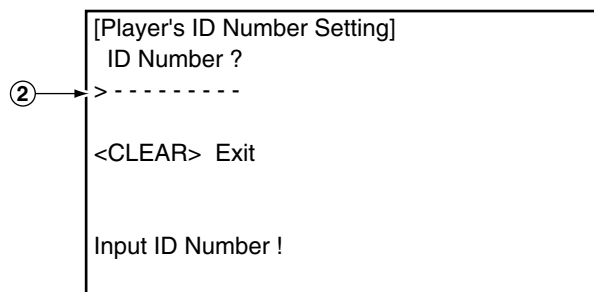
If an ID number has been written to the set, the ID number is memorized in the EEPROM on the front PCB board(PF01) and no number but the ID number can be input. To write another ID number to the set that an ID number is has already been written, delete the ID number in both EEPROM and Flash ROM, and input a new ID number.

- ① To enter the input mode, operate *A1 in a status with no ID number set, such as after FLASH-ROM downloading.

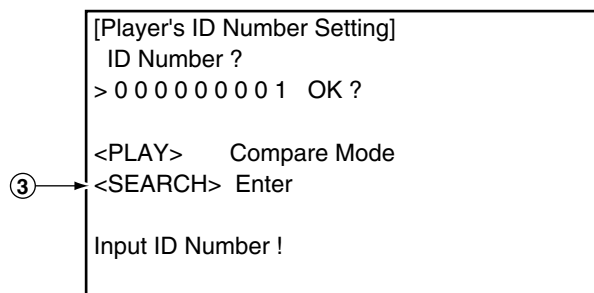
Operate *A1(ID number confirmation mode):

1. PAUSE and STOP are pushed simultaneously.
2. 1.2. and 1 are input
3. PLAY is pushed

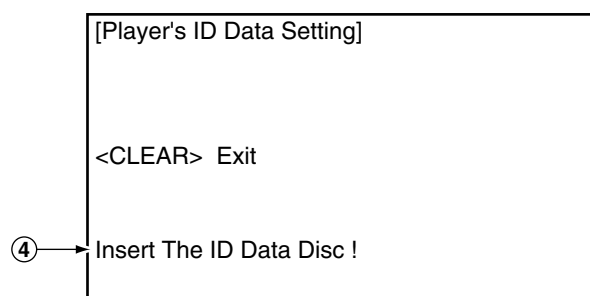
- ② As number input is enabled when the unit enters the input mode, input the 9-digit ID number.
(The entered number is also displayed on the FL display.)



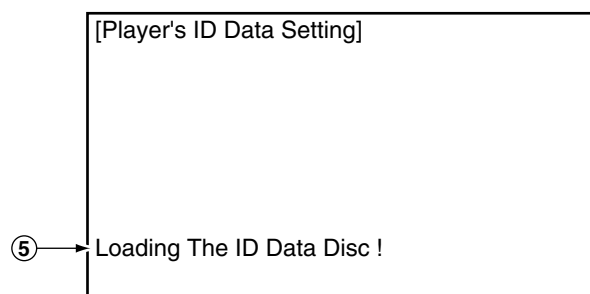
- ③ After inputting the number, press **SEARCH** to register the ID number.



- ④ When the ID number has been registered, the unit enters the ID data input mode. (The FL display indicates "NO ID DATA.")
In this condition, place the ID data disc on the tray and close the tray using the OPEN/CLOSE key on the player.



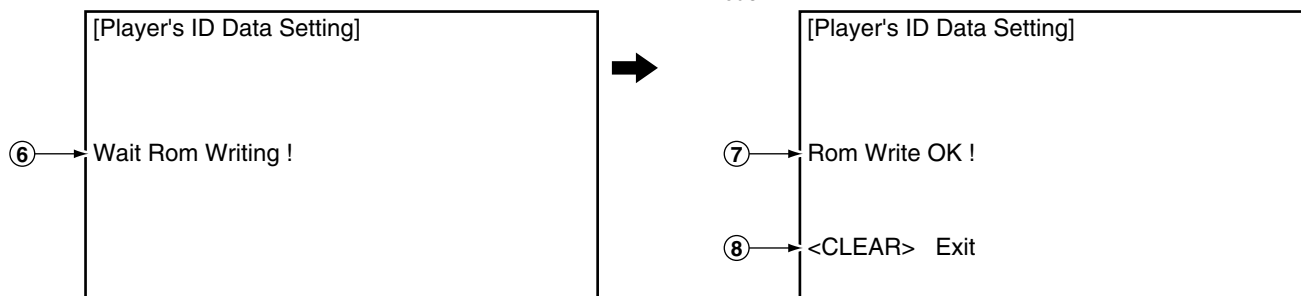
- ⑤ While the data are being read, the message shown in the figure at left is displayed on the screen.
(The FL display indicates "RD ID DATA.")



- ⑥ When the ID data have been read, the data are written to the FLASH-ROM.
(The FL display indicates "WR ID DATA.")

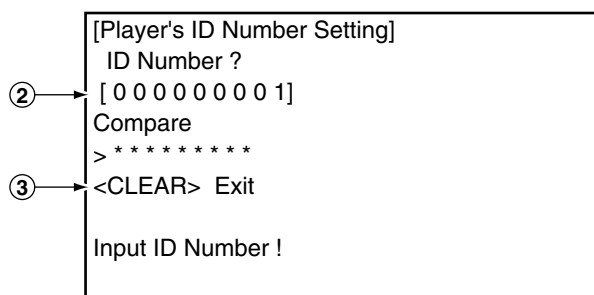
- ⑦ When the ID data have been written to the FLASH-ROM, the message "Rom Write OK" is displayed on the screen.
(The FL display indicates "ID DATA OK.")

- ⑧ After confirming this message, press **CLEAR** to exit the input mode.



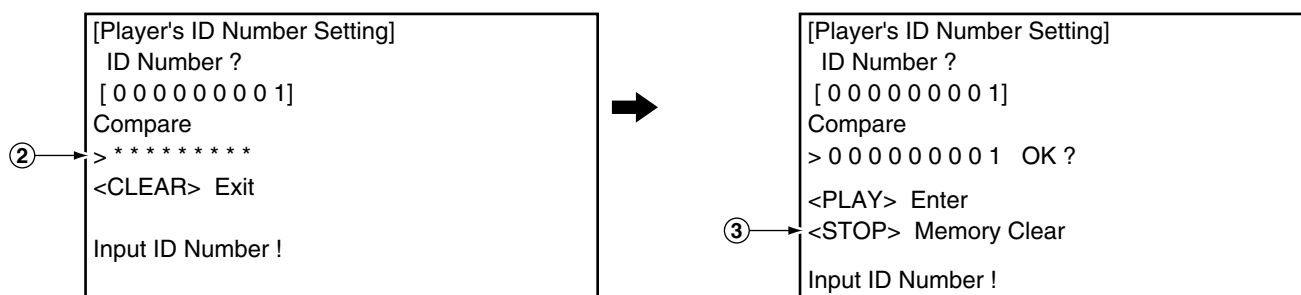
■ How to Confirm the ID Number (FLASH-ROM)

- ① Operate *A1 with an ID number set, and the unit enters the ID number confirmation mode.
② The set ID number is displayed on the screen (and on the FL display), permitting you to confirm it.
③ To exit this mode, press **CLEAR**.



■ How to Clear the ID Number (FLASH-ROM)

- ① Operate *A1 with an ID number set, and the unit enters the ID number confirmation mode.
② Input the same number as the ID number you have set.
③ After inputting the number, press **STOP**.
Only when the entered number matches the set ID number, the ID number is cleared and the unit exits this mode.
If the numbers do not match, you must return to step 2.
(**STOP** is not accepted until 9 digits are entered.)



How to confirm the ID Number. (EEP ROM)

1. Press **PLAY** + **PAUSE** of player, and the unit enter the ID number confirmation mode.
2. The set ID number is on the FL display. (9 digit numbers)
3. If the ID number of 9 digit is not inputted, it is displayed as “_____”.

How to clear the ID number. (EEP ROM)

1. Press **PLAY** + **PAUSE** of player, and the unit enter the ID number confirmation mode.
2. The set ID number is on the FL display. (9 digit numbers)
3. The following operation is carried out while the ID number is displayed.
 - a Press PAUSE + STOP of remote control.
 - b Input 1, 2 and 1 by remote control.
 - c Press CLEAR key of remote control.
4. Since it is displayed on FL display as “ERASE SURE”, if CLEAR is pushed once again, ID number memorized by EEP ROM will be eliminated.

This model has not test terminal.
Please use following points when checking the RF, FE and TE, etc..

Please use following points when checking the RF, FE and TE, etc..



TP1 : FE
TP2 : GNDS
TP3 : RFO
TP4 : SREQ
TP5 : 3V
TP6 : TE
TP7 : VREF
TP8 : FDO

SIDE A

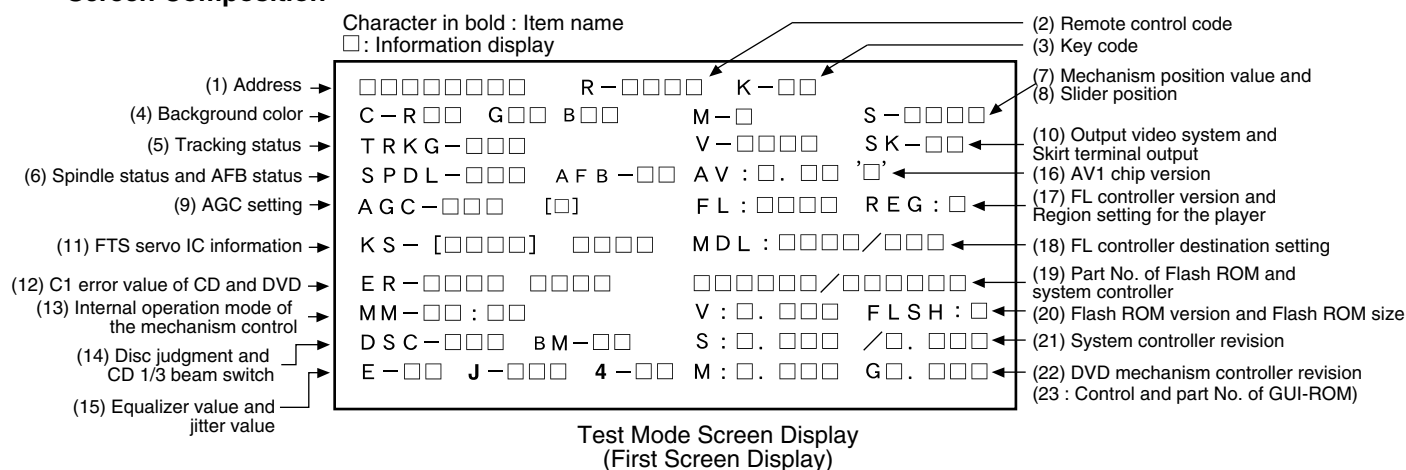
7.1.3 TEST MODE SCREEN DISPLAY

When the test mode is entered, power on of player while press the **PLAY** button and the **STOP** button of the player.

Consecutive double-OSD display is supported during test mode. The screen is composed 10 lines with a maximum of 32 characters per line. It can't be used with the debugging display mode together.

(Displayed on FL display as "TEST 2")

• Screen Composition



Caution :

The first screen and second screen switch by pressing [DISPLAY] key of the remote control unit.

It is only a version display part on the lower right of the screen those contents of display change.

ATB : ON/OFF information display and AGC manual setting display deleted with the second generation.

The displays of Tilt error value, Tilt servo status and pickup DVD/CLD display deleted with the third generation becomes LD part is deleted.

• Description of Each Item on the Display

(1) Address indication

The address being traced is displayed in number.

DVD : ID indication (hexadecimal number, 8 digits)

[* * * * * * * *]

CD : A-TIME (min. sec.) [0 0 0 0 * * * *]

(Note : For DVDs, decimal-number indication is possible.)

(2) Code indication of the remote control unit [R - * * * *]

The code for the key pressed on the remote control unit, which is received by the FL controller, is displayed while the key is pressed. In the case of the double code, the second code will be displayed.

(3) Key code indication for the main unit [K - * *]

The code for the key pressed on the main unit, which is received by the system controller, is displayed while the key is pressed.

