

JVC

SERVICE MANUAL

DVD VIDEO RECORDER

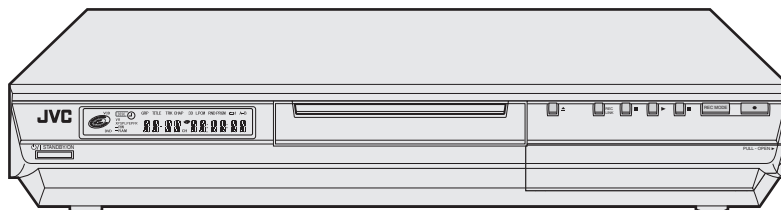
DR-M10SAA, DR-M10SAG DR-M10SAX

Area Suffix

AA ----- Australia
AG ----- Universal Asia
AX ----- Middle East



G-CODE™ / SHOWVIEW™ 



DR-M10SAA, DR-M10SAG, DR-M10SAX [D4R10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

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SPECIFICATION

		DR-M10SAA	DR-M10SAG,DR-M10SAX
GENERAL			
Power requirement	AC 220 V - 240 V~, 50 Hz/60 Hz		AC 110 V -240V~, 50/60 Hz
Power consumption	Power on : 33 W Power off : 17.6 W		
Temperature	Operating : 5°C to 40°C Storage : -20°C to 60°C		
Operating position	Horizontal only		
Dimensions (W × H × D)	435 mm × 70 mm × 350 mm		
Weight	4.3 kg		
VIDEO/AUDIO			
Recordable disc	DVD-RAM	12 cm : (4.7 GB/9.4 GB)	
	DVD-RAM	8 cm : (1.4 GB/2.8 GB)	
	DVD-R	12 cm:(4.7 GB, 8 cm: 1.4 GB for General Ver. 2.0)	
	DVD-RW	4.7 GB for Ver. 1.0/1.1	
Recording format	DVD-RAM	DVD Video Recording format	
	DVD-R	DVD-Video format	
	DVD-RW	DVD-Video format, DVD Video Recording format	
Recording time	Maximum 8 hours (with 4.7 GB disc) (XP) : Approx. 1 hour, (SP) : Approx. 2 hours, (LP) : Approx. 4 hours, (EP) : Approx. 6 hours, (FR) : Approx. 1 hour - 8 hours		
Playable disc	DVD-RAM	12 cm : (4.7 GB/9.4 GB)	
	DVD-RAM	8 cm : (1.4 GB/2.8 GB)	
	DVD-R	12 cm:(4.7 GB, 8 cm: 1.4 GB for General Ver. 2.0)	
	DVD VIDEO, DVD-RW	4.7 GB	
		Music CD (CD-DA)	
		Video CD	
	Super Video CD(SVCD)		
	CD-R/RW (CD-DA, Video CD/SVCD formatted discs)		
Audio recording system	Dolby Digital (2 ch) Linear PCM (XP mode only)		
Video recording compression system	MPEG2 (CBR/VBR)		
Input/Output			
S-video input	Y : 0.8 - 1.2 Vp-p, 75 Ω C : 0.2 - 0.4 Vp-p, 75 Ω		
S-video output	Y : 1.0 Vp-p, 75 Ω C : 0.3 Vp-p, 75 Ω		
Video input	0.5 - 2.0 Vp-p, 75 Ω (pin jack)		
Video output	1.0 Vp-p, 75 Ω (pin jack)		
Audio input	-8 dB, 50 kΩ (pin jack) Corresponding to mono (left)		
Audio output	-8 dB, 1 kΩ (pin jack)		
i.Link	4-pin for DV input		
Component video output	Y : 1.0 Vp-p, 75 Ω PB/PR : 0.7 Vp-p, 75 Ω Corresponding to copy protection		
Optical	-18 dBm, 660 nm		
Coaxial	0.5Vp-p,75ohms Corresponding to Dolby Digital and DTS Digital Surround Bit stream Selectable in digital audio output setting menu		
TUNER/TIMER			
Signal system	PAL-type colour signal and CCIR monochrome signal, 625 lines 50 fields		
TV channel storage capacity	99 positions (+AUX position)		
Tuning system	Frequency synthesized tuner		
Channel coverage	(low) 42 MHz - 175 MHz/(high) 175 MHz - 470 MHz UHF 470 MHz - 870 MHz(Adjustable E28 - E60)		
Memory backup time	Approx. 60 min.		
ACCESSORIES			
Provided accessories	RF cable, Audio/video cable,Input Cable Adapter,Output Cable Adapter, Infrared remote control unit, "R6" battery × 2		RF cable, Audio/video cable,Input Cable Adapter,Output Cable Adapter, Infrared remote control unit, "R6" battery × 2,Conversion plug

Specifications shown are for SP mode unless otherwise specified.
E. & O.E. Design and specifications subject to change without notice.

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- The G-CODE/SHOWVIEW system is manufactured under license from Gemstar Development Corporation.
- G-CODE and SHOWVIEW are different trademarks used to represent the same easy recording feature. However, for simplicity, only the term G-CODE will be used in the instructions. If you use SHOWVIEW system, follow the same steps listed for the G-CODE system.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing users only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

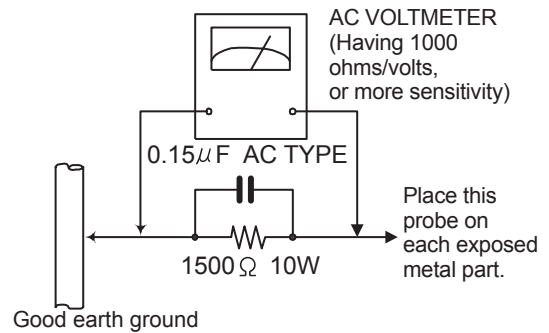
SECTION 1 PRECAUTION

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 DVD players.

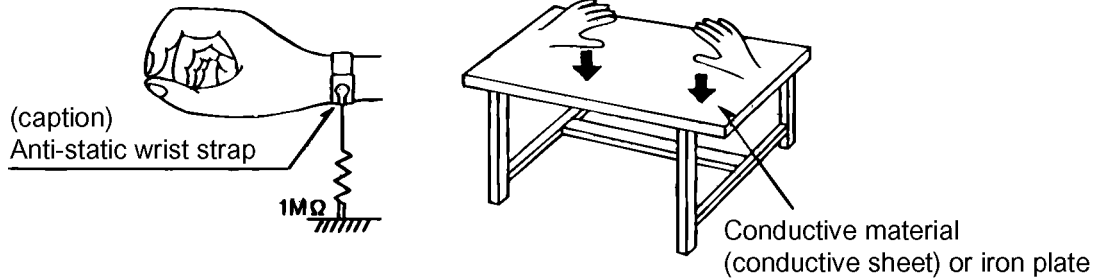
Be careful to use proper grounding in the area where repairs are being performed.

(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 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 LABEL and PRINT

WARNING LABEL and PRINT

On mechaism assembly



CAUTION VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSAETTELSE FOR STRÅLING SE IKKE IND I STRÅLEN - HELLER IKKE MED OPTISKE INSTRUMENTER.

ADVARSEL SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNDGÅ EKSPONERING FOR STRÅLEN STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

VARO! AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

VARNING SYNLIG OCH OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD. STRÅLEN ÄR FARLIG STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

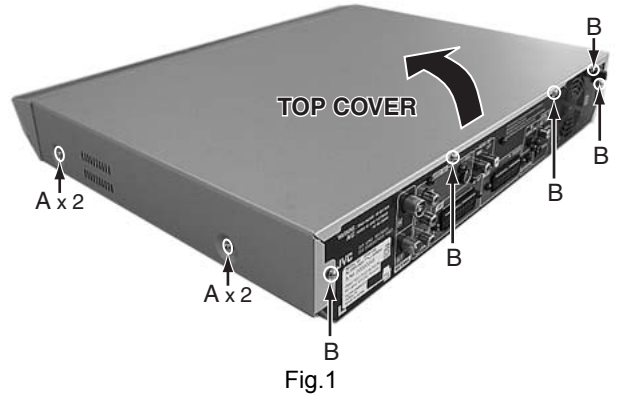
This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Remove the top cover (See figure 1)

- (1) Remove the four screws **A** attaching the top cover on both sides of the main body.
- (2) Remove the five screws **B** attaching the top cover on the back of the main body.
- (3) Raise the both sides and lower part of the rear of the top cover, with opening them slightly in an outward direction. And the top cover will be removed.

