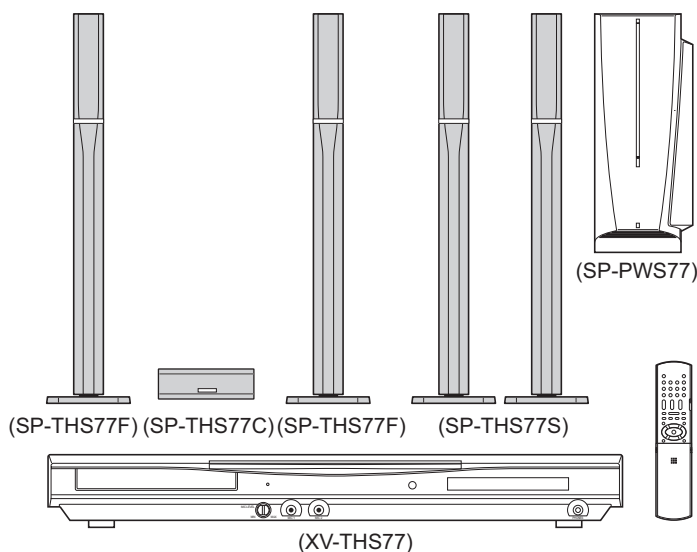


JVC

SERVICE MANUAL

DVD DIGITAL CINEMA SYSTEM

TH-S77



Area suffix

US	-----	Singapore
UP	-----	Korea
UT	-----	Taiwan
UX	-----	Saudi Arabia
UG	---	Turkey, South Africa, Egypt
UN	-----	Asean



Digital Direct Progressive Scan

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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SPECIFICATION

Center unit (XV-THS77)

Audio section	Total Harmonic Distortion *1		0.02%
	Audio input level	AUDIO IN (VCR)	270 mV/47 k Ω
	Digital input *2	DIGITAL IN (OPTICAL)	-21 dBm to -15 dBm (660 nm E30 nm)
Video section	Video System		PAL/NTSC
	Horizontal Resolution		500 lines
	Signal-to-Noise Ratio		64 dB
	Video input sensitivity/Impedance (VCR IN)		Composite: 1.0 V(p-p)/75 Ω S-video-Y: 1.0 V(p-p)/75 Ω S-video-C: For PAL 0.3 V(p-p)/75 Ω S-video-C: For NTSC 0.286 V(p-p)/75 Ω
	Video output level		Composite: 1.0 V(p-p)/75 Ω S-video-Y: 1.0 V(p-p)/75 Ω S-video-C: For PAL 0.3 V(p-p)/75 Ω S-video-C: For NTSC 0.286 V(p-p)/75 Ω Component-Y: 1.0 V(p-p)/75 Ω Component-PB/PR: 0.7 V(p-p)/75 Ω
Tuner section	Tuning Range	FM	87.50 MHz to 108.00 MHz
		AM (Except for the countries of Middle East)	531 kHz to 1 710 kHz(at 9 kHz intervals) 530 kHz to 1 710 kHz(at 10 kHz intervals)
		AM (For the countries of Middle East)	531 kHz to 1 602 kHz(at 9 kHz intervals) 530 kHz to 1 600 kHz(at 10 kHz intervals)
General	Power Requirements		AC 110 - 240 V , 50/60 Hz
	Power Consumption		17 W (at operation) 1.4 W (in standby mode)
	Dimensions (W x H xD)		435 mm x 55 mm x304 mm
	Mass		2.5 kg

*1: This value is measured at System cord CONNECTOR for reference.

*2: Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency -32 kHz, 44.1 kHz, 48 kHz)

Subwoofer (SP-PWS77)

Amplifier section	Front	140 W per channel, RMS at 4 Ω at 1 kHz, with 10 % total harmonic distortion.
	Center/Surround	130 W per channel, RMS at 4 Ω at 1 kHz, with 10 % total harmonic distortion.
	Subwoofer	140 W, RMS at 4 Ω at 100 Hz, with 10 % total harmonic distortion.
Speaker section	Speaker unit	16 cm Bass-reflex
	Power Handling Capacity	140 W
	Impedance	4 Ω
	Frequency Range	30 Hz to 200 Hz
General	Power Requirements	AC 110 V/AC 127 V/AC 220 - 240 V, 50 Hz/60 Hz
	Power Consumption	135 W (at operation) 0 W (in standby mode)
	Dimensions (W x H x D)	170 mm x 411 mm x 451 mm
	Mass	11.5 kg

Satellite Speakers

Front speakers (SP-THS77F)	Speaker unit	5.5 cm × 2 1-way 2-speaker bass-reflex type, Magnetically Shielded
	Power Handling Capacity	140 W
	Impedance	4 Ω
	Frequency Range	90 Hz to 20 kHz
	Sound Pressure Level	78 dB/W·m
	Dimensions (W × H × D)	230 mm × 104 mm × 285 mm
	Mass	3.6 kg
Center speaker (SP-THS77C)	Speaker unit	5.5 cm × 2 1-way 2-speaker bass-reflex type, Magnetically Shielded
	Power Handling Capacity	140 W
	Impedance	4 Ω
	Frequency Range	90 Hz to 20 kHz
	Sound Pressure Level	80 dB/W·m
	Dimensions (W × H × D)	220 mm × 84 mm × 91 mm
	Mass	0.96 kg
Surround speakers (SP-THS77S)	Speaker unit	5.5 cm × 2 1-way 2-speaker bass-reflex type
	Power Handling Capacity	140 W
	Impedance	4 Ω
	Frequency Range	90 Hz to 20 kHz
	Sound Pressure Level	75.5 dB/W·m
	Dimensions (W × H × D)	230 mm × 104 mm × 285 mm
	Mass	3.5 kg

Designs & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

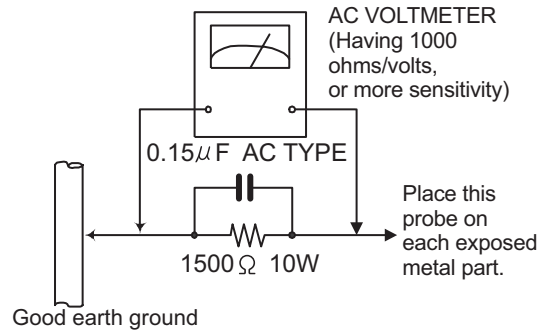
(5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 Ω per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.

Therefore, pay attention to such burrs in the case of pre-forming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (■) and ICP (●) or identified by the " Δ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.

(This regulation does not Except the J and C version)

1.5 Preventing static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.

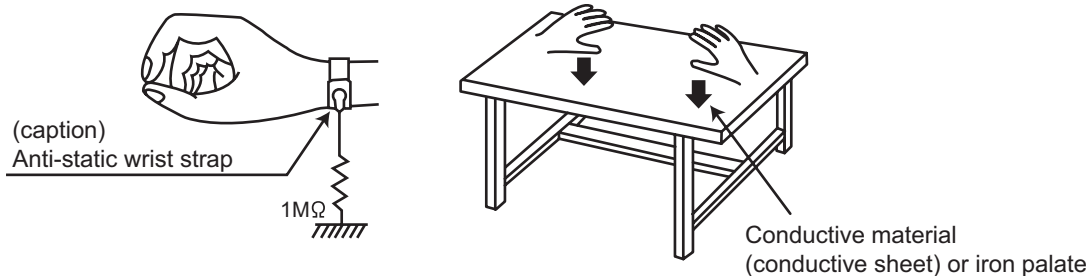
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup

- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.

(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.

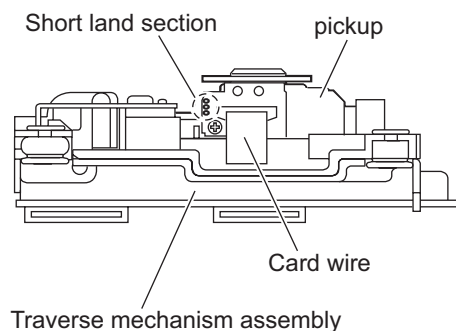
(3) Handle the flexible cable carefully as it may break when subjected to strong force.

(4) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.7 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the flexible wire is disconnected from the connector on the servo board. (If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the flexible wire.



1.8 Important for laser products

1. CLASS 1 LASER PRODUCT

2. DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

3. CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4. CAUTION : The CD, MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5. CAUTION : If safety switches malfunction, the laser is able to function.

6. CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.



CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.

AVOID DIRECT EXPOSURE TO BEAM.

ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
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CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Removing the metal cover

(See Figs.1 to 3)

- (1) From the both sides of the main body, remove the four screws **A** attaching the metal cover. (See Figs.1 and 2)
- (2) From the back side of the main body, remove the five screws **B** attaching the metal cover. (See Fig.3)
- (3) Lift the rear section of the metal cover upward while extending the lower sections of the metal cover. (See Fig.3)

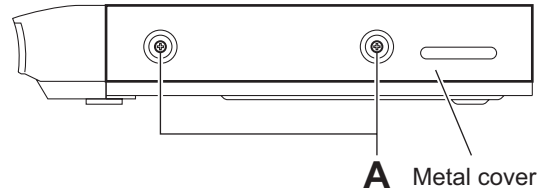


Fig.1

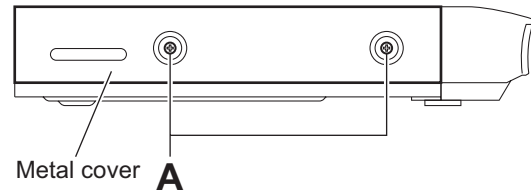


Fig.2

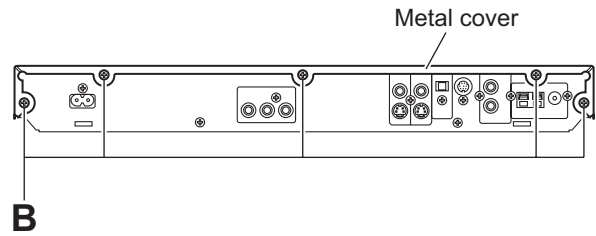


Fig.3

3.1.2 Removing the front panel assembly (See Figs.4 to 7)

- Prior to performing the following procedures, remove the metal cover.

- (1) From the top side of the main body, disconnect the parallel wires from the connector [CN420](#) on the main board. (See Fig.4)
- (2) Disconnect the parallel wires from the connectors [CN451](#), [CN452](#) and [CN460](#) on the main board. (See Fig.4)
- (3) Remove the screw **C** attaching the earth wire to the main board. (See Fig.4)
- (4) Remove the earth wire attaching to the chassis base. (See Fig.4)

Reference:

When attaching the screw **C**, attach the earth wire with it. (See Fig.4)

- (5) From the bottom side of the main body, remove the three screws **D** attaching the front panel assembly. (See Fig.5)
- (6) Remove the front panel assembly in the direction of the arrow while releasing the two joints **a** and two joints **b**. (See Fig.5 to 7)

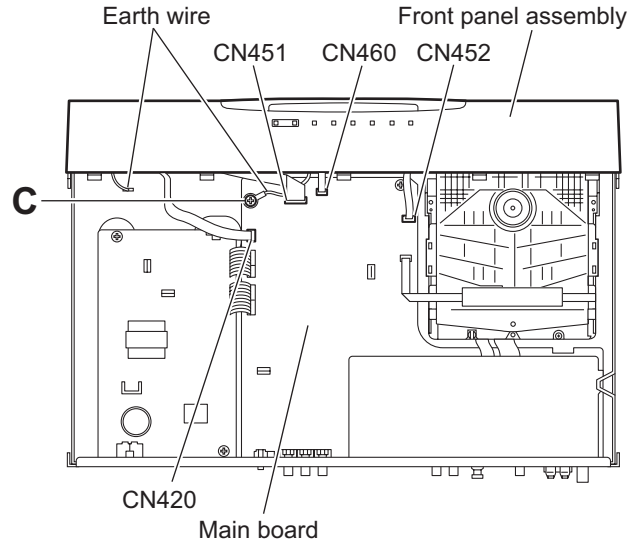


Fig.4

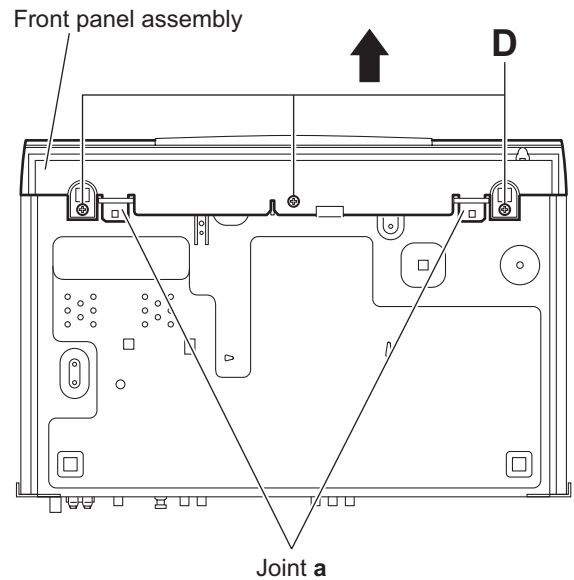


Fig.5

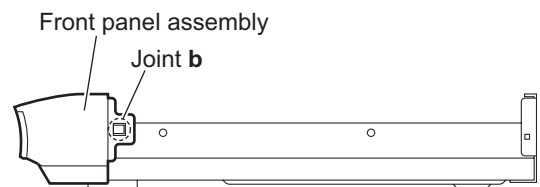


Fig.6

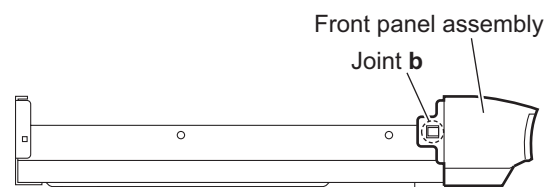


Fig.7

3.1.3 Removing the rear panel (See Fig.8)

- Prior to performing the following procedures, remove the metal cover.
 - (1) From the back side of the main body, remove the screw **E** and nine screws **F** attaching the rear panel.

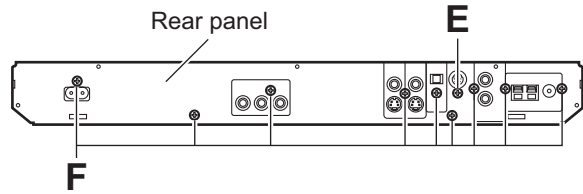


Fig.8

3.1.4 Removing the audio signal input/output board (See Figs.9 and 10)

- Prior to performing the following procedures, remove the metal cover.
 - (1) From the back side of the main body, remove the screw **E**, two screws **G** attaching the audio signal input/output board to the rear panel. (See Fig.9)
 - (2) Take out the audio signal input/output board, and disconnect the card wires from the connectors [CN411](#) and [CN412](#) on the main board. (See Fig.10)

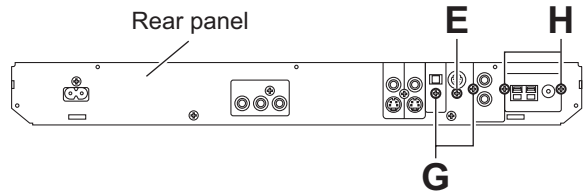


Fig.9

3.1.5 Removing the tuner assembly (See Figs.9 and 11)

- Prior to performing the following procedures, remove the metal cover and audio signal input/output board.
 - (1) From the back side of the main body, remove the two screws **H** attaching the tuner assembly to the rear panel. (See Fig.9)
 - (2) From the top side of the main body, disconnect the card wire from the connector [CN410](#) on the main board. (See Fig.11)
 - (3) Take out the tuner assembly from the main body.

3.1.6 Removing the DVD mechanism assembly (See Fig.11)

- Prior to performing the following procedures, remove metal cover and audio signal input/output board.
 - (1) From the top side of the main body, disconnect the card wires from the connectors [CN401](#), [CN402](#) and [CN408](#) on the main board.
 - (2) Remove the screw **J** attaching the DVD mechanism assembly on the main body.

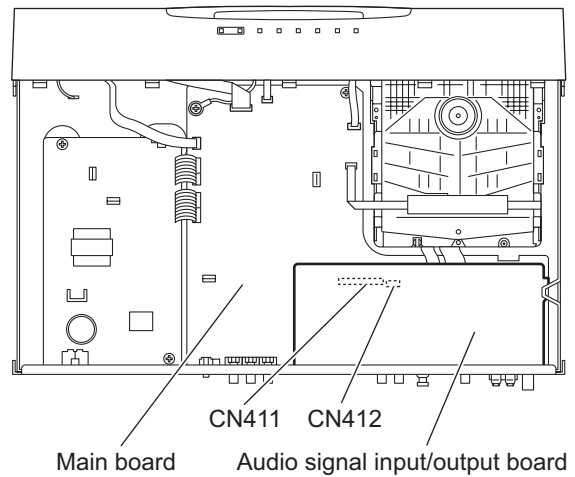


Fig.10

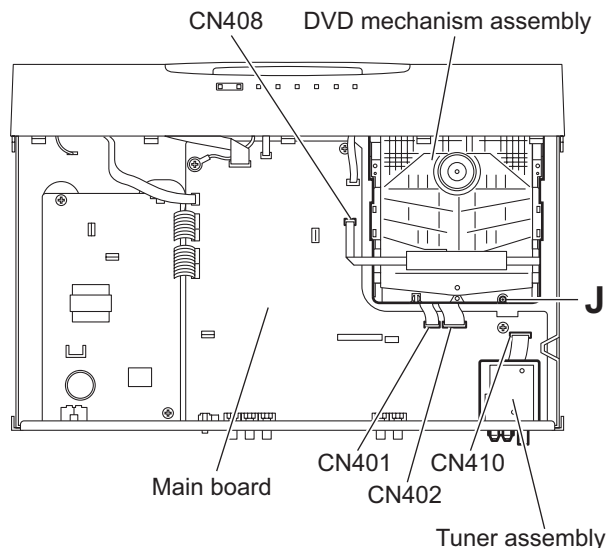


Fig.11

3.1.7 Removing the power board (See Figs.12 and 13)

- Prior to performing the following procedures, remove the metal cover.
 - (1) From the back side of the main body, remove the screw **K** attaching the power board to the rear panel. (See Fig.12)
 - (2) From the top side of the main body, disconnect the parallel wires from the connectors [CN404](#) to [CN407](#) on the main board. (See Fig.13)
 - (3) Remove the two screws **M** attaching the power board. (See Fig.13)
 - (4) Release the holder using a pliers and take out the transformer board from the main body.

Reference:

Remove the rear panel as required. (See "3.1.3 Removing the rear panel")

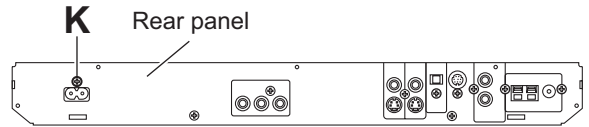


Fig.12

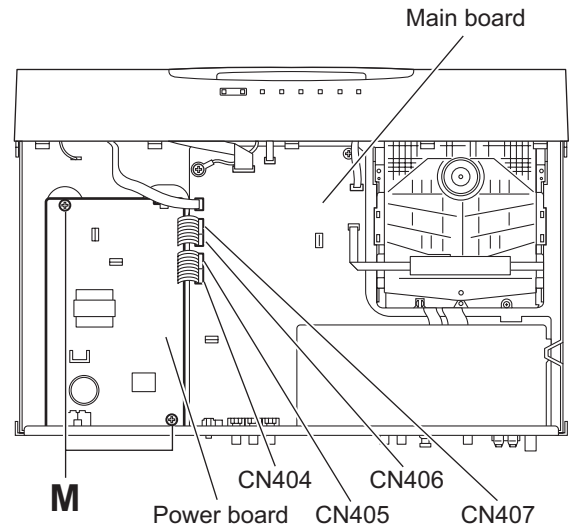


Fig.13

3.1.8 Removing the main board (See Fig.14)

- Prior to performing the following procedures, remove the metal cover, rear panel, audio signal input/output board and tuner assembly.
 - (1) From the top side of the main body, disconnect the card wires from the connectors [CN401](#), [CN402](#), [CN408](#), [CN451](#), [CN452](#) and [CN460](#) on the main board.
 - (2) Disconnect the parallel wires from the connectors [CN404](#) to [CN407](#) and [CN420](#) on the main board.
 - (3) From the top side of the main body, remove the two screws **N**, screw **N'** attaching the main board on the main body.
 - (4) Take out the main board from the main body.

Reference:

When attaching the screw **N'**, attach the earth wire with it. (See Fig.14)

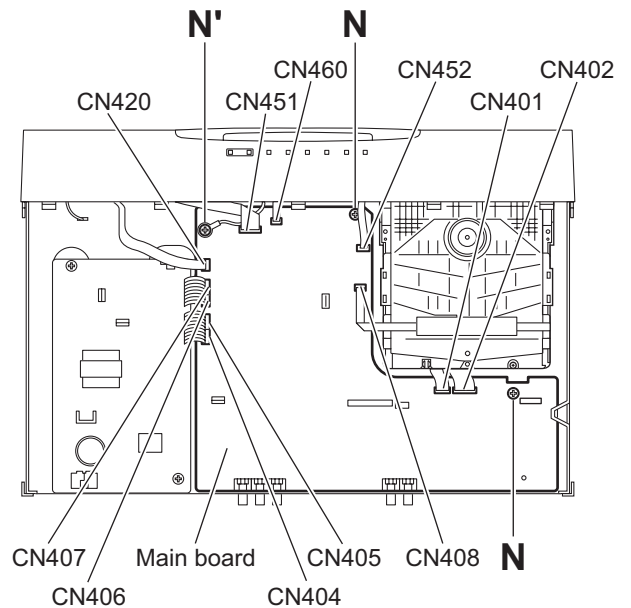


Fig.14

3.2 Front panel assembly section

- Prior to performing the following procedures, remove the metal cover and front panel assembly.

3.2.1 Removing the HP board

(See Fig.1)

- (1) From the inside of the front panel assembly, remove the two screws **A** attaching the HP board.
- (2) Take out the HP board from the front panel assembly.

3.2.2 Removing the KEY and LED board

(See Fig.1 and 2)

- Prior to performing the following procedures, remove the metal cover and front panel assembly.
- (1) From the inside of the front panel assembly, remove the three screws **B** attaching the KEY board. (See Fig.1)
- (2) Take out the KEY and LED board from the front panel assembly. (See Fig.1)

Reference:

When attaching the KEY and LED board, make sure parallel wire in the KEY board slot.

(See Fig.1)

When attaching the LED board, slot in the LED board into claw of front panel assembly and push to the arrow direction. (See Fig. 2)

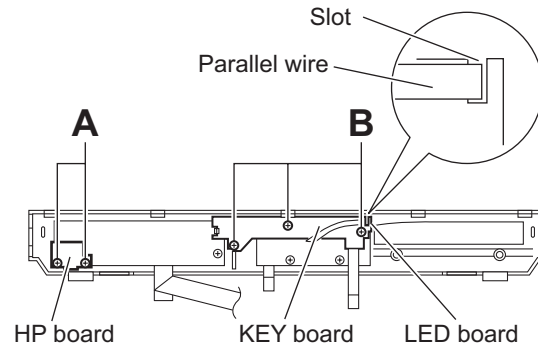


Fig.1

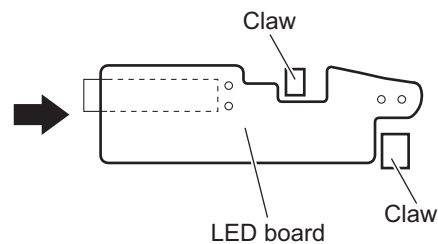


Fig.2

3.2.3 Removing the FL board

(See Fig.3)

- Prior to performing the following procedures, remove the metal cover and front panel assembly.
- (1) From the inside of the front panel assembly, remove the screw **C** attaching the FL board.
- (2) Take out the FL board from the front panel assembly.

3.2.4 Removing the MIC board

(See Fig.3 and 4)

- Prior to performing the following procedures, remove the metal cover, front panel assembly, KEY board and LED board.
- (1) From the front side of the front panel assembly, pull out the volume knob in the direction of the arrow. (See Fig. 4)
- (2) From the inside of the front panel assembly, remove the two screws **D** attaching the MIC board. (See Fig. 3)
- (3) Take out the MIC board from the front panel assembly. (See Fig. 3)

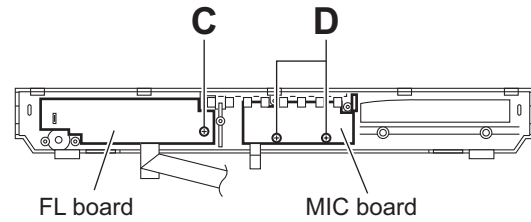


Fig.3

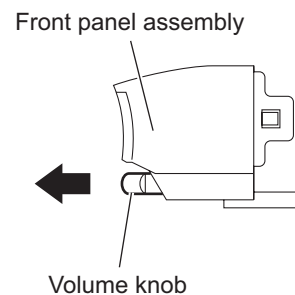


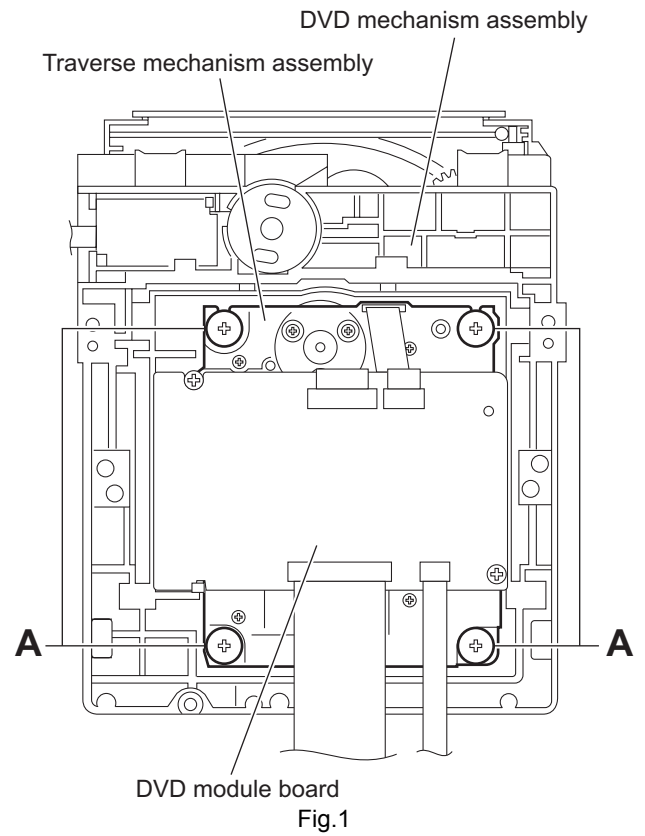
Fig.4

3.3 DVD mechanism section

- Remove the DVD mechanism assembly from the main body.