(4) Background color indication [C - R * * G * * B * *]

(5) ① Tracking status [TRKG - * * *]

Tracking on [ON]

Tracking off [OFF]

② Laser diode current value [LDI - * * *]

(6) ① Spindle status [SPDL - * * *]

Spindle accelerator and brake, free-running [A/B]

FG servo [FG]

Rough, velocity phase servo [SRV]

Offset addition, rough, velocity phase servo [O_S]

② AFB status [AFB - * *]

ON [ON]

OFF [OFF]

(7) Mechanism position value [M - *]

Position code [1] to [3]

(8) Slider position [S - * * * *]

CD TOC area [IN]

CD active area [CD]

(9) AGC setting [AGC - * *]

AGC on [AGC-ON]

AGC off [AGC-OFF]

(10) Output video system [V – * * * *]

| | |
|--------------|--------|
| NTSC system | [NTSC] |
| PAL system | [PAL] |
| Auto-setting | [AUTO] |

Skirt terminal output [SK – * *]

| | |
|---------|------|
| VIDEO | [00] |
| S-VIDEO | [01] |
| RGB | [02] |

Note : Display only the model which can do the output setting of skirt terminal.

(11) FTS servo IC information

DSP coefficient indication [KS – [* * * *] * * * *]

Displays the address (four digits) of the specified coefficient and the setting value (four digits) with [TEST] and [9] keys.

(12) Error rate indication

- ① C1 error value of CD [ER – C1 * * * *]
- ② C1 error value of DVD [ER – * * * * * * * *]

(13) Internal operation mode of mechanism controller

[MM – * * : * *]

Internal mechanism mode (2 digits) and internal mechanism step (2 digits) of the mechanism controller

(14) ① Disk sensing [DSC – * * *]

The type of discs loaded is displayed.

[DVD], [CD], [VCD], []

② CD 1/3 beam switch [BM – * *]**(15) ① Equalizer value [E – * *]****② Jitter value [J – * *]**

Make the jitter four times, and renew it in every one second. [4 – * *]

CD is effective only in the jitter value.

(16) Version of the AV-1 chip [AV : * . * * ' * ']**(17) ① Version of the FL controller [FL : * * * *]****② Region setting of the player [REG : *]**

Setting value [1] to [6]

(18) Destination setting of the FL controller

[MDL : * * * * / * * *]

Four characters in the front represent the type of model :
three characters in the back represent the destination code.

J : /F version

K : /U version

R : /A/C/L/S versions

WY : /N version

(19) The part number of the flash ROM and system controller [* * * * * / * * * * * * * *]

- ① Part number of the flash ROM <Front>

(Example) VYW1536-A = W1536A

(Example) PD6256A9 = 6256A9

- ② Part number of the system controller <Back>

(Example) PD3381T1 = 3381T1

(20) ① Version of the flash ROM [V : * . * * *]**② Flash ROM size [FLSH = *]****(21) Revision of the system controller [S : * . * * * / * . * *]**

- ① Revision number of the external ROM part (flash ROM) of the system controller <Front>

- ② Revision of the internal ROM part of the system controller <Back>

(22) Revision of the DVD mechanism controller

[M : * . * * *]

Revision number of the external ROM part (flash ROM) of the DVD mechanism controller

(23) Control and part numbers of the GUI-ROM

[GUI : * * * *]

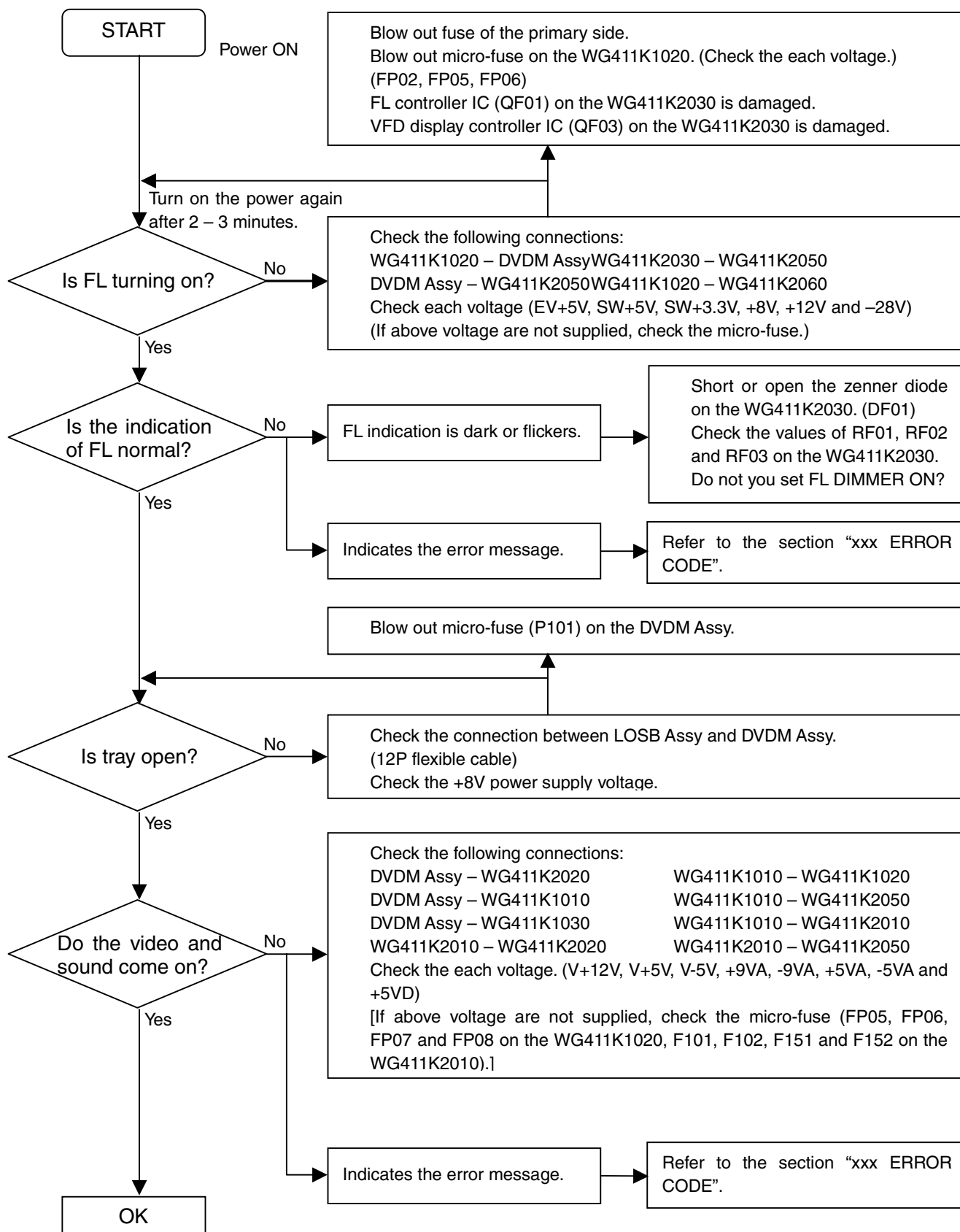
No GUI model displays as "—/ —".

OEM model displays the part number of GUI-ROM

[GUI : * * * *]

TROUBLE SHOOTING

No Power ON
FL in not turned ON
FL indication is unusual



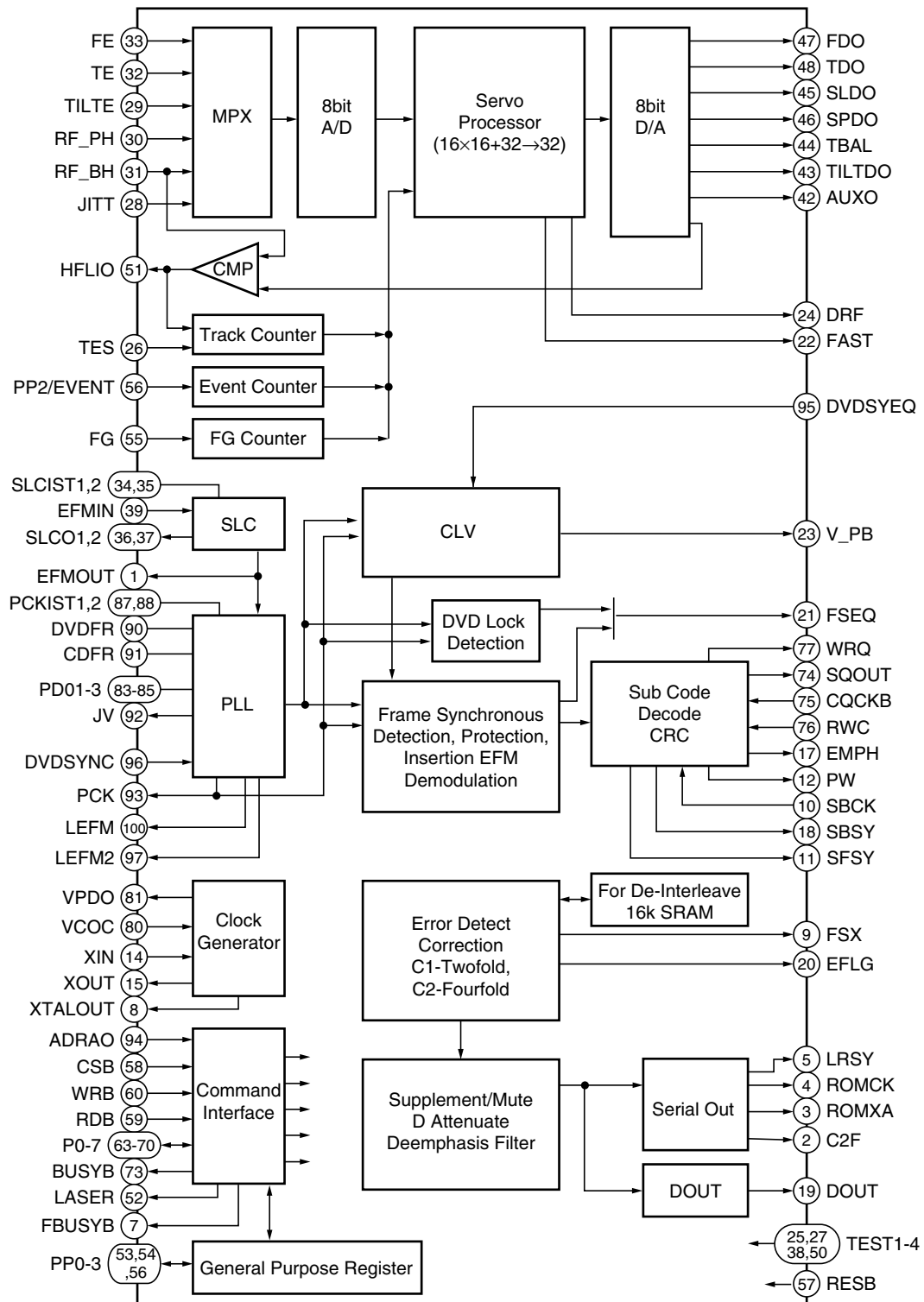
ERROR CODE

Error codes that are displayed on the FL display without using the remote control unit

| FL Display | Possible causes | Operation of the unit |
|------------|---|--|
| AV1 VER | AV-1 chip is not a match with the program of system controller | The sound may not out with the specific audio. |
| CPU AERR | CPU address error (Hardware is unusual.) | No operation |
| DMA AERR | DMA address error (Hardware is unusual.) | No operation |
| FLASH ID | Difference in versions of the internal ROM of the system controller and of the flash ROM, or bus line failure or reverse installation | No operation |
| FLASH WRP | Write protect error of the flash ROM | No operation |
| FLASH SIG | Difference in part number of the flash ROM (When the ROM which could't be used was used.) | No operation |
| FLASH SUM | Check sum error of the flash ROM (It exceeds the regular size.) or reverse installation (Hardware is unusual.) | No operation |
| FLASH SIZE | Size error of the flash ROM (Use 4 or 8 M-bit.) | No operation |
| ILLGAL | The system controller fetched a code other than an operation code (Hardware is unusual.) | No operation |
| RESERVE | Undefined interrupt (Hardware is unusual.) | No operation |
| SLOT | Inappropriate slot command issued (Hardware is unusual.) | No operation |