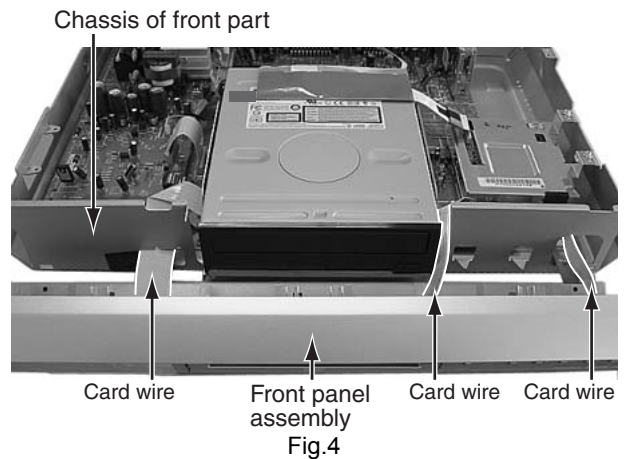
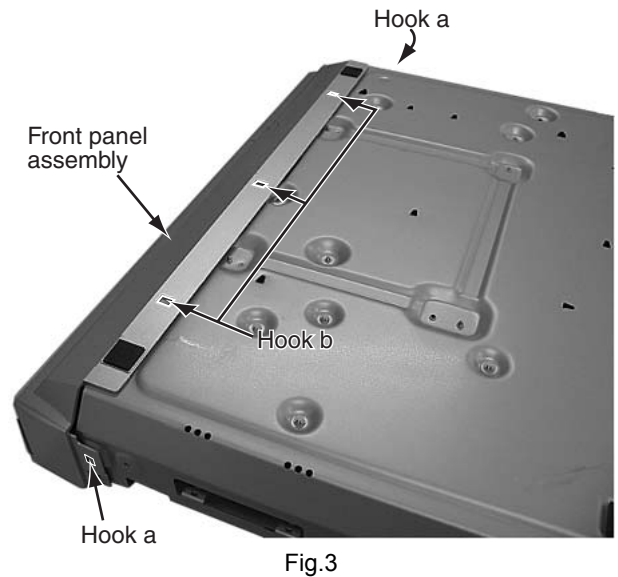
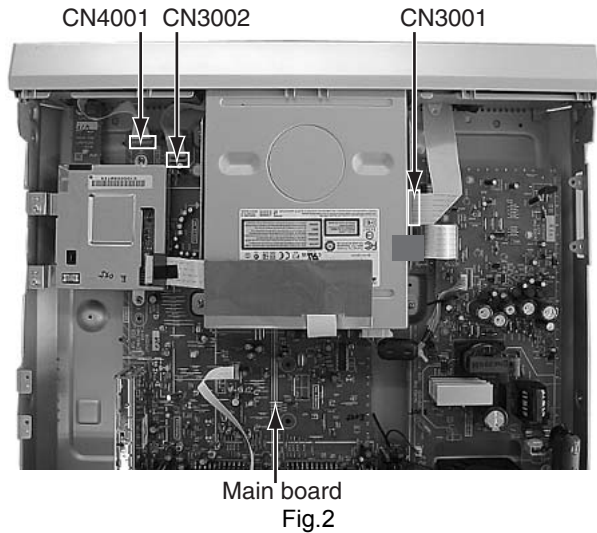


3.1.2 Remove the front panel assembly (See figure 2, figure 3, and figure 4)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the mechanism assembly.
- (1) Disconnect the card wires from connector [CN3001](#), [CN3002](#), [CN4001](#) on the main board.
- (2) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

NOTE:

In case of attach a front panel assembly, please let a card wire pass in the hole in the front part of a chassis, respectively, and connect.



3.1.3 Remove the mechanism assembly (See figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.
 - (1) Disconnect the socket wire from connector [CN5303](#) on the switching regulator board.
 - (2) Disconnect the card wire from connector [CN2201](#) on the digital board.
 - (3) Remove the four screws **C** attaching the mechanism assembly.

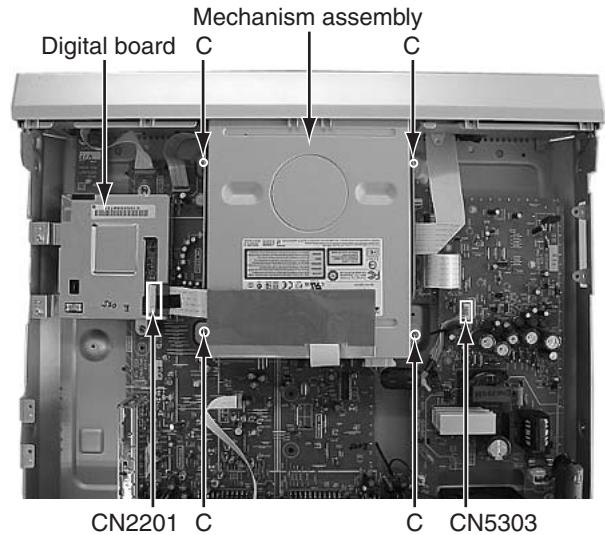


Fig.5

3.1.4 Remove the digital board (See figure 6, figure 7)

- Prior to performing the following procedure, remove the top cover.
 - (1) Disconnect the card wire from connector [CN2201](#) on the digital board.
 - (2) Remove the four screws **D** and **E** attaching the digital board.
 - (3) Remove the one screw **F** attaching the jack board.
 - (4) Lift the digital board up, and remove it. Then, the digital board is removed from the connectors [CN4101](#), [CN4102](#) on the main board. In attaching the digital board, insert the connector on the digital board in these connectors securely.

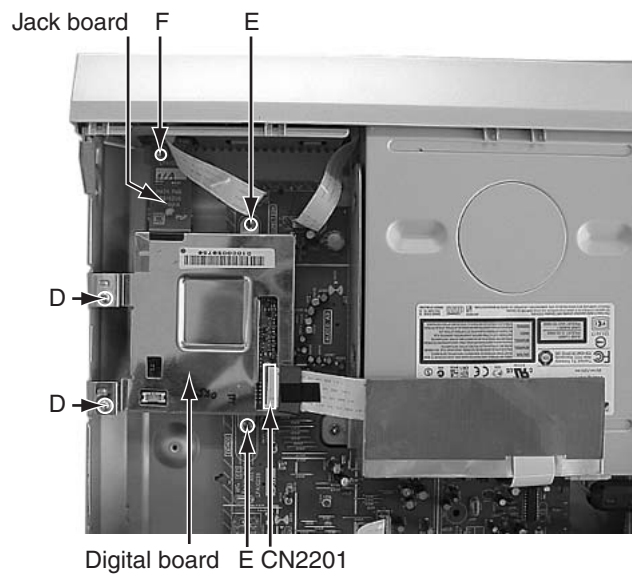


Fig.6

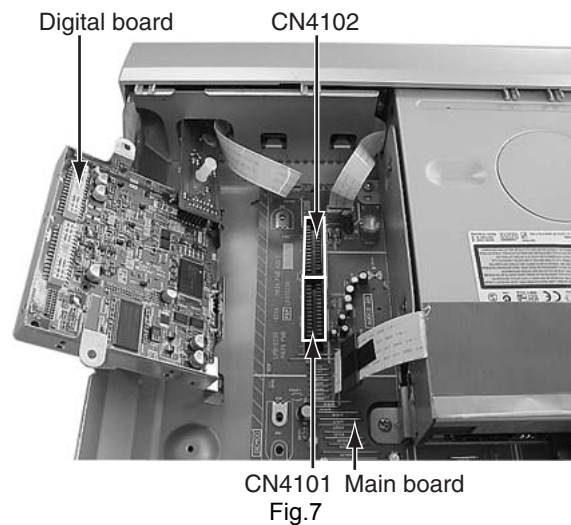


Fig.7

3.1.5 Remove the switching regulator board (See figure 8)

- Prior to performing the following procedure, remove the top cover.
- (1) Disconnect the card wire from connector [CN5301](#) on the switching regulator board.
- (2) Disconnect the socket wire from connector [CN5302](#), [CN5303](#), [CN5305](#) on the switching regulator board.
- (3) Disconnect the power cord from connector [CN5001](#) on the switching regulator board.
- (4) Remove the two screws **G** attaching the switching regulator board.
- (5) Four fasteners are removed.

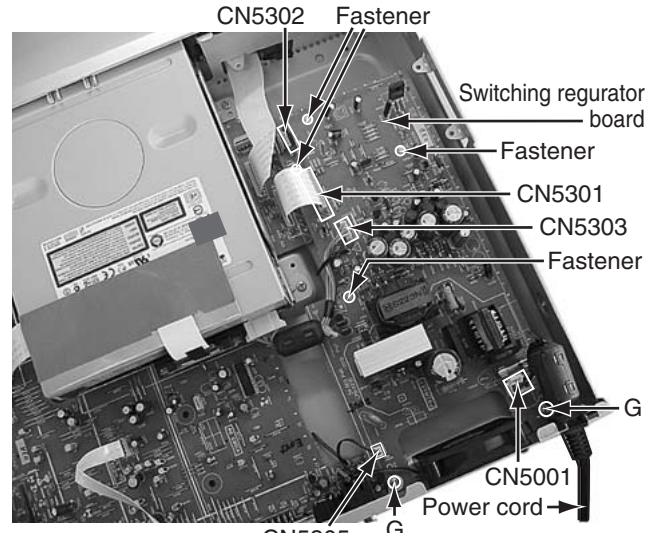


Fig.8

3.1.6 Remove the main board (See figure 9, figure 10)

- Prior to performing the following procedure, remove the top cover, mechanism assembly, module board.
- (1) Disconnect the card wire from connector [CN3001](#), [CN3002](#), [CN4001](#), [CN5101](#), [CN7301](#) on the main board
- (2) Disconnect the socket wire from connector [CN5302](#) on the switching regulator board.
- (3) Remove the two screws **H** attaching the main board.
- (4) Remove the seven screws **I** attaching the rear panel with main board.

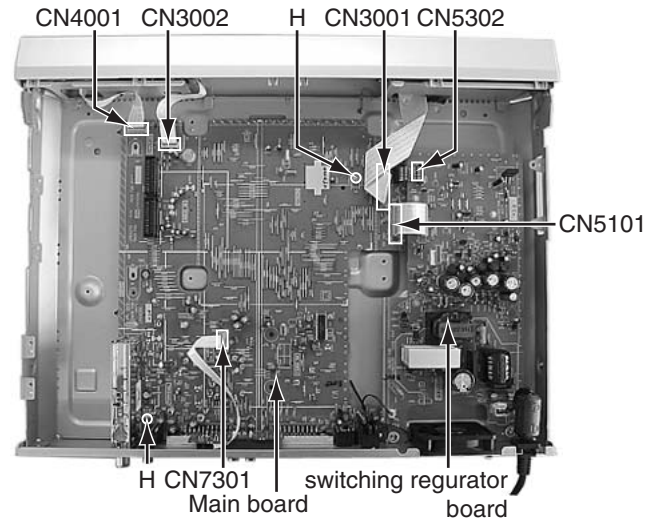


Fig.9

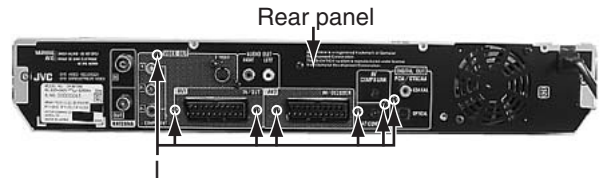


Fig.10

SECTION 4 ADJUSTMENT

4.1 Timer clock adjustment

If an error comes to arise for a clock, the following procedure will adjust.