3.3.1 Removing the traverse mechanism assembly (See Fig.1)

From the bottom side of the DVD mechanism assembly, remove the four screws **A** attaching the traverse mechanism assembly and take out the traverse mechanism assembly with the DVD module board.

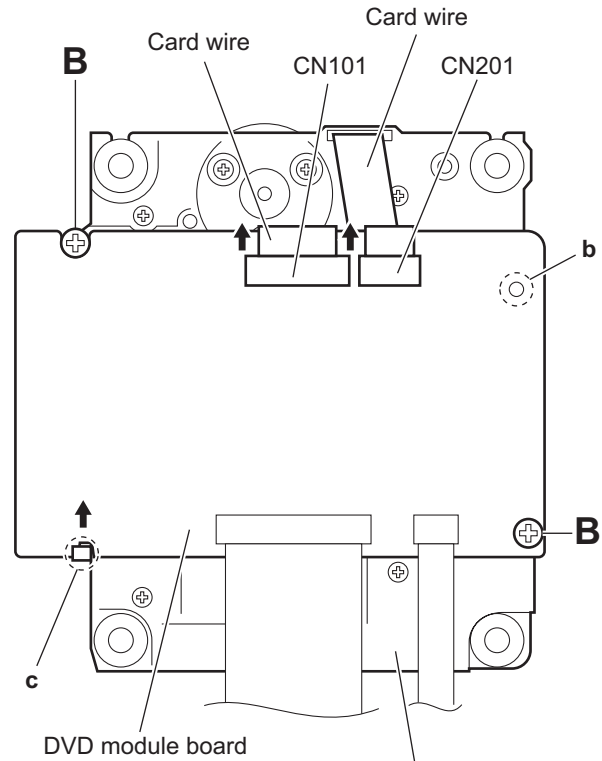
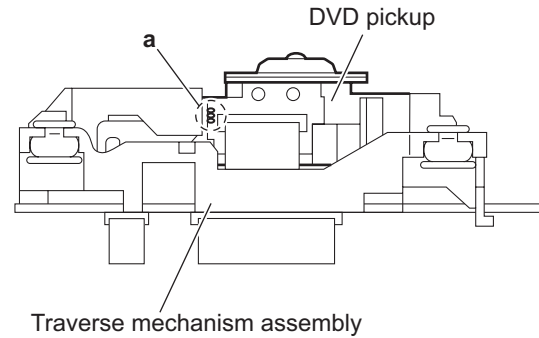


3.3.2 Removing the DVD module board (See Figs.2 and 3)

- Remove the traverse mechanism assembly.
 - From the side of the traverse mechanism assembly, solder the short land sections **a** on the DVD pickup. (See Fig.2.)
 - From the bottom side of the traverse mechanism assembly, release the lock of the connector **CN101** on the DVD module board in the direction of the arrow and disconnect the card wire. (See Fig.3.)

Caution:

- Solder the short land sections **a** on the DVD pickup before disconnecting the card wire from the connector **CN101** on the DVD module board. If the card wire is disconnected without attaching solder, the DVD pickup may be destroyed by static electricity. (See Figs.2 and 3.)
 - When attaching the DVD module board, be sure to remove solders from the short land sections **a** after connecting the card wire to the connector **CN101** on the DVD module board. (See Figs.2 and 3.)
- Disconnect the card wire from the connector **CN201** on the DVD module board. (See Fig.3.)
 - Remove the two screws **B** attaching the DVD module board. (See Fig.3.)
 - Remove the DVD module board from the engagement section **b** in an upward and remove the engagement section **c** in the direction of the arrow. (See Fig.3.)



Traverse mechanism assembly
Fig.3

3.3.3 Removing the DVD pickup (See Figs.2,4 to 6)

- Remove the traverse mechanism assembly.

- From the side of the traverse mechanism assembly, solder the short land sections **a** on the DVD pickup. (See Fig.2.)
- Release the lock of the connector on the DVD pickup in the direction of the arrow and disconnect the card wire. (See Fig.4.)

Caution:

- Solder the short land sections **a** on the DVD pickup before disconnecting the card wire from the connector on the DVD pickup. If the card wire is disconnected without attaching solder, the DVD pickup may be destroyed by static electricity. (See Figs.2 and 4.)
- When attaching the DVD pickup, be sure to remove solders from the short land sections **a** after connecting the card wire to the connector on the DVD pickup. (See Figs.2 and 4.)

- Remove the screw **C** and remove the feed bracket from the sections **d**. (See Fig.4.)
- Release the claw **e** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.4.)
- Remove the guide shaft of the DVD pickup from the section **f** on the traverse mechanism assembly and remove the guide shaft from the section **g** while moving it in the direction of the arrow. (See Fig.5.)
- Remove the DVD pickup from the section **h** of the traverse mechanism assembly and take out the DVD pickup with the guide shaft. (See fig.5.)
- From the bottom side of the DVD pickup, remove the two screws **D** attaching the rack arm and rack arm spring. (See Fig.6.)
- Pull the guide shaft out of the DVD pickup. (See Fig.6.)

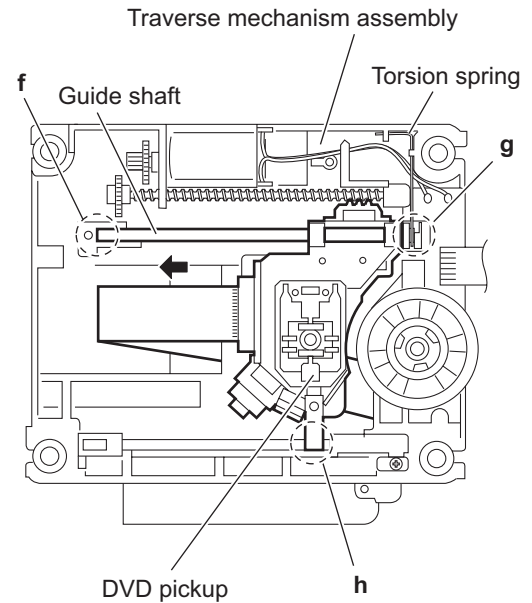


Fig.5

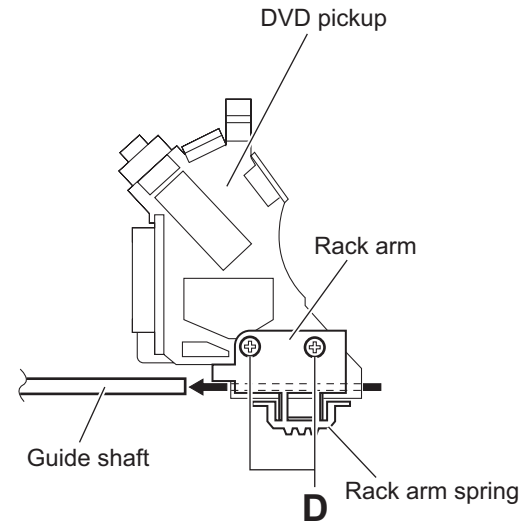


Fig.6

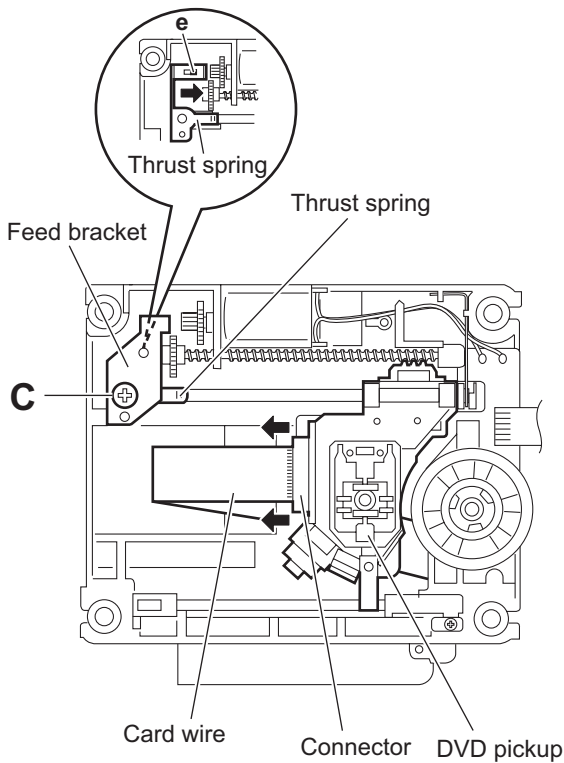


Fig.4

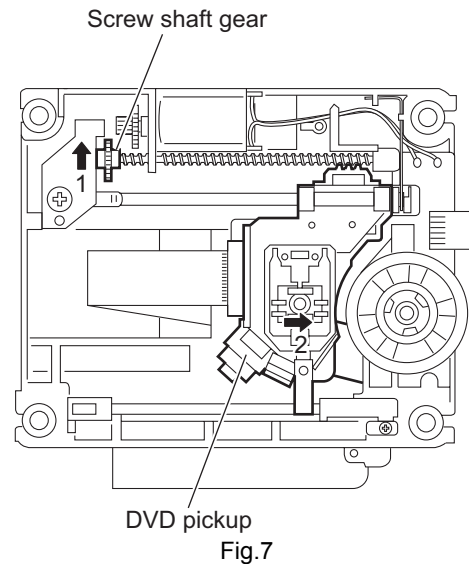
3.3.4 Attaching the DVD pickup (See Figs.2,4 to 7)

- See "3.2.3 Removing the DVD pickup".
 - (1) Attach the guide shaft, rack arm and rack arm spring to the DVD pickup. (See Fig.6.)
 - (2) Align the DVD pickup to the section **h** of the traverse mechanism assembly first, and set the both ends of the guide shaft of the DVD pickup in the sections **f** and **g** of the traverse mechanism assembly. (See Fig.5.)

Reference:

When attaching the guide shaft to the section **g**, attach it under the rod spring. (See Fig.5.)

- (3) Attach the feed bracket and thrust spring. (See Fig.4.)
- (4) Remove solders from the short land sections **a** after connecting the card wire to the connector on the DVD pickup. (See Figs.2 and 4.)
- (5) Turn the screw shaft gear in the direction of the arrow 1 to move the DVD pickup fully in the direction of the arrow 2. (See Fig.7.)



3.3.5 Removing the feed motor
(See Figs.4,8 and 9)

- Remove the traverse mechanism assembly.
 - (1) From the top side of the traverse mechanism assembly, remove the screw **C** and remove the feed bracket from the sections **d**. (See Fig.4.)
 - (2) Release the claw **e** of the thrust spring in the direction of the arrow and remove the thrust spring. (See Fig.4.)
 - (3) Remove the wires from the soldered section **j** on the spindle motor board. (See Fig.8.)

Reference:

- When attaching the feed motor, pass the wire through the section **k** on the traverse mechanism assembly. (See Fig.8.)
 - Pass the wire through the lower section of the rod spring. (See Fig.8.)
- (4) Remove the screw shaft in the direction of the arrow. (See Fig.8.)
 - (5) From the side of the traverse mechanism assembly, remove the screw **E** attaching the feed motor. (See Fig.8.)
 - (6) Take out the feed motor from the traverse mechanism assembly.

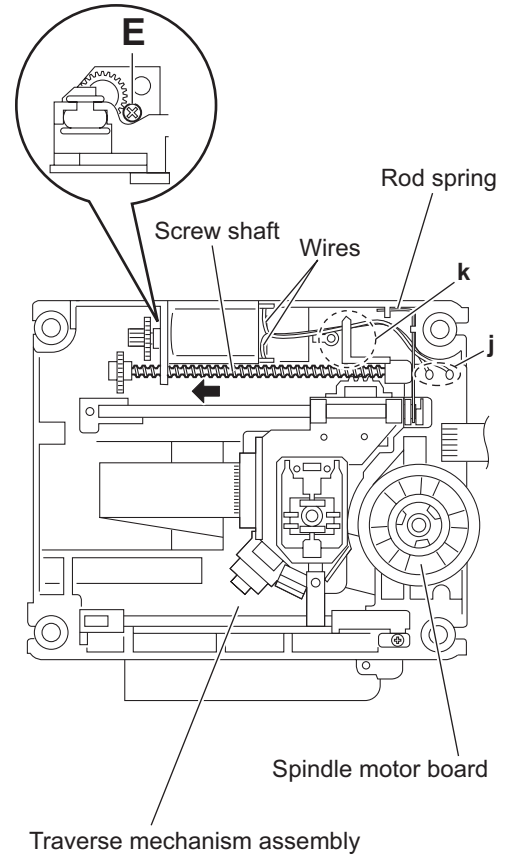


Fig.8

3.3.6 Removing the spindle motor board
(See Figs.8 and 9)

- Remove the traverse mechanism assembly and DVD module board.
 - (1) From the top side of the traverse mechanism assembly, remove the wires from the soldered section **j** on the spindle motor board. (See Fig.8.)
 - (2) From the bottom side of the traverse mechanism assembly, remove the three screws **F** attaching the spindle motor board. (See Fig.9.)

Reference:

- When attaching the spindle motor board, pass the wire through the section **m** on the traverse mechanism assembly. (See Fig.9.)
- After attaching the screws **F**, apply bond as before.

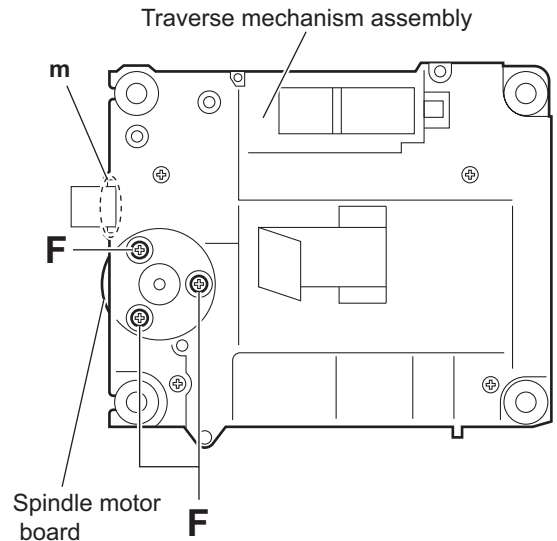


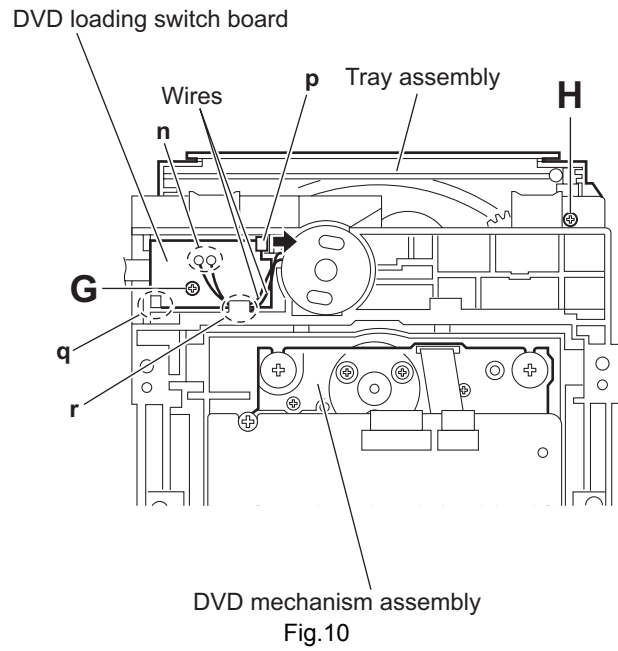
Fig.9

3.3.7 Removing the DVD loading switch board (See Fig.10.)

- (1) From the bottom side of the DVD mechanism assembly, remove the wires from the soldered sections **n** on the DVD loading switch board.
- (2) Remove the screw **G** attaching the DVD loading switch board.
- (3) Lift the DVD loading switch board while pressing the claw **p** of the DVD mechanism assembly in the direction of the arrow and remove it from the section **q**.

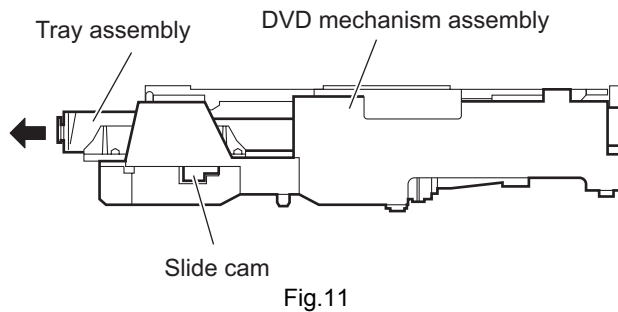
Reference:

Pass the wires through the section **r** after attaching the DVD loading switch board to the DVD mechanism assembly.



3.3.8 Removing the loading motor (See Figs.10 to 14)

- (1) From the bottom side of the DVD mechanism assembly, remove the wires from the soldered section **n** on the DVD loading switch board. (See Fig.10.)
- (2) Remove the screw **H** attaching the tray assembly. (See Fig.10.)
- (3) From the right side of the DVD mechanism assembly, push the slide cam and pull the tray assembly out of the DVD mechanism assembly in the direction of the arrow. (See Fig.11.)
- (4) From the top side of the DVD mechanism assembly, remove the two screws **J** attaching the clamber base. (See Fig.12.)
- (5) Lift the clamber base in an upward direction to remove it from the engagement sections **s** and remove the engagement sections **t** in the direction of the arrow. (See Fig.12.)
- (6) Remove the two screws **K** attaching the tray assembly and take out the tray assembly from the DVD mechanism assembly. (See Fig.13.)
- (7) Remove the belt from the motor pulley. (See Fig.14.)



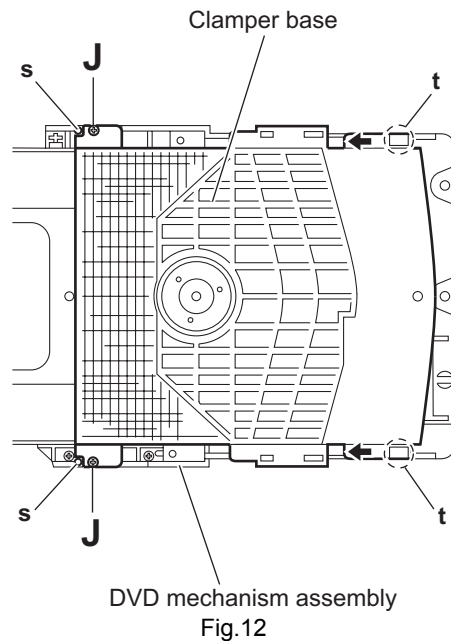
Note:

Take care not to attach grease on the belt.

- (8) Remove the two screws **M** attaching the loading motor to the DVD mechanism assembly and take out the loading motor from the bottom side of the DVD mechanism assembly. (See Fig.14.)

Reference:

Pass the wires through the section **r** after attaching the loading motor to the DVD mechanism assembly. (See Fig.10.)



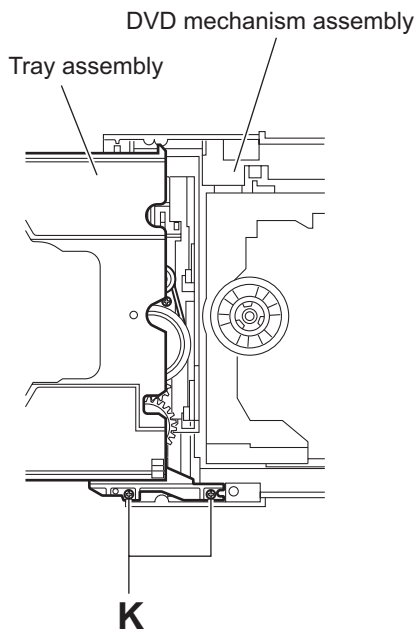


Fig.13

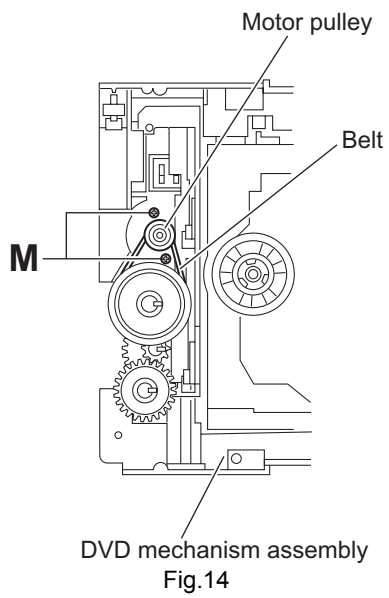


Fig.14

SECTION 4 ADJUSTMENT

4.1 Special mode

4.1.1 Outline

The contents in the special mode of operation, and the definition of a key (remote controller or main unit)

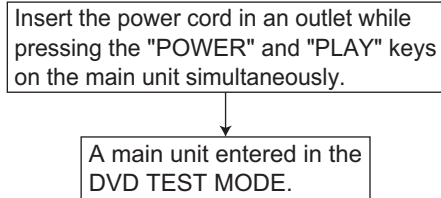
4.1.2 Special mode

1.DVD TEST MODE

It goes into the TEST mode of DVD.

DVD TEST mode is canceled by except DVD source, and POWER OFF.

It is referring to the "4.2 DVD test mode" for details.

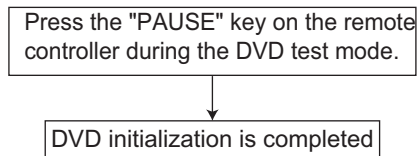


2.DVD NORMAL INITIALIZE

Initialize DVD backend memory.

<RDS> segment of FL will light up if successful.

It is referring to the "4.2 DVD test mode" for details.

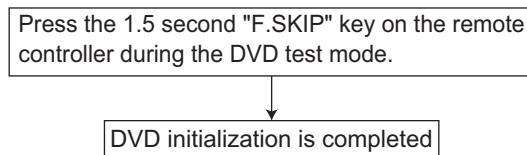


3.DVD FULL INITIALIZE

Initialize DVD memory including frontend.

<RDS> segment of FL will light up if successful.

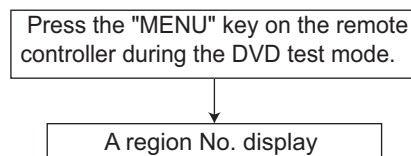
It is referring to the "4.2 DVD test mode" for details.



4.DVD REGION CHECK

FL display in DVD TEST MODE.

It is referring to the "4.2 DVD test mode" for details.



5.FORCED NTSC MODE

It is made compulsive NTSC mode.

From this, with regards to the input of NTSEL_SW, there is nothing only at the time of 1st power on, and it performs NTSC starting.

(Command specification is performed to a module.)

A mode clearance is performed by power off.

VIDEO FORMAT change is prohibited during Forced NTSC mode.

Insert the power cord in an outlet while pressing the "POWER" and "PAUSE" keys on the main unit simultaneously.

A main unit entered in the NTSC mode compulsively.

6.TRAY LOCK

A loader mechanism's tray lock is carried out. In the tray lock function ON state, EJECT processing is not performed to the EJECT key.

And , a LOCK display is performed at this time.

When it turns off a tray lock function, STOP and EJECT KEY are pushed simultaneously again.

Back up ON/OFF of a tray lock.

Press the "STOP" and "OPEN/CLOSE1" keys on the remote controller at standby.

A tray lock is completed.

7.TUNER AM 9k STEP SW (only U version)

AM frequency is changed with 9k STEP.

Press the "STOP" and "PLAY" keys on the main unit simultaneously.

A tuner unit entered in the 9k step mode.

8.TUNER AM 10k STEP SW (only U version)

AM frequency is changed with 10k STEP.

Press the "STOP" and "PAUSE" keys on the main unit simultaneously.

A tuner unit entered in the 10k step mode.

4.1.3 Upgrading of firmware (DVD UPGRADE)

The latest firmware for upgrading is updated in "Optical disc CSG" page in JS-net. At the time of service, compare the version of the product and the latest version, and upgrade the old version into the latest version.