IC DATA

LC78652W (DVDM ASSY : IC201)



LC78652W (DVDM ASSY : IC201)

| No. | Pin Name | I/O | Function |
|-----|----------|-----|--|
| 1 | EFMOUT | O | Output the state that was binary-stated value EFM |
| 2 | C2F | O | C2 flag output |
| 3 | ROMXA | O | CD-ROM data output |
| 4 | ROMCK | O | Shift clock output for CD-ROM data output |
| 5 | LRSY | O | L/R clock output for CD-ROM data output |
| 6 | PP3 | I/O | General-purpose port input/output / DVD sync. signal input N ch-OD output |
| 7 | FBUSYB | O | Busy signal output of DSP process operation N ch-OD output |
| 8 | XTALOUT | O | External system clock output |
| 9 | FSX | O | CD 1 frame sync. signal output |
| 10 | SBCK | I | Subcode reading out clock input |
| 11 | SFSY | O | Frame sync. signal output of subcode |
| 12 | PW | O | Subcode P, Q, R, S, T, U, V and W output |
| 13 | VSS | – | GND pin |
| 14 | XIN | I | Connect a crystal resonator (16.9344MHz) |
| 15 | XOUT | O | Connect a crystal resonator |
| 16 | DVDD1 | – | 3.3V power supply of the oscillation circuit |
| 17 | EMPH | O | Monitor pin of the deemphasis |
| 18 | SBSY | O | Sync. signal output of the subcode block |
| 19 | DOUT | O | Audio EIAJ data output |
| 20 | EFLG | O | Error correction state monitor of the error correction C1 and C2 |
| 21 | FSEQ | O | Detection monitor of the CD/DVD frame sync. signal |
| 22 | FAST | O | Playback speed monitor N ch-OD output |
| 23 | V_PB | O | Monitor output of the rough servo/CLV control |
| 24 | DRF | O | In focus monitor |
| 25 | TEST3 | I | Test input 3 |
| 26 | TES | I | Tracking error signal input |
| 27 | TEST2 | I | Test input 2 |
| 28 | JITT | I | Jitter quantity detecting signal input of EFM PLL |
| 29 | TILTE | I | Tilt error signal input |
| 30 | RF_PH | I | RF peak hold signal input |
| 31 | RF_BH | I | RF bottom hold signal input |
| 32 | TE | I | Tracking error signal input |
| 33 | FE | I | Focus error signal input |
| 34 | SLCIST1 | – | Current setting pin 1 of the constant current charge pump for SLC |
| 35 | SLCIST2 | – | Current setting pin 2 of the constant current charge pump for SLC |
| 36 | SLCO1 | O | Control output 1 for SLC |
| 37 | SLCO2 | O | Control output 2 for SLC |
| 38 | TEST1 | I | Test input 1 |
| 39 | EFMIN | I | EFM/EFM + input |
| 40 | AVDD | – | 5V power supply of A/D and D/A for servo |
| 41 | AVSS | – | GND of A/D and D/A for servo |
| 42 | AUXO | O | DA auxiliary output |
| 43 | TILTDO | O | Tilt control signal output |
| 44 | TBAL | O | Tracking balance control signal output |
| 45 | SLDO | O | Sled control signal output |
| 46 | SPDO | O | Spindle control signal output |
| 47 | FDO | O | Focus control signal output |
| 48 | TDO | O | Tracking control signal output |
| 49 | VREF | – | Reference level of D/A for servo |
| 50 | TEST4 | I | Test input 4 |

LC78652W (DVDM ASSY : IC201)

| No. | Pin Name | I/O | Pin Function |
|-----|-------------|-----|---|
| 51 | HFLIO | I/O | Mirror detection signal input/output |
| 52 | LASER | O | Output pin for laser ON/OFF control |
| 53 | PP0/DVD_CDB | I/O | General-purpose port input/output / Disc discrimination signal output |
| 54 | PP1/CRCERRB | I/O | General-purpose port input/output / Subcode CRC result signal output |
| 55 | FG | I | FG counter input |
| 56 | PP2/EVENT | I/O | General-purpose port input/output / Event counter input |
| 57 | RESB | I | Reset input |
| 58 | CSB | I | Chip select input |
| 59 | RDB | I | Internal state reading signal input |
| 60 | WRB | I | Command / data writing signal input |
| 61 | DVDD2 | – | 5V power supply |
| 62 | VSS | – | GND |
| 63 | P0 | I/O | Command / data input/output |
| 64 | P1 | | |
| 65 | P2 | | |
| 66 | P3 | | |
| 67 | P4 | | |
| 68 | P5 | | |
| 69 | P6 | | |
| 70 | P7 | | |
| 71 | VSS | – | GND |
| 72 | DVDD1 | – | 3.3V power supply for internal |
| 73 | BUSYB | O | Busy signal output of command process |
| 74 | SQOUT | O | Serial output of subcode Q |
| 75 | CQCKB | I | Shift clock input for subcode Q data output |
| 76 | RWC | I | Update permission input of subcode Q |
| 77 | WRQ | O | Read out ready monitor of subcode Q |
| 78 | AVSS | – | PLL GND for internal system clock |
| 79 | VRPFR | – | VCO oscillation range setting of PLL for system clock |
| 80 | VCOC | I | Connect a PLL filter for system clock |
| 81 | VPDO | O | |
| 82 | AVDD | – | PLL 5V power supply for system clock |
| 83 | PDO1 | I/O | PLL filter connection pin 1 for EFM playback |
| 84 | PDO2 | I/O | PLL filter connection pin 2 for EFM playback |
| 85 | PDO3 | I/O | PLL filter connection pin 3 for EFM playback |
| 86 | AVSS | – | PLL GND for EFM playback |
| 87 | PCKIST1 | – | Current setting 1 of PLL constant current charge pump for EFM playback |
| 88 | PCKIST2 | – | Current setting 2 of PLL constant current charge pump for EFM playback |
| 89 | AVDD | – | PLL 5V power supply for EFM playback |
| 90 | DVDFR | – | VCO oscillation range setting of PLL for EFM playback 1 |
| 91 | CDFR | – | VCO oscillation range setting of PLL for EFM playback 2 |
| 92 | JV | O | Jitter output of PLL clock for EFM playback |
| 93 | PCK | O | Bit clock output for EFM playback |
| 94 | ADRAO | I | Address input |
| 95 | DVDSYEQ | I | DVD synchronize pulse input |
| 96 | DVDSYNC | I | DVD synchronous signal input |
| 97 | LEFM2 | O | Output the state that cut and out a signal which was binary-stated value EFM with PCK 2 |
| 98 | DVDD1 | – | 3.3V power supply for I/O |
| 99 | VSS | – | GND |
| 100 | LEFM | O | Output the state that cut and out a signal which was binary-stated value EFM with PCK 1 |

PD3410A (DVDM ASSY : IC601)

| No. | Mark | Pin Name | I/O | Function |
|-----|------------|----------|-----|--|
| 1 | XCS3/XCASL | XCS3 | O | PE5108A (BY CHIP) chip select signal output |
| 2 | GND | GND | – | GND |
| 3 | CK | HCPUCK | O | N.C. |
| 4 | VCC | V+3D | – | V+3D |
| 5 | PICLK | – | I/O | N.C. |
| 6 | PIDATA | – | I/O | N.C. |
| 7 | GND | GND | – | GND |
| 8 | PORTH0 | – | O | N.C. |
| 9 | PORTH1 | – | O | N.C. |
| 10 | PORTH2 | 36MVH | O | Clock generator |
| 11 | PORTH3 | V_SEL2 | O | Composite/S switching signal output of the skirt terminal [WY model] |
| 12 | VCC | V+3D | – | V+3D |
| 13 | PORTH4 | – | O | N.C. |
| 14 | PORTH5 | – | O | N.C. |
| 15 | PORTH6 | – | O | N.C. |
| 16 | PORTH7 | – | O | N.C. |
| 17 | GND | GND | – | GND |
| 18 | EXTAL | EXTAL | I | Connect a ceramic resonator |
| 19 | XTAL | XTAL | O | |
| 20 | VCC | V+3D | – | V+3D |
| 21 | PORTG0 | XCSDF0 | O | DAC chip select signal output (←XLAT3) |
| 22 | PORTG1 | – | O | N.C. |
| 23 | PORTG2 | – | O | N.C. |
| 24 | PORTG3 | – | O | N.C. |
| 25 | PORTG4 | – | O | N.C. |
| 26 | GND | GND | – | GND |
| 27 | PORTG5 | – | O | N.C. |
| 28 | PORTG6 | – | O | N.C. |
| 29 | PORTG7 | XAMUTE | O | Last stage mute signal output of the audio |
| 30 | PORTF0 | 44X48 | O | DAC 44/48 FS switching signal output |
| 31 | PORTF1 | – | I | N.C. |
| 32 | PORTF2 | 3DON | O | 3D audio ON/bypass switching signal output |
| 33 | VCC | V+3D | – | V+3D |
| 34 | PORTF3 | XCSADSP0 | I | CD deck synchronous input |
| 35 | PORTF4 | XAVSRST | O | Sync. reset port |
| 36 | PORTF5 | – | O | N.C. |

PD3410A (DVDM ASSY : IC601)

| No. | Mark | Pin Name | I/O | Function |
|-----|------------|----------|-----|---|
| 37 | PORTF6 | – | O | N.C. |
| 38 | PORTF7 | XCSVE | O | Serial communication enable signal output of the video encoder [WY model] |
| 39 | GND | GND | – | GND |
| 40 | AVSS | GND | – | GND |
| 41 | AVCC | V+3D | – | V+3D |
| 42 | OUTA_P | LODRV | O | Loading drive output |
| 43 | VREF | V+3D | – | V+3D |
| 44 | OUTB_P | TEI | O | Tracking offset signal output |
| 45 | AVSS | GND | – | GND |
| 46 | AVSS | GND | – | GND |
| 47 | PORTE0 | V_SEL | O | Component/composite switching signal output |
| 48 | PORTE1 | – | I | N.C. |
| 49 | PORTE2 | – | I | N.C. |
| 50 | PORTE3 | FOFST1 | I/O | Focus offset adjustment output 1 |
| 51 | PORTE4 | FOFST2 | I/O | Focus offset adjustment output 2 |
| 52 | PORTE5 | XDFINH | I/O | Defect shunt signal output |
| 53 | PORTE6 | DVD/XCD | O | DVD/CD switching signal output |
| 54 | PORTE7 | LD1_ON | O | 650 nm laser diode ON signal output |
| 55 | PORTD0 | LD2_ON | O | 780 nm laser diode ON signal output |
| 56 | VCC | V+3D | – | V+3D |
| 57 | PORTD1 | DPD/TE | O | 1 beam/3 beams switching signal output |
| 58 | PORTD2 | AGOFF | O | AGC ON/OFF switching signal output of RF IC |
| 59 | PORTD3 | XCD2X | O | Signal output for switching the double speed playback (VCD) |
| 60 | PORTD4 | OEICG | O | OEIC gain switching signal output |
| 61 | GND | GND | – | GND |
| 62 | PORTD5 | XMON | O | ON/OFF switching signal output of the spindle motor control output |
| 63 | PORTD6 | – | O | N.C. |
| 64 | PORTD7 | – | I | N.C. |
| 65 | PORTJ0 | XDRV MUT | O | Driver mute output |
| 66 | PORTJ1 | – | O | N.C. |
| 67 | PORTJ2 | XDSPRST | O | Servo DSP reset |
| 68 | PORTJ3 | – | I | N.C. |
| 69 | VCC | V+3D | – | V+3D |
| 70 | PORTJ4 | TM_ENT | I | Test mode entry |
| 71 | PORTJ5 | – | O | N.C. |
| 72 | PORTJ6 | VSEL_SW | I | Component/composite SW input |
| 73 | PORTJ7 | – | I | N.C. |
| 74 | PB0/TIOCA2 | XCBUSY | I | Command busy input |
| 75 | PB1/TIOCB2 | XABUSY | I | Auto-sequence busy input |
| 76 | PB2/TIOCA3 | XINT2 | I | Interrupt input 2 (AV-1) |
| 77 | VCC | V+3D | – | V+3D |
| 78 | PB3/TIOCB3 | LT1 | O | Communication response signal output to the FL controller |
| 79 | PB4/TIOCA4 | SBSY | I | Subcode block sync. input |
| 80 | XMTEST | – | I | Test terminal (V+3D) |
| 81 | XCPUMD | – | I | Test terminal (V+3D) |
| 82 | XRES | XRESET | I | Reset input |