Signal	(A1)	No signal
Mode	(B)	EE
Equipment	(C)	Frequency counter
Measuring point	(D1) (D2) (D3)	IC3001 pin 61 IC3001 pin 17 C3026 + and -
Adjustment part	(F)	C3025 (TIMER CLOCK)
Specified value	(G1)	1024.008 \pm 0.001 Hz (976.5549 \pm 0.0010 usec)

- (1) Connect the frequency counter to the measuring point (D1).
- (2) Connect the short wire between the short point (D2) and Vcc (5V).
- (3) Short the leads of capacitor (D3) once in order to reset the microprocessor of the system controller.
- (4) Disconnect the short wire between the short point (D2) and Vcc then connect it again.
- (5) Adjust the Adjustment part (F) so that the output frequency becomes the specified value (G).


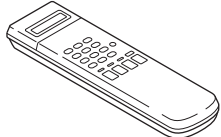

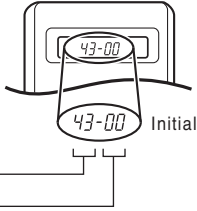
SECTION 5 TROUBLESHOOTING

5.1 JIG Mode

The following remote control units are required to set and cancel JIG mode.

For setting : a remote control unit attached to product.

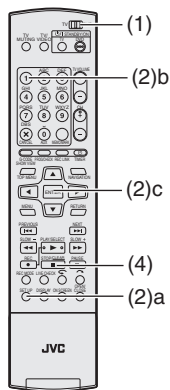
For cancellation : JIG remote control unit (part number : PTU94023B)

Remote control unit attached to product	JIG remote control unit
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p style="margin-top: 10px;">JIG remote control unit [Data transmission] Set the data code, and then press the "  " [3] button.</p> </div> <div style="width: 50%;"> <p>Custom code</p> <p>43:A Code</p> <p>53:B Code</p> <p>6F:C Code</p> <p>7F:D Code</p> <hr style="border: 0.5px solid black;"/> <p>Data code</p> </div> </div> <div style="text-align: right; margin-top: 20px;">  <p style="margin-left: 5px;">Initial mode</p> </div>

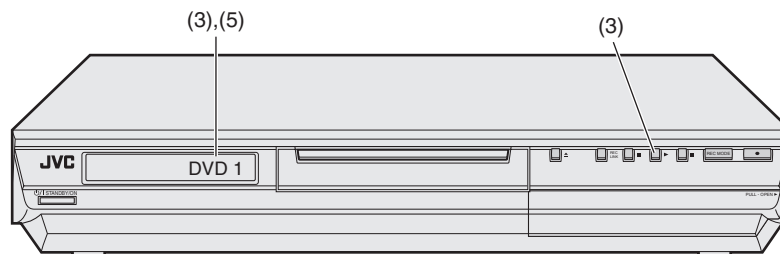
When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs to be changed to "Remote Control Code 1."

< Changing Remote Control Code >

- (1) If power save mode is turned ON, please turn OFF.
- (2) Switch TV/DVD Switch to "DVD"
- (3) Press the numeric button "1" of the remote control unit while pressing the "SET UP" button of the remote control unit. Then, press the "ENTER" button, and then release the "SET UP" button.
- (4) Press the "PLAY" button of the main body for five seconds or longer while the main body is in stand-by mode, and a current remote control code of the main body is displayed in FL indicator of the main body.
- (5) While keeping the state of (3), press the "STOP" button of the remote control unit toward the main body.
- (6) The code currently set on the remote blinks on the FL display for approximately 5 seconds, and applied to the unit.
When FL indicator displays "DVD1," it means that the Remote Control Code has been changed to "1."



"(2) a-c" shows the order of pressing the buttons.



5.1.1 Setting JIG mode

To display SYSTEM INFO or to upgrade firmware, the main body needs to be set to JIG mode.

- (1) Turn the main body ON.
- (2) Press the buttons of the remote control unit attached to product in the following order : "SET UP" → "2" → "8" → "ENTER"
- (3) When a colon ":" between "hour" and "minute" of a clock in FL indicator blink, it means that the main body has been set to JIG mode properly.

[Example]

Not in JIG mode

15 : 07



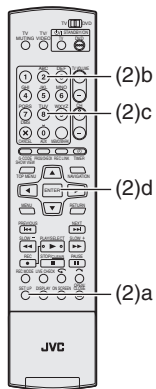
In JIG mode

15 : 07

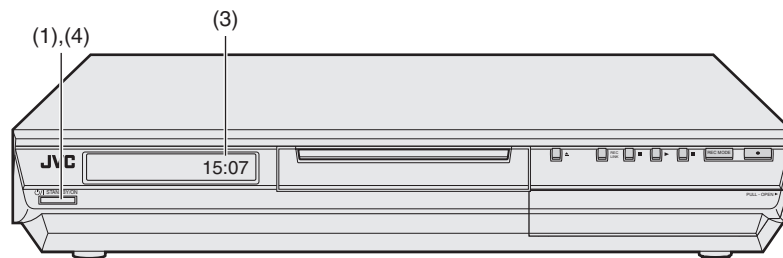
A colon blinks.

- (4) Turn the main body OFF, and then turn it ON again.

*Once the main body is set to JIG mode, the JIG mode cannot be cancelled even if the power cord is pulled out from the wall socket.



"(2) a-d" shows the order of pressing the buttons.



5.1.2 Canceling JIG mode

- (1) Transmit "43-9D" to the main body by using JIG remote control unit.
- (2) A colon ":" between "hour" and "minute" of a clock in FL indicator light.
- (3) Turn the main body OFF, and then turn it ON again.

NOTE:

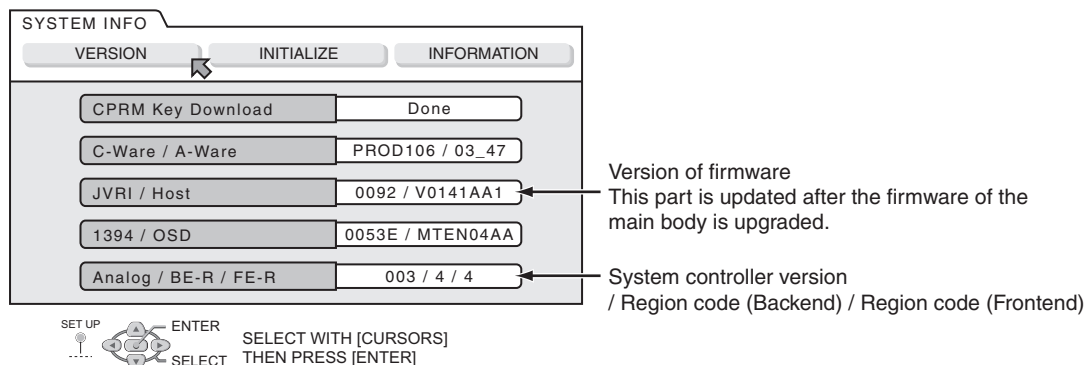
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

5.1.3 Displaying SYSTEM INFO

SYSTEM INFO contains information on firmware version of the main body and the mechanism drive, and an initialize execution menu.

- (1) Set the main body to JIG mode.
- (2) Transmit "43-8B" to the main body by using JIG remote control unit.
- (3) SYSTEM INFO menu is displayed in the television screen.
- (4) To move cursor in SYSTEM INFO, use the "▲", "▼", "◀", and "▶" buttons of a remote control unit attached to product.

< VERSION >



NOTE :

Items other than the ones described above are not used in service work.

- (5) To quit the SYSTEM INFO menu, transmit "43-8B" to the main body by using JIG remote control unit.
- (6) Cancel JIG mode.

5.1.4 Updating firmware of the main body

- Firmware update disk supports CD-R media.
 - (1) Download a compressed file of the latest firmware in "Digital Video Storage" page in JS-NET.
 - (2) Decompress the file, and a file "fwupdate.bin" is generated.
 - (3) Write "fwupdate.bin" in CD-R in ISO9660 format.(Don't use Packet Write software. Write in UDF format.)
 - (4) Set the main body to JIG mode.
 - (5) Transmit "43-70" to the main body by using JIG remote control unit.
 - (6) "UPDATE" appears in FL indicator. Load disk for update on the tray, and close the tray.
 - (7) Update processing is started automatically.
 - (8) Then, "FW UPDATE" appears in FL indicator. It takes approx. **6 minutes** at maximum to update firmware.
 - (9) The tray is ejected. Then, take out the disk and close the tray.
 - (10) Turn the main body OFF, and pull out the power cord from the wall socket. Then, plug the power cord into the wall socket.
 - (11) "LOADING" of FL indicator disappears. Then, turn the main body ON.
 - (12) Display the SYSTEM INFO menu, and check the version of the firmware.
 - (13) Cancel JIG mode.

ATTENTION :

Firmware may sometimes not be updated successfully.

If firmware is not updated successfully, the tray opens, and "ERROR" appears in FL indicator.

If firmware is updated successfully, the tray opens, and "OPEN" appears in FL indicator.