- (1) Press "STANDBY/ON" key of the main body to turn it on.
- (2) Push "OPEN/CLOSE" key of the main body, and insert the upgrade disc in the tray.
- (3) When reading the data of the disc, the OSD screen is displayed "VERSION UP DISC", "PROGRAM & DESTINATION MODE" and "READING..".
- (4) When the screen changes from "READING.." to "WRITING..", upgrading starts.
- (5) After writing the data of the disc, the screen is displayed "OPEN".
- (6) Take out the disc, and press "STANDBY/ON" key of the main body.
- (7) When the stand-by indicator is lighted, upgrading is completed.
- (8) Set the main body at test mode, and confirm the version of the firmware. (Refer to "4.2 Method of displaying version firmware".)

4.1.4 Upgrading of system microcomputer (ROM CORRECTION)

- (1) Press "STANDBY/ON" key of the main body to turn it on.
- (2) Push "OPEN/CLOSE" key of the main body, and insert the upgrade disc in the tray.
- (3) When reading the data of the disc, the OSD screen is displayed "VERSION UP DISC", "SYSCON UPG MODE" and "READING..".
- (4) When the screen changes from "READING.." to "WRITING..", system data is written.
- (5) After writing the data of the disc, the FL display of the main body is displayed "COMPLETE".
- (6) Take out the disc, and press "STANDBY/ON" key of the main body.
- (7) When the stand-by indicator is lighted, upgrading is completed.
- (8) Set the main body at test mode, and confirm the version of the system microcomputer. (Refer to "4.2 Method of displaying version firmware".)

4.2 DVD TEST MODE

This player has a TEST MODE for product QC, service or repair.

Contents as follows. If the DVD TRAY is not completely closed, supply AC power and press POWER ON to close the TRAY.

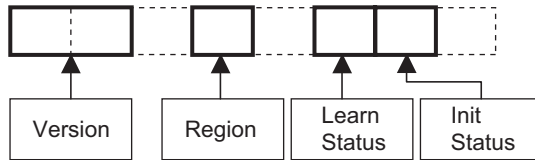
After confirm that the TRAY is completely closed go to standby.

Once LED lights up, pull off the power plug. Reinsert the AC power plug to the outlet while pressing, "POWER" and "STOP" button at the front panel of the set.

TEST MODE has the 7 different steps. Press MENU key on the remote control to change the steps.

TEST MODE is canceled by the POWER key.

STEP 1:



Version & Region explanation. Refer to next page.

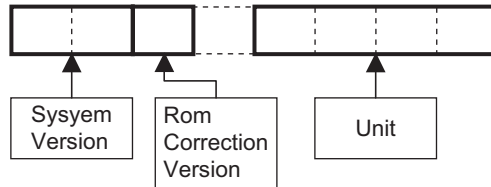
Learn Status
Bit 0 - already learn DVD
Bit 1 - already learn CD
Bit 2 - already checked BCA area
Init Status
0x00 - normal init
0x01 - all init (above + FE)
0xFF - not yet init

Region
0 - RF
1 - USA, Canada
2 - Europe, Middle East, Japan, South Africa
3 - S.Korea, Taiwan, HK, ASEAN
4 - Australia, NZ, Latin America
5 - Ex-Soviets, Indian sub-continent, Africa
6 - China
7 - Reserved
8 - International territory (airplanes, cruise ship, etc.)

STEP 2:

CPRM checksum (If Device key not input - FFFF)

STEP 3:



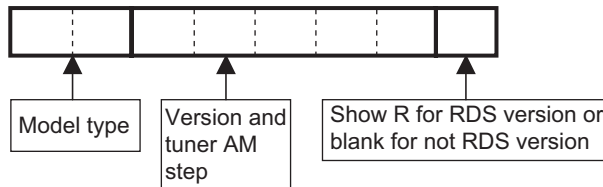
STEP 4:

Indicator check mode. All FL segment light up.

STEP 5:

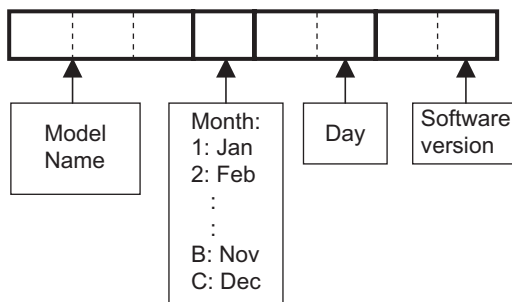
Mechanism check mode. In this mode player displays "CHECK".

STEP 6:



STEP 7:

System micon version



4.3 How to repair after carried out full-initialize

- (1) Learning DVD
playback VT-501
- (2) Learning CD
playback CTS-1000
- (3) standby mode (push power key)
- (4) Checking BCA
insert V-2805
test mode (press POWER and STOP button together during AC power plug in)
check mode (press menu key of remote controller)
BCA check (press +10 key of remote controller)
FL indication change "0000 0000" to "0000 0001" and Disc auto stop
- (5) standby mode (push power key)

4.4 Rating Source, Region Code

Area Code	Video Signal	Rating Source Rating Frequency	FL indicate of Area Code in Test mode	Region Code
B/E/EN/EV	PAL	AC230V 50Hz	E	2
EE	NTSC	AC230V 50Hz	EE	5
J/C	NTSC/PAL	AC120V 60Hz	JC	1
UJ		AC110,127,220,230-240V 50/60Hz	1U	1
US/UN		AC110,127,220,230-240V 50/60Hz	3U	3
UB		AC220V 50Hz	UB	3
UT		AC110,127,220,230-240V 50/60Hz	UT	3
UF/UFC		AC220V 50Hz	UF	6
UW/UY		AC110,127,220,230-240V 50/60Hz	4U	4
UX/UG		AC110,127,220,230-240V 50/60Hz	2U	2
A		AC240V 50Hz	4U	4

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



JVC

Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB421)

JVC

SCHEMATIC DIAGRAMS

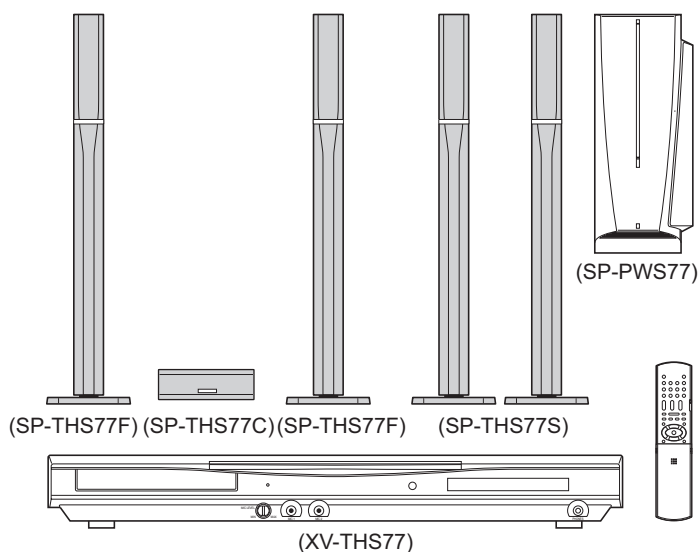
DVD DIGITAL CINEMA SYSTEM

TH-S77

CD-ROM No.SML200507

Area suffix

US ----- Singapore
UP ----- Korea
UT ----- Taiwan
UX ----- Saudi Arabia
UG --- Turkey, South Africa, Egypt
UN ----- Asean



Digital Direct Progressive Scan

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

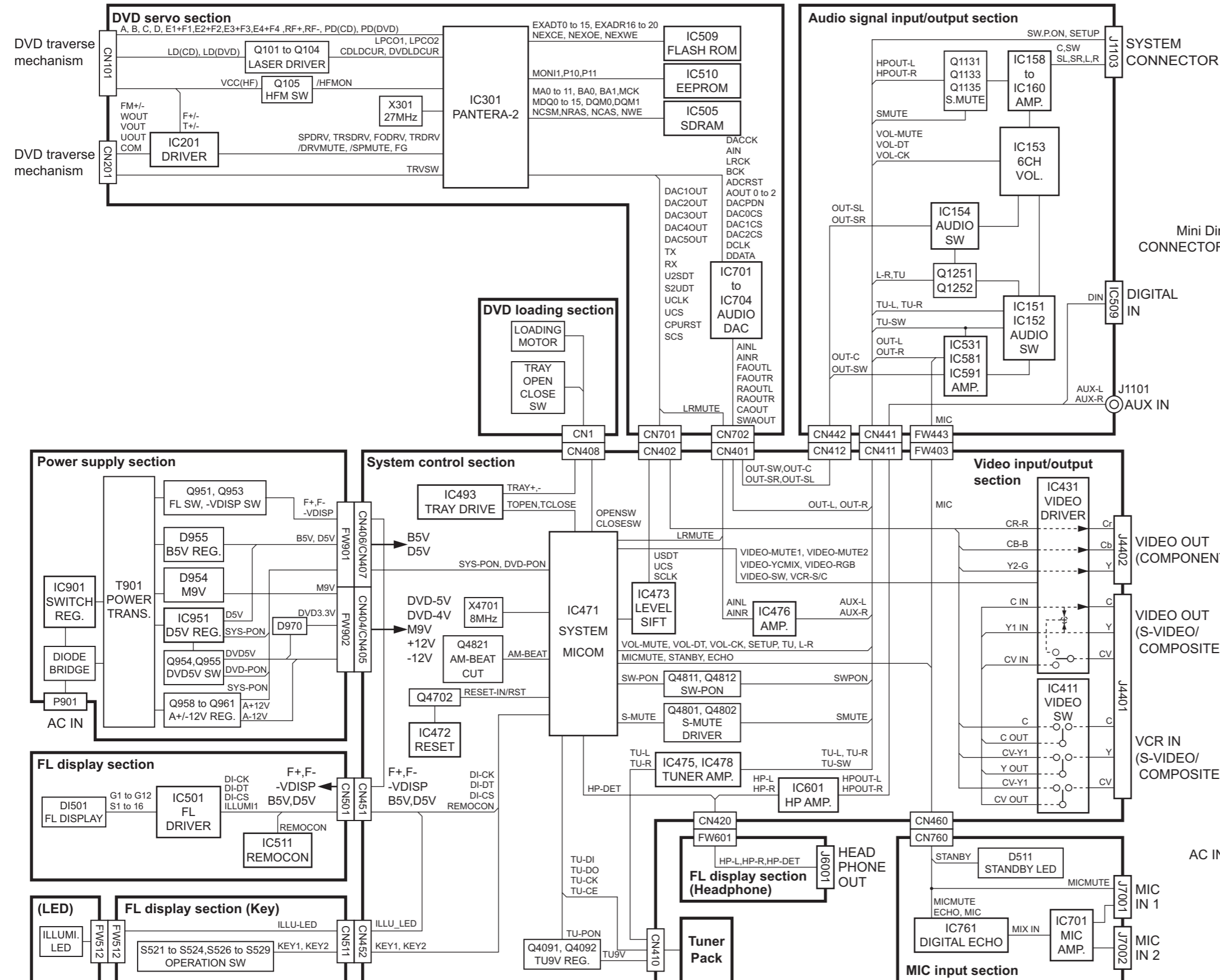
Contents

Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-13 to 16

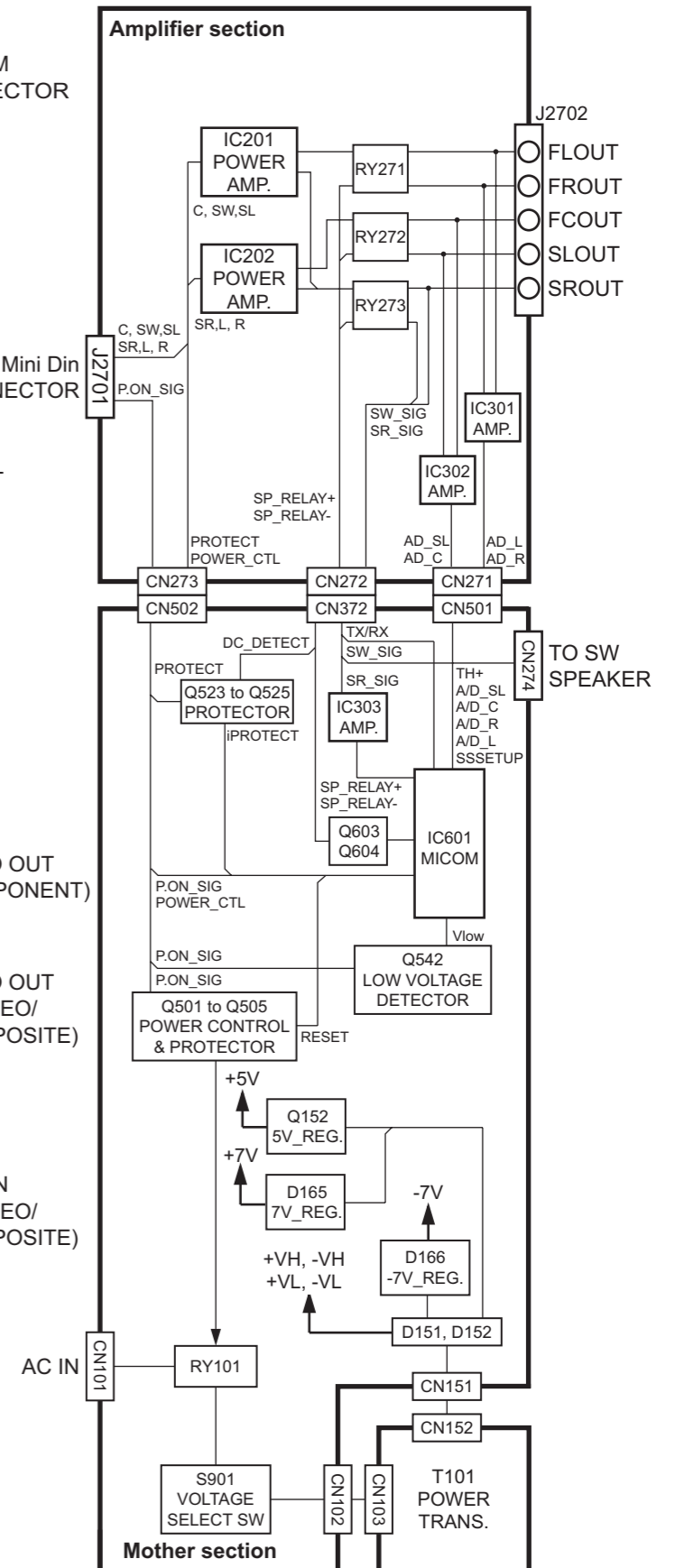
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (⊣) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

Block diagram

<Main body section>



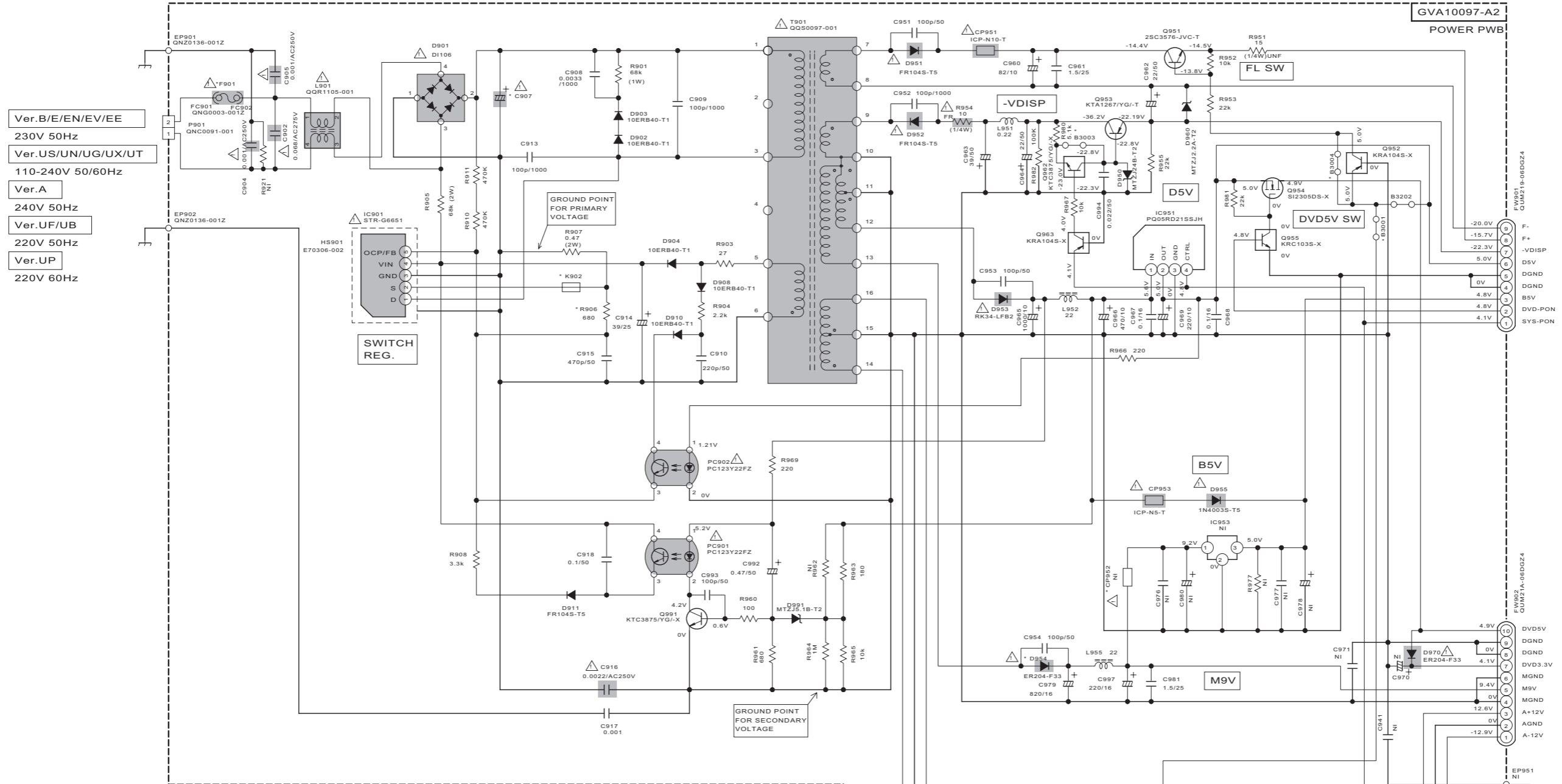
<Subwoofer section>



Standard schematic diagrams

<Main body section>

■ Power supply section



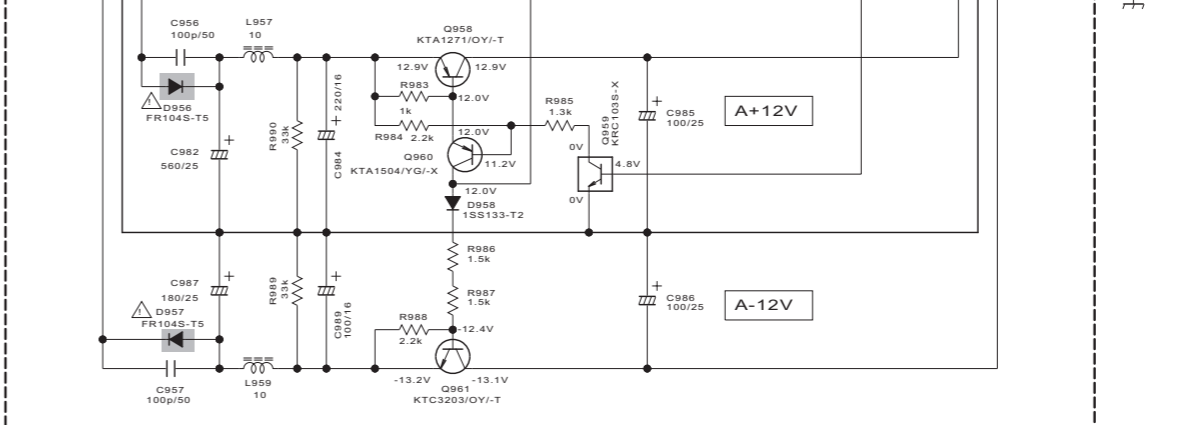
- Ver.B/E/EN/EV/EE
- 230V 50Hz
- Ver.US/UN/UG/UX/UT
- 110-240V 50/60Hz
- Ver.A
- 240V 50Hz
- Ver.UF/UB
- 220V 50Hz
- Ver.UP
- 220V 60Hz

REF No.	Ver.	ADDRESS	B/E/EN/EE/ EV	UG/US/UN/UX/UT /UP/UF/A/UB
*F901	(A-3)	QMF51W2-1R6-J8 (T1.6AL)	QMF51W2-1R6-J8 (T1.6AL)	
*K902	(C-5)	0 (B3199)	0 (B3199)	
*P901	(B-2)	QNC0091-001	QNC0091-001	
*B3001 B3003 B3004	(C-12) (B-10) (B-12)	NONE	NONE	

VERSION CODES	
J	: U.S.A.
C	: CANADA
E	: GERMANY/FRANCE/HOLLAND
B	: GREAT BRITAIN
EE	: RUSSIA
EN	: SWEDEN/NORWAY/FINLAND/DENMARK
EV	: EAST EUROPE
A	: AUSTRALIA
UW	: BRAZIL/MEXICO/PERU
US	: SINGAPOLE
UJ	: USA MILITARY BASE
UN	: INDONESIA
UT	: TAIWAN
UG	: TURKEY/EGYPT/SOUTHAFRICA

REF No.	Ver.	ADDRESS	D	J/C	B/E/EN/EE/ EV /A/UB/UP/UF/UT	US/UN/UG/UX
*C907	(B-5)		(100/200)	(120/200)	QE20688-686 (68/400)	QE20688-107 (100/400)
*D954	(F-9)	FR104S-T5		FR104S-T5	FR104S-T5	FR104S-T5

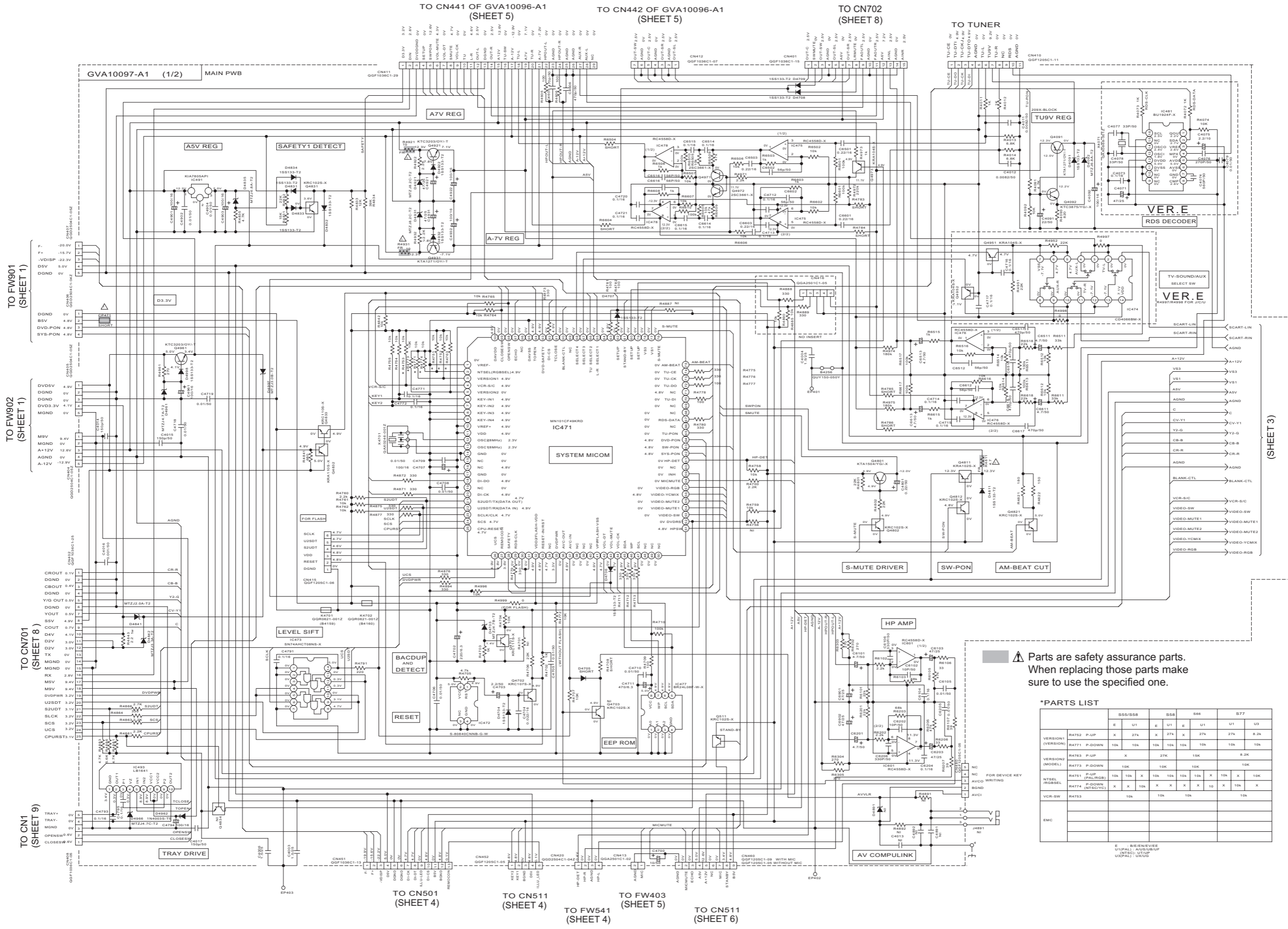
▲ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



TO CN406.CN407 OF GVA10097-A1 (SHEET 2)

TO CN404.CN405 OF GVA10097-A1 (SHEET 2)