PD3410A (DVDM ASSY : IC601)

| No. | Mark | Pin Name | I/O | Function |
|-----|-----------------------------|----------|-----|--|
| 83 | GND | GND | – | GND |
| 84 | AN0 | LODPOS | I | Loading position input |
| 85 | AN1 | SLDPOS | I | Slider position input |
| 86 | AN2 | – | I | N.C. |
| 87 | AN3 | NAP_SW | I | NTSC/AUTO/PAL SW input |
| 88 | AN4 | XOEM | I | Input terminal of OEM model protection |
| 89 | AN5 | LDDEAD | I | Input for LD current value display |
| 90 | AN6 | – | I | N.C. |
| 91 | AN7 | – | I | N.C. |
| 92 | Avref | V+3D | – | V+3D |
| 93 | AVCC | V+3D | – | V+3D |
| 94 | AVSS | GND | – | GND |
| 95 | PB5/TIOCB4 | – | I | N.C. |
| 96 | PB6/TIOXA4/TCLKC | C2F | I | C2 error input |
| 97 | PB7/TIOXB4/TCLKD | XRDY | I | Communication request input from the FL controller |
| 98 | PB8/RxD0 | SSI | I | Serial data input (FL controller) |
| 99 | PB9/TxD0 | SSO | O | Serial data output (FL controller) |
| 100 | VCC | V+3D | – | V+3D |
| 101 | PB10/RxD1 | RXD | I | Data input of the RS-232C |
| 102 | PB11/TxD1 | TXD | O | Data output of the RS-232C |
| 103 | PB12/XIRQ4/SCK0 | SSCK | I/O | Serial clock output (FL controller) |
| 104 | PB13/XIRQ5/SCK1 | XIRQL10 | I | Interrupt input #0 (BY CHIP) |
| 105 | GND | GND | – | GND |
| 106 | PB14/XIRQ6 | XIRQL11 | I | Interrupt input #1 (BY CHIP) |
| 107 | PB15/XIRQ7 | XINT0 | I | Interrupt input #0 (AV-1) |
| 108 | PA0/XCS4/TIOCA0 | XCS4 | O | Servo DSP chip select signal output |
| 109 | PA1/XCS5/XRAS | – | O | N.C. |
| 110 | PA2/XCS6/TIOCB0 | XCS6 | O | AV-1 chip select signal output |
| 111 | XWAIT | XWAIT | I | Wait signal input |
| 112 | XWRL | XWRL | O | Write pulse output L |
| 113 | GND | GND | – | GND |
| 114 | XWRH | XWRH | O | Write pulse output H |
| 115 | XRD | XRD | O | Read pulse output |
| 116 | PA7/XBACK | XCURDET | I | Over-current detection signal input |
| 117 | PA8/XBREQ | CTS | I | RS-232C transfer permit input |
| 118 | PA9/XAH/XIRQOUT/ XADTRG | DTR | O | RS-232C transfer permit output |
| 119 | PA10/DPL/TIOCA1 | XINT1 | I | Interrupt input 1 (AV-1) |
| 120 | PA11/DPH/TIOCB1 | THLD | I | Tracking hold signal input |
| 121 | VCC | V+3D | – | V+3D |
| 122 | PA12/XIRQ0/DACK0/ TCLKA | DACK0 | O | DMA response output (BY CHIP) |
| 123 | PA13/XIRQ1/ XDREQ0/TCLKB | XDREQ0 | I | DMA request input (BY CHIP) |
| 124 | PA14/XIRQ2/XDACK1 | XDACK1 | O | DMA response output (AV-1) |
| 125 | PA15/XIRQ3/XDREQ1 | XDREQ1 | I | DMA request input (AV-1) |
| 126 | AD0 | D0 | I/O | Data bus 0 |

PD3410A (DVDM ASSY : IC601)

| No. | Mark | Pin Name | I/O | Function |
|-----|-----------|----------|-----|--|
| 127 | GND | GND | – | GND |
| 128 | AD1 | D1 | I/O | Data bus 1 |
| 129 | AD2 | D2 | I/O | Data bus 2 |
| 130 | AD3 | D3 | I/O | Data bus 3 |
| 131 | AD4 | D4 | I/O | Data bus 4 |
| 132 | AD5 | D5 | I/O | Data bus 5 |
| 133 | AD6 | D6 | I/O | Data bus 6 |
| 134 | VCC | V+3D | – | V+3D |
| 135 | AD7 | D7 | I/O | Data bus 7 |
| 136 | AD8 | D8 | I/O | Data bus 8 |
| 137 | AD9 | D9 | I/O | Data bus 9 |
| 138 | AD10 | D10 | I/O | Data bus 10 |
| 139 | GND | GND | – | GND |
| 140 | AD11 | D11 | I/O | Data bus 11 |
| 141 | AD12 | D12 | I/O | Data bus 12 |
| 142 | AD13 | D13 | I/O | Data bus 13 |
| 143 | AD14 | D14 | I/O | Data bus 14 |
| 144 | VCC | V+3D | – | V+3D |
| 145 | AD15 | D15 | I/O | Data bus 15 |
| 146 | A0 (XHBS) | A0 | O | Address bus 0 |
| 147 | A1 | A1 | O | Address bus 1 |
| 148 | A2 | A2 | O | Address bus 2 |
| 149 | GND | GND | – | GND |
| 150 | A3 | A3 | O | Address bus 3 |
| 151 | A4 | A4 | O | Address bus 4 |
| 152 | A5 | A5 | O | Address bus 5 |
| 153 | A6 | A6 | O | Address bus 6 |
| 154 | A7 | A7 | O | Address bus 7 |
| 155 | A8 | A8 | O | Address bus 8 |
| 156 | A9 | A9 | O | Address bus 9 |
| 157 | A10 | A10 | O | Address bus 10 |
| 158 | A11 | A11 | O | Address bus 11 |
| 159 | A12 | A12 | O | Address bus 12 |
| 160 | A13 | A13 | O | Address bus 13 |
| 161 | A14 | A14 | O | Address bus 14 |
| 162 | A15 | A15 | O | Address bus 15 |
| 163 | A16 | A16 | O | Address bus 16 |
| 164 | A17 | A17 | O | Address bus 17 |
| 165 | VCC | V+3D | – | V+3D |
| 166 | A18 | A18 | O | Address bus 18 |
| 167 | A19 | A19 | O | Address bus 19 |
| 168 | A20 | A20 | O | Address bus 20 |
| 169 | A21 | A21 | O | N.C. |
| 170 | XNMI | XNMI | I | V+3D |
| 171 | GND | GND | – | GND |
| 172 | XCS10 | – | O | N.C. |
| 173 | XCS20 | XCS20 | O | Chip select signal output of the flash ROM |
| 174 | XCS22 | – | O | Chip select signal output of the GUI ROM [OEM model] |
| 175 | XCS23 | XCS23 | O | Chip select signal output of the SRAM |
| 176 | XCS2 | – | O | N.C. |

PM0024AF (DVDM ASSY : IC1001)

| No. | Pin Name | I/O | Pin Function |
|-----|----------|-----|---|
| 1 | GND_00 | – | Ground Connect to reference voltage (0V). |
| 2 | CLK27I | I | External clock (27MHz) input |
| 3 | VDD_00 | – | Power supply Connect to 3.3V. |
| 4 | T_03 | I | Test mode cntrol input Connect to GND. |
| 5 | T_04 | | |
| 6 | T_05 | | |
| 7 | T_06 | | |
| 8 | T_07 | | |
| 9 | TEST_1 | I | Test mode cntrol input Connect to GND. |
| 10 | XVSYNC | I/O | Vertical sync. signal input Outputs at Master mode and inputs at Slave mode (set with the register). Negative polarity |
| 11 | XHSYNC | I/O | Horizontal sync. signal input Outputs at Master mode and inputs at Slave mode (set with the register). Negative polarity |
| 12 | VCC_S00 | – | Power supply Connect to 3.3V. |
| 13 | GND_S00 | – | Ground Connect to reference voltage (0V). |
| 14 | XIN | I | Connect a crystal resonator (27MHz) |
| 15 | XOUT | O | Connect a crystal resonator (27MHz) |
| 16 | GND_01 | – | Ground Connect to reference voltage (0V). |
| 17 | VI_0 | I | (LSB) |
| 18 | VI_1 | | Video data input |
| 19 | VI_2 | | |
| 20 | VI_3 | | |
| 21 | VI_4 | | |
| 22 | VI_5 | | |
| 23 | VI_6 | | |
| 24 | VI_7 | | (MSB) |
| 25 | T_08 | I | Test mode cntrol input Connect to GND. |
| 26 | GND_S01 | – | Ground Connect to reference voltage (0V). |
| 27 | T_09 | I | Test mode cntrol input Connect to GND. |
| 28 | T_10 | | |
| 29 | VDD_01 | – | Power supply Connect to 3.3V. |
| 30 | OSDCK | O | Signal output for external OSD |
| 31 | OSDHSYB | O | Horizontal sync. signal output for external OSD Negative polarity |
| 32 | OSDVSYB | O | Vertical sync. signal output for external OSD Negative polarity |
| 33 | GND_02 | – | Ground Connect to reference voltage (0V). |
| 34 | CTA_0 | I | OSD data input |
| 35 | CTA_1 | | |
| 36 | CTA_2 | | |
| 37 | SG16M | I | SGRAM capacity change input terminal |
| 38 | BLD_0 | I | OSD blend control input |
| 39 | BLD_1 | | |
| 40 | VCC_S01 | – | Power supply Connect to 3.3V. |
| 41 | GND_S02 | – | Ground Connect to reference voltage (0V). |
| 42 | RMO_0 | O | Register monitor output (SPR[0]) |
| 43 | RMO_1 | | Register monitor output (SPR[1]) |
| 44 | RMO_2 | | Register monitor output (SPR[2]) |
| 45 | RMO_3 | | Register monitor output (SPR[3]) |
| 46 | RMO_4 | | Register monitor output (SPR[4]) |
| 47 | GND_AGB0 | – | Ground for Guard band Connect to reference voltage (0V). |
| 48 | VDD_DAC2 | – | Power supply for DAC2 Connect to 3.3V. |
| 49 | GND_DAC1 | – | Ground for DAC1 Connect to reference voltage (0V). |
| 50 | DAOUT1 | O | DAC1 output |