If the power cord is pulled out from the wall socket while "ERROR" appears, data in the flash memory is destroyed and the main body cannot start: the flash memory needs to be replaced.

After updating procedure, pay enough attention to FL indicator when the tray opens.

When "ERROR" appears, update firmware again in the following way to restore the firmware.

- (1) Transmit "43-70" to the main body by using JIG remote control unit while the tray opens.
- (2) When "UPDATE" appears in FL indicator, close the tray and make the main body read the disk. Updating starts.
- (3) After (2), perform updating procedure (4) - (10) of 5.1.4 Updating firmware of the main body above.

5.2 The setting method of a region code

A region code should be set after a DVD recorder mechanism unit is replaced.

While a DVD recorder mechanism unit is in a warehouse as a stock, a region code of the drive unit is not determined.

Only replacement of a DVD recorder mechanism unit may cause abnormal playback of Disc.

Set a region code of a DVD recorder mechanism unit in the following procedure.

- (1) Replace a DVD recorder mechanism unit.
- (2) Turn POWER switch of the unit ON.
- (3) Set the main body to JIG mode.
- (4) Insert a DVD-RAM disc in the unit to make the unit read the DVD-RAM disc.(The DVD-RAM disk used in this procedure is not a disk for upgrade. If it is a DVD-RAM disk, it is good anything.)
- (5) Send "43-F2" to the unit by using JIG remote control unit.
- (6) "REGION 2" is displayed on FL display.
- (7) Set the unit to STANDBY.
- (8) Turn the POWER switch ON.
- (9) To cancel JIG MODE, send "43-9D" to the unit by using JIG remote control unit.
- (10) Colon is displayed on a clock on FL display.
- (11) Setting is completed in the procedure above.

5.3 Taking out a disc

5.3.1 Method 1

- (1) AC Plug is pulled out at once and inserted again.
- (2) It is displayed on FL display as "LOADING", and while it blinks, pushing the EJECT button of a main body is continued.
- (3) After a while, a tray opens (About 20 seconds).
- (4) A disk is removed, the EJECT button of a main body is pushed, and a tray is made to close.
- (5) The "LOADING" blink display of FL display disappears and it will be in a standby state.
- (6) If the POWER button is pushed, it will usually be operating.

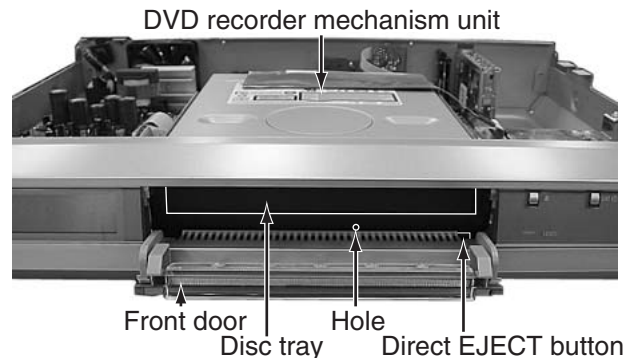
5.3.2 Method 2

When a disk is not able to be taken out by operation of "Method 1", a front door is opened manually, and the EJECT button in the lower right of a DVD recorder mechanism is pushed directly.

5.3.3 Method 3

A Disc can be taken out manually even when the main body is turned off.

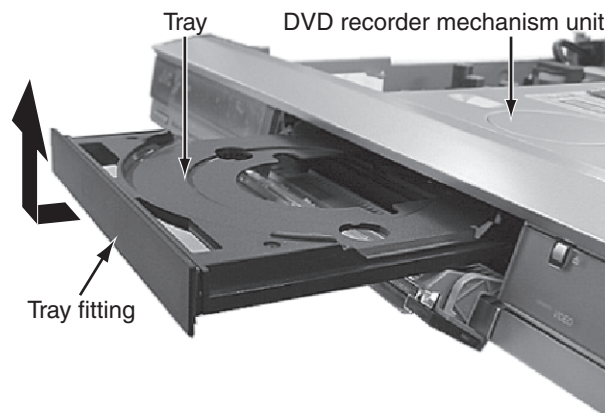
- (1) Open the front door.
- (2) Pass a thin wire through a hole in the DVD recorder mechanism unit.
- (3) The disc tray comes out slightly. Take out the disc tray manually.



5.4 The exchange method of a tray fitting

When DVD recorder mechanism unit is exchanged, please transplant a tray fitting from an old drive, or change for a new tray fitting.

A tray is pulled out manually, as shown in a figure, it carries out, and a tray fitting is removed.





JVC

Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY DIGITAL VIDEO STORAGE CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YD025)



Printed in Japan
WPC

JVC

SCHEMATIC DIAGRAMS

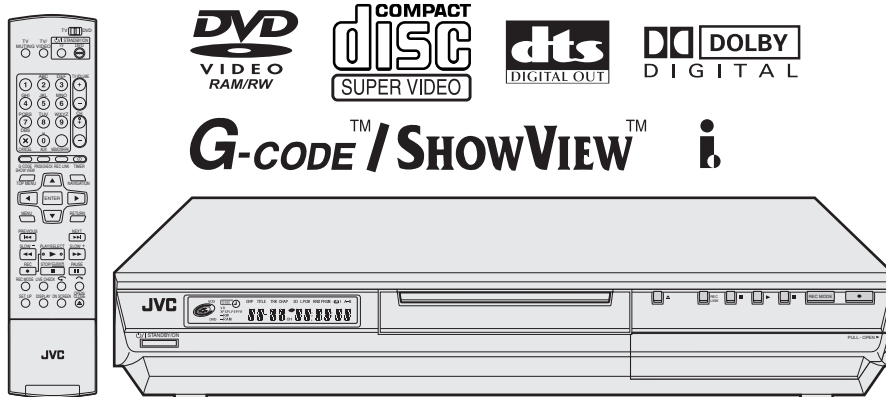
DVD VIDEO RECORDER

DR-M10SAA, DR-M10SAG DR-M10SAX

CD-ROM No.SML200406

Area Suffix

AA ----- Australia
AG ----- Universal Asia
AX ----- Middle East




DR-M10SAA, DR-M10SAG, DR-M10SAX [D4R10]

Since the whole mechanism assembly unit is replaced, the DVD recorder mechanism of this unit need not be adjusted.

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions

The Components identified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: KΩ(1000Ω), M: MΩ (1000KΩ)
- 2) All capacitance values are in μF, (P: PF).
- 3) All inductance values are in μH, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

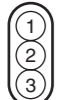
AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

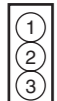
3. Interpreting Connector indications



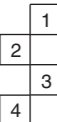
Removable connector



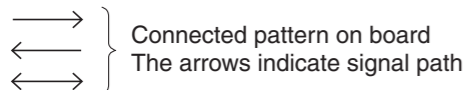
Wire soldered directly on board



Non-removable Board connector



Board to Board

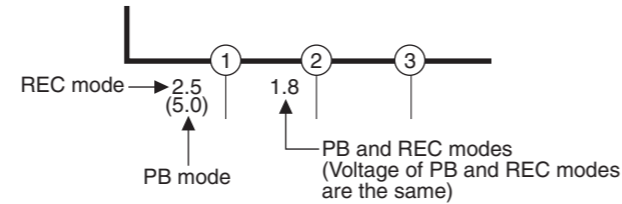


Connected pattern on board
The arrows indicate signal path

Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

- 1) Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 2) Indication on schematic diagram
Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

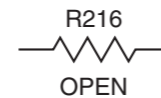
6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



CIRCUIT BOARD NOTES

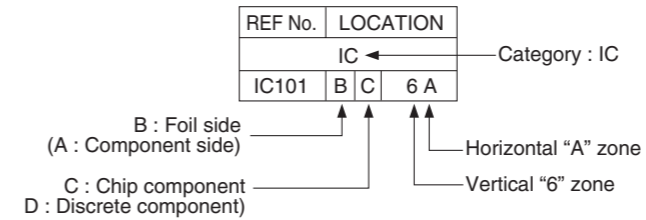
1. Foil and Component sides

- 1) Foil side (B side) :
Parts on the foil side seen from foil face (pattern face) are indicated.
- 2) Component side (A side) :
Parts on the component side seen from component face (parts face) indicated.

Parts location are indicated by guide scale on the circuit board.