System control section



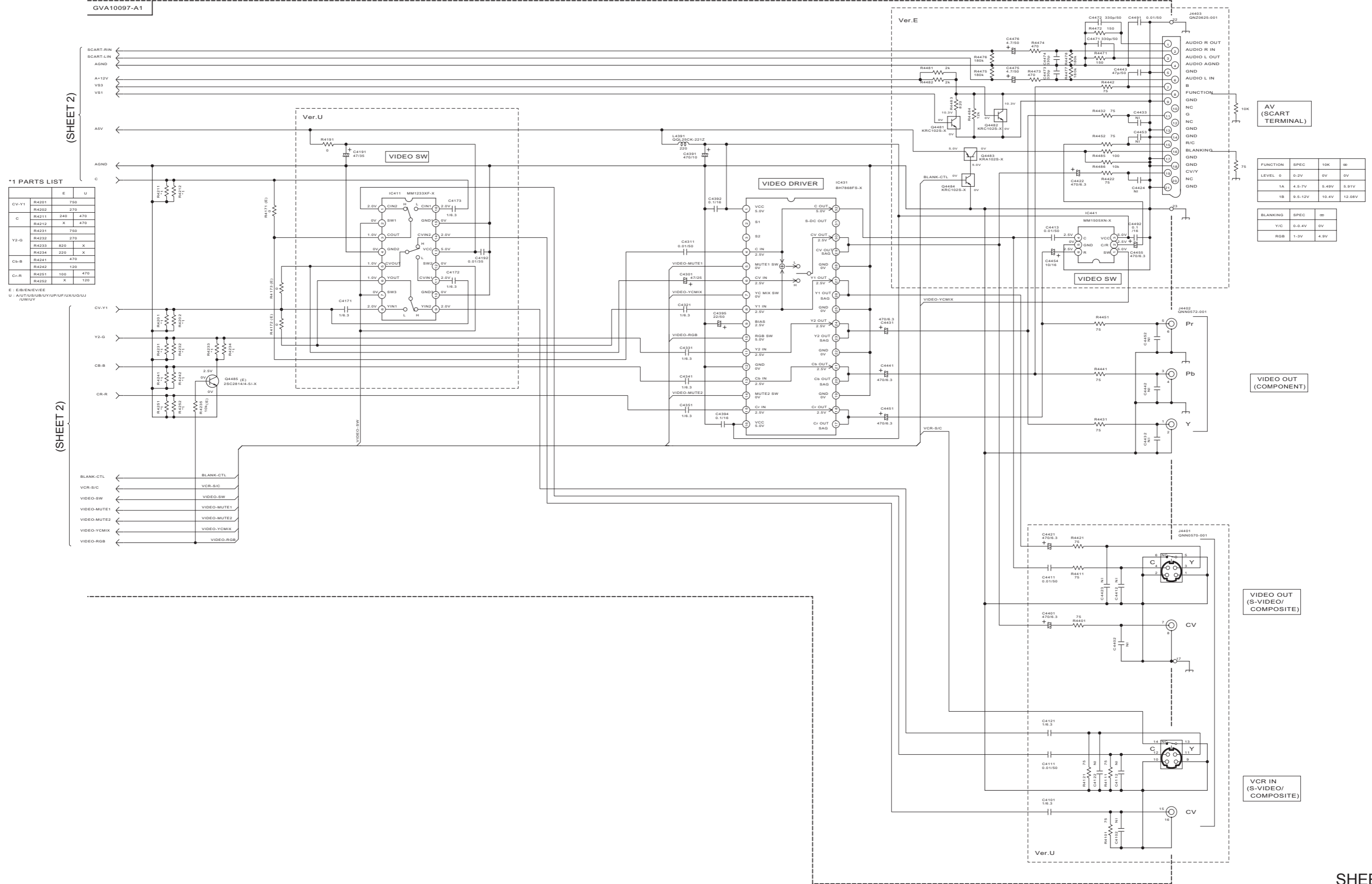
Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

***PARTS LIST**

VERSION1 (VERSION)	R4752 P-UP	S55/S58		S58		S66		S77	
		E	U1	E	U1	E	U1	E	U1
VERSION1 (VERSION)	R4752 P-UP	X	27k	X	27k	X	27k	X	8.2k
VERSION2 (VERSION)	R4771 P-DOWN	10k	10k	10k	10k	10k	10k	10k	10k
VERSION1 (VERSION)	R4763 P-UP	X	27k	X	27k	X	27k	X	8.2k
VERSION2 (VERSION)	R4773 P-DOWN	10k	10k	10k	10k	10k	10k	10k	10k
NTSEL (R/BSSEL)	R4751 P-UP (PAL/RGB)	10k	10k	X	10k	10k	X	10k	X
	R4774 P-DOWN (INT/SC)	X	X	10k	X	X	10k	X	10k
VCR-SW	R4753	10k	10k	10k	10k	10k	10k	10k	10k

5. BE/RENEVEUE U1(R4751, R4752, R4753, R4771, R4773, R4774, R4775, R4776, R4777, R4778, R4779, R4780, R4781, R4782, R4783, R4784, R4785, R4786, R4787, R4788, R4789, R4790, R4791, R4792, R4793, R4794, R4795, R4796, R4797, R4798, R4799, R4800, R4801, R4802, R4803, R4804, R4805, R4806, R4807, R4808, R4809, R4810, R4811, R4812, R4813, R4814, R4815, R4816, R4817, R4818, R4819, R4820, R4821, R4822, R4823, R4824, R4825, R4826, R4827, R4828, R4829, R4830, R4831, R4832, R4833, R4834, R4835, R4836, R4837, R4838, R4839, R4840, R4841, R4842, R4843, R4844, R4845, R4846, R4847, R4848, R4849, R4850, R4851, R4852, R4853, R4854, R4855, R4856, R4857, R4858, R4859, R4860, R4861, R4862, R4863, R4864, R4865, R4866, R4867, R4868, R4869, R4870, R4871, R4872, R4873, R4874, R4875, R4876, R4877, R4878, R4879, R4880, R4881, R4882, R4883, R4884, R4885, R4886, R4887, R4888, R4889, R4890, R4891, R4892, R4893, R4894, R4895, R4896, R4897, R4898, R4899, R4900, R4901, R4902, R4903, R4904, R4905, R4906, R4907, R4908, R4909, R4910, R4911, R4912, R4913, R4914, R4915, R4916, R4917, R4918, R4919, R4920, R4921, R4922, R4923, R4924, R4925, R4926, R4927, R4928, R4929, R4930, R4931, R4932, R4933, R4934, R4935, R4936, R4937, R4938, R4939, R4940, R4941, R4942, R4943, R4944, R4945, R4946, R4947, R4948, R4949, R4950, R4951, R4952, R4953, R4954, R4955, R4956, R4957, R4958, R4959, R4960, R4961, R4962, R4963, R4964, R4965, R4966, R4967, R4968, R4969, R4970, R4971, R4972, R4973, R4974, R4975, R4976, R4977, R4978, R4979, R4980, R4981, R4982, R4983, R4984, R4985, R4986, R4987, R4988, R4989, R4990, R4991, R4992, R4993, R4994, R4995, R4996, R4997, R4998, R4999, R5000.

Video input/output section



*1 PARTS LIST

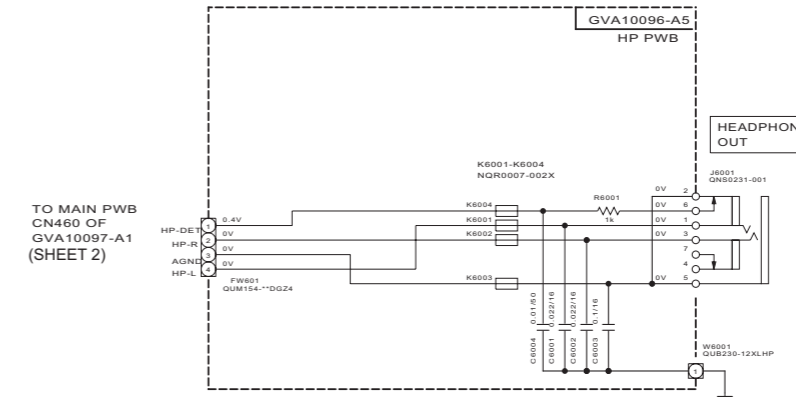
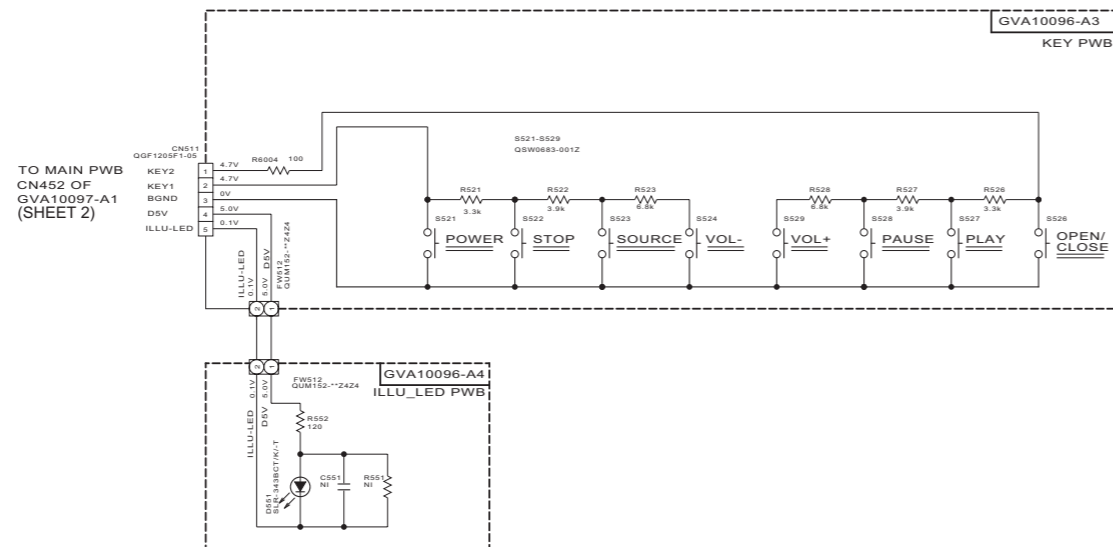
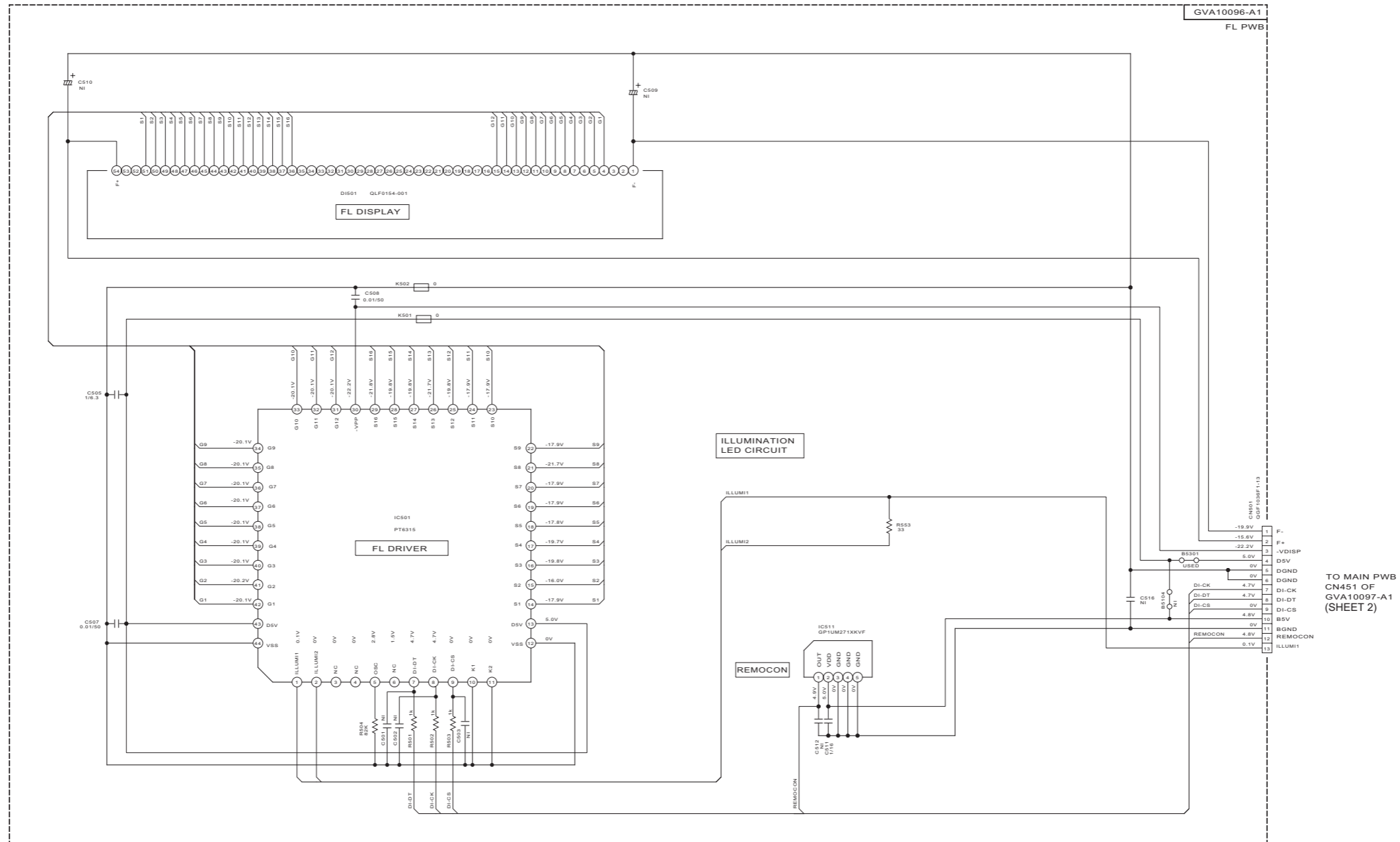
	E	U
CV-Y1	R4201	750
	R4202	270
C	R4211	240 470
	R4212	X 470
	R4231	750
Y2-G	R4232	270
	R4233	820 X
	R4234	220 X
CB-B	R4241	470
	R4242	120
CR-R	R4251	180 470
	R4252	X 120

E: EMI/EMV
U: A/U/T/S/B/U/Y/P/R/F/U/K/G/D/J/W/V/Y

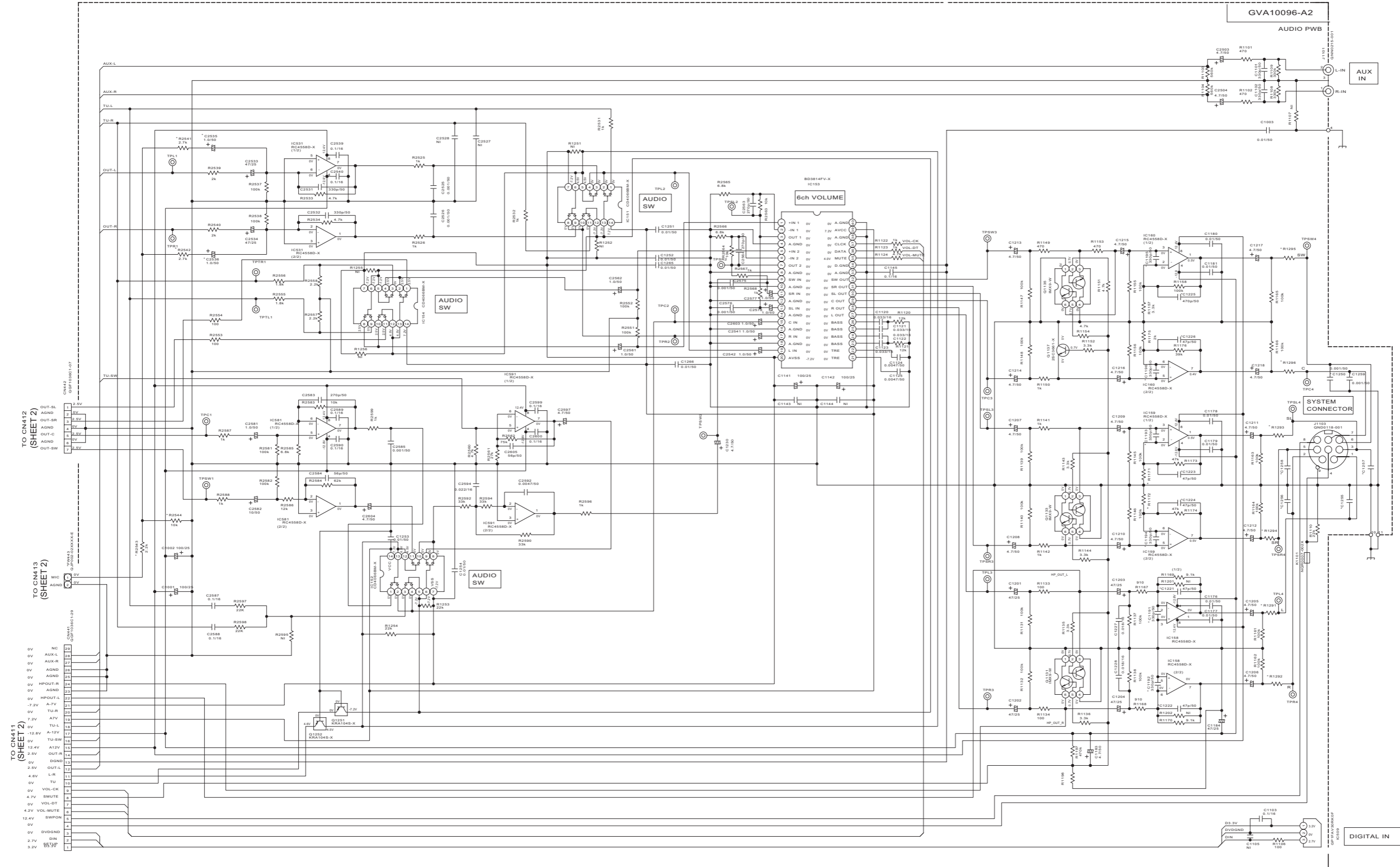
FUNCTION	SPEC	10K	∞
LEVEL 0	0-2V	0V	0V
1A	4.5-7V	5.49V	5.91V
1B	9.5-12V	10.4V	12.08V

BLANKING	SPEC	∞
Y/C	0-0.4V	0V
RGB	1-3V	4.9V

FL display section



Audio signal input/output section



***PART LIST FOR MIC LINE**

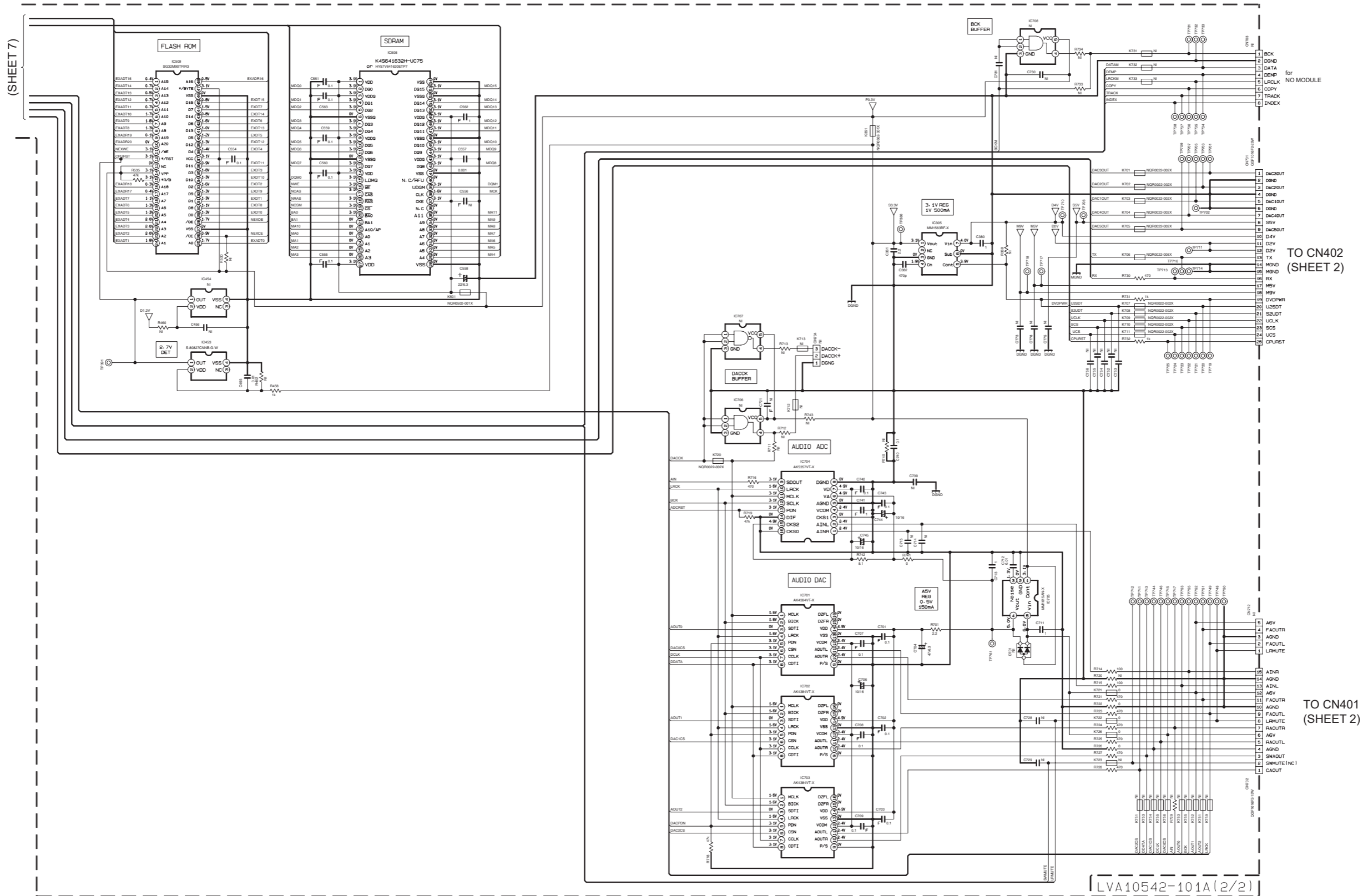
MODEL	REF. NO.	R2541 R2542	C2535 C2536	R2543	R2544	FW443
XV-THS55/S57/S58/S66	NI	NI	NI	NI	NI	NI
XV-THS77	2.7K	1.0/50	2.2k	10k	INSERT	

***PART LIST FOR GAIN CONTROL**

MODEL	REF. NO.	R1171 R1172
XV-THS55/S57		1.5k
XV-THS58/S66/S77		2.4k

***PART LIST FOR EMC COUNTERMEASURE**

REF. NO.	VERSION	B/E/EN/VE/EE/UP	A/UT/US/UX/UN/UG/UB/UF
C1191 - 1196		330p/50	NI
C1221 - 1224, C1226		NI	47p/50
C1225		NI	470p/50
C1255 - 1258		0.001/50	100p/50
C1259, C1250		0.001/50	NI
R1291 - 1296		100	SHORT CIRCUIT

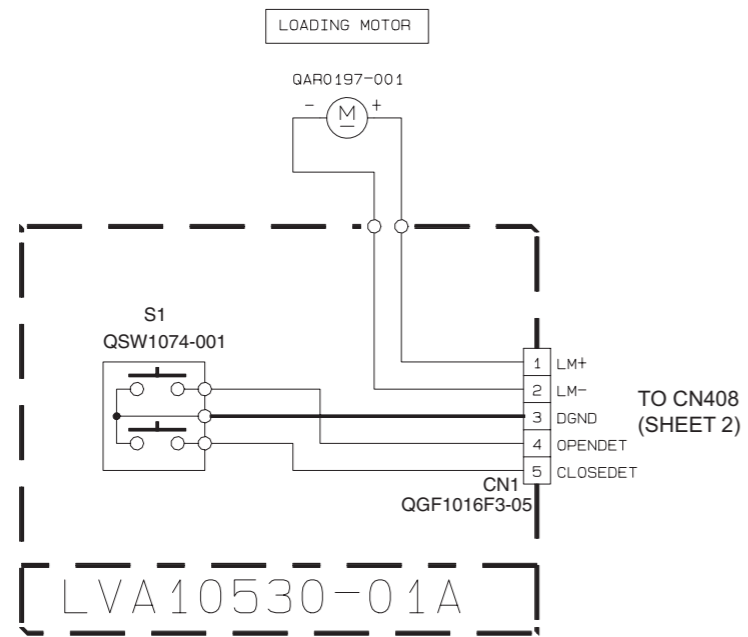


NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP mode.
- UNLESS OTHERWISE SPECIFIED: ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR OR 0.5X METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V, 25V, 16V, 10V OR 6.3V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN Ω(M). ALL CAPACITANCE VALUES ARE IN μF(PF). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH(MMH).
- NI STANDS FOR NOT INSERTED PARTS.