PM0024AF (DVDM ASSY : IC1001)

| No. | Pin Name | I/O | Pin Function |
|-----|----------|-----|--|
| 51 | VDD_DAC2 | – | Power supply for DAC2 Connect to 3.3V. |
| 52 | GND_DAC2 | – | Ground for DAC1 Connect to reference voltage (0V). |
| 53 | DAOUT2 | O | DAC2 output |
| 54 | VDD_DAC3 | – | Power supply for DAC3 Connect to 3.3V. |
| 55 | DAOUT3 | O | DAC3 output |
| 56 | GND_DAC3 | – | Ground for DAC3 Connect to reference voltage (0V). |
| 57 | REXT | – | Connect a reference resistor Connect a 3.1 (3.0) k Ω resistor to GND. |
| 58 | CBL | – | Connect a by-pass capacitor Connect a 0.1 μ F capacitor to GND. |
| 59 | CBU | – | Connect a phase compensation capacitor |
| 60 | GND_AGB1 | – | Ground for Guard Band Connect to reference voltage (0V). |
| 61 | RMO_5 | O | Register monitor output (SPR[5]) |
| 62 | RMO_6 | | Register monitor output |
| 63 | RMO_7 | | Register monitor output |
| 64 | VCC_S02 | – | Power supply Connect to 3.3V. |
| 65 | GND_S03 | – | Ground for DAC1 Connect to reference voltage (0V). |
| 66 | T_11 | I | Test mode cntrol input Connect to GND. |
| 67 | T_12 | | |
| 68 | T_13 | | |
| 69 | T_14 | | |
| 70 | T_15 | | |
| 71 | VSY01 | O | Vertical sync. analog signal output Negative polarity |
| 72 | HSY01 | O | Horizontal sync. analog signal output Negative polarity |
| 73 | CSY01 | O | Compound sync. analog signal output Negative polarity |
| 74 | CLMP1 | O | Clamp. analog signal output |
| 75 | CLMP2 | O | Clamp. digital signal output |
| 76 | VDD_02 | – | Power supply Connect to 3.3V. |
| 77 | VSY02 | O | Vertical sync. digital signal output Negative polarity |
| 78 | GND_S04 | – | Ground Connect to reference voltage (0V). |
| 79 | HSY02 | O | Horizontal sync. digital signal output Negative polarity |
| 80 | CSY02 | O | Vertical sync. digital signal output Negative polarity |
| 81 | V01_0 | O | (LSB) |
| 82 | V01_1 | | Video data1 output |
| 83 | V01_2 | | |
| 84 | V01_3 | | |
| 85 | V01_4 | | |
| 86 | GND_03 | – | Ground Connect to reference voltage (0V). |
| 87 | V01_5 | O | Video data1 output |
| 88 | V01_6 | | |
| 89 | V01_7 | | |
| 90 | V01_8 | | |
| 91 | V01_9 | | (MSB) |
| 92 | VCC_S03 | – | Power supply Connect to 3.3V. |
| 93 | GND_S05 | – | Ground Connect to reference voltage (0V). |
| 94 | V02_0 | O | (LSB) |
| 95 | V02_1 | | Video data2 output |
| 96 | V02_2 | | |
| 97 | V02_3 | | |
| 98 | V02_4 | | |
| 99 | GND_04 | – | Ground Connect to reference voltage (0V). |
| 100 | V02_5 | O | Video data2 output |

PM0024AF (DVDM ASSY : IC1001)

| No. | Pin Name | I/O | Pin Function |
|-----|----------|-----|---|
| 101 | V02_6 | O | Video data2 output (MSB) |
| 102 | V02_7 | | |
| 103 | V02_8 | | |
| 104 | V02_9 | | |
| 105 | VDD_03 | – | Power supply Connect to 3.3V. |
| 106 | GND_05 | – | Ground Connect to reference voltage (0V). |
| 107 | V03_0 | O | Video data3 output (LSB) |
| 108 | V03_1 | | |
| 109 | V03_2 | | |
| 110 | V03_3 | | |
| 111 | V03_4 | | |
| 112 | GND_06 | – | Ground Connect to reference voltage (0V). |
| 113 | V03_5 | O | Video data3 output |
| 114 | V03_6 | | |
| 115 | V03_7 | | |
| 116 | VCC_S04 | – | Power supply Connect to 3.3V. |
| 117 | GND_S06 | – | Ground Connect to reference voltage (0V). |
| 118 | V03_8 | O | Video data3 output (MSB) |
| 119 | V03_9 | | |
| 120 | CLK270 | O | External clock (27MHz) output |
| 121 | GND_07 | – | Ground Connect to reference voltage (0V). |
| 122 | GND_08 | – | Ground Connect to reference voltage (0V). |
| 123 | GND_PLL0 | – | Ground for PLL Connect to reference voltage (0V). |
| 124 | VDD_PLL0 | – | Power supply for PLL Connect to 3.3V. |
| 125 | GND_PLL1 | – | Ground for PLL Connect to reference voltage (0V). |
| 126 | VDD_PLL1 | – | Power supply for PLL Connect to 3.3V. |
| 127 | RFCLK | – | Test terminal for PLL Connect to GND or VCC (3.3V). |
| 128 | TM2 | – | Test terminal for PLL Connect to GND. |
| 129 | GND_09 | – | Ground Connect to reference voltage (0V). |
| 130 | GND_S07 | – | Ground Connect to reference voltage (0V). |
| 131 | T | I | Test pin for test mode Connect to 3.3V. |
| 132 | W | I | Test pin for writing control Connect to 3.3V. |
| 133 | VDD_04 | – | Power supply Connect to 3.3V. |
| 134 | GND_10 | – | Ground Connect to reference voltage (0V). |
| 135 | MCLKO | O | Clock (54MHz) output for SGRAM |
| 136 | MCLKI | I | Clock (54MHz) return for SGRAM |
| 137 | GND_12 | – | Ground Connect to reference voltage (0V). |
| 138 | MADR_8 | O | Address output for SGRAM |
| 139 | GND_13 | – | Ground Connect to reference voltage (0V). |
| 140 | VDD_05 | – | Power supply Connect to 3.3V. |
| 141 | MADR_7 | O | Address output for SGRAM |
| 142 | MADR_6 | | |
| 143 | MADR_5 | | |
| 144 | VCC_S05 | – | Power supply Connect to 3.3V. |
| 145 | GND_S08 | – | Ground Connect to reference voltage (0V). |
| 146 | MADR_4 | O | Address output for SGRAM (LSB) |
| 147 | MADR_3 | | |
| 148 | MADR_2 | | |
| 149 | MADR_1 | | |
| 150 | MADR_0 | | |

PM0024AF (DVDM ASSY : IC1001)

| No. | Pin Name | I/O | Pin Function |
|-----|----------|-----|---|
| 151 | MADR_9 | O | Address output for SGRAM |
| 152 | GND_14 | – | Ground Connect to reference voltage (0V). |
| 153 | MRASB | O | RAS output for SGRAM |
| 154 | MCASB | O | CAS output for SGRAM |
| 155 | MWEB | O | Writing control output for SGRAM |
| 156 | VDD_06 | – | Power supply Connect to 3.3V. |
| 157 | GND_15 | – | Ground Connect to reference voltage (0V). |
| 158 | MDQ_08 | I/O | Data input and output for SGRAM with pull-up |
| 159 | MDQ_23 | | |
| 160 | MDQ_09 | | |
| 161 | MDQ_22 | | |
| 162 | GND_16 | – | Ground Connect to reference voltage (0V). |
| 163 | MDQ_10 | I/O | Data input and output for SGRAM with pull-up |
| 164 | MDQ_21 | | |
| 165 | MDQ_11 | | |
| 166 | MDQ_20 | | |
| 167 | MDQ_12 | | |
| 168 | VCC_S06 | – | Power supply Connect to 3.3V. |
| 169 | GND_S09 | – | Ground Connect to reference voltage (0V). |
| 170 | MDQ_19 | I/O | Data input and output for SGRAM with pull-up |
| 171 | MDQ_13 | | |
| 172 | MDQ_18 | | |
| 173 | MDQ_14 | | |
| 174 | GND_17 | – | Ground Connect to reference voltage (0V). |
| 175 | MDQ_17 | I/O | Data input and output for SGRAM with pull-up |
| 176 | MDQ_15 | | |
| 177 | MDQ_16 | | |
| 178 | MDQ_24 | | |
| 179 | MDQ_07 | | |
| 180 | MDQ_25 | | |
| 181 | VDD_07 | – | Power supply Connect to 3.3V. |
| 182 | GND_S10 | – | Ground Connect to reference voltage (0V). |
| 183 | MDQ_06 | I/O | Data input and output for SGRAM with pull-up |
| 184 | MDQ_26 | | |
| 185 | MDQ_05 | | |
| 186 | MDQ_27 | | |
| 187 | MDQ_04 | | |
| 188 | GND_18 | – | Ground Connect to reference voltage (0V). |
| 189 | MDQ_28 | I/O | Data input and output for SGRAM with pull-up (MSB) |
| 190 | MDQ_03 | | |
| 191 | MDQ_29 | | |
| 192 | MDQ_02 | | |
| 193 | MDQ_30 | | |
| 194 | MDQ_01 | | |
| 195 | MDQ_31 | | |
| 196 | VCC_S07 | – | Power supply Connect to 3.3V. |
| 197 | GND_S11 | – | Ground Connect to reference voltage (0V). |
| 198 | MDQ_00 | I/O | Data input and output for SGRAM with pull-up (LSB) |
| 199 | TEST_0 | I | Test mode cntrol input Connect to GND. |
| 200 | T_00 | I | Test mode cntrol input Connect to GND. |

PM0024AF (DVDM ASSY : IC1001)

| No. | Pin Name | I/O | Pin Function |
|-----|----------|-----|--|
| 201 | GND_19 | – | Ground Connect to reference voltage (0V). |
| 202 | T_01 | I | Test mode cntrol input Connect to GND. |
| 203 | T_02 | | |
| 204 | SGLOCK | O | SSG lock output |
| 205 | SRN | I | System reset input L: reset Schmitt input |
| 206 | SCLK | I | Serial clock input for microcomputer interface Lead in SDATA at rising edge. Schmitt input |
| 207 | SDATA | I | Serial data input for microcomputer interface Schmitt input |
| 208 | CSB | I | Chip select input for microcomputer interface L: select Schmitt input |

3.4 PCB PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

• The Δ mark found on some component parts indicates the importance of the safety factor of the part.

Therefore, when replacing, be sure to use parts of identical designation.

• When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω \rightarrow 56×10^1 \rightarrow 561..... RD1/4PU 5 6 1 J

47k Ω \rightarrow 47×10^3 \rightarrow 473..... RD1/4PU 4 7 3 J

0.5 Ω \rightarrow R50..... RN2H R 5 0 K

1 Ω \rightarrow 1R0..... RS1P 1 R 0

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω \rightarrow 562×10^1 \rightarrow 5621..... RN1/4PC 5 6 2 1 F

A LOMB ASSY

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJI) |
|------|-----------------------|-------|-------------------------|-----------------------------------|-------------------------|
| NSP | | CN401 | --- | OTHERS B2B-PH-K-S KR CONNECTOR | --- |

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

B LOSB ASSY

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJI) |
|------|-----------------------|-------|-------------------------|-----------------------------------|-------------------------|
| | | S301 | 9965 000 07961 | SWITCH VSK1011 | *SM000340R |
| NSP | | CN303 | --- | OTHERS B2B-PH-K-S KR CONNECTOR | --- |
| NSP | | CN302 | --- | VKN1268 8P FFC CONNECTOR | --- |
| NSP | | CN301 | --- | VKN1272 12P FFC CONNECTOR | --- |

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

C SMEB ASSY

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJI) |
|------|-----------------------|-------|-------------------------|---------------------------------------|-------------------------|
| | | S201 | 9965 000 07962 | SWITCH DSG1016 | *SP001020R |
| NSP | | CN201 | --- | OTHERS 52044-0345 3P FFC CONNECTOR | --- |
| NSP | | CN202 | --- | VKN1212 8P FFC CONNECTOR | --- |
| NSP | | | --- | VNP1722 PC BOARD SMEB | --- |

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

D FGSB ASSY

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJI) |
|------|-----------------------|---------------|-------------------------|--------------------------|-------------------------|
| | | PC101 | 9965 000 07963 | SEMICONDUCTOR GP2S60 | *HW100500R |
| NSP | | ALL Resistors | --- | RESISTOR RS1/10S****J | --- |