2. Parts location guides

Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

Wiring diagram

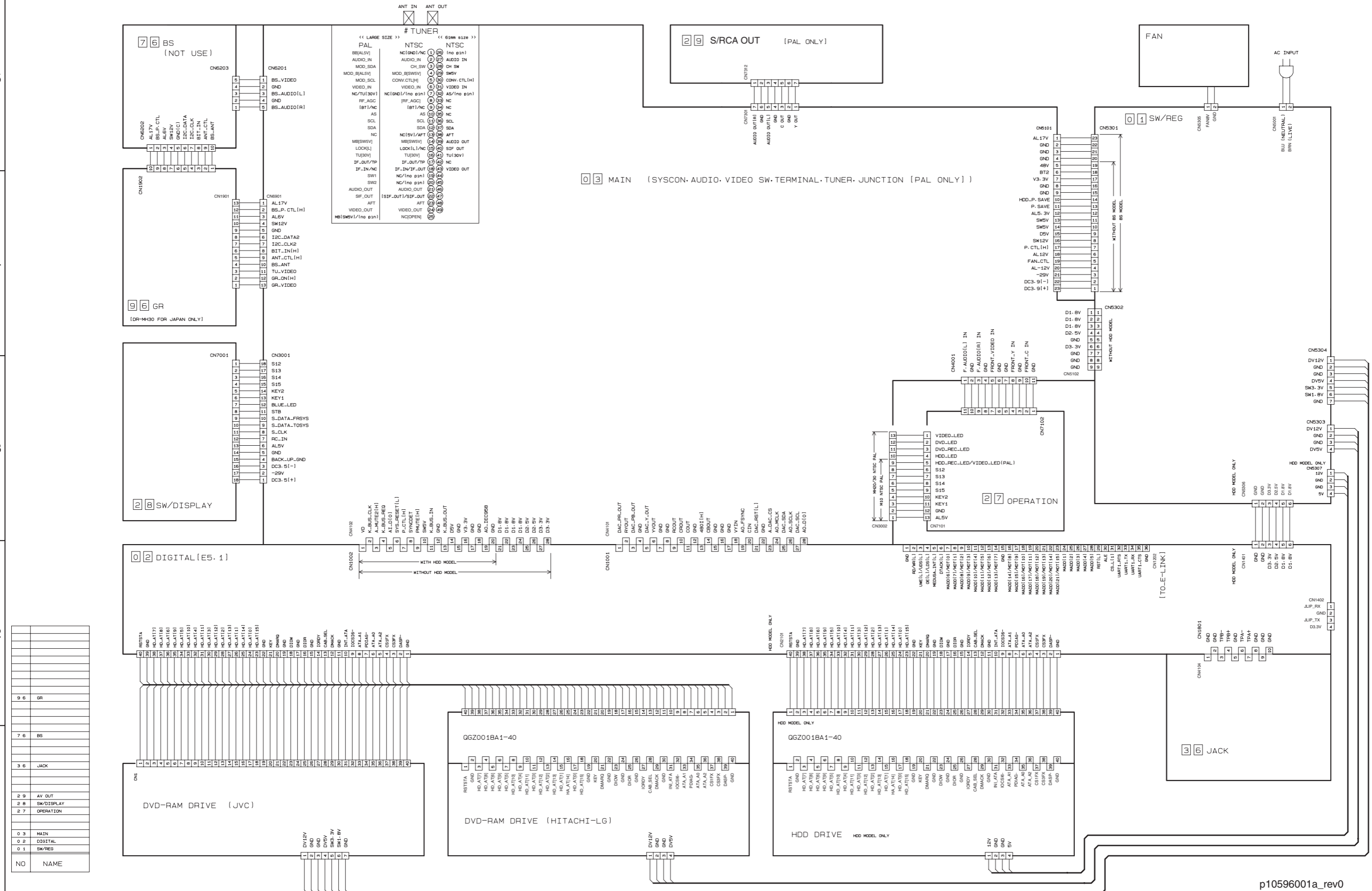
5

4

3

2

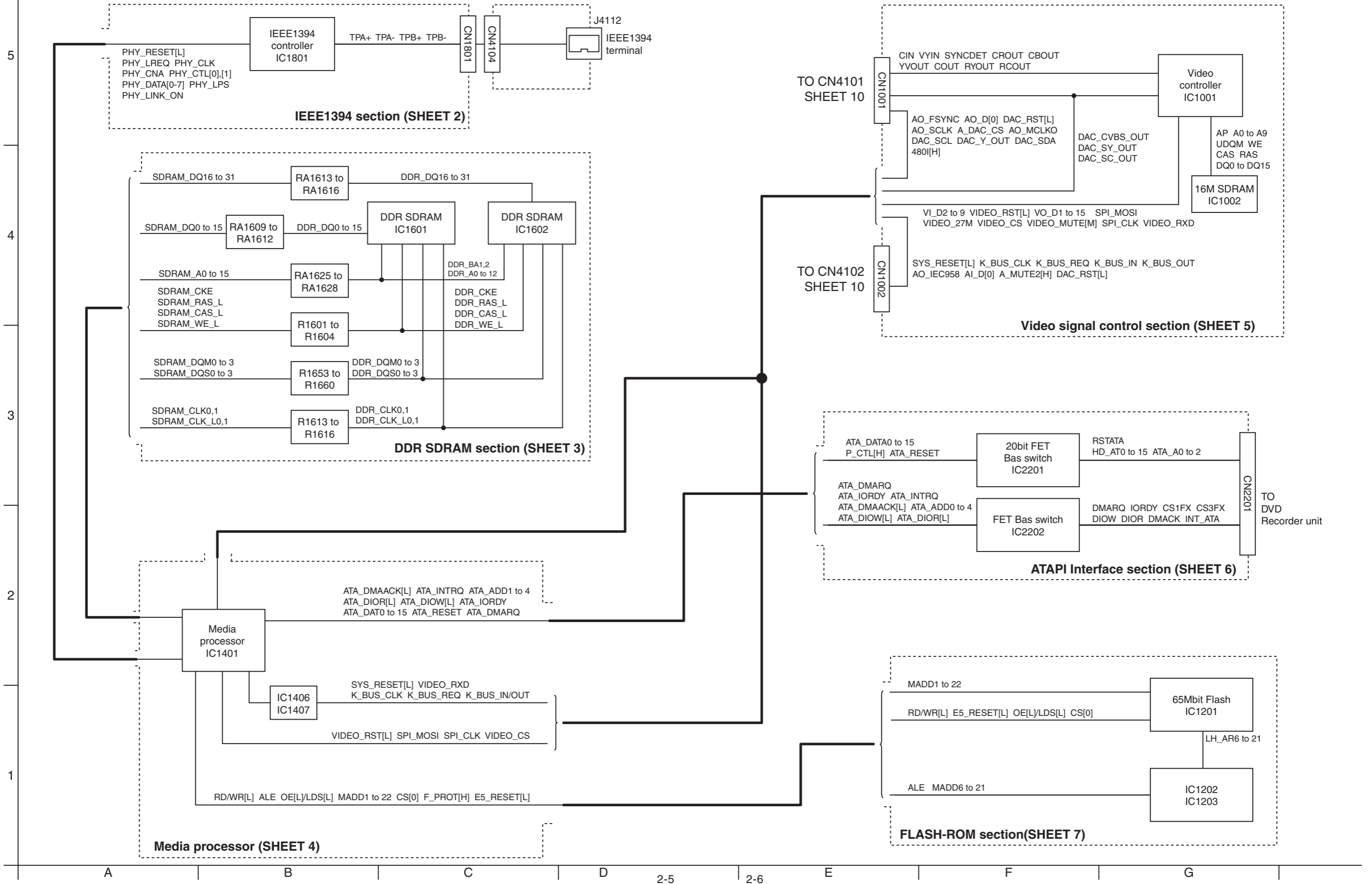
1

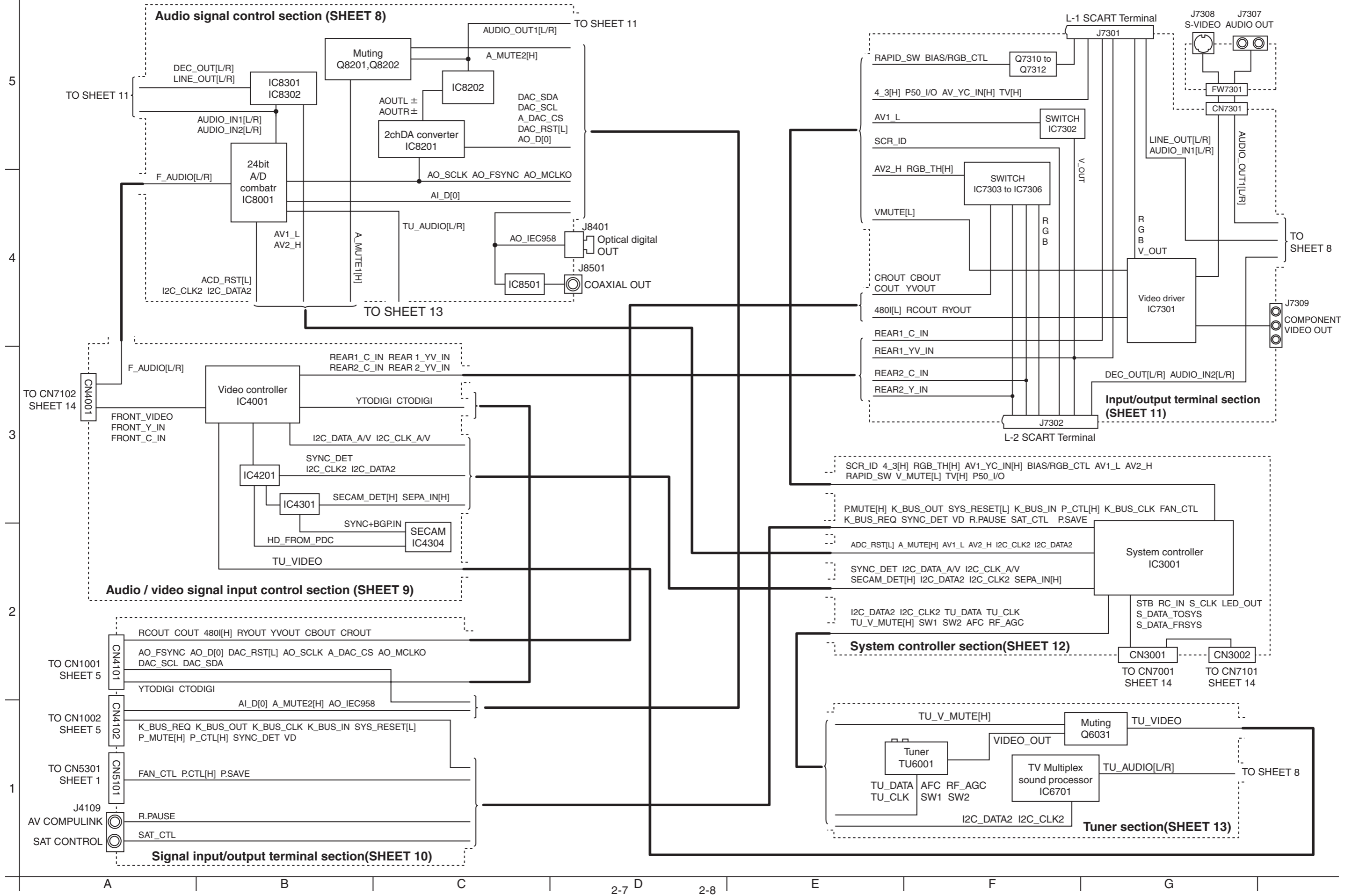


NO	NAME
0 3	MAIN
0 2	DIGITAL
0 1	SW/REG
2 9	AV OUT
2 8	SW/DISPLAY
2 7	OPERATION
3 6	JACK
7 6	BS
9 6	GR

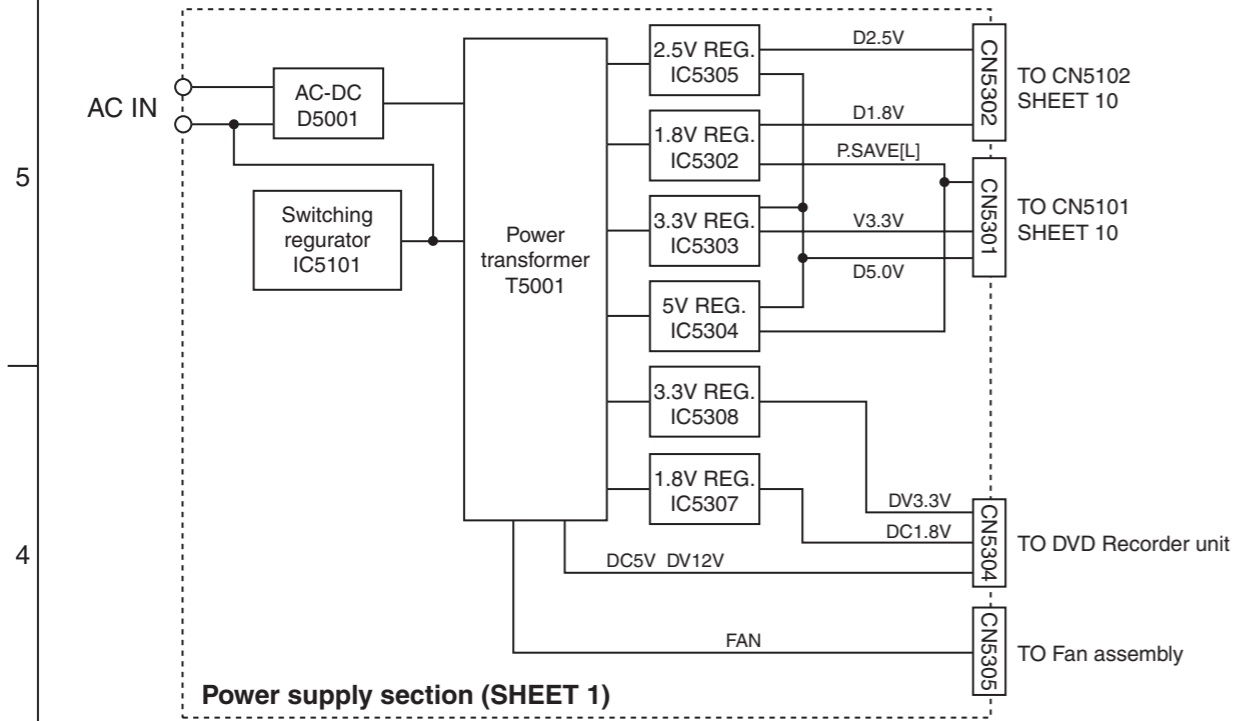
Block diagrams

■ DIGITAL 0 2

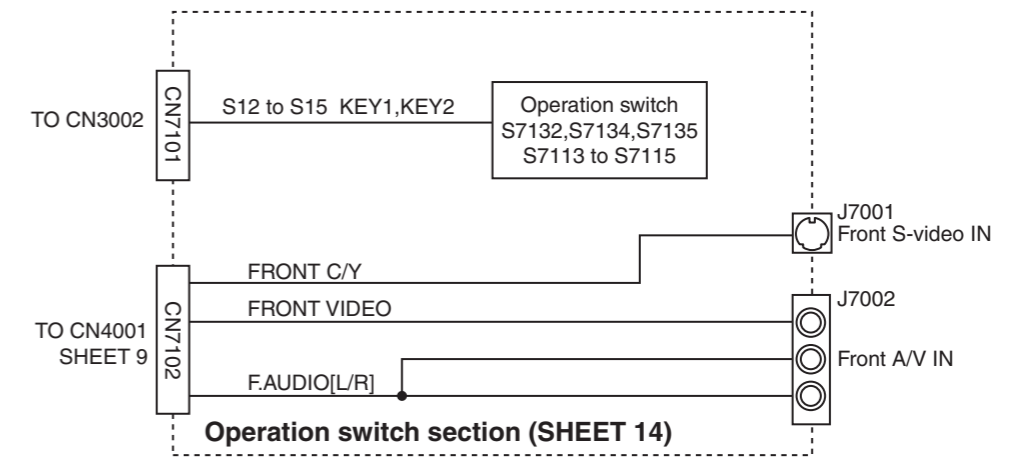