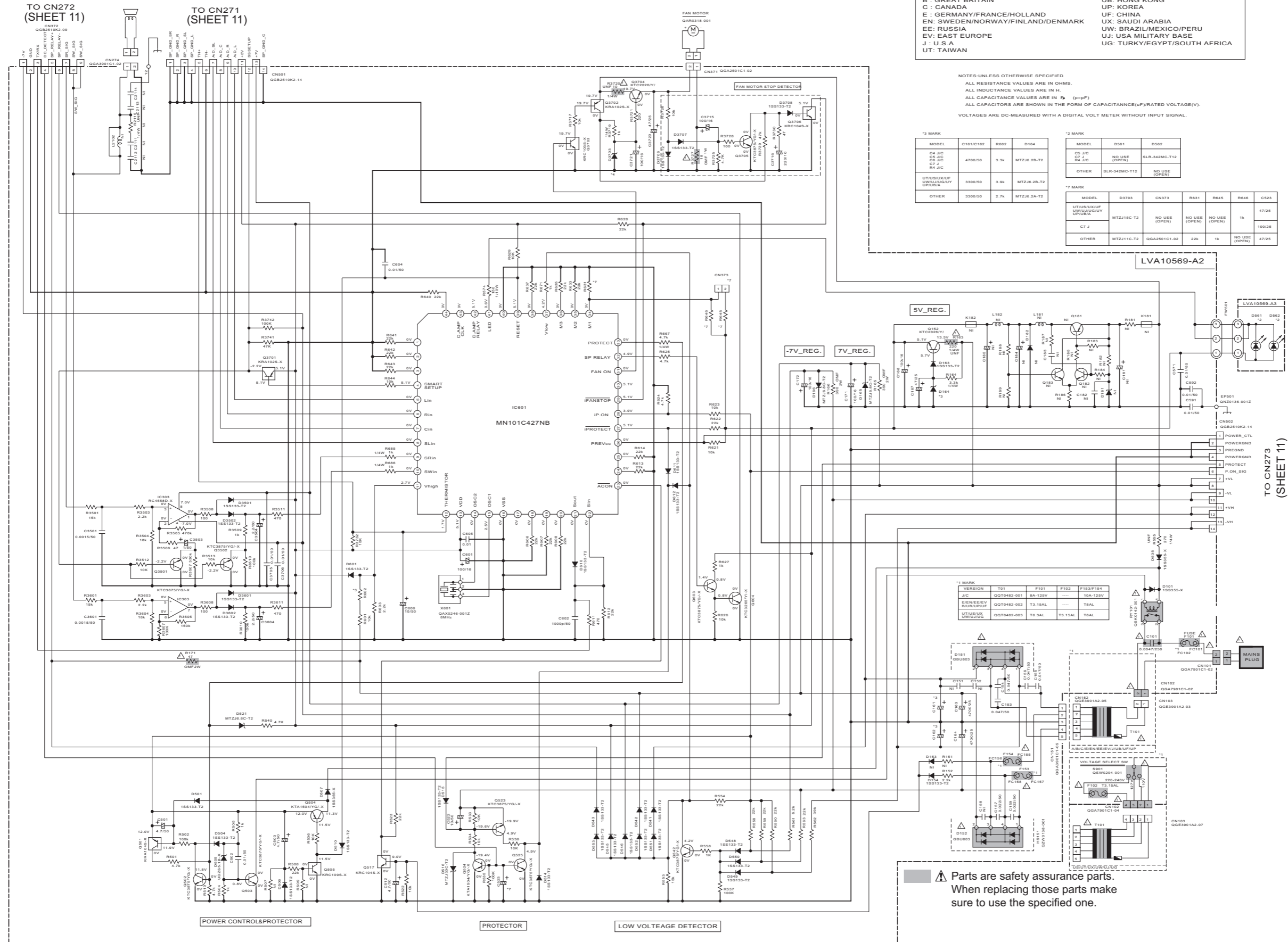
■ DVD loading section

< MEMO >



<Subwoofer section>

■ Mother section



VERSION

A : AUSTRALIA	US : SINGAPOLE
B : GREAT BRITAIN	UB : HONG KONG
C : CANADA	UP : KOREA
E : GERMANY/FRANCE/HOLLAND	UF : CHINA
EN : SWEDEN/NORWAY/FINLAND/DENMARK	UX : SAUDI ARABIA
EE : RUSSIA	UW : BRAZIL/MEXICO/PERU
EV : EAST EUROPE	UJ : USA MILITARY BASE
J : U.S.A	UG : TURKY/EGYPT/SOUTH AFRICA
UT : TAIWAN	

NOTES UNLESS OTHERWISE SPECIFIED
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN F (pPF)
 ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V).
 VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.

*3 MARK

MODEL	C1610C162	R602	D164
C4 J/C	4700/50	3.3k	MTZJ6-2B-T2
C5 J/C			
C6 J/C			
UT/US/UK/JP/UR/UA/UG/UY/UP/UB/UA	3300/50	3.9k	MTZJ6-2B-T2
OTHER	3300/50	2.7k	MTZJ6-2A-T2

*2 MARK

MODEL	D561	D562
C5 J/C		
C6 J/C		
UT/US/UK/JP/UR/UA/UG/UY/UP/UB/UA	NO USE (OPEN)	SLR-342MC-T12
OTHER	SLR-342MC-T12	NO USE (OPEN)

*7 MARK

MODEL	D3703	CN373	R631	R645	R646	C523
UT/US/UK/JP/UR/UA/UG/UY/UP/UB/UA			NO USE (OPEN)	NO USE (OPEN)	NO USE (OPEN)	1k
C7 J	MTZJ11C-T2					100/25
OTHER	MTZJ11C-T2	QGA2501C1-02	22k	1k	NO USE (OPEN)	47/25

*1 MARK

VERSION	T01	F101	F102	F153/F154
J/C	QGT0462-001	8A.15AL	---	50A-125V
EE/EN/EE/UP/UF	QGT0462-002	T3.15AL	---	TRAL
UT/US/UK/JP/UR/UA/UG/UY	QGT0462-003	T6.3AL	T5.15AL	TRAL

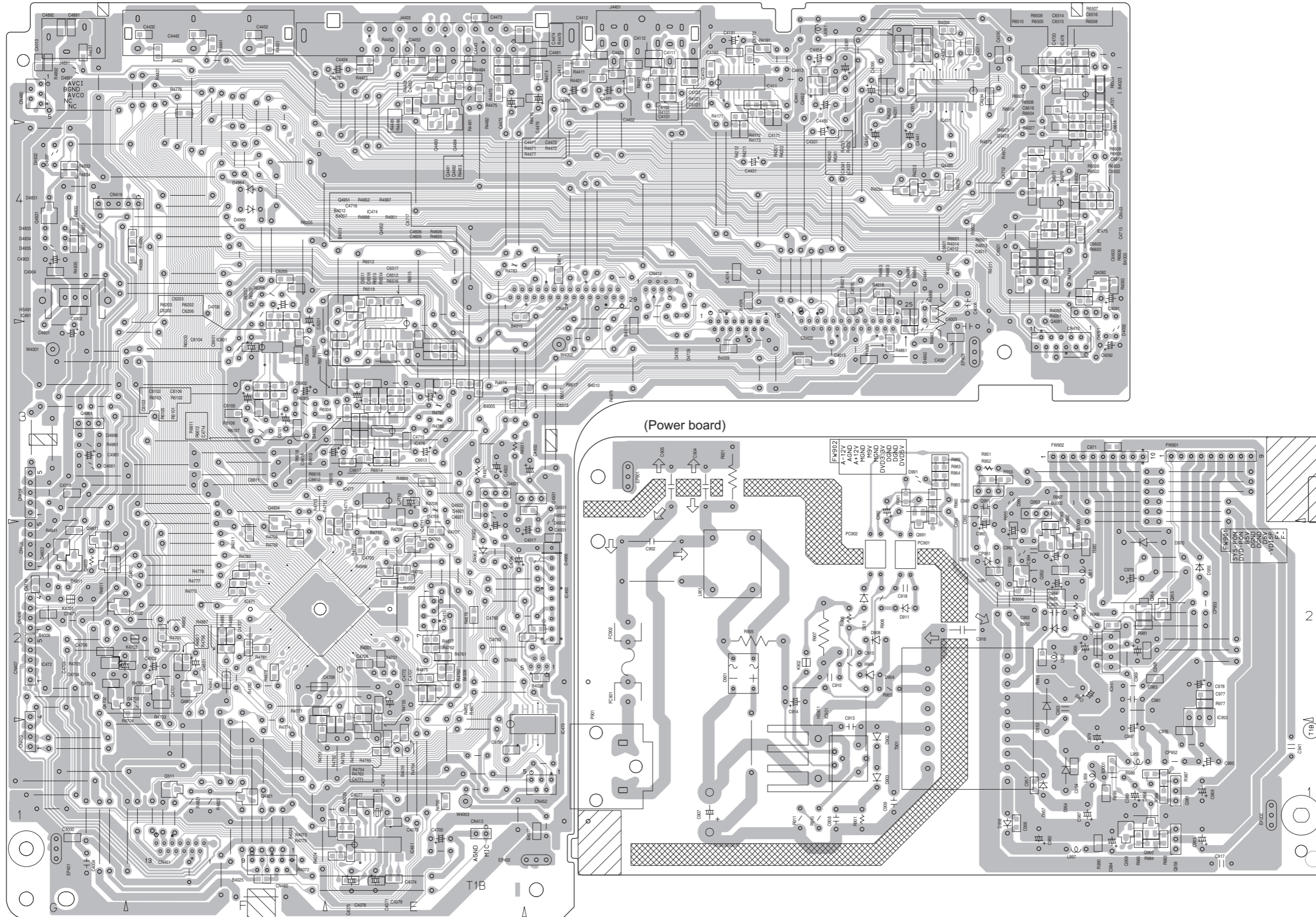
⚠ Parts are safety assurance parts.
 When replacing those parts make sure to use the specified one.

Printed circuit boards

<Main section>

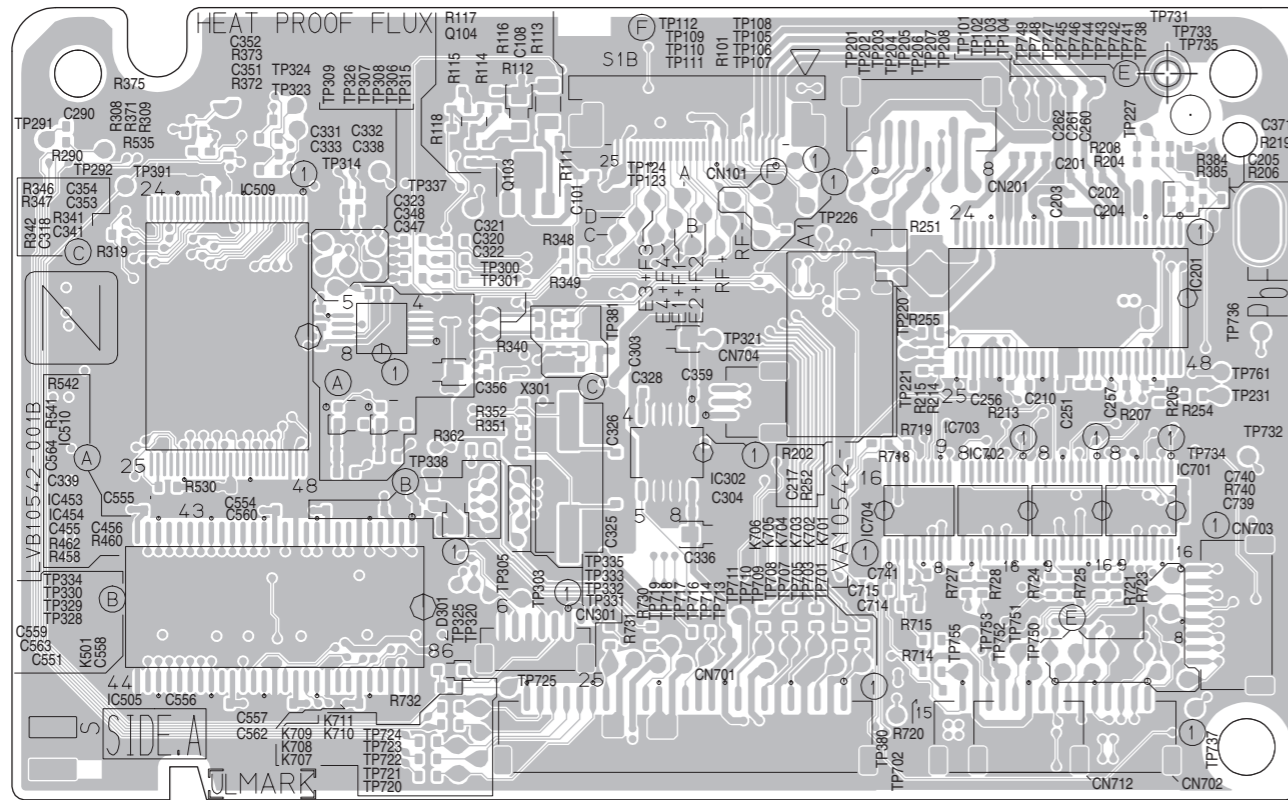
■ Main board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Main board)

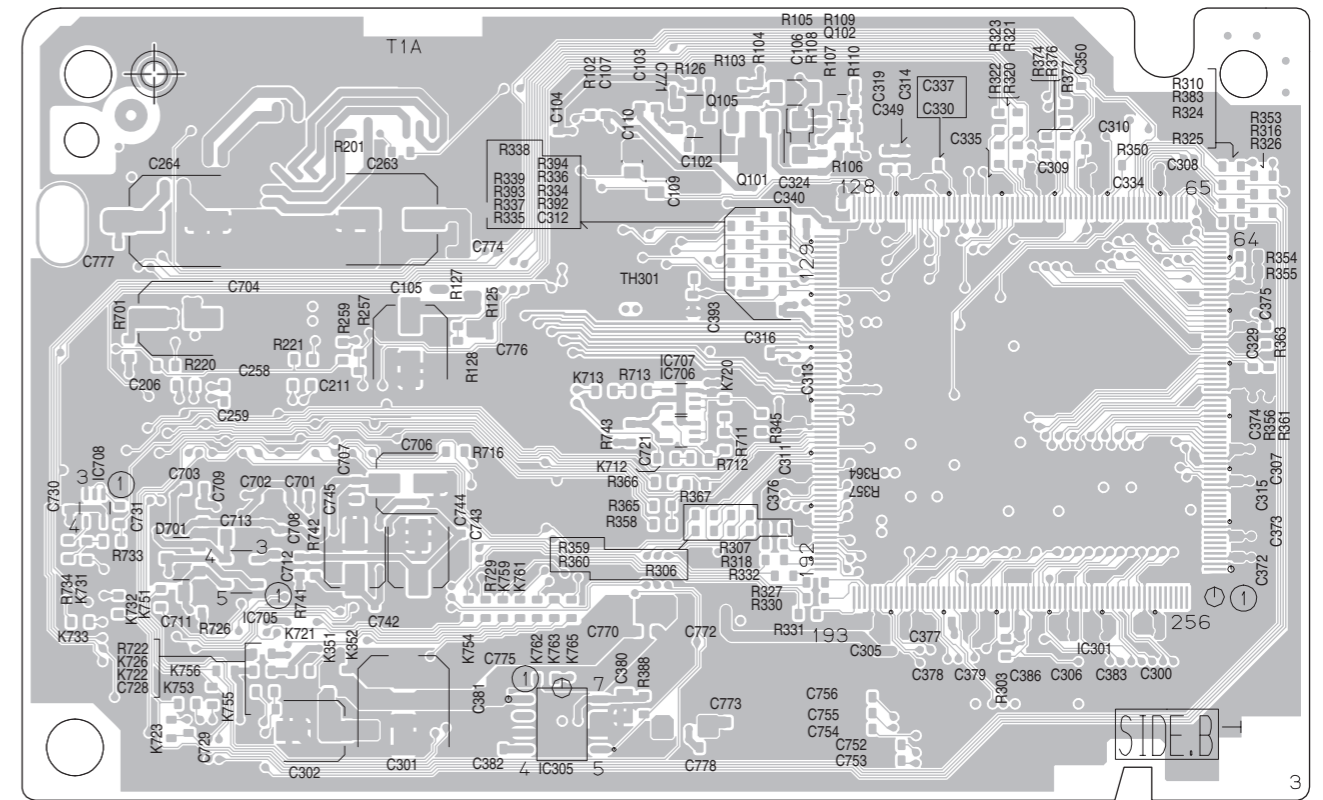


■ DVD servo board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

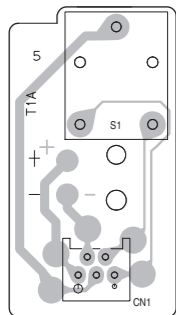
Forward side



Reverse side



■ DVD loading board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

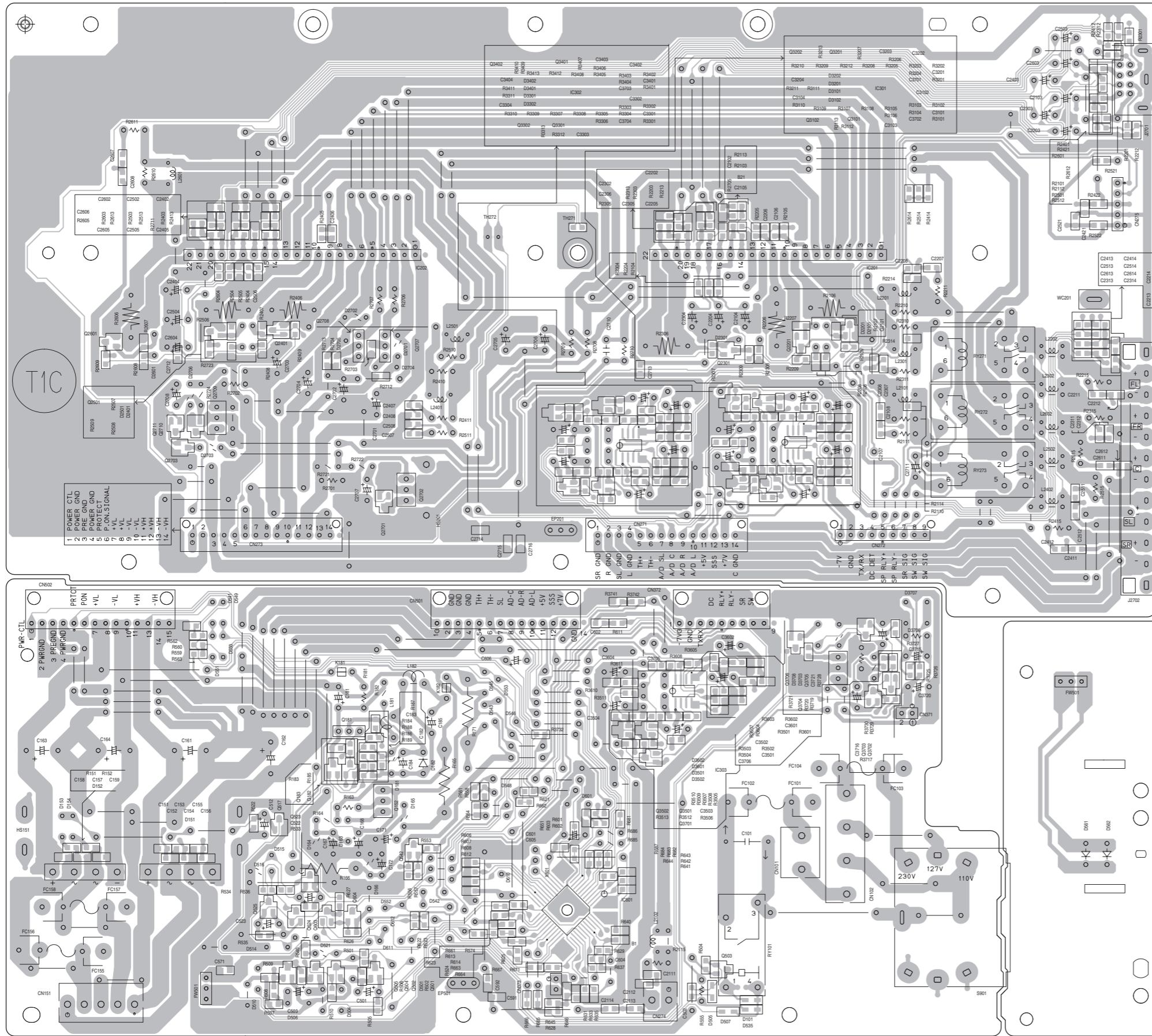


<Subwoofer section>

■ Mother board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Amp. board)



< MEMO >

JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB421SCH)



Printed in Japan
VPT

PARTS LIST

[TH-S77]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

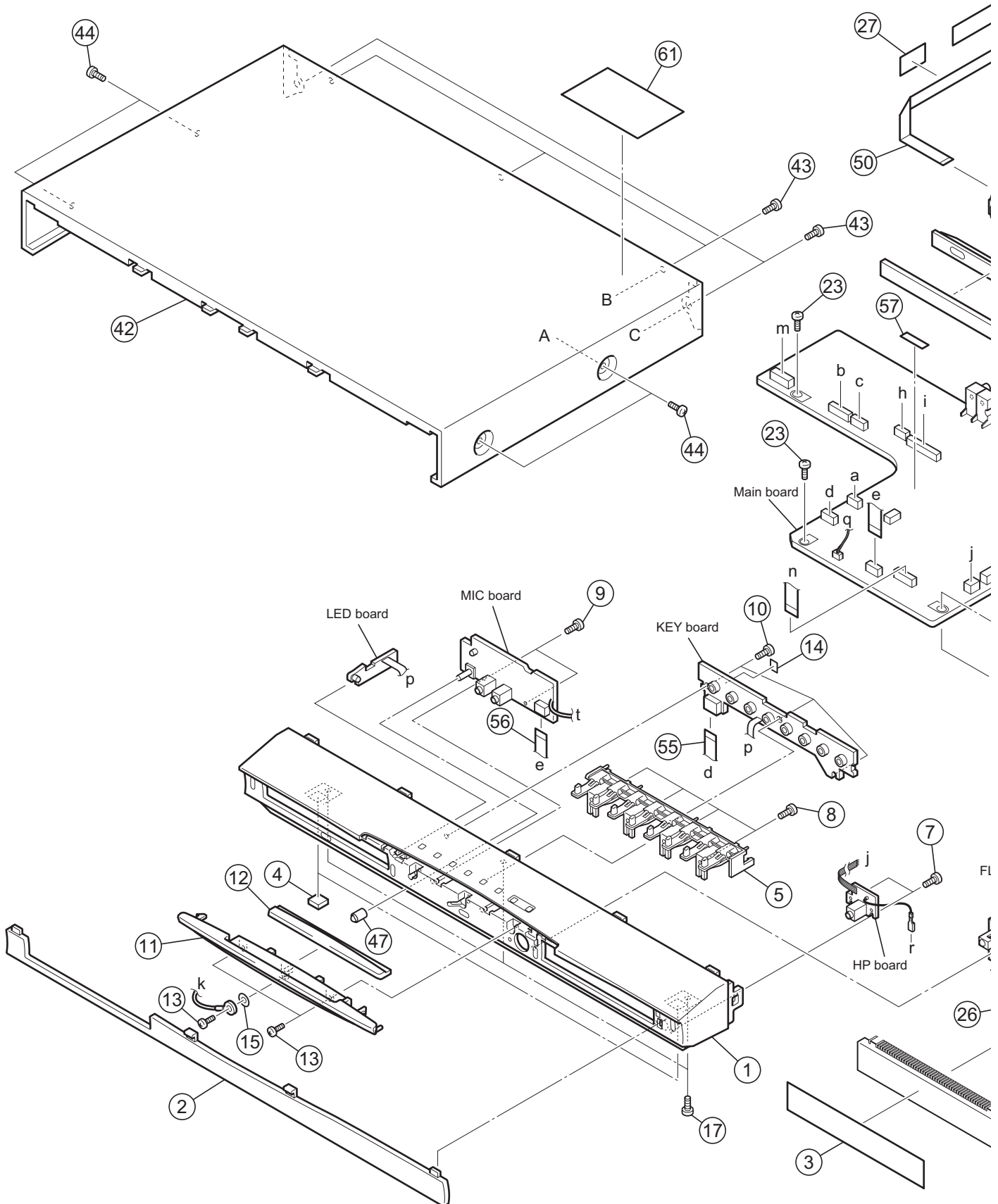
US ----- Singapore
UP ----- Korea
UT ----- Taiwan
UX ----- Saudi Arabia
UG - Turkey, South Africa, Egypt
UN ----- Asean