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

E DVDM ASSY

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|-------------|-----------------------|-------------|-------------------------|-------------------|-------------------------|
| ▲ ▲ ▲ | /A/C/F/L/S/U | IC261 | 4822 209 14825 | BA4510F | HC10159210 |
| | | IC281 | 4822 209 14825 | BA4510F | HC10159210 |
| | | IC302 | 4822 209 14825 | BA4510F | HC10159210 |
| | | IC251 | 9965 000 11621 | BA6195FP | *HC107600R |
| | | IC1002 | 9965 000 11622 | HY58163210TQ-10F | *HC107610R |
| | | IC702 | 9965 000 11623 | K4E640812C-TC60 | *HC107620R |
| | | IC101 | 9965 000 07966 | LA9701M | *HC105850R |
| | | IC201 | 9965 000 07967 | LC78652W | *HC105860R |
| | | IC351 | 9965 000 07968 | M56788FP | *HC105870R |
| | | IC803 | 9965 000 07969 | M5M4V18165DTP-6S | *HC106040R |
| | /A/C/L/N/S | IC801 | 9965 000 11624 | M65774AFP | *HC107630R |
| | | IC805 | 9965 000 11625 | MB81F161622C-80FN | *HC107640R |
| | | IC806 | 9965 000 11625 | MB81F161622C-80FN | *HC107640R |
| | | IC601 | 9965 000 07973 | PD3410A | *HU100400R |
| | | IC701 | 9965 000 11626 | PE5220A | *HC107650R |
| | | IC1001 | 9965 000 11627 | PM0024AF | *HC107660R |
| | | IC1003 | 9965 000 11628 | PM0030A | *HC107670R |
| | | IC1201 | 9965 000 07637 | PQ2TZ15 | HC98903320 |
| | | IC891 | 9965 000 07637 | PQ2TZ15 | HC98903320 |
| | | IC951 | 9965 000 11629 | SM8703AV | *HC107680R |
| | | IC401 | 9965 000 11630 | TA78M08F | *HC107690R |
| | | IC604 | 9965 000 10305 | TC55V1001AF8 | *HC106830R |
| | | IC907 | 9965 000 11631 | TC74VHC153FT | *HC107700R |
| | | IC902 | 9965 000 04633 | TC74VHC157FT | HC005805K0 |
| | | IC612 | 9965 000 11668 | TC74VHC541FT | HC006105K0 |
| | | IC608 | 9965 000 11670 | TC74VHCT541AFT | HC008805K0 |
| | | IC958 | 5322 209 16665 | TC7S02F | *HC107710R |
| | | IC959 | 5322 209 16665 | TC7S02F | *HC107710R |
| | | IC161 | 9965 000 04141 | TC7SET08FU | *HC107720R |
| | | IC915 | 9965 000 04141 | TC7SET08FU | *HC107720R |
| | /A/C/F/L/S/U | IC916 | 9965 000 04141 | TC7SET08FU | *HC107720R |
| | | IC613 | 4822 209 90685 | TC7SH04FU | HC007705K0 |
| | | IC917 | 4822 209 90687 | TC7SH08FU | HC10440050 |
| | | IC912 | 4822 209 17359 | TC7SHU04F | *HC105940R |
| | | IC299 | 9965 000 11632 | TC7SZ32FU | *HC107730R |
| | | IC303 | 9965 000 11633 | TC7SZU04F | *HC107740R |
| | | IC304 | 9965 000 11633 | TC7SZU04F | *HC107740R |
| | | IC271 | 9965 000 02109 | TC7W53FU | HC007105K0 |
| | | IC282 | 9965 000 02109 | TC7W53FU | HC007105K0 |
| | /A/C/F/L/S/U | IC901 | 9965 000 11673 | TC7WH157FU | HC009105K0 |
| | | IC904 | 9965 000 11673 | TC7WH157FU | HC009105K0 |
| | | IC956 | 9965 000 10306 | TC7WH74FU | *HC105950R |
| | | IC957 | 9965 000 10306 | TC7WH74FU | *HC105950R |
| | | IC603 | 9965 000 11634 | VYW1790 | *HC107750R |
| | | Q109 | 4822 130 10698 | 2SA1576A | HX100012A0 |
| | | Q1310-Q1312 | 4822 130 10698 | 2SA1576A | HX100012A0 |
| | | Q1410-Q1412 | 4822 130 10698 | 2SA1576A | HX100012A0 |
| | | Q1510-Q1512 | 4822 130 10698 | 2SA1576A | HX100012A0 |
| | | Q1610-Q1612 | 4822 130 10698 | 2SA1576A | HX100012A0 |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJ1) | | |
|------|------------------------------|-------------|-------------------------|-------------------|-------------------------|---------------------------|------------|
| | /A/C/F/L/S/U /A/C/F/L/S/U | Q1710-Q1712 | 4822 130 10698 | 2SA1576A | HX100012A0 | | |
| | | Q105 | 4822 130 60669 | 2SC4081 | HX300012A0 | | |
| | | Q114 | 4822 130 60669 | 2SC4081 | HX300012A0 | | |
| | | Q130 | 4822 130 60669 | 2SC4081 | HX300012A0 | | |
| | | Q603 | 4822 130 60669 | 2SC4081 | HX300012A0 | | |
| | | Q602 | 9965 000 10308 | DTA114EUA | *BA000900R | | |
| | | Q107 | 9965 000 10308 | DTC114EUA | *BA000900R | | |
| | | Q111 | 9965 000 10308 | DTC114EUA | *BA000900R | | |
| | | Q271 | 9965 000 10308 | DTC114EUA | *BA000900R | | |
| | | Q281 | 9965 000 10308 | DTC114EUA | *BA000900R | | |
| | | Q601 | 9965 000 10308 | DTC114EUA | *BA000900R | | |
| | | Q102 | 4822 130 63838 | HN1A01F | BA10011050 | | |
| | | Q106 | 4822 130 63838 | HN1A01F | BA10011050 | | |
| | | Q103 | 9965 000 07977 | HN1B04FU | *BA000920R | | |
| | | Q542 | 9965 000 07977 | HN1B04FU | *BA000920R | | |
| | | Q543 | 9965 000 07977 | HN1B04FU | *BA000920R | | |
| | | Q101 | 4822 130 63843 | HN1C01F | *BA000930R | | |
| | | Q112 | 9965 000 07978 | HN1C01FU | *BA000940R | | |
| | | Q113 | 9965 000 07978 | HN1C01FU | *BA000940R | | |
| | | Q108 | 9965 000 10309 | HN1K03FU | *BA000950R | | |
| | | Q571 | 9965 000 07980 | RN1911 | *BA000960R | | |
| | | | | | | | |
| | | | | D302 | 9965 000 10310 | KV1470 | *HZ400010R |
| | | | | D303 | 9965 000 10310 | KV1470 | *HZ400010R |
| | | | | D601 | 9322 154 46685 | RB501V-40 | *HZ200100R |
| | | | | D571 | 9965 000 06882 | RB521S-30 | *HZ200110R |
| | | | | D572 | 9965 000 06882 | RB521S-30 | *HZ200110R |
| | | | | | | | |
| | | | | | | COILS AND FILTERS | |
| | | NSP | | L1001 | --- | LCYA100J2520 | --- |
| | | NSP | | L304 | --- | LCYA1R5J2520 | --- |
| | | NSP | | L101 | --- | LCYA8R2J2520 | --- |
| | | NSP | | L330 | --- | LCYA8R2J2520 | --- |
| | | NSP | | F1311 | --- | VTF1168 11MHz LPF (VIDEO) | --- |
| | | NSP | | F1411 | --- | VTF1168 11MHz LPF (VIDEO) | --- |
| | | NSP | | F1511 | --- | VTF1168 11MHz LPF (VIDEO) | --- |
| | | NSP | | F1611 | --- | VTF1169 VIDEO FILTER | --- |
| | | | | L1801 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L1821 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L601 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L701 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L703 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L805 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L861 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L891 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L892 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L9001 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | | | L9003 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R |
| | | L9004 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R | | |
| | | L9010 | 9965 000 11619 | VTL1124 CHIP BEAD | *FN000160R | | |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-----------|-------------------------|-------------------|-------------------------|
| | | | | CAPACITORS | |
| NSP | | C612 | --- | CCSRCH100D50 | --- |
| NSP | | C1072 | --- | CCSRCH101J50 | --- |
| NSP | | C123 | --- | CCSRCH101J50 | --- |
| NSP | | C145 | --- | CCSRCH101J50 | --- |
| NSP | | C583 | --- | CCSRCH101J50 | --- |
| NSP | | C617 | --- | CCSRCH101J50 | --- |
| NSP | | C655 | --- | CCSRCH101J50 | --- |
| NSP | | C727 | --- | CCSRCH101J50 | --- |
| NSP | | C728 | --- | CCSRCH101J50 | --- |
| NSP | | C959 | --- | CCSRCH101J50 | --- |
| NSP | | C216 | --- | CCSRCH102J50 | --- |
| NSP | /A/C/F/L/S/U | C275 | --- | CCSRCH102J50 | --- |
| NSP | | C313 | --- | CCSRCH102J50 | --- |
| NSP | | C104-C108 | --- | CCSRCH150J50 | --- |
| NSP | | C126 | --- | CCSRCH150J50 | --- |
| NSP | | C314 | --- | CCSRCH150J50 | --- |
| NSP | | C333 | --- | CCSRCH150J50 | --- |
| NSP | | C206 | --- | CCSRCH151J50 | --- |
| NSP | | C210 | --- | CCSRCH151J50 | --- |
| NSP | | C211 | --- | CCSRCH151J50 | --- |
| NSP | | C152 | --- | CCSRCH221J50 | --- |
| NSP | | C151 | --- | CCSRCH270J50 | --- |
| NSP | | C209 | --- | CCSRCH331J50 | --- |
| NSP | | C324 | --- | CCSRCH331J50 | --- |
| NSP | | C391 | --- | CCSRCH331J50 | --- |
| NSP | | C392 | --- | CCSRCH331J50 | --- |
| NSP | | C584 | --- | CCSRCH331J50 | --- |
| NSP | | C656 | --- | CCSRCH331J50 | --- |
| NSP | | C122 | --- | CCSRCH391J50 | --- |
| NSP | | C116 | --- | CCSRCH470J50 | --- |
| NSP | | C128 | --- | CCSRCH470J50 | --- |
| NSP | | C134 | --- | CCSRCH470J50 | --- |
| NSP | | C297 | --- | CCSRCH470J50 | --- |
| NSP | | C335 | --- | CCSRCH470J50 | --- |
| NSP | | C208 | --- | CCSRCH471J50 | --- |
| NSP | | C1321 | --- | CCSRCH4R0C50 | --- |
| NSP | | C1421 | --- | CCSRCH4R0C50 | --- |
| NSP | | C1521 | --- | CCSRCH4R0C50 | --- |
| NSP | /A/C/F/L/S/U | C283 | --- | CCSRCH560J50 | --- |
| NSP | /A/C/F/L/S/U | C284 | --- | CCSRCH560J50 | --- |
| NSP | | C127 | --- | CCSRCH5R0C50 | --- |
| NSP | /A/C/F/L/S/U | C281 | --- | CCSRCH5R0C50 | --- |
| NSP | /A/C/F/L/S/U | C282 | --- | CCSRCH5R0C50 | --- |
| NSP | | C334 | --- | CCSRCH5R0C50 | --- |
| NSP | | C124 | --- | CCSRCH680J50 | --- |
| NSP | | C146 | --- | CCSRCH680J50 | --- |
| NSP | /A/C/F/L/S/U | C286 | --- | CCSRCH680J50 | --- |
| NSP | | C117 | --- | CCSRCH681J25 | --- |
| NSP | | C240 | --- | CCSRCH681J25 | --- |
| NSP | | C351 | --- | CCSRCH681J25 | --- |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJl) |
|------|-----------------------|-------|-------------------------|--------------|-------------------------|
| NSP | | C360 | --- | CCSRCH681J25 | --- |
| NSP | | C956 | --- | CCSRCH8R0D50 | --- |
| NSP | | C1087 | --- | CEV100M35 | --- |
| NSP | | C1088 | --- | CEV100M35 | --- |
| NSP | | C1836 | --- | CEV100M35 | --- |
| NSP | | C115 | --- | CEV101M16 | --- |
| NSP | | C129 | --- | CEV101M16 | --- |
| NSP | | C149 | --- | CEV101M16 | --- |
| NSP | | C201 | --- | CEV101M16 | --- |
| NSP | | C205 | --- | CEV101M16 | --- |
| NSP | | C254 | --- | CEV101M16 | --- |
| NSP | | C358 | --- | CEV101M16 | --- |
| NSP | | C368 | --- | CEV101M16 | --- |
| NSP | | C369 | --- | CEV101M16 | --- |
| NSP | | C402 | --- | CEV101M16 | --- |
| NSP | | C405 | --- | CEV101M16 | --- |
| NSP | | C408 | --- | CEV101M16 | --- |
| NSP | | C411 | --- | CEV101M16 | --- |
| NSP | | C414 | --- | CEV101M16 | --- |
| NSP | | C417 | --- | CEV101M16 | --- |
| NSP | | C419 | --- | CEV101M16 | --- |
| NSP | | C422 | --- | CEV101M16 | --- |
| NSP | | C429 | --- | CEV101M16 | --- |
| NSP | | C431 | --- | CEV101M16 | --- |
| NSP | | C450 | --- | CEV101M16 | --- |
| NSP | | C453 | --- | CEV101M16 | --- |
| NSP | | C454 | --- | CEV101M16 | --- |
| NSP | | C601 | --- | CEV101M16 | --- |
| NSP | | C731 | --- | CEV101M16 | --- |
| NSP | | C773 | --- | CEV101M16 | --- |
| NSP | | C802 | --- | CEV101M16 | --- |
| NSP | | C826 | --- | CEV101M16 | --- |
| NSP | | C861 | --- | CEV101M16 | --- |
| NSP | | C113 | --- | CEV220M16 | --- |
| NSP | | C139 | --- | CEV220M16 | --- |
| NSP | | C237 | --- | CEV220M6R3 | --- |
| NSP | | C1003 | --- | CEV221M4 | --- |
| NSP | | C1013 | --- | CEV221M4 | --- |
| NSP | | C1014 | --- | CEV221M4 | --- |
| NSP | | C1024 | --- | CEV221M4 | --- |
| NSP | | C1029 | --- | CEV221M4 | --- |
| NSP | | C1084 | --- | CEV221M4 | --- |
| NSP | | C1203 | --- | CEV221M4 | --- |
| NSP | | C142 | --- | CEV221M4 | --- |
| NSP | | C1802 | --- | CEV221M4 | --- |
| NSP | | C1822 | --- | CEV221M4 | --- |
| NSP | | C1831 | --- | CEV221M4 | --- |
| NSP | | C1832 | --- | CEV221M4 | --- |
| NSP | | C1838 | --- | CEV221M4 | --- |
| NSP | | C801 | --- | CEV221M4 | --- |
| NSP | | C803 | --- | CEV221M4 | --- |