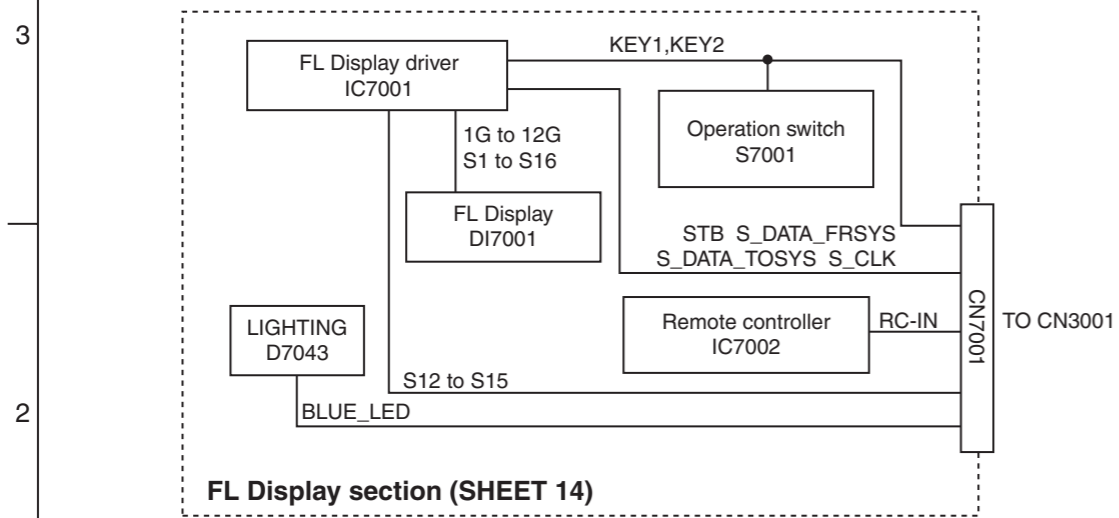
■ SW.REG 0 1



■ OPERATE 2 7



■ SW/DISPLAY 2 8



1

2

3

4

5

A

B

C

D

2-9

2-10

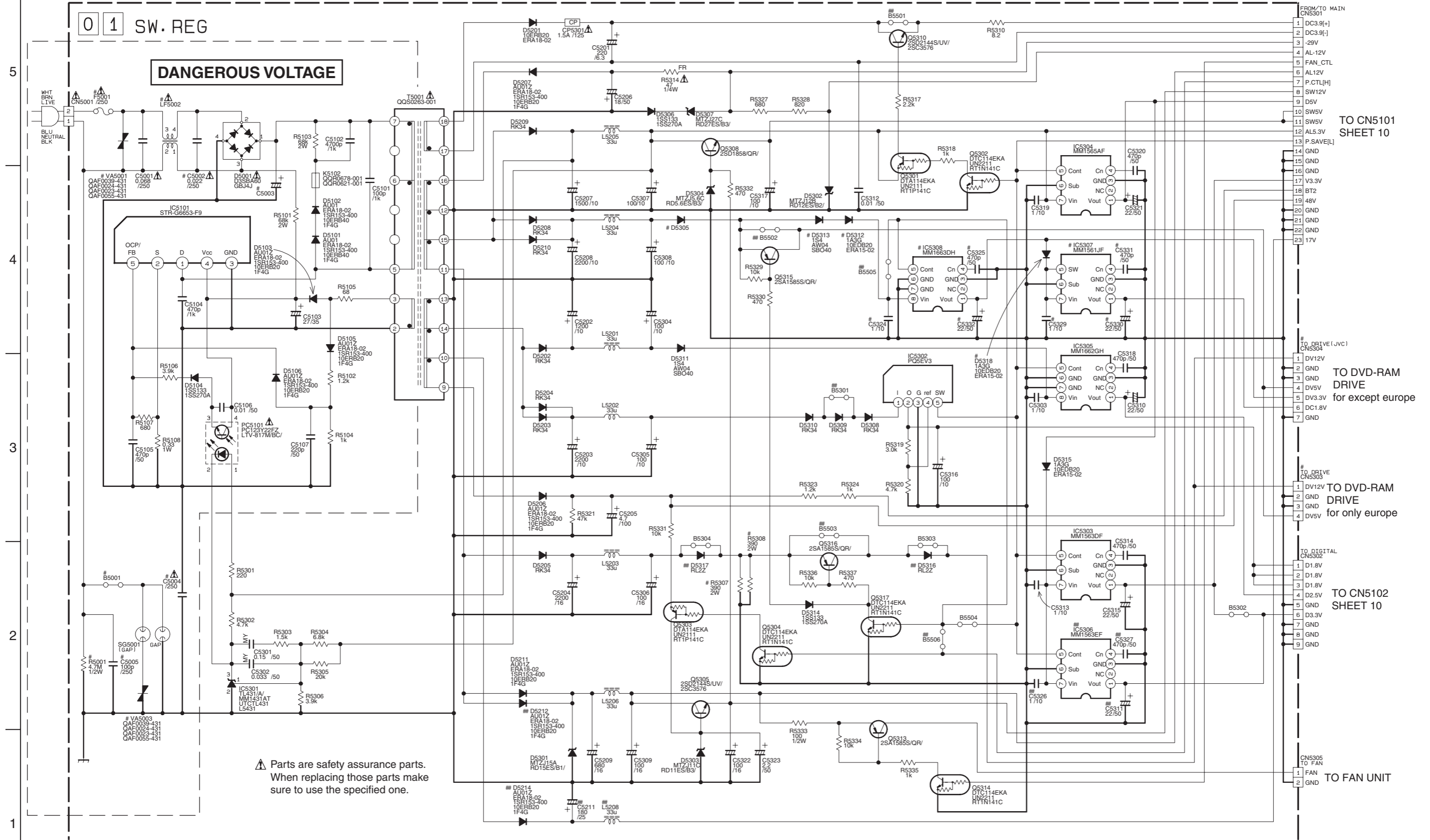
E

F

G

Standard schematic diagrams

Power supply section



DANGEROUS VOLTAGE

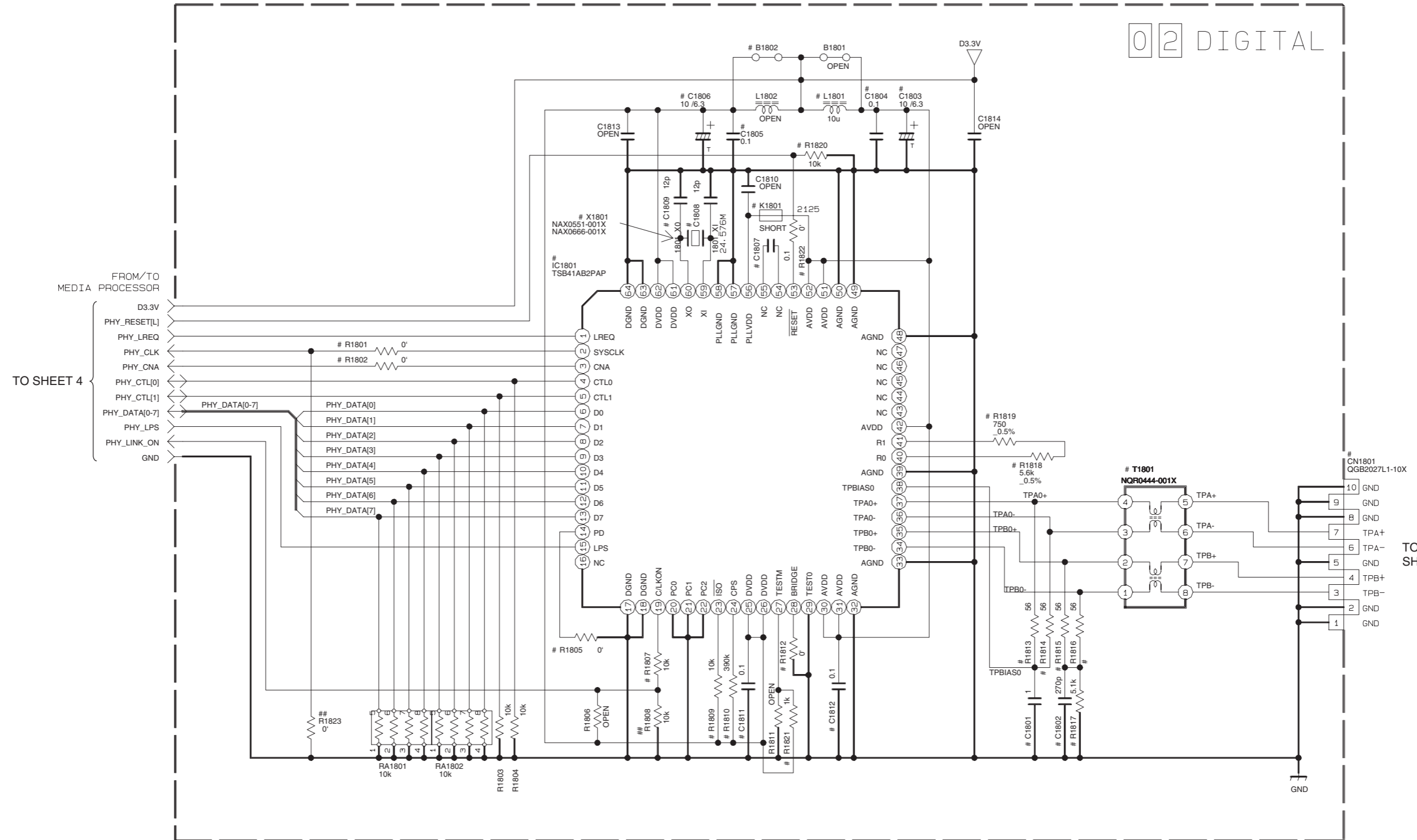
▲ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

##MARK ELEMENTS ARE NOT MOUNTED.
#DIFFERENCE TABLE

	B5001	C5002	C5003	C5004	C5005	F5001	LF5002	R5001	VA5001	VA5003	C5304	C5330	D5312	IC5308	R5308
US			330/200	4700p	YES	1.6A		YES	NO				YES		NO
JPN	YES	NO				GR0908-001 GR0984-001 GR1215-001		YES	YES					NO	YES
EURO	NO	YES	82/400	2200p	NO	T1.6AL GR1031-001		NO	NO				NO	YES	NO

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

⊖ ELECTROLYTIC ⊖ MYLER
⊖ CERAMIC ⊖ NON POLAR



TO SHEET 4

TO CN4104 SHEET 10

NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μ F.