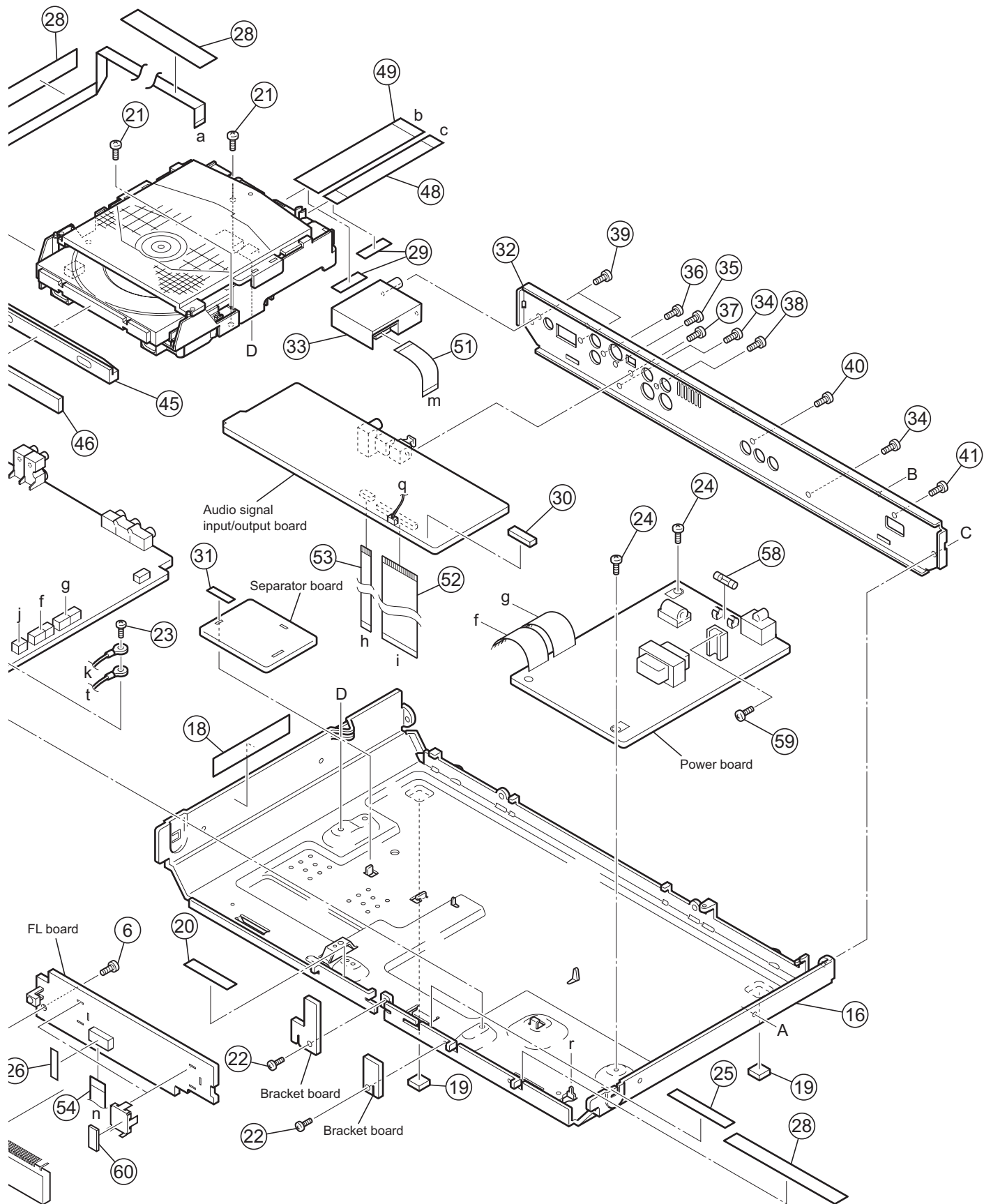
- Contents -

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Electrical parts list (Block No.01~05)	3-11
Packing materials and accessories parts list (Block No.M3)	3-22

Exploded view of general assembly and parts list

Block No. M 1 M M





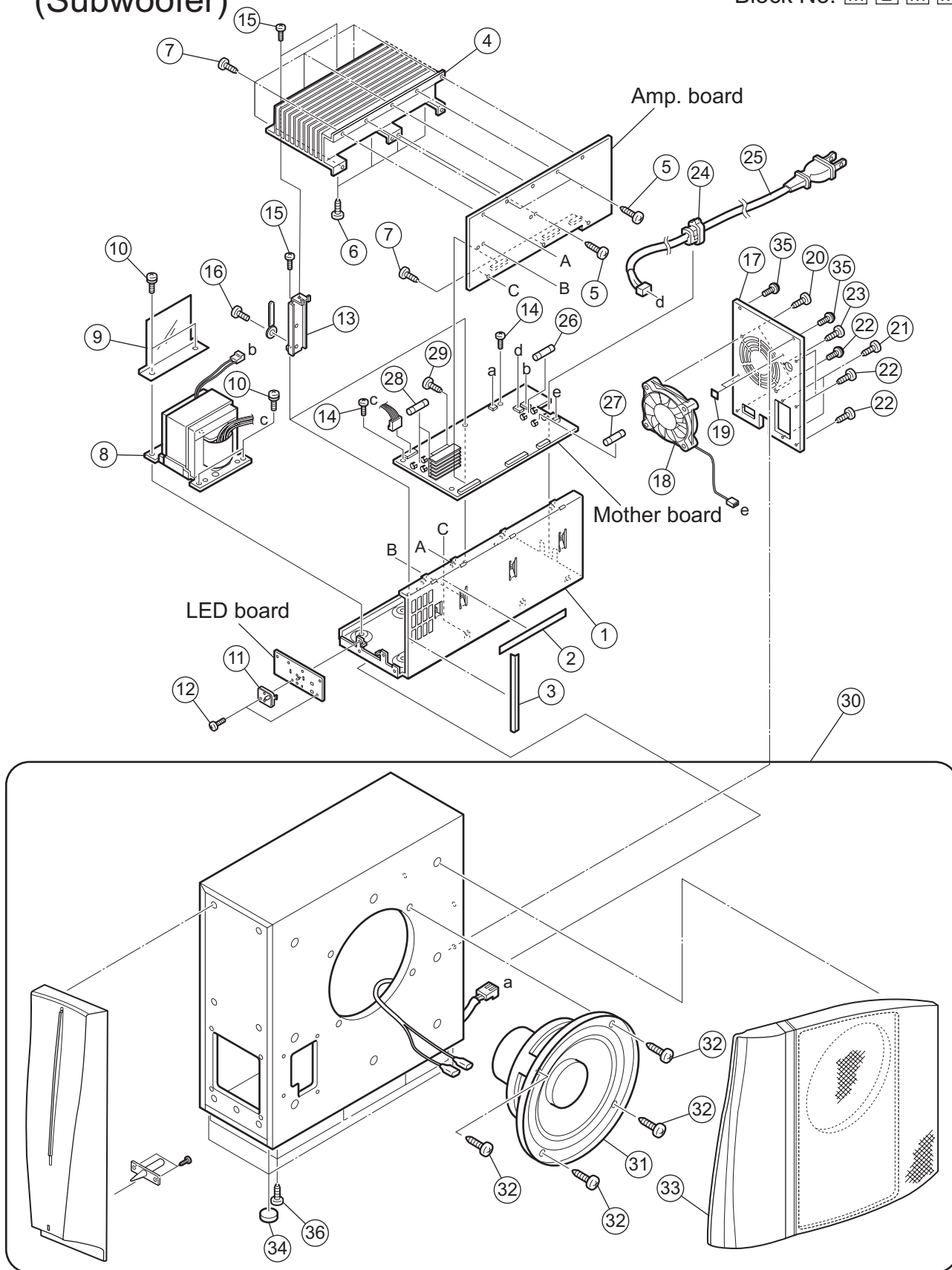
General Assembly

Block No. [M][1][M][M]

Symbol No.	Part No.	Part Name	Description	Local
1	GV10256-002A	FRONT PANEL		
2	GV20351-001A	PANEL LENS		
3	GV40592-001A	FL FILTER		
4	LV40301-002A	FELT SPACER	(x2)	
5	GV10266-001A	CONTROL BUTTON		
6	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	
7	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
8	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
9	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
10	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x3)	
11	GV30709-002A	ORNAMENT		
12	GV30708-001A	LIGHT LENS		
13	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x3)	
14	E3400-431	SPACER		
15	QYWAS275703ZA	WASHER	5.7mm/2.7mm x 0.3mm	
16	GV10258-001A	CHASSIS BASE		
17	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x3)	
18	LV41843-002A	LASER CAUTION		
19	LV40301-002A	FELT SPACER	(x2)	
20	GV30349-025A	SPACER		
21	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
22	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
23	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x3)	
24	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
25	LV30225-079A	SPACER		
26	GV40121-005A	SPACER		
27	LV30225-035A	SPACER		
28	GV30349-032A	SPACER	(x3)	
29	GV40121-005A	SPACER	(x2)	
30	GV30349-055A	SPACER		
31	GV40121-005A	SPACER		
32	GV20345-024A	REAR PANEL		UP
32	GV20345-021A	REAR PANEL		UN,US
32	GV20345-023A	REAR PANEL		UT
32	GV20345-020A	REAR PANEL		UG,UX
33	QAU0347-001	TUNER		UP
33	QAU0346-001	TUNER	TU 1	UG,UN,US,UT,UX
34	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
35	QYSBST3006EA	TAP SCREW	M3 x 6mm	
36	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
37	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
38	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
39	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
40	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
41	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
42	GV10267-001A/S/	METAL COVER		
43	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x5)	
44	E406308-007	SCREW	(x4)	
45	GV30707-001A	FITTING BASE		
46	GV40591-007A	FITTING LENS		
47	GV40017-006A	MIC VOL.KNOB		
48	QUQH10-1511AJ-E	FFC WIRE	15pin 11cm	
49	QUQH10-2511AJ-E	FFC WIRE	25pin 11cm	
50	QUQH10-0534BJ-E	FFC WIRE	5pin 34cm	
51	QUQH12-1111AJ-E	FFC WIRE	11pin 11cm	
52	QUQH10-2908AJ-E	FFC WIRE	29pin 8cm	
53	QUQH10-0708AJ-E	FFC WIRE	7pin 8cm	
54	QUQH10-1316AJ-E	FFC WIRE	13pin 16cm	
55	QUQH12-0508AJ-E	FFC WIRE	5pin 8cm	
56	QUQH12-0909AJ-E	FFC WIRE	9pin 9cm	
57	GV40121-005A	SPACER		
58	QMF51W2-1R6-J8	FUSE	F 901 1.6A AC250V	
59	QYSBSF3008ZA	TAP SCREW	M3 x 8mm	
60	GV30349-020A	FELT SPACER	(x2)	
61	GV30759-009A	UT LABEL		UT
61	GV30230-014A	UP LABEL		UP

Speaker assembly and parts list (Subwoofer)

Block No. **M 2 M M**



The parts without symbol number are not service.

Speaker(Subwoofer)

Block No. [M][2][M][M]

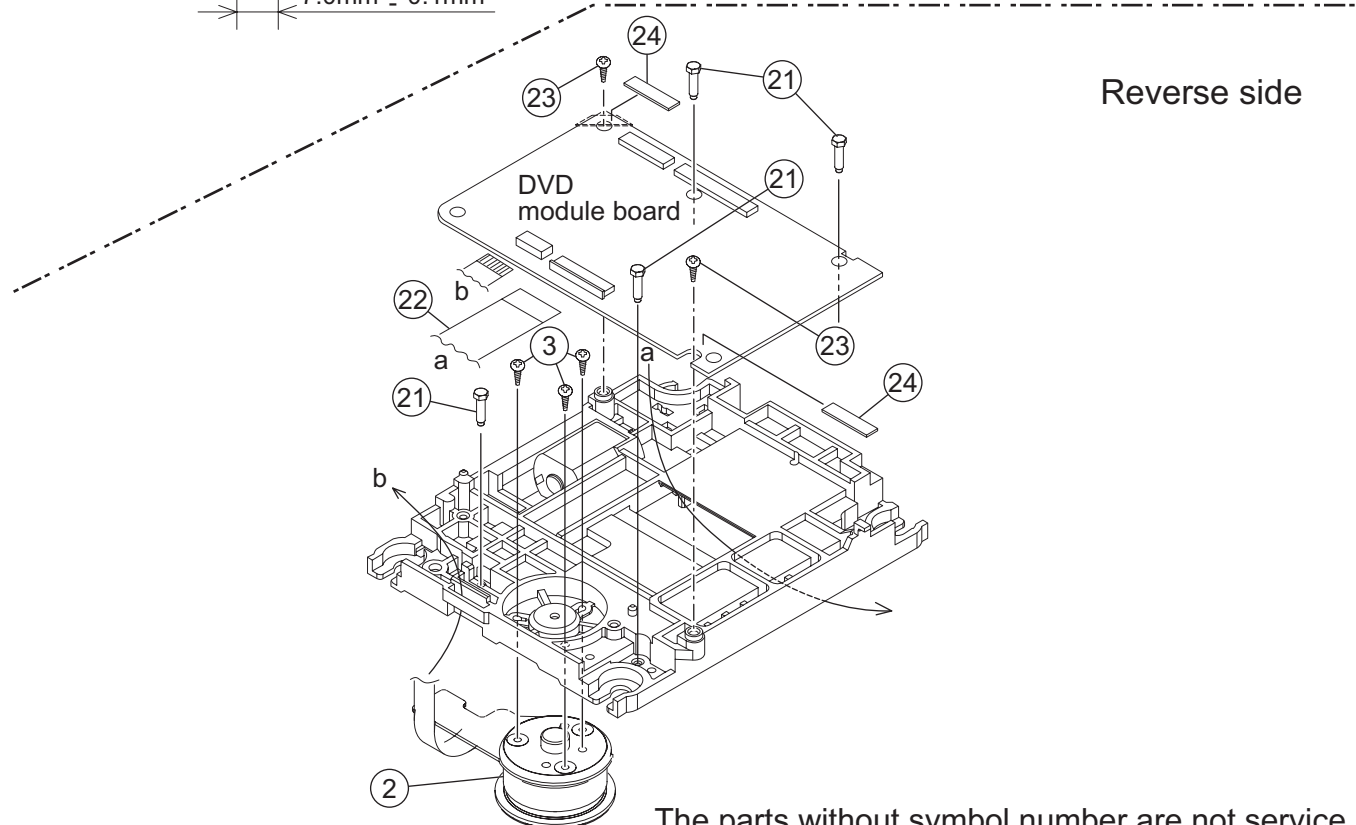
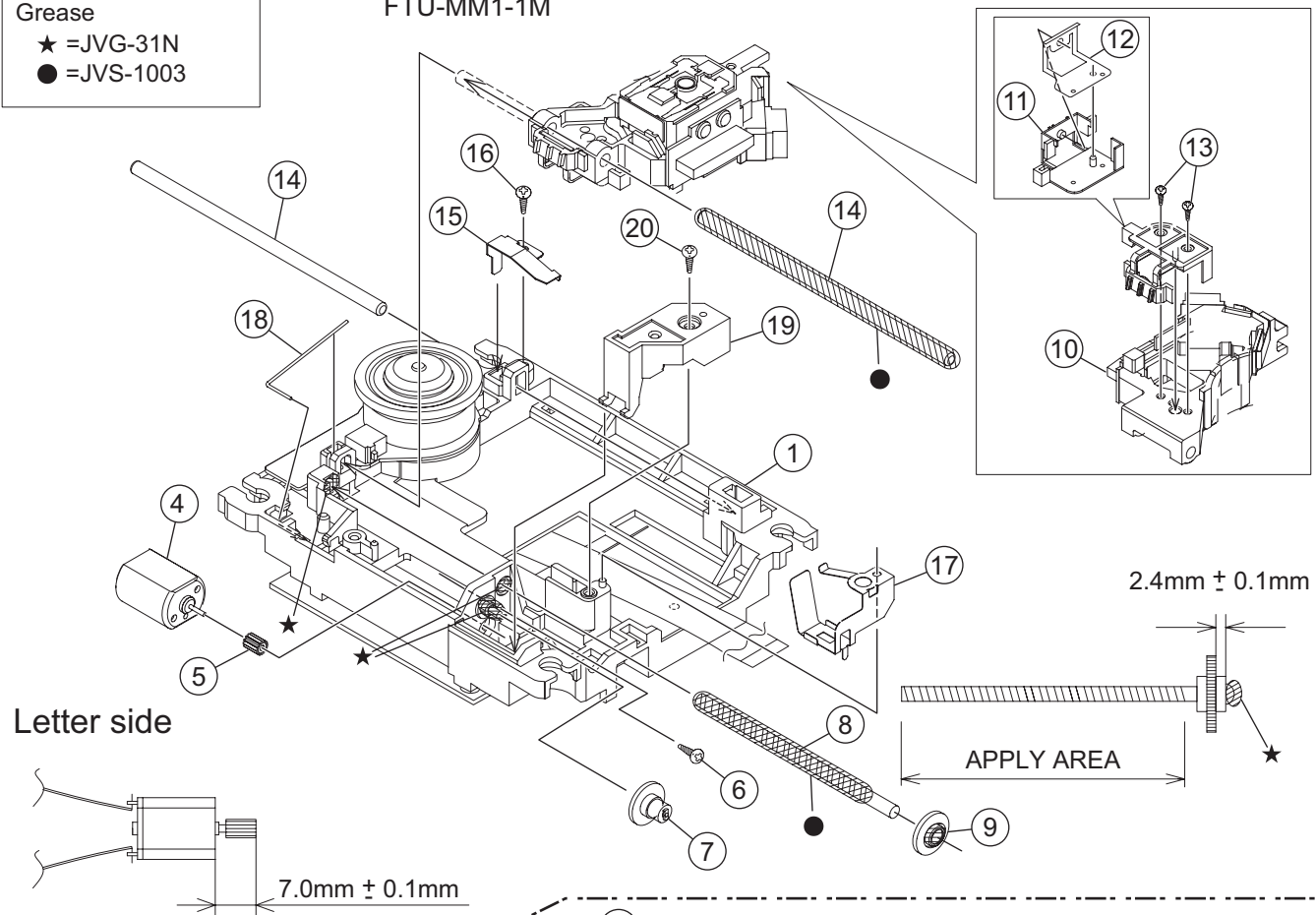
△	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10875-002A	CHASSIS BASE		
	2	LV30225-0T5A	SPACER		
	3	LV30225-0T6A	SPACER		
	4	LV10951-001A	HEAT SINK		
	5	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x3)	
	6	QYSBSG3016EA	TAP SCREW	M3 x 16mm(x4)	
	7	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x9)	
△	8	QQT0482-002	POWER TRANSF		UP
△	8	QQT0482-003	POWER TRANSF		UG,UN,US,UX,UT
	9	LV44309-001A	BARRIER		
	10	QYSDSTL4008EA	TAP SCREW	M4 x 8mm(x4)	
	11	LV43692-002A	LED HOLDER		
	12	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x2)	
	13	LV34712-001A	HEAT SINK BKT	(x2)	
	14	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x2)	
	15	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x4)	
	16	QYSBSG3006ZA	TAP SCREW	M3 x 6mm(x2)	
	17	LV21652-021A	REAR PANEL		UP
	17	LV21652-022A	REAR PANEL		UG,UN,US,UX,UT
	18	QAR0318-001	FAN MOTOR		
	19	LV30225-0D5A	SPACER	(x2)	
	20	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x2)	
	21	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x2)	
	22	QYSBSGY3008MA	TAP SCREW	M3 x 8mm(x4)	
	23	QYSBST3006MA	TAP SCREW	M3 x 6mm	
△	24	QZW0033-001	STRAIN RELIEF		
△	25	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	UG,UN,US,UX
△	25	QMPR310-200-JC	POWER CORD(EU)	2m BLACK	UP
△	25	QMPR600-200-JD	POWER CORD(EU)	2m BLACK	UT
△	26	QMF51W2-3R15-J8	FUSE	F 101 3.15A AC250V	UP
△	26	QMF51W2-6R3-J8	FUSE	F 101 6.3A AC250V	UG,UN,US,UX,UT
△	27	QMF51W2-3R15-J8	FUSE	F 102 3.15A AC250V	UG,UN,US,UX,UT
△	28	QMFZ051-8R0-J8	FUSE	F 153 F 154 8A(x2)	
	29	QYSPSPD3008ZA	SCREW	M3 x 8mm(x2)	
	30	QAS0302-001	SPEAKER BOX		
	31	LE10016-063A	CONE SPK		
	32	7001541606	TAPPING SCREW	(x4)	
	33	LV35760-001A	NET ASSY		
	34	9000007961	FOOT	(x4)	
	35	QYSDSA4016MA	TAP SCREW	M4 x 16mm(x2)	
	36	QYSDST4014MA	TAP SCREW	M4 x 14mm(x8)	

DVD mechanism assembly and parts list

Grease
 ★ =JVG-31N
 ● =JVS-1003

FTU-MM1-1M

Block No. M J M M



The parts without symbol number are not service.

DVD mechanism

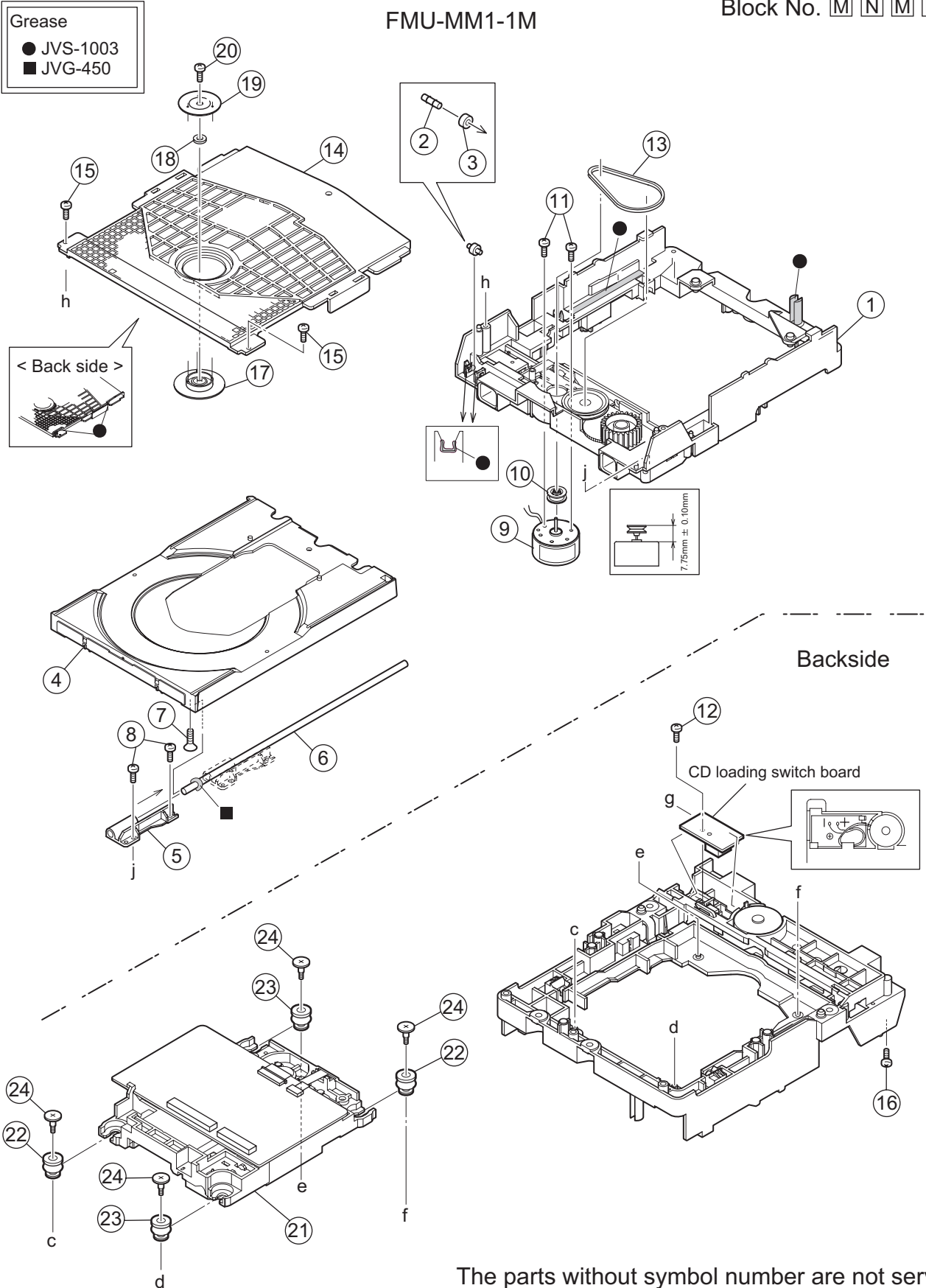
Block No. [M][J][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10984-001A	S.TM CHASSIS		
	2	QAR0334-002	S.MOTOR		
	3	QYSPSPU1740ZA	SCREW	M1.7 x 4mm(x3)	
	4	QAR0144-003	MOTOR		
	5	VKS5557-001	F.M. GEAR		
	6	QYSPSPT2025ZA	SCREW	M2 x 2.5mm	
	7	LV35461-002A	MIDDLE GEAR		
	8	LV44040-001A	SCREW SHAFT		
	9	LV35462-001A	SCREW SHAFT GEA		
	10	QAL0667-001	DVD PICK		
	11	LV21869-001A	RACK ARM		
	12	LV35463-001A	RACK ARM SPRING		
	13	QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
	14	LV44041-001A	GUIDE SHAFT	(x2)	
	15	LV35464-001A	G.SHAFT ADJ.SP		
	16	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	17	LV35465-001A	THRUST SPRING		
	18	LV44042-001A	ROD SPRING		
	19	LV35467-001A	FEED BRACKET		
	20	QYSDSF2005ZA	TAP SCREW	M2 x 5mm	
	21	LV44046-001A	ADJUST SCREW	(x4)	
	22	LV44092-001A	PICK FFC		
	23	LV44209-001A	WASHER SCREW	(x2)	
	24	LV30225-0V6A	SPACER	(x2)	

DVD loading base assembly and parts list

FMU-MM1-1M

Block No. M N M M



The parts without symbol number are not service.