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| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-------------|-------------------------|--------------|-------------------------|
| NSP | | C951 | --- | CEV221M4 | --- |
| NSP | | C952 | --- | CEV221M4 | --- |
| NSP | | C111 | --- | CEV470M6R3 | --- |
| NSP | | C207 | --- | CEV470M6R3 | --- |
| NSP | | C591 | --- | CKSQYB103K50 | --- |
| NSP | | C112 | --- | CKSQYB105K10 | --- |
| NSP | | C140 | --- | CKSQYB105K10 | --- |
| NSP | | C223 | --- | CKSQYB105K10 | --- |
| NSP | | C224 | --- | CKSQYB105K10 | --- |
| NSP | | C264 | --- | CKSQYB105K10 | --- |
| NSP | | C312 | --- | CKSQYB105K10 | --- |
| NSP | | C114 | --- | CKSQYF104Z25 | --- |
| NSP | | C581 | --- | CKSQYF104Z25 | --- |
| NSP | | C628 | --- | CKSQYF104Z25 | --- |
| NSP | | C1005-C1009 | --- | CKSQYF105Z16 | --- |
| NSP | | C1016 | --- | CKSQYF105Z16 | --- |
| NSP | | C1026 | --- | CKSQYF105Z16 | --- |
| NSP | | C1033 | --- | CKSQYF105Z16 | --- |
| NSP | | C1035 | --- | CKSQYF105Z16 | --- |
| NSP | | C1036 | --- | CKSQYF105Z16 | --- |
| NSP | | C1040 | --- | CKSQYF105Z16 | --- |
| NSP | | C1041 | --- | CKSQYF105Z16 | --- |
| NSP | | C1044-C1046 | --- | CKSQYF105Z16 | --- |
| NSP | | C1051-C1053 | --- | CKSQYF105Z16 | --- |
| NSP | | C1055 | --- | CKSQYF105Z16 | --- |
| NSP | | C1056 | --- | CKSQYF105Z16 | --- |
| NSP | | C1082 | --- | CKSQYF105Z16 | --- |
| NSP | | C1083 | --- | CKSQYF105Z16 | --- |
| NSP | | C125 | --- | CKSQYF105Z16 | --- |
| NSP | | C1803 | --- | CKSQYF105Z16 | --- |
| NSP | | C1804 | --- | CKSQYF105Z16 | --- |
| NSP | | C1816 | --- | CKSQYF105Z16 | --- |
| NSP | | C1817 | --- | CKSQYF105Z16 | --- |
| NSP | | C1823-C1825 | --- | CKSQYF105Z16 | --- |
| NSP | | C1834 | --- | CKSQYF105Z16 | --- |
| NSP | | C1835 | --- | CKSQYF105Z16 | --- |
| NSP | | C217 | --- | CKSQYF105Z16 | --- |
| NSP | | C327 | --- | CKSQYF105Z16 | --- |
| NSP | | C328 | --- | CKSQYF105Z16 | --- |
| NSP | | C451 | --- | CKSQYF105Z16 | --- |
| NSP | | C452 | --- | CKSQYF105Z16 | --- |
| NSP | | C1030 | --- | CKSQYF225Z16 | --- |
| NSP | | C148 | --- | CKSQYF225Z16 | --- |
| NSP | | C150 | --- | CKSQYF225Z16 | --- |
| NSP | | C1840 | --- | CKSQYF225Z16 | --- |
| NSP | | C862 | --- | CKSQYF225Z16 | --- |
| NSP | | C864 | --- | CKSQYF225Z16 | --- |
| NSP | | C866 | --- | CKSQYF225Z16 | --- |
| NSP | | C868 | --- | CKSQYF225Z16 | --- |
| NSP | | C870 | --- | CKSQYF225Z16 | --- |
| NSP | | C873 | --- | CKSQYF225Z16 | --- |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-----------|-------------------------|--------------|-------------------------|
| NSP | /A/C/L/N/S | C880 | --- | CKSQYF225Z16 | --- |
| NSP | | C225 | --- | CKSRYB103K50 | --- |
| NSP | | C239 | --- | CKSRYB103K50 | --- |
| NSP | | C722 | --- | CKSRYB103K50 | --- |
| NSP | | C101 | --- | CKSRYB104K16 | --- |
| NSP | | C118-C120 | --- | CKSRYB104K16 | --- |
| NSP | | C212 | --- | CKSRYB104K16 | --- |
| NSP | | C213 | --- | CKSRYB104K16 | --- |
| NSP | | C227 | --- | CKSRYB104K16 | --- |
| NSP | | C231 | --- | CKSRYB104K16 | --- |
| NSP | | C263 | --- | CKSRYB104K16 | --- |
| NSP | | C315 | --- | CKSRYB104K16 | --- |
| NSP | | C317 | --- | CKSRYB104K16 | --- |
| NSP | | C153 | --- | CKSRYB223K50 | --- |
| NSP | | C266 | --- | CKSRYB223K50 | --- |
| NSP | /A/C/F/L/S/U | C271-C274 | --- | CKSRYB223K50 | --- |
| NSP | | C357 | --- | CKSRYB332K50 | --- |
| NSP | | C214 | --- | CKSRYB472K50 | --- |
| NSP | | C251 | --- | CKSRYB472K50 | --- |
| NSP | | C261 | --- | CKSRYB472K50 | --- |
| NSP | | C352 | --- | CKSRYB472K50 | --- |
| NSP | | C330 | --- | CKSRYB682K50 | --- |
| NSP | | C133 | --- | CKSRYF103Z50 | --- |
| NSP | | C136 | --- | CKSRYF103Z50 | --- |
| NSP | | C1826 | --- | CKSRYF103Z50 | --- |
| NSP | | C203 | --- | CKSRYF103Z50 | --- |
| NSP | | C220 | --- | CKSRYF103Z50 | --- |
| NSP | | C256 | --- | CKSRYF103Z50 | --- |
| NSP | | C320-C322 | --- | CKSRYF103Z50 | --- |
| NSP | | C354-C356 | --- | CKSRYF103Z50 | --- |
| NSP | | C371 | --- | CKSRYF103Z50 | --- |
| NSP | | C619 | --- | CKSRYF103Z50 | --- |
| NSP | | C703 | --- | CKSRYF103Z50 | --- |
| NSP | | C100 | --- | CKSRYF104Z16 | --- |
| NSP | | C1017 | --- | CKSRYF104Z16 | --- |
| NSP | | C1018 | --- | CKSRYF104Z16 | --- |
| NSP | | C102 | --- | CKSRYF104Z16 | --- |
| NSP | | C121 | --- | CKSRYF104Z16 | --- |
| NSP | | C131 | --- | CKSRYF104Z16 | --- |
| NSP | | C138 | --- | CKSRYF104Z16 | --- |
| NSP | | C143 | --- | CKSRYF104Z16 | --- |
| NSP | | C279 | --- | CKSRYF104Z16 | --- |
| NSP | | C285 | --- | CKSRYF104Z16 | --- |
| NSP | | C287 | --- | CKSRYF104Z16 | --- |
| NSP | | C332 | --- | CKSRYF104Z16 | --- |
| NSP | | C353 | --- | CKSRYF104Z16 | --- |
| NSP | | C359 | --- | CKSRYF104Z16 | --- |
| NSP | | C365-C367 | --- | CKSRYF104Z16 | --- |
| NSP | | C406 | --- | CKSRYF104Z16 | --- |
| NSP | | C409 | --- | CKSRYF104Z16 | --- |
| NSP | | C428 | --- | CKSRYF104Z16 | --- |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-------------|-------------------------|--------------|-------------------------|
| NSP | | C576 | --- | CKSRYF104Z16 | --- |
| NSP | | C609 | --- | CKSRYF104Z16 | --- |
| NSP | | C713 | --- | CKSRYF104Z16 | --- |
| NSP | | C716 | --- | CKSRYF104Z16 | --- |
| NSP | | C863 | --- | CKSRYF104Z16 | --- |
| NSP | | C865 | --- | CKSRYF104Z16 | --- |
| NSP | | C867 | --- | CKSRYF104Z16 | --- |
| NSP | | C869 | --- | CKSRYF104Z16 | --- |
| NSP | | C871 | --- | CKSRYF104Z16 | --- |
| NSP | | C872 | --- | CKSRYF104Z16 | --- |
| NSP | | C1019-C1021 | --- | CKSRYF105Z10 | --- |
| NSP | | C1027 | --- | CKSRYF105Z10 | --- |
| NSP | | C109 | --- | CKSRYF105Z10 | --- |
| NSP | | C110 | --- | CKSRYF105Z10 | --- |
| NSP | | C130 | --- | CKSRYF105Z10 | --- |
| NSP | | C1302-C1304 | --- | CKSRYF105Z10 | --- |
| NSP | | C1402-C1404 | --- | CKSRYF105Z10 | --- |
| NSP | | C1502-C1504 | --- | CKSRYF105Z10 | --- |
| NSP | | C1602-C1604 | --- | CKSRYF105Z10 | --- |
| NSP | | C161 | --- | CKSRYF105Z10 | --- |
| NSP | | C1702-C1704 | --- | CKSRYF105Z10 | --- |
| NSP | | C1805-C1815 | --- | CKSRYF105Z10 | --- |
| NSP | | C1818 | --- | CKSRYF105Z10 | --- |
| NSP | | C1819 | --- | CKSRYF105Z10 | --- |
| NSP | | C1837 | --- | CKSRYF105Z10 | --- |
| NSP | | C199 | --- | CKSRYF105Z10 | --- |
| NSP | | C204 | --- | CKSRYF105Z10 | --- |
| NSP | | C215 | --- | CKSRYF105Z10 | --- |
| NSP | | C221 | --- | CKSRYF105Z10 | --- |
| NSP | | C222 | --- | CKSRYF105Z10 | --- |
| NSP | | C226 | --- | CKSRYF105Z10 | --- |
| NSP | | C230 | --- | CKSRYF105Z10 | --- |
| NSP | | C236 | --- | CKSRYF105Z10 | --- |
| NSP | | C255 | --- | CKSRYF105Z10 | --- |
| NSP | | C265 | --- | CKSRYF105Z10 | --- |
| NSP | | C298 | --- | CKSRYF105Z10 | --- |
| NSP | | C299 | --- | CKSRYF105Z10 | --- |
| NSP | | C319 | --- | CKSRYF105Z10 | --- |
| NSP | | C329 | --- | CKSRYF105Z10 | --- |
| NSP | | C430 | --- | CKSRYF105Z10 | --- |
| NSP | | C542 | --- | CKSRYF105Z10 | --- |
| NSP | | C543 | --- | CKSRYF105Z10 | --- |
| NSP | | C602-C607 | --- | CKSRYF105Z10 | --- |
| NSP | | C610 | --- | CKSRYF105Z10 | --- |
| NSP | | C611 | --- | CKSRYF105Z10 | --- |
| NSP | | C613-C616 | --- | CKSRYF105Z10 | --- |
| NSP | | C622 | --- | CKSRYF105Z10 | --- |
| NSP | | C623 | --- | CKSRYF105Z10 | --- |
| NSP | | C626 | --- | CKSRYF105Z10 | --- |
| NSP | | C631 | --- | CKSRYF105Z10 | --- |
| NSP | | C653 | --- | CKSRYF105Z10 | --- |