DVD loading base

Block No. [M][N][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	1	LV11065-003A	LOADER SUB ASSY		
	2	E407140-001SS	C.D ROLLER		
	3	E407149-001SS	RUBBER TUBE		
	4	LV10979-002A	TRAY		
	5	LV35499-001A	SHAFT GUIDE		
	6	LV44022-001A	SHAFT		
	7	QYSSSF2008ZA	TAP SCREW	M2 x 8mm	
	8	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	9	QAR0197-001	MOTOR		
	10	LV43844-002A	MOTOR PULLEY		
	11	QYSPSPU1730ZA	SCREW	M1.7 x 3mm(x2)	
	12	QYSDSF2008ZA	TAP SCREW	M2 x 8mm	
	13	LV43974-001A	BELT		
	14	LV21852-003A	CLAMPER BASE		
	15	QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
	16	LV41741-004A	SPECIAL SCREW		
	17	LV35056-002A	DVD CLAMPER		
	18	LV42930-003A	P.C.MAGNET		
	19	LV43848-001A	YOKE		
	20	LE40906-002A	SPECIAL SCREW		
	21	-----	SINGLE DVD TRAM		
	22	LV44043-002A	INSULATOR	(x2)	
	23	LV44043-003A	INSULATOR	(x2)	
	24	LV44044-001A	SPECIAL SCREW	(x4)	

Electrical parts list

Main board

Block No. [0][1]

Symbol No.	Part No.	Part Name	Description	Local
IC411	MM1233XF-X	IC		
IC431	BH7868FS-X	IC		
IC471	MN101C49GFT1	IC		
IC472	S-80840CNNB-G-W	IC		
IC473	SN74AHCT08NS-X	IC		
IC475	RC4558D-X	IC		
IC476	RC4558D-X	IC		
IC477	BR24L08F-W-X	IC(DIGITAL)		
IC478	RC4558D-X	IC		
IC491	KIA7805API	IC		
IC493	LB1641	IC		
IC601	RC4558D-X	IC		
△ IC901	STR-G6651	IC		
IC951	PQ05RD21SSJH	IC		
Q511	KRC102S-X	DIGI TRANSISTOR		
Q951	2SC3576-JVC-T	TRANSISTOR		
Q952	KRA104S-X	DIGI TRANSISTOR		
Q953	KTA1267/YG/-T	TRANSISTOR		
Q954	SI2305DS-X	TRANSISTOR		
Q955	KRC103S-X	DIGITAL TR		
Q958	KTA1271/OY/-T	TRANSISTOR		
Q959	KRC103S-X	DIGITAL TR		
Q960	KTA1504/YG/-X	SI TRANSISTOR		
Q961	KTC3203/OY/-T	TRANSISTOR		
Q962	KTC3875/YG/-X	SI TRANSISTOR		
Q963	KRA104S-X	DIGI TRANSISTOR		
Q991	KTC3875/YG/-X	SI TRANSISTOR		
Q4091	KTA1271/OY/-T	TRANSISTOR		
Q4092	KTC3875/YG/-X	SI TRANSISTOR		
Q4701	KRC111S-X	TRANSISTOR		
Q4702	KRC107S-X	DIGI TRANSISTOR		
Q4801	KTA1504/YG/-X	SI TRANSISTOR		
Q4802	KRC102S-X	DIGI TRANSISTOR		
Q4811	KRA102S-X	DIGI TRANSISTOR		
Q4812	KRC102S-X	DIGI TRANSISTOR		
Q4821	KRC102S-X	DIGI TRANSISTOR		
Q4831	KRC102S-X	DIGI TRANSISTOR		
Q4832	KRA110S-X	TRANSISTOR		
Q4833	KRC110S-X	DIGI TRANSISTOR		
Q4921	KTC3203/OY/-T	TRANSISTOR		
Q4931	KTA1271/OY/-T	TRANSISTOR		
Q4961	KTC3203/OY/-T	TRANSISTOR		
Q4971	2SC3661-X	TRANSISTOR		
Q4972	2SC3661-X	TRANSISTOR		
Q4973	KRA104S-X	DIGI TRANSISTOR		
△ D901	DI106	BRIDGE DIODE		
D902	10ERB40-T1	FR DIODE		
D903	10ERB40-T1	FR DIODE		
D904	10ERB40-T1	FR DIODE		
D908	10ERB40-T1	FR DIODE		
D910	10ERB40-T1	FR DIODE		
D911	FR104S-T5	FR DIODE		
D950	MTZJ24B-T2	Z DIODE		
△ D951	FR104S-T5	FR DIODE		
△ D952	FR104S-T5	FR DIODE		
△ D953	RK34-LFB2	SB IODE		
△ D954	ER204-F33	FR DIODE		
△ D955	1N4003S-T5	SI DIODE		
△ D956	FR104S-T5	FR DIODE		
△ D957	FR104S-T5	FR DIODE		
D958	1SS133-T2	SI DIODE		
D960	MTZJ2.2A-T2	S.B.DIODE		
△ D970	ER204-F33	FR DIODE		
D991	MTZJ5.1B-T2	Z DIODE		
D4091	1SS133-T2	SI DIODE		
D4092	MTZJ6.8A-T2	Z DIODE		
D4703	MTZJ4.7B-T2	Z DIODE		
D4704	1SS133-T2	SI DIODE		
D4706	1SS133-T2	SI DIODE		
D4707	1SS133-T2	SI DIODE		
D4708	1SS133-T2	SI DIODE		
D4811	1SS133-T2	SI DIODE		
D4831	1SS133-T2	SI DIODE		
D4832	1SS133-T2	SI DIODE		
D4833	1SS133-T2	SI DIODE		
D4834	1SS133-T2	SI DIODE		
D4835	MTZJ6.8A-T2	Z DIODE		
D4841	MTZJ2.0A-T2	Z DIODE		
D4842	MTZJ3.3A-T2	Z DIODE		
D4921	MTZJ8.2C-T2	Z DIODE		
D4922	1SS133-T2	SI DIODE		
D4931	MTZJ8.2C-T2	Z DIODE		
D4932	1SS133-T2	SI DIODE		
D4961	MTZJ4.7A-T2	Z DIODE		
D4962	1N4003S-T5	SI DIODE		
D4966	MTZJ4.7C-T2	Z DIODE		
D4997	MTZJ3.0B-T2	Z DIODE		
D4998	1SS133-T2	SI DIODE		
△ PC901	PC123Y22FZ	PHOTO COUPLER		
△ PC902	PC123Y22FZ	PHOTO COUPLER		
△ C902	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
△ C904	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△ C905	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△ C907	QEZO688-686	E CAPACITOR	68uF	UP
△ C907	QEZO688-107	E CAPACITOR	100uF	UG,UN,US,UT,UX
C908	QCZ0136-332Z	C CAPACITOR	3300pF 1kV K	
C909	QCZ0136-101Z	C CAPACITOR	100pF 1kV K	
C910	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C913	QCZ0136-101Z	C CAPACITOR	100pF 1kV K	
C914	QEZO532-396Z	E CAPACITOR	39uF 25V M	
C915	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
△ C916	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
C917	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C918	QCQB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C951	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C952	QCZ0136-101Z	C CAPACITOR	100pF 1kV K	
C953	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C954	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C956	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C957	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C960	QEZO529-826Z	E CAPACITOR	82uF 10V M	
C962	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C963	QEZO533-396Z	E CAPACITOR	39uF 50V M	
C964	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C965	QEZO528-108	E CAPACITOR	1000uF 10V M	
C966	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C967	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C968	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C969	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C979	QEZO530-827	E CAPACITOR	820uF 16V M	
C982	QEZO531-567	E CAPACITOR	560uF 25V M	
C984	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C985	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C986	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C987	QEZO532-187Z	E CAPACITOR	180uF 25V M	
C989	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C992	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C993	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C994	QCBB1HK-223Y	C CAPACITOR	0.022uF 50V K	
C997	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C4011	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4012	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C4014	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C4015	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C4016	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4017	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C4091	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C4092	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C4101	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4102	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4111	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4112	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C4121	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C4122	NDC31HJ-470X	C CAPACITOR	47pF 50V J		C6512	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C4171	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6513	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4172	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6514	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4173	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4191	QER61AM-476Z	E CAPACITOR	47uF 10V M		C6516	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C4192	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C6517	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C4301	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C6518	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C4311	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C6601	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C4321	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6602	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C4331	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6603	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C4341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6611	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4351	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C6612	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C4391	QETN1AM-477Z	E CAPACITOR	470uF 10V M		C6613	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4394	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4395	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C6616	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C4401	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C6617	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C4402	NDC31HJ-470X	C CAPACITOR	47pF 50V J		C6618	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C4411	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C6901	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C4412	NDC31HJ-470X	C CAPACITOR	47pF 50V J		C6902	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C4421	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M						
C4423	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R901	QRL01DJ-683X	OMF RESISTOR	68kΩ 1W J	
C4431	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R903	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
C4441	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R904	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C4451	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R905	QRL027J-683	OMF RESISTOR	68kΩ 2W J	
C4605	NCB31HK-471X	C CAPACITOR	470pF 50V K		R906	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
C4606	NCB31HK-471X	C CAPACITOR	470pF 50V K		R907	QRT027J-R47	MF RESISTOR	0.47Ω 2W J	
C4700	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R908	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C4702	QETN0JM-227Z	E CAPACITOR	220uF 6.3V M		R910	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
C4703	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R911	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
C4704	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R951	QRJ146J-150X	UNF C RESISTOR	15Ω 1/4W J	
C4705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R952	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C4706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R953	NRSA02J-223X	MG RESISTOR	22kΩ 1/10W J	
C4707	QETN1CM-107Z	E CAPACITOR	100uF 16V M		△ R954	QRZ9005-100X	FUSI RESISTOR	10Ω	
C4708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R955	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C4709	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R960	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C4710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R961	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
C4711	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R963	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
C4712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R964	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C4713	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R965	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C4714	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R966	NRSA02J-221X	MG RESISTOR	220Ω 1/10W J	
C4715	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R967	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C4718	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R969	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C4719	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R980	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
C4720	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R981	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C4721	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R982	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C4771	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R983	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C4772	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R984	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C4791	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R985	NRSA02J-132X	MG RESISTOR	1.3kΩ 1/10W J	
C4793	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R986	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
C4794	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R987	NRSA02J-152X	MG RESISTOR	1.5kΩ 1/10W J	
C4795	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R988	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C4801	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M		R989	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C4901	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R990	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C4903	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4011	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C4921	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R4012	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C4922	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4013	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C4931	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R4014	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C4932	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4091	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C4961	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4092	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C6101	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4093	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
C6102	NDC31HJ-100X	C CAPACITOR	10pF 50V J	UP	R4101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6102	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UG,UN,US, UT,UX	R4111	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6103	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4121	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C6105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4191	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C6106	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP	R4201	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
C6201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4202	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
C6202	NDC31HJ-100X	C CAPACITOR	10pF 50V J	UP	R4211	NRSA63J-361X	MG RESISTOR	360Ω 1/16W J	
C6202	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UG,UN,US, UT,UX	R4212	NRSA63J-431X	MG RESISTOR	430Ω 1/16W J	
C6203	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R4231	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
C6205	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R4232	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
C6206	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP	R4241	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C6501	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		R4242	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
C6502	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R4251	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C6503	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		R4252	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
C6511	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R4401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
					R4411	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
					R4421	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R4431	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R4996	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4441	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R4997	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4451	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R4998	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6101	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4606	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4700	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6103	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R4702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R6106	QRE141J-330Y	C RESISTOR	33Ω 1/4W J	
R4704	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6107	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R4705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4706	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6202	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6203	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R4709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4710	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R6206	QRE141J-330Y	C RESISTOR	33Ω 1/4W J	
R4711	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6207	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R4712	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6302	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4713	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6303	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UG,UN,US,UX	R6304	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4752	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	UN,UP,US,UT	R6305	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R4752	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	UG,UX	R6501	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4753	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6502	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4754	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4755	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4758	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4759	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4760	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R6508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4761	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4762	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4763	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R6511	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4764	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4765	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6513	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4771	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UP,UT	R6517	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4775	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6518	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4776	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R6601	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4778	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4781	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4782	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R6606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4801	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4802	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△ R4811	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R6609	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4821	QRE141J-181Y	C RESISTOR	180Ω 1/4W J		R6610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4822	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		R6611	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4831	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R6612	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4832	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R6613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4833	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R6614	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4834	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R6615	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4835	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6616	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4841	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R6617	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4842	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R6618	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R4843	QRT027J-2R2	MF RESISTOR	2.2Ω 2W J		△ L901	QQR1105-001	LINE FILTER		
R4861	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L951	QLL244K-R22Z	COIL	0.22uH K	
R4863	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L952	QLL44BK-220Z	COIL	22uH K	
R4864	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L955	QLL26AK-220Z	COIL	22uH K	
R4866	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		L957	QLL244K-100Z	COIL	10uH K	
R4871	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L959	QLL244K-100Z	COIL	10uH K	
R4872	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		L4391	QLL25CK-221Z	COIL	220uH K	
R4873	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		△ T901	QQS0097-001	SW TRANSF		
R4875	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN401	QGF1036C1-15	CONNECTOR	FFC/FPC (1-15)	
R4876	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN402	QGF1036C1-25	CONNECTOR	FFC/FPC (1-25)	
R4877	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN404	QGD2504C1-05Z	CONNECTOR	(1-5)	
R4881	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		CN405	QGD2504C1-05Z	CONNECTOR	(1-5)	
R4883	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		CN406	QGD2504C1-04Z	CONNECTOR	(1-4)	
R4886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		CN407	QGD2504C1-05Z	CONNECTOR	(1-5)	
R4894	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		CN408	QGF1036C1-05	CONNECTOR	FFC/FPC (1-5)	
△ R4921	QRZ9005-100X	FUSI RESISTOR	10Ω		CN410	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
R4922	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN411	QGF1036C1-29	CONNECTOR	FFC/FPC (1-29)	
△ R4931	QRZ9005-100X	FUSI RESISTOR	10Ω		CN412	QGF1036C1-07	CONNECTOR	FFC/FPC (1-7)	
R4932	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN413	QGA2501C1-02	CONNECTOR	W-B (1-2)	
R4961	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		CN420	QGD2504C1-04Z	CONNECTOR	(1-4)	
R4971	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN451	QGF1036C1-13	CONNECTOR	FFC/FPC (1-13)	
R4972	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J		CN452	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
R4973	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN460	QGF1205C1-09	CONNECTOR	FFC/FPC (1-9)	
R4974	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J						
R4975	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
CN480	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)		C1179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
△ CP951	ICP-N10-T	IC PROTECTOR	400mA		C1180	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
△ CP953	ICP-N5-T	IC PROTECTOR	250mA		C1181	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
EP401	QNZ0136-001Z	EARTH PLATE			C1183	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
EP402	QNZ0136-001Z	EARTH PLATE			C1184	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
EP403	QNZ0136-001Z	EARTH PLATE			C1191	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP
EP901	QNZ0136-001Z	EARTH PLATE			C1192	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP
EP902	QNZ0136-001Z	EARTH PLATE			C1193	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP
FC901	QNG0003-001Z	FUSE CLIP			C1194	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP
FC902	QNG0003-001Z	FUSE CLIP			C1195	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP
FW901	QUM219-06DGZ4-E	PARA RIBON WIR			C1196	NCB31HK-331X	C CAPACITOR	330pF 50V K	UP
FW902	QUM21A-06DGZ4-E	PARA RIBON WIR			C1201	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
HS901	LV40057-009A	HEAT SINK			C1202	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
J4401	QNN0570-001	PIN JACK			C1203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
J4402	QNN0572-001	PIN JACK			C1204	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
△ P901	QNC0091-001	AC INLET			C1207	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
X4701	QAX0246-001Z	C RESONATOR	8.00MHz		C1208	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	

Front board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC151	CD4066BM-X	IC			C1221	NDC31HJ-470X	C CAPACITOR	47pF 50V J	UG,UN,US, UT,UX
IC152	CD4066BM-X	IC			C1222	NDC31HJ-470X	C CAPACITOR	47pF 50V J	UG,UN,US, UT,UX
IC153	BD3814FV-X	IC			C1223	NDC31HJ-470X	C CAPACITOR	47pF 50V J	UG,UN,US, UT,UX
IC154	CD4066BM-X	IC			C1224	NDC31HJ-470X	C CAPACITOR	47pF 50V J	UG,UN,US, UT,UX
IC158	RC4558D-X	IC			C1225	NCB31HK-471X	C CAPACITOR	470pF 50V K	UG,UN,US, UT,UX
IC159	RC4558D-X	IC			C1226	NDC31HJ-470X	C CAPACITOR	47pF 50V J	UG,UN,US, UT,UX
IC160	RC4558D-X	IC			C1227	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
IC501	PT6315	IC			C1228	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
IC509	GP1FAV30RK0F	OPT RECEIVER			C1230	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
IC511	GP1UM271XKVF	IR DETECT UNIT			C1250	NCB31HK-102X	C CAPACITOR	1000pF 50V K	UP
IC531	RC4558D-X	IC			C1251	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC581	RC4558D-X	IC			C1252	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC591	RC4558D-X	IC			C1253	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC701	RC4558D-X	IC			C1254	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
IC761	BU9253FS-X	IC			C1255	NCB31HK-102X	C CAPACITOR	1000pF 50V K	UP
Q1131	IMX9-W	TRANSISTOR			C1255	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UG,UN,US, UT,UX
Q1133	IMX9-W	TRANSISTOR			C1256	NCB31HK-102X	C CAPACITOR	1000pF 50V K	UP
Q1135	IMX9-W	TRANSISTOR			C1256	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UG,UN,US, UT,UX
Q1137	2SC3661-X	TRANSISTOR			C1257	NCB31HK-102X	C CAPACITOR	1000pF 50V K	UP
Q1251	KRA104S-X	DIGI TRANSISTOR			C1257	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UG,UN,US, UT,UX
Q1252	KRA104S-X	DIGI TRANSISTOR			C1258	NCB31HK-102X	C CAPACITOR	1000pF 50V K	UP
Q7401	KTC3875/YG/-X	SI TRANSISTOR			C1258	NDC31HJ-101X	C CAPACITOR	100pF 50V J	UG,UN,US, UT,UX
Q7402	2SC3661-X	TRANSISTOR			C1259	NCB31HK-102X	C CAPACITOR	1000pF 50V K	UP
D511	SLI-343URC-W-T	LED			C1265	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D551	SLR-343BCT/K/-T	LED I/M			C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D7401	1SS355-X	SI DIODE			C2503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D7402	1SS355-X	SI DIODE			C2504	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C505	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C2525	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C2526	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C511	NCB21CK-105X	C CAPACITOR	1uF 16V K		C2531	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C1001	QETN1EM-107Z	E CAPACITOR	100uF 25V M		C2532	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C1002	QETN1EM-107Z	E CAPACITOR	100uF 25V M		C2533	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C2534	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1101	NCB31HK-331X	C CAPACITOR	330pF 50V K		C2535	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1102	NCB31HK-331X	C CAPACITOR	330pF 50V K		C2536	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C2539	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1120	NCB31CK-333X	C CAPACITOR	0.033uF 16V K		C2540	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1121	NCB31CK-333X	C CAPACITOR	0.033uF 16V K		C2541	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1122	NCB31CK-333X	C CAPACITOR	0.033uF 16V K		C2542	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1123	NCB31CK-333X	C CAPACITOR	0.033uF 16V K		C2561	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1124	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C2562	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1125	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C2563	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1141	QETN1EM-107Z	E CAPACITOR	100uF 25V M		C2564	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1142	QETN1EM-107Z	E CAPACITOR	100uF 25V M		C2575	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1145	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C2576	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1176	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C2577	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1177	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						
C1178	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C2578	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1136	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C2581	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1137	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2582	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R1138	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2583	NCB31HK-271X	C CAPACITOR	270pF 50V K		R1139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2584	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R1140	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2585	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R1141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2587	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1142	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2588	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1143	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C2589	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1144	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C2590	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1145	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2592	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R1146	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2594	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R1147	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2597	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1148	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2599	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1149	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C2600	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2603	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1151	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2604	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1152	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C2605	NDC31HJ-560X	C CAPACITOR	56pF 50V J		R1153	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C6001	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R1154	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C6002	NCB31CK-223X	C CAPACITOR	0.022uF 16V K		R1155	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C6003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1156	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C6004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1157	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C7101	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R1158	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C7102	NDC31HJ-470X	C CAPACITOR	47pF 50V J		R1167	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
C7103	QER61HM-474Z	E CAPACITOR	0.47uF 50V M		R1168	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
C7104	QER61HM-105Z	E CAPACITOR	1uF 50V M		R1169	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
C7201	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		R1170	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
C7202	NCB31AK-105X	C CAPACITOR	1uF 10V K		R1171	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
C7401	QER61EM-335Z	E CAPACITOR	3.3uF 25V M		R1172	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
C7402	QER61CM-336Z	E CAPACITOR	33uF 16V M		R1173	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C7500	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C7601	QER61AM-226Z	E CAPACITOR	22uF 10V M		R1175	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
C7602	NCB31CK-333X	C CAPACITOR	0.033uF 16V K		R1176	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C7603	NCB31AK-474X	C CAPACITOR	0.47uF 10V K		R1197	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
C7604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C7605	NCB31HK-822X	C CAPACITOR	8200pF 50V K		R1254	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C7606	NCB31AK-105X	C CAPACITOR	1uF 10V K		R1291	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
C7608	NCB31HK-123X	C CAPACITOR	0.012uF 50V K		R1291	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
C7609	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R1292	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
C7610	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1292	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
C7611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1293	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
C7612	NDC31HJ-121X	C CAPACITOR	120pF 50V J		R1293	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
C7613	QER61AM-107Z	E CAPACITOR	100uF 10V M		R1294	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
C7901	QER61CM-226Z	E CAPACITOR	22uF 16V M		R1294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
C7902	QER61CM-476Z	E CAPACITOR	47uF 16V M		R1295	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
C7903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
R501	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1296	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
R503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1296	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
R504	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R1296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	UG,UN,US, UT,UX
R511	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R1296	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	UP
R521	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R2525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R522	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R2526	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R2531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R526	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R2532	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R527	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R2533	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R2534	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R552	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J		R2537	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R553	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		R2538	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1101	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2539	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R1102	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2540	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R1103	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J		R2541	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1104	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J		R2542	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1108	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R2544	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1109	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R2551	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2552	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1120	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R2553	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1121	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J		R2554	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2555	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1123	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2556	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1124	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2557	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1131	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2558	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2560	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2561	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2562	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R1135	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J						

Symbol No.	Part No.	Part Name	Description	Local
R2563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2565	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2566	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2567	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2568	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2581	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2582	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2583	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2584	NRSA63J-623X	MG RESISTOR	62kΩ 1/16W J	
R2585	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2586	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2587	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2588	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2590	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2592	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2594	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2596	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2597	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2598	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2599	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7103	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7105	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7106	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R7107	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R7201	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7402	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R7403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7603	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7604	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R7605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7606	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R7607	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R7901	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7902	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R7903	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7904	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
VR701	QVQ0320-B54	V RESISTOR		
BK501	LV43659-001A	FL HOLDER		
BK502	LV43659-001A	FL HOLDER		
CN441	QGF1036C1-29	CONNECTOR	FFC/FPC (1-29)	
CN442	QGF1036C1-07	CONNECTOR	FFC/FPC (1-7)	
CN501	QGF1036F1-13	CONNECTOR	FFC/FPC (1-13)	
CN511	QGF1205F1-05	CONNECTOR	FFC/FPC (1-5)	
CN760	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
D1501	QLF0154-001	FL TUBE		
FW443	QJP019-021600-E	F.WIRE		
FW512	QUM022-1124Z4-E	F.WIRE		
FW601	QUM154-17DGZ4-E	F.WIRE		
J1101	QNN0215-001	SURROUND JACK		
J1103	QND0118-001	DIN CONNECTOR		
J6001	QNS0231-001	JACK		
J7001	QNS0231-001	JACK		
J7002	QNS0231-001	JACK		
K1101	NQR0007-002X	FERRITE BEADS		
K6001	NQR0007-002X	FERRITE BEADS		
K6002	NQR0007-002X	FERRITE BEADS		
K6003	NQR0007-002X	FERRITE BEADS		
K6004	NQR0007-002X	FERRITE BEADS		
K7001	NQR0007-002X	FERRITE BEADS		
S521	QSW0683-001Z	PUSH SW		
S522	QSW0683-001Z	PUSH SW		
S523	QSW0683-001Z	PUSH SW		
S524	QSW0683-001Z	PUSH SW		
S526	QSW0683-001Z	PUSH SW		
S527	QSW0683-001Z	PUSH SW		
S528	QSW0683-001Z	PUSH SW		