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| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-----------|-------------------------|----------------------|-------------------------|
| NSP | | C654 | --- | CKSRYF105Z10 | --- |
| NSP | | C702 | --- | CKSRYF105Z10 | --- |
| NSP | | C704-C708 | --- | CKSRYF105Z10 | --- |
| NSP | | C710-C712 | --- | CKSRYF105Z10 | --- |
| NSP | | C717 | --- | CKSRYF105Z10 | --- |
| NSP | | C718 | --- | CKSRYF105Z10 | --- |
| NSP | | C721 | --- | CKSRYF105Z10 | --- |
| NSP | | C724 | --- | CKSRYF105Z10 | --- |
| NSP | | C725 | --- | CKSRYF105Z10 | --- |
| NSP | | C771 | --- | CKSRYF105Z10 | --- |
| NSP | | C772 | --- | CKSRYF105Z10 | --- |
| NSP | | C799 | --- | CKSRYF105Z10 | --- |
| NSP | | C806-C809 | --- | CKSRYF105Z10 | --- |
| NSP | | C811-C818 | --- | CKSRYF105Z10 | --- |
| NSP | | C821-C825 | --- | CKSRYF105Z10 | --- |
| NSP | | C827-C830 | --- | CKSRYF105Z10 | --- |
| NSP | | C832 | --- | CKSRYF105Z10 | --- |
| NSP | | C833 | --- | CKSRYF105Z10 | --- |
| NSP | | C836-C838 | --- | CKSRYF105Z10 | --- |
| NSP | | C840 | --- | CKSRYF105Z10 | --- |
| NSP | /A/C/L/N/S | C875 | --- | CKSRYF105Z10 | --- |
| NSP | /A/C/L/N/S | C876 | --- | CKSRYF105Z10 | --- |
| NSP | /A/C/L/N/S | C878 | --- | CKSRYF105Z10 | --- |
| NSP | /A/C/L/N/S | C879 | --- | CKSRYF105Z10 | --- |
| NSP | /A/C/L/N/S | C884 | --- | CKSRYF105Z10 | --- |
| NSP | | C901 | --- | CKSRYF105Z10 | --- |
| NSP | | C902 | --- | CKSRYF105Z10 | --- |
| NSP | | C904 | --- | CKSRYF105Z10 | --- |
| NSP | | C907 | --- | CKSRYF105Z10 | --- |
| NSP | | C915 | --- | CKSRYF105Z10 | --- |
| NSP | | C916 | --- | CKSRYF105Z10 | --- |
| NSP | | C918 | --- | CKSRYF105Z10 | --- |
| NSP | | C927 | --- | CKSRYF105Z10 | --- |
| NSP | | C953 | --- | CKSRYF105Z10 | --- |
| NSP | | C954 | --- | CKSRYF105Z10 | --- |
| NSP | | C957 | --- | CKSRYF105Z10 | --- |
| NSP | | C958 | --- | CKSRYF105Z10 | --- |
| NSP | | C969 | --- | CKSRYF105Z10 | --- |
| NSP | | C972-C974 | --- | CKSRYF105Z10 | --- |
| NSP | | C372 | --- | CKSRYF223Z50 | --- |
| NSP | | C1015 | --- | VCG1039 (4.7mF) | --- |
| NSP | | C1833 | --- | VCG1039 (4.7mF) | --- |
| NSP | | C147 | --- | VCH1211 (100F/6.3V) | --- |
| NSP | | C620 | --- | VCH1211 (100F/6.3V) | --- |
| NSP | | C715 | --- | VCH1211 (100F/6.3V) | --- |
| NSP | | C892 | --- | VCH1211 (100F/6.3V) | --- |
| NSP | | C709 | --- | VCH1219 (2.2mF/6.3V) | --- |
| NSP | | C720 | --- | VCH1219 (2.2mF/6.3V) | --- |
| NSP | | C723 | --- | VCH1219 (2.2mF/6.3V) | --- |
| | | VC951 | 9965 000 11618 | VCM1013 (30pF) | *CX000010R |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-------------|-------------------------|------------------|-------------------------|
| | | | | RESISTORS | |
| NSP | | R545 | --- | RAB4C103J | --- |
| NSP | | R594 | --- | RAB4C103J | --- |
| NSP | | R613 | --- | RAB4C103J | --- |
| NSP | | R637 | --- | RAB4C103J | --- |
| NSP | | R637 | --- | RAB4C103J | --- |
| NSP | | R648 | --- | RAB4C103J | --- |
| NSP | | R649 | --- | RAB4C103J | --- |
| NSP | | R707 | --- | RAB4C103J | --- |
| NSP | | R755 | --- | RAB4C103J | --- |
| NSP | | R1053-R1055 | --- | RAB4C220J | --- |
| NSP | | R121 | --- | RAB4C220J | --- |
| NSP | | R595 | --- | RAB4C220J | --- |
| NSP | | R609 | --- | RAB4C220J | --- |
| NSP | | R610 | --- | RAB4C220J | --- |
| NSP | | R616 | --- | RAB4C220J | --- |
| NSP | | R617 | --- | RAB4C220J | --- |
| NSP | | R733 | --- | RAB4C220J | --- |
| NSP | | R734 | --- | RAB4C220J | --- |
| NSP | | R804 | --- | RAB4C220J | --- |
| NSP | | R805 | --- | RAB4C220J | --- |
| NSP | | R860 | --- | RAB4C220J | --- |
| NSP | | R863 | --- | RAB4C220J | --- |
| NSP | | R867-R873 | --- | RAB4C220J | --- |
| NSP | | R876 | --- | RAB4C220J | --- |
| NSP | | R877 | --- | RAB4C220J | --- |
| NSP | | R123 | --- | RAB4C390J | --- |
| NSP | | R602 | --- | RAB4C470J | --- |
| NSP | | R605-R608 | --- | RAB4C470J | --- |
| NSP | | R738-R741 | --- | RAB4C470J | --- |
| NSP | | R715,R716 | --- | RAB4C473J | --- |
| NSP | | R1200 | --- | RS1/10S0R0J | --- |
| NSP | | R173 | --- | RS1/10S0R0J | --- |
| NSP | | R350 | --- | RS1/10S0R0J | --- |
| NSP | | R3510 | --- | RS1/10S0R0J | --- |
| NSP | | R380 | --- | RS1/10S0R0J | --- |
| NSP | | R411-R418 | --- | RS1/10S0R0J | --- |
| NSP | | R420 | --- | RS1/10S0R0J | --- |
| NSP | | R571-R574 | --- | RS1/10S0R0J | --- |
| NSP | | R576 | --- | RS1/10S0R0J | --- |
| NSP | | R577 | --- | RS1/10S0R0J | --- |
| NSP | | R900 | --- | RS1/10S0R0J | --- |
| NSP | | R951 | --- | RS1/10S0R0J | --- |
| NSP | | R986 | --- | RS1/10S0R0J | --- |
| NSP | /N | R215 | --- | RS1/16S0R0J | --- |
| NSP | /N | R273 | --- | RS1/16S0R0J | --- |
| NSP | /A/C/F/L/S/U | R280 | --- | RS1/16S0R0J | --- |
| NSP | /N | R712 | --- | RS1/16S0R0J | --- |
| NSP | /A/C/F/L/S/U | R713 | --- | RS1/16S0R0J | --- |
| NSP | | R1720 | --- | RS1/16S1002F | --- |
| NSP | /A/C/F/L/S/U | R287 | --- | RS1/16S1002F | --- |

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

| Mark | Ver. (DB-VPBxxx) | No. | Part No. (for PCS) | Description | Part No. (for MJL) |
|------|-----------------------|-----------------|-------------------------|--------------------------------|-------------------------|
| NSP | /F/N/U | R4 | --- | RS1/16S103J | --- |
| NSP | | R1314 | --- | RS1/16S1501F | --- |
| NSP | | R1414 | --- | RS1/16S1501F | --- |
| NSP | | R1514 | --- | RS1/16S1501F | --- |
| NSP | /A/C/F/L/S/U | R289 | --- | RS1/16S1503F | --- |
| NSP | | R358 | --- | RS1/16S1503F | --- |
| NSP | | R361 | --- | RS1/16S1503F | --- |
| NSP | /A/C/F/L/S/U | R288 | --- | RS1/16S1801F | --- |
| NSP | /A/C/L/N/S | R3 | --- | RS1/16S223J | --- |
| NSP | | R1027 | --- | RS1/16S2401F | --- |
| NSP | | R1320 | --- | RS1/16S2701F | --- |
| NSP | | R1420 | --- | RS1/16S2701F | --- |
| NSP | | R1520 | --- | RS1/16S2701F | --- |
| NSP | | R1058-R1060 | --- | RS1/16S3300F | --- |
| NSP | | R1313 | --- | RS1/16S3300F | --- |
| NSP | | R1413 | --- | RS1/16S3300F | --- |
| NSP | | R1513 | --- | RS1/16S3300F | --- |
| NSP | | R1613 | --- | RS1/16S4700F | --- |
| NSP | | R1713 | --- | RS1/16S4700F | --- |
| NSP | /A/C/F/L/S/U | R275 | --- | RS1/16S472J | --- |
| NSP | /A/C/F/L/S/U | R281-R284 | --- | RS1/16S472J | --- |
| NSP | /A/C/F/L/S/U | R290 | --- | RS1/16S472J | --- |
| NSP | /A/C/F/L/S/U | R274 | --- | RS1/16S473J | --- |
| NSP | /A/C/F/L/S/U | R279 | --- | RS1/16S473J | --- |
| NSP | /A/C/F/L/S/U | R285 | --- | RS1/16S683J | --- |
| NSP | /A/C/F/L/S/U | R286 | --- | RS1/16S683J | --- |
| NSP | | R357 | --- | RS1/16S7502F | --- |
| NSP | | R362 | --- | RS1/16S7502F | --- |
| | | VR1001 | 9965 000 11637 | VCP1125 (1kΩ) | *RA001040R |
| | | VR1831 | 9965 000 11637 | VCP1125 (1kΩ) | *RA001040R |
| NSP | | Other Resistors | --- | RS1/16SxxxJ | --- |
| | | | | OTHERS | |
| | | X951 | 9965 000 11636 | VSS1086 CHIP CRYSTAL (27.0MHz) | *JX000900R |
| NSP | | | --- | VDA1681 FLEXIBLE CABLE 7P | --- |
| ▲ | | P101 | 9965 000 11620 | VEK1060 CHIP FUSE (0.8A) | *FS000910R |
| NSP | | CN120 | --- | VKN1464 24P FFC CONNECTOR | --- |
| NSP | | CN105 | --- | VKN1475 16P FFC CONNECTOR | --- |
| NSP | | CN104 | --- | VKN1498 12P FFC CONNECTOR | --- |
| NSP | | CN512 | --- | VKN1498 12P FFC CONNECTOR | --- |
| NSP | | CN121 | --- | VKN1506 20P FFC CONNECTOR | --- |
| NSP | | CN112 | --- | VKN1792 B TO B CONNECTOR 30P | --- |
| NSP | | CN101 | --- | VKN1618 28P FFC CONNECTOR | --- |
| NSP | | CN103 | --- | VKN1618 28P FFC CONNECTOR | --- |
| NSP | | CN111 | --- | VKN1793 B TO B CONNECTOR 50P | --- |
| NSP | | KN1 | --- | VNF1109 EARTH METAL FITTING | --- |

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