Symbol No.	Part No.	Part Name	Description	Local
S529	QSW0683-001Z	PUSH SW		
Mother board				
Block No. [0][3]				
Symbol No.	Part No.	Part Name	Description	Local
△ IC201	STK413-430	IC		
△ IC202	STK413-400	IC		
IC301	RC4558D-X	IC		
IC302	RC4558D-X	IC		
IC303	RC4558D-X	IC		
IC601	MN101C427NB	IC		
Q152	KTC2026/Y/	TRANSISTOR		
Q501	KRA104S-X	DIGI TRANSISTOR		
Q502	KTC3875/YG/-X	SI TRANSISTOR		
Q503	KTC3875/YG/-X	SI TRANSISTOR		
Q504	KTA1504/YG/-X	SI TRANSISTOR		
Q505	KRC109S-X	TRANSISTOR		
Q517	KRC104S-X	TRANSISTOR		
Q523	KTC3875/YG/-X	SI TRANSISTOR		
Q524	KTA1504/YG/-X	SI TRANSISTOR		
Q525	KTC3875/YG/-X	SI TRANSISTOR		
Q542	KTC3875/YG/-X	SI TRANSISTOR		
Q603	KTC3875/YG/-X	SI TRANSISTOR		
Q604	KTC3265/Y/-X	TRANSISTOR		
Q2101	KTA1504/YG/-X	SI TRANSISTOR		
Q2201	KTA1504/YG/-X	SI TRANSISTOR		
Q2301	KTA1504/YG/-X	SI TRANSISTOR		
Q2401	KTA1504/YG/-X	SI TRANSISTOR		
Q2501	KTA1504/YG/-X	SI TRANSISTOR		
Q2601	KTA1504/YG/-X	SI TRANSISTOR		
Q2701	KTC3875/YG/-X	SI TRANSISTOR		
Q2702	KTA1046/Y/	TRANSISTOR		
Q2703	KRC102S-X	DIGI TRANSISTOR		
Q2707	KTA1267/YG/-T	TRANSISTOR		
Q2708	KTC3199/GL/-T	TRANSISTOR		
Q2709	KTC2026/Y/	TRANSISTOR		
Q2710	KTA1504/YG/-X	SI TRANSISTOR		
Q2711	KRA102S-X	DIGI TRANSISTOR		
Q3101	KTC3875/YG/-X	SI TRANSISTOR		
Q3102	KTC3875/YG/-X	SI TRANSISTOR		
Q3201	KTC3875/YG/-X	SI TRANSISTOR		
Q3202	KTC3875/YG/-X	SI TRANSISTOR		
Q3301	KTC3875/YG/-X	SI TRANSISTOR		
Q3302	KTC3875/YG/-X	SI TRANSISTOR		
Q3401	KTC3875/YG/-X	SI TRANSISTOR		
Q3402	KTC3875/YG/-X	SI TRANSISTOR		
Q3501	KTC3875/YG/-X	SI TRANSISTOR		
Q3502	KTC3875/YG/-X	SI TRANSISTOR		
Q3701	KRA102S-X	DIGI TRANSISTOR		
Q3702	KRA102S-X	DIGI TRANSISTOR		
Q3703	KRC103S-X	DIGITAL TR		
Q3704	KTC2026/Y/	TRANSISTOR		
Q3705	KTC3875/YG/-X	SI TRANSISTOR		
Q3706	KRC104S-X	TRANSISTOR		
D101	1SS355-X	SI DIODE		
△ D151	GBU803	BRIDGE DIODE		
△ D152	GBU803	BRIDGE DIODE		
D154	1SS133-T2	SI DIODE		
D163	1SS133-T2	SI DIODE		
D164	MTZJ6.2A-T2	Z DIODE		
D164	MTZJ6.2B-T2	Z DIODE		
D165	MTZJ6.8C-T2	Z DIODE		
D166	MTZJ6.8C-T2	Z DIODE		
D501	1SS133-T2	SI DIODE		
D504	1SS133-T2	SI DIODE		
D505	UDZS5.1B-X	Z DIODE		
D506	1SS133-T2	SI DIODE		
D507	1SS355-X	SI DIODE		
D510	1SS133-T2	SI DIODE		

UP
UG,UN,US,
UX,UT

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D514	1SS133-T2	SI DIODE			C606	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
D515	1SS133-T2	SI DIODE			C2102	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
D516	MTZJ30C-T2	Z DIODE			C2103	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D521	MTZJ6.8C-T2	Z DIODE			C2104	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D535	1SS355-X	SI DIODE			C2105	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D541	1SS133-T2	SI DIODE			C2106	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
D542	1SS133-T2	SI DIODE			C2107	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D543	1SS133-T2	SI DIODE			C2108	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D545	1SS133-T2	SI DIODE			C2202	NCB31HK-471X	C CAPACITOR	470pF 50V K	
D546	1SS133-T2	SI DIODE			C2203	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D548	1SS133-T2	SI DIODE			C2204	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D549	1SS133-T2	SI DIODE			C2205	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D550	1SS133-T2	SI DIODE			C2206	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
D551	1SS133-T2	SI DIODE			C2207	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D552	1SS133-T2	SI DIODE			C2208	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D553	1SS133-T2	SI DIODE			C2211	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D561	SLR-342MC-T12	LED			C2212	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D601	1SS133-T2	SI DIODE			C2302	NCB31HK-471X	C CAPACITOR	470pF 50V K	
D610	1SS133-T2	SI DIODE			C2303	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D611	1SS133-T2	SI DIODE			C2304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D612	1SS133-T2	SI DIODE			C2305	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D2101	1SS133-T2	SI DIODE			C2306	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
D2201	1SS133-T2	SI DIODE			C2307	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D2301	1SS133-T2	SI DIODE			C2308	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D2401	1SS133-T2	SI DIODE			C2311	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D2501	1SS133-T2	SI DIODE			C2312	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D2601	1SS133-T2	SI DIODE			C2402	NCB31HK-471X	C CAPACITOR	470pF 50V K	
D2701	MTZJ15C-T2	Z DIODE			C2403	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D2702	MTZJ15C-T2	Z DIODE			C2404	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D2703	MTZJ16C-T2	Z DIODE			C2405	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D2704	1SS133-T2	SI DIODE			C2406	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
D2705	1SS133-T2	SI DIODE			C2407	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D2706	MTZJ22A-T2	Z DIODE			C2408	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D3101	1SS133-T2	SI DIODE			C2411	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D3102	1SS133-T2	SI DIODE			C2412	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D3201	1SS133-T2	SI DIODE			C2502	NCB31HK-471X	C CAPACITOR	470pF 50V K	
D3202	1SS133-T2	SI DIODE			C2503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D3301	1SS133-T2	SI DIODE			C2504	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D3302	1SS133-T2	SI DIODE			C2505	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D3401	1SS133-T2	SI DIODE			C2506	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
D3402	1SS133-T2	SI DIODE			C2507	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D3501	1SS133-T2	SI DIODE			C2508	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
D3502	1SS133-T2	SI DIODE			C2511	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D3601	1SS133-T2	SI DIODE			C2512	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
D3602	1SS133-T2	SI DIODE			C2602	NCB31HK-471X	C CAPACITOR	470pF 50V K	
D3703	MTZJ15C-T2	Z DIODE			C2603	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
D3706	1SS133-T2	SI DIODE			C2604	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
D3707	1SS133-T2	SI DIODE			C2605	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
D3708	1SS133-T2	SI DIODE			C2606	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
△ C101	QCZ9105-472	C CAPACITOR	4700pF 250V M		C2607	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C153	NCF21HZ-473X	C CAPACITOR	0.047uF 50V Z		C2608	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C154	NCF21HZ-473X	C CAPACITOR	0.047uF 50V Z		C2611	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
C155	NCF21HZ-473X	C CAPACITOR	0.047uF 50V Z		C2612	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	UP
C156	NCF21HZ-473X	C CAPACITOR	0.047uF 50V Z		C2701	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C157	NCF21HZ-223X	C CAPACITOR	0.022uF 50V Z		C2702	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C159	NCF21HZ-223X	C CAPACITOR	0.022uF 50V Z		C2703	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C161	QETM1HM-338	E CAPACITOR	3300uF 50V M		C2704	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C162	QETM1HM-338	E CAPACITOR	3300uF 50V M		C2705	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C163	QETM1EM-478	E CAPACITOR	4700uF 25V M		C2706	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C164	QETM1EM-478	E CAPACITOR	4700uF 25V M		C2707	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C167	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C2708	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C168	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C2711	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C171	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C2712	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C2713	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z	
C501	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3101	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C502	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3103	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3104	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C512	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3201	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C522	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3203	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C523	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3204	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C571	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3301	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C591	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3303	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C592	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3304	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C601	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3401	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C602	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C3403	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C604	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3404	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C605	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		C3501	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
					C3503	QETN1HM-105Z	E CAPACITOR	1uF 50V M	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C3504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R2101	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
C3601	NCB31HK-152X	C CAPACITOR	1500pF 50V K		R2103	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C3604	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R2104	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C3701	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		R2105	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C3702	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		R2106	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
C3703	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		R2107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3704	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		R2108	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C3705	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		R2109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C3706	NCF31HZ-103X	C CAPACITOR	0.01uF 50V Z		R2110	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
C3715	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R2111	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C3716	QETN1AM-227Z	E CAPACITOR	220uF 10V M		R2112	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
C3720	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R2113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C3721	QEKC1CM-107Z	E CAPACITOR	100uF 16V M		R2114	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R152	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R2201	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
△ R163	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J		R2203	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R164	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		R2204	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R165	QRL027J-391	OMF RESISTOR	390Ω 2W J		R2205	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R166	QRL027J-391	OMF RESISTOR	390Ω 2W J		R2206	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
△ R171	QRL027J-470	OMF RESISTOR	47Ω 2W J		R2207	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2208	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2209	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2210	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2211	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2212	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2213	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R510	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2214	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2215	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	UP
R523	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2301	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2303	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2304	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R535	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2305	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R536	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2306	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R540	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R553	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2308	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R554	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2309	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R555	QRJ146J-271X	UNF C RESISTOR	270Ω 1/4W J		R2310	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R556	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2311	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R557	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2312	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R558	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2313	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R559	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2314	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R560	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2315	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	UP
R561	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R2401	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R562	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R2403	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R563	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2404	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R574	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J		R2405	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2406	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R602	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R2407	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R603	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R2408	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R606	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2409	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2410	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R608	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2411	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R611	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2412	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R612	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2413	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R613	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2414	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R614	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2415	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	UP
R621	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2501	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R622	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2503	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2504	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R624	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2505	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R625	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2506	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R626	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R627	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2508	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R628	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2510	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R633	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2511	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R635	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2512	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R637	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2513	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R640	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2514	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R641	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2515	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	UP
R642	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2601	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R643	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R2603	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R644	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2604	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R646	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2605	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R667	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2606	QRZ0224-R22	EMIT RESISTOR	0.22Ω	
R671	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R685	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J		R2608	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R686	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J		R2609	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
					R2610	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2611	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J		R3510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2612	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R3511	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2613	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R3512	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R3513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2615	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	UP	R3601	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
△ R2701	QRZ9005-220X	FUSI RESISTOR	22Ω		R3603	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R2702	QRZ9005-220X	FUSI RESISTOR	22Ω		R3604	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2703	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R3605	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R2704	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R3607	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2705	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R3608	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
△ R2706	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R3610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R2707	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R3611	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
△ R2708	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R3717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
△ R2709	QRZ9006-4R7X	F.RESISTOR	4.7Ω 1/4W J		R3719	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
△ R2710	QRZ9005-100X	FUSI RESISTOR	10Ω		△ R3720	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R2711	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R3721	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2712	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R3725	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2713	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R3726	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2721	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J		△ R3727	QRL01DJ-180X	OMF RESISTOR	18Ω 1W J	
R2722	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J		R3728	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2723	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J		R3729	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2724	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J		R3730	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3101	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R3732	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R3103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R3741	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3104	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R3742	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3105	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		L2101	QQLZ005-R45	COIL	0.45uH	
R3106	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		L2201	QQLZ005-R45	COIL	0.45uH	
R3107	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		L2202	QQLZ005-R45	COIL	0.45uH	UP
R3108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L2301	QQLZ005-R45	COIL	0.45uH	
R3109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		L2302	QQLZ005-R45	COIL	0.45uH	UP
R3110	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		L2401	QQLZ005-R45	COIL	0.45uH	
R3111	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		L2402	QQLZ005-R45	COIL	0.45uH	UP
R3112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L2501	QQLZ005-R45	COIL	0.45uH	
R3113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		L2502	QQLZ005-R45	COIL	0.45uH	UP
R3201	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L2601	QQLZ005-R45	COIL	0.45uH	
R3203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		L2602	QQLZ005-R45	COIL	0.45uH	UP
R3204	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		B1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3205	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		B21	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3206	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		△ CN101	QGA7901C1-02	CONNECTOR	W-B (1-2)	
R3207	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		△ CN102	QGA7901C1-02	CONNECTOR	W-B (1-2)	UP
R3208	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△ CN102	QGA7901C1-04	CONNECTOR	W-B (1-4)	UG,UN,US,UX,UT
R3209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN151	QGA3901C1-05	CONNECTOR	W-B (1-5)	
R3210	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		CN271	QGB2510J1-14	CONNECTOR	B-B (1-14)	
R3211	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		CN272	QGB2510J1-09	CONNECTOR	B-B (1-9)	
R3212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN273	QGB2510J1-14	CONNECTOR	B-B (1-14)	
R3213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN274	QGA3901C1-02	CONNECTOR	W-B (1-2)	
R3301	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		CN371	QGA2501C1-02	CONNECTOR	W-B (1-2)	
R3303	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN372	QGB2510K2-09	CONNECTOR	B-B (1-9)	
R3304	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		CN501	QGB2510K2-14	CONNECTOR	B-B (1-14)	
R3305	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		CN502	QGB2510K2-14	CONNECTOR	B-B (1-14)	
R3306	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		EP201	QNZ0136-001Z	EARTH PLATE		
R3307	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		EP501	QNZ0136-001Z	EARTH PLATE		
R3308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		FC101	QNG0019-001Z	FUSE CLIP		
R3309	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		FC102	QNG0019-001Z	FUSE CLIP		
R3310	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		FC103	QNG0019-001Z	FUSE CLIP		UG,UN,US,UX,UT
R3311	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		FC104	QNG0019-001Z	FUSE CLIP		UG,UN,US,UX,UT
R3312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		FC155	QNG0019-001Z	FUSE CLIP		
R3313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		FC156	QNG0019-001Z	FUSE CLIP		
R3401	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		FC157	QNG0019-001Z	FUSE CLIP		
R3403	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		FC158	QNG0019-001Z	FUSE CLIP		
R3404	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		FW501	QUM213-28Z4Z4-E	RIBBON WIRE		
R3405	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		HS151	QZW0138-001	HEAT SINK		
R3406	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		J2701	QND0118-001	DIN CONNECTOR		
R3407	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		J2702	QNB0195-001	SPEAKER TERMINA		
R3408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		△ RY101	QSK0142-001	RELAY		
R3409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		RY271	QSK0127-001	RELAY		
R3410	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		RY272	QSK0127-001	RELAY		
R3411	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		RY273	QSK0127-001	RELAY		
R3412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		△ S901	QSW0924-001	VOLTAGE SWITCH		UG,UN,US,UX,UT
R3413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		TH271	NAD0025-103X	N THERMISTOR	10kΩ	
R3501	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		WC201	QZW0112-001	WIRE CLAMP		
R3503	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		X601	QAX0246-001Z	C RESONATOR	8.00MHZ	
R3504	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J						
R3505	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J						
R3506	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R3507	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J						
R3508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R3509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						

DVD module board

Block No. [0][4]

△ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0009AA	IC		
IC302	MM1701CH-X	IC		
IC305	MM1563BF-X	IC	3.1V Regulator	
IC453	S-80827CNNB-G-W	IC		
IC505	K4S641632H-UC75	IC		
IC505	or HY57V641620ETP7	IC(DIGITAL)		
IC509	-----	IC(MICRO C ROM)		
IC510	BR24L16FV-W-X	IC		
IC701	AK4384VT-X	IC		
IC701	or AK4384ET-X	IC		
IC702	AK4384VT-X	IC		
IC702	or AK4384ET-X	IC		
IC703	AK4384VT-X	IC		
IC703	or AK4384ET-X	IC		
IC704	AK5357VT-X	IC		
IC704	or AK5357ET-X	IC		
IC705	MM1615AN-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101	or 2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103	or 2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q105	UN2119-X	TRANSISTOR		
Q105	or KRA116S-X	TRANSISTOR		
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C300	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C301	NEAF0GM-227X	E CAPACITOR	220uF 4V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C310	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C313	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C315	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C329	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C376	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C377	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C386	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C701	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C702	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C703	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C707	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C708	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C709	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C741	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C742	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C743	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C744	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
C745	NEAF1CM-106X	E CAPACITOR	10uF 16V M	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J		R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J		R716	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R719	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J		R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R724	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R725	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R727	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R728	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R730	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R741	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R742	NRSA63J-5R1X	MG RESISTOR	5.1Ω 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J						
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		CN101	QGF0523F1-25W	CONNECTOR	FFC/FPC (1-25)	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		CN201	QGF1016F2-08W	CONNECTOR	FFC/FPC (1-8)	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J		CN701	QGF1016F2-25W	CONNECTOR	FFC/FPC (1-25)	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN702	QGF1016F2-15W	CONNECTOR	FFC/FPC (1-15)	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		K351	NQR0502-001X	FERRITE BEADS		
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K352	NQR0502-001X	FERRITE BEADS		
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K501	NQR0502-001X	FERRITE BEADS		
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K701	NQR0022-002X	FERRITE BEADS		
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		K702	NQR0022-002X	FERRITE BEADS		
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		K703	NQR0022-002X	FERRITE BEADS		
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K704	NQR0022-002X	FERRITE BEADS		
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K705	NQR0022-002X	FERRITE BEADS		
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K706	NQR0022-005X	FERRITE BEADS		
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K707	NQR0022-002X	FERRITE BEADS		
R326	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K708	NQR0022-002X	FERRITE BEADS		
R327	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K709	NQR0022-002X	FERRITE BEADS		
R330	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K710	NQR0022-002X	FERRITE BEADS		
R331	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K711	NQR0022-002X	FERRITE BEADS		
R332	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K720	NQR0022-002X	FERRITE BEADS		
R334	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R335	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R336	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		K726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R337	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		TH301	NAD0025-103X	N THERMISTOR	10kΩ	
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		X301	NAX0741-001X	CRYSTAL		
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D						
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D						
R342	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D						
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J						
R348	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J						
R349	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J						
R350	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J						
R351	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J						
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J						
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R359	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R360	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R362	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J						
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R374	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J						
R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R377	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J						
R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J						
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						
R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						

DVD loading switch board

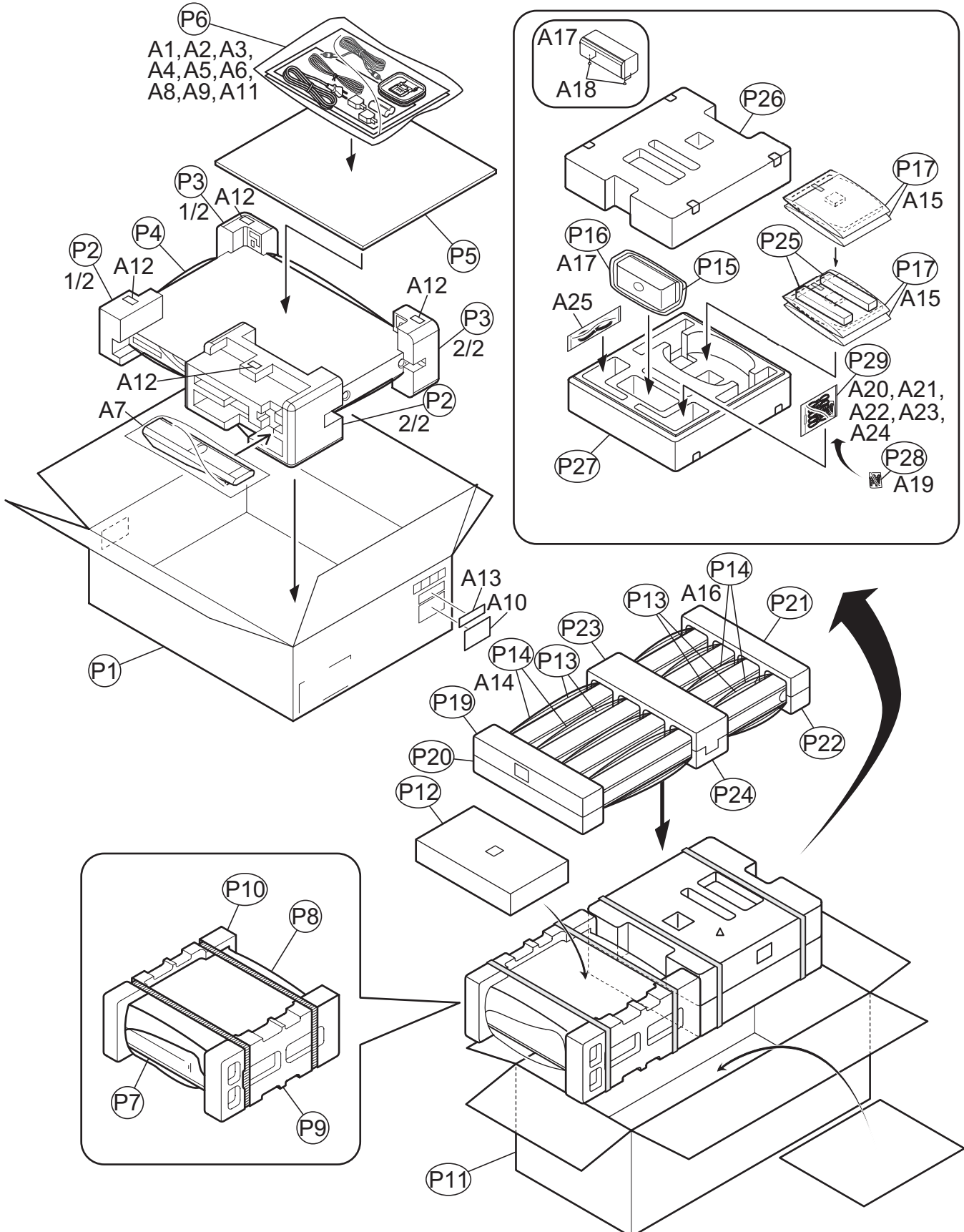
Block No. [0][5]

△ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1074-001	DETECT SWITCH		

Packing materials and accessories parts list

Block No. **M 3 M M**

No additional / supplemental order of WARRANTY CARDS are available



The parts without symbol number are not service.

Packing and Accessories

Block No. [M][3][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0154-002A	INST BOOK	KOR	UP
	A 1	GVT0154-001A	INST BOOK	ENG	UN,US
	A 1	GVT0154-004A	INST BOOK	CHI(TAIWAN)	UT
	A 1	GVT0154-005A	INST BOOK	ARA PER	UG,UX
	A 2	GVT0154-003A	INST BOOK	CHI(PEKIN)	UN,US
	A 2	GVT0154-001A	INST BOOK	ENG	UG,UX
△	A 3	QMPS200-190-JC	POWER CORD(EU)	1.9m BLACK	UP
△	A 3	QMPS310-183-JD	POWER CORD(EU)	1.83m BLACK	UT
△	A 3	QMPL060-183-JD	POWER CORD(EU)	1.83m BLACK	UG,UN,US,UX
△	A 4	QAM0112-002	PLUG ADAPTOR	(x2)	UG,UN,US
	A 5	QAL0014-001	AM LOOP ANT		
	A 6	QAL0457-001	ANT.WIRE		
	A 7	RM-STHS99U	REMOCON UNIT		
	A 8	-----	BATTERY	(x2)	
	A 9	QAM0216-001	SIGNAL CORD		
	A 10	LE40796-001A	VERANCE LABEL		
	A 11	-----	WARRANTY CARD	BT-56013-1	UP
	A 12	LV43644-001A	LABEL	(x4)	UP
	A 13	GV30759-009A	UT LABEL		UT
	A 14	AB050043-01	SPEAKER BOX	FRONT(x2)	
	A 15	9908002401	STAND BASE ASSY	(x4)	
	A 16	AB050043-02	SPEAKER BOX	SURROUND(x2)	
	A 17	AB050046-01	SPEAKER BOX	CENTER	
	A 18	9000007941	FOOT	(x4)	
	A 19	7010944006	SCREW	(x12)	
	A 20	6200045901	SPK CORD-C		
	A 21	6200045911	SPK CORD-FR		
	A 22	6200045921	SPK CORD-FL		
	A 23	6200045931	SPK CORD-SR		
	A 24	6200045941	SPK CORD-SL		
	A 25	6200044901	DIN CABLE		
	P 1	GV20375-002A	CARTON BOX		UN,UP,US,UT
	P 1	GV20375-001A	CARTON BOX		UG,UX
	P 2	GV20347-001A	CUSHION(F)		
	P 3	GV20348-001A	CUSHION(R)		
	P 4	QPC05006530P	POLY BAG	50cm x 65cm	
	P 5	GV30785-001A	CARTON SPACER		
	P 6	QPA02503505P	POLY BAG	25cm x 35cm	UN,US
	P 6	QPA02503503P	POLY BAG	25cm x 35cm	UG,UP,UT,UX
	P 7	8500051881	MIRROR MAT		
	P 8	8500051901	POLY BAG		
	P 9	LV22000-001A	TOP CUSHION		
	P 10	LV22000-002A	BOTTOM CUSHION		
	P 11	LV35831-047A	PACKING CASE(MASTER)		UG,UN,UP,US
	P 11	LV35831-048A	PACKING CASE(MASTER)		UX,UT
	P 12	8000064201	PARTITION		
	P 13	8500059221	MIRROR MAT SHEET	FRONT AND SURROUND(x4)	
	P 14	8500059111	POLY BAG	FRONT AND SURROUND(x4)	
	P 15	8500059231	MIRROR MAT SHEET	CENTER	
	P 16	8500059121	POLY BAG	CENTER	
	P 17	8500055851	MIRROR MAT BAG	(x4)	
	P 19	LV36122-001A	TOP CUSHION-A		
	P 20	LV36122-002A	BOTTOM CUSHION-A		
	P 21	LV36123-001A	TOP CUSHION-B		
	P 22	LV36123-002A	BOTTOM CUSHION-B		
	P 23	LV36124-001A	TOP CUSHION	FRONT AND SURROUND	
	P 24	LV36124-002A	BOTTOM CUSHION	FRONT AND SURROUND	
	P 25	8000064001	CUSHION	STAND BASE(x2)	
	P 26	LV22100-001A	TOP CUSHION		
	P 27	LV22100-002A	BOTTOM CUSHION		
	P 28	8500047141	POLY BAG		
	P 29	8500032771	POLY BAG		