- ELECTROLYTIC
- CERAMIC
- ORGANIC SEMICONDUCTOR
- TANTAL

DIFFERENCE TABLE

DV IN	# MARK	## MARK
○	○	×
×	×	○

5
4
3
2
1

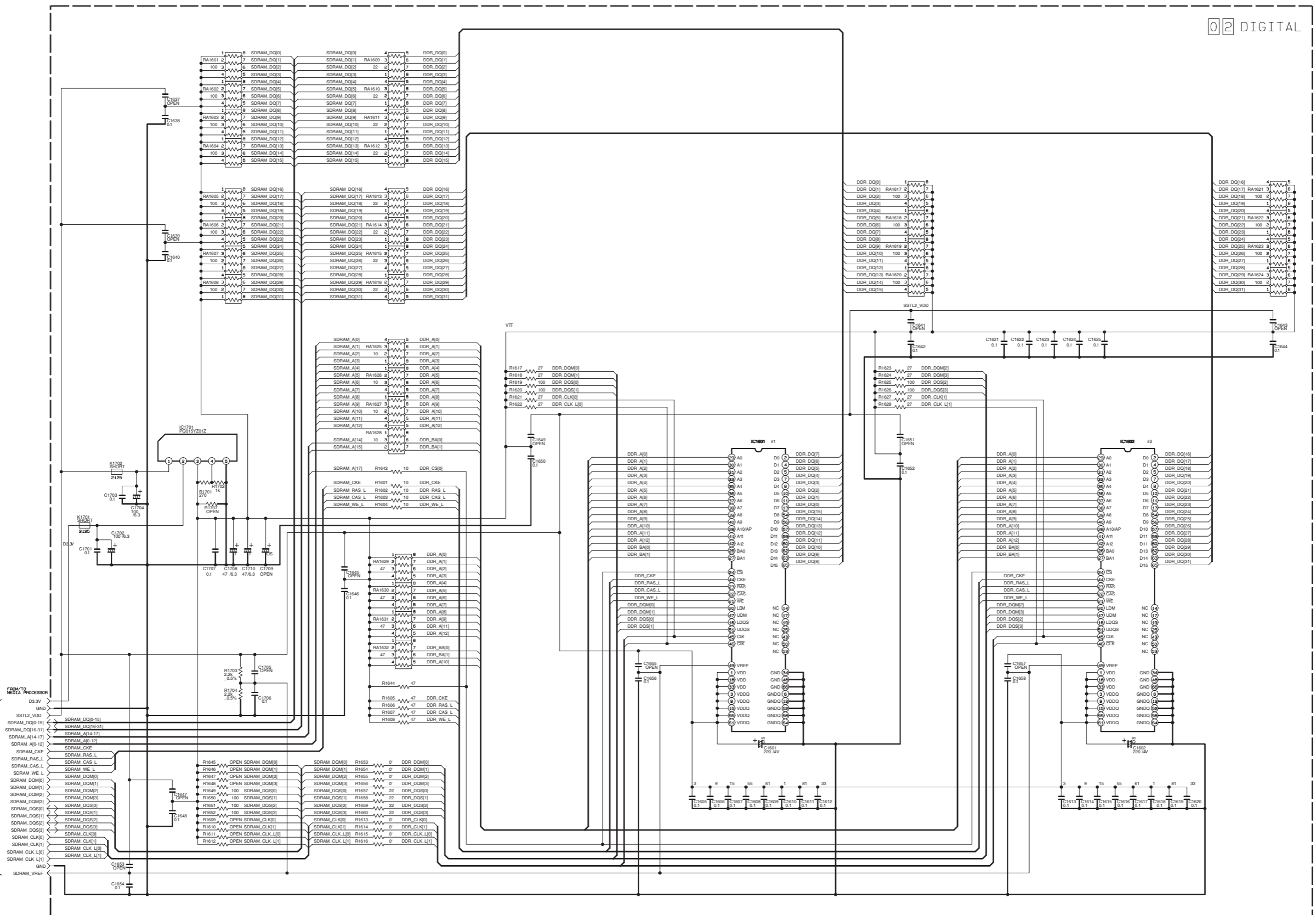
A B C D 2-13 2-14 E F G

DDR SDRAM section

02 DIGITAL

5
4
3
2
1

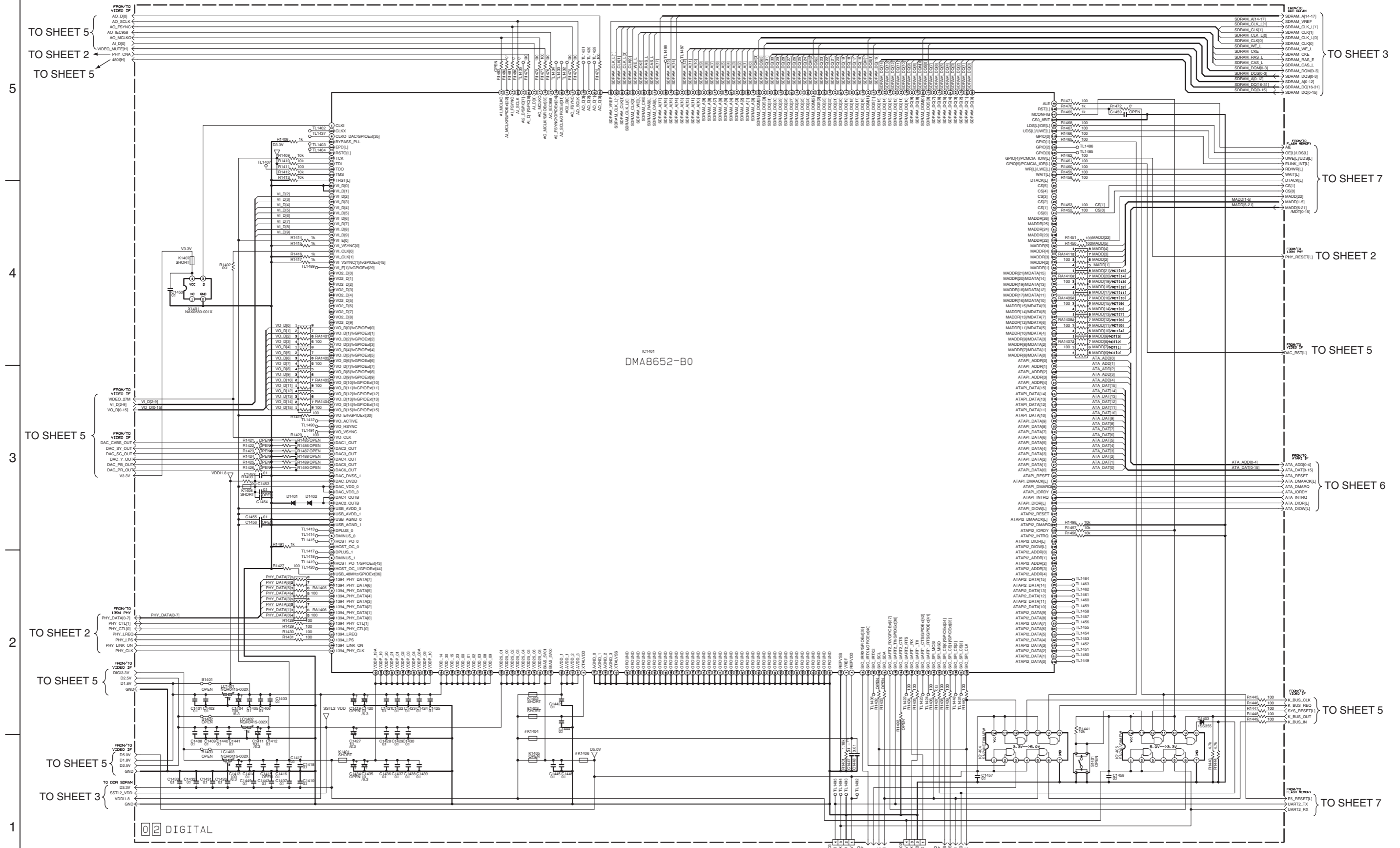
TO SHEET 4



NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN µF.
 [Symbol] ELECTROLYTIC
 [Symbol] CERAMIC
 [Symbol] ORGANIC SEMICONDUCTOR
 [Symbol] TANTAL

A B C 2-15 D 2-16 E F G

Media processor section



IC1401
DMA8652-B0

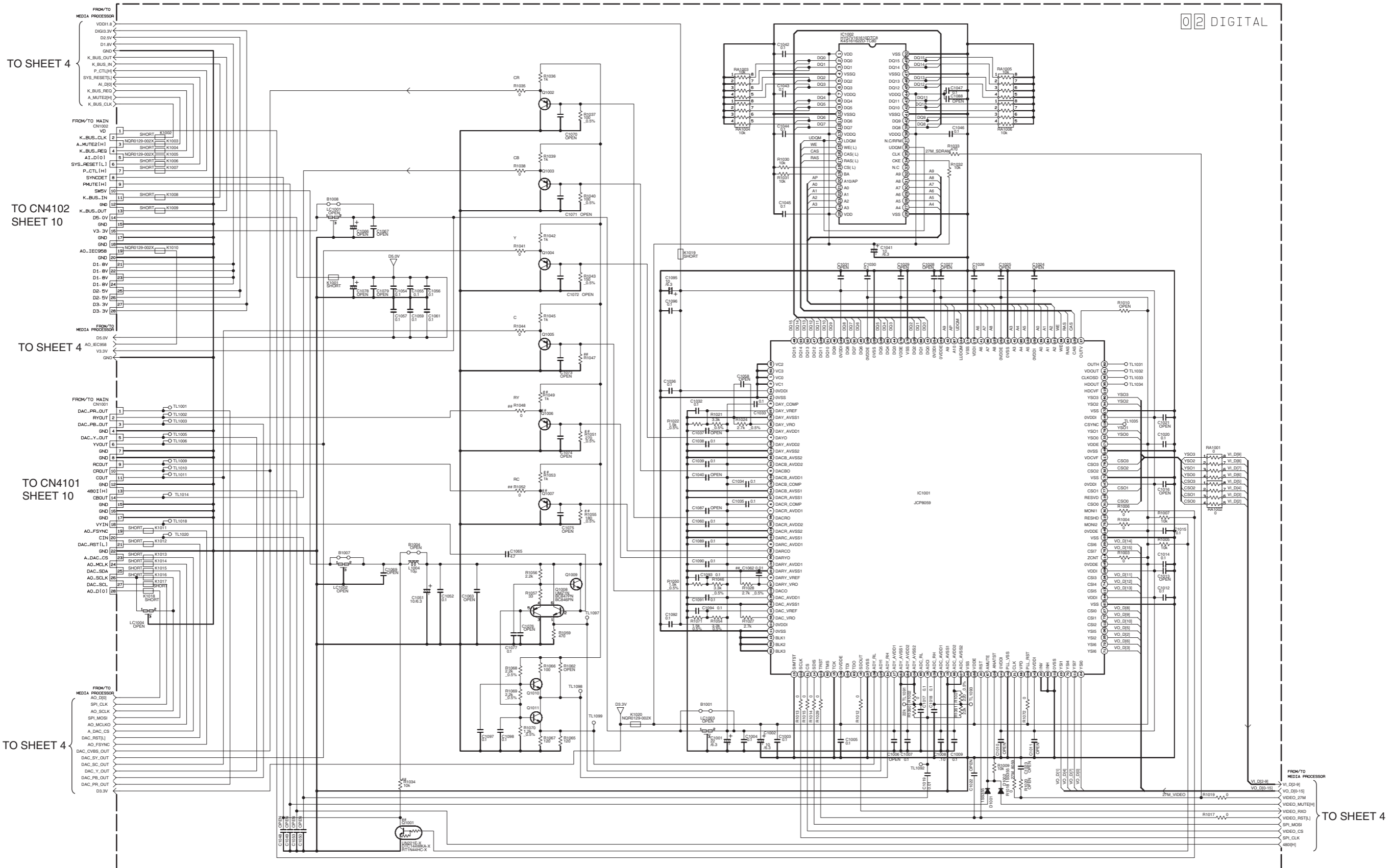
DIGITAL

MARK	DESCRIPTION
K1404-K1406	RESISTOR
US	SHORT
JPN	SHORT
PAL	NGPO339-001X

NOTES: UNLESS OTHERWISE SPECIFIED,
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN pF.
ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTALUM

Video signal controller section

02 DIGITAL



MARK

	Q1001- R1034	R1047	R1048- R1049- R1051- R1052- R1053- R1055- C1056- Q1056- Q1057
US	O	22010. 5X	X
LPN	O	22010. 5X	X
PAL	X	20010. 5X	O

NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN P.F.
 ALL NPN TYPE TRANSISTORS ARE 2SC2412K/GRS/-X
 or 2SC3928A/GRS/-X
 or 2SD0611A/GRS/-X
 ALL PNP TYPE TRANSISTORS ARE 2SA1037AK/GR/-X
 or 2SA1530A/GR/-X
 or 2SB7059A/GR/-X
 ELECTROLYTIC
 CERAMIC
 ORGANIC SEMICONDUCTOR
 TANTALUM

■ ATAPI Interface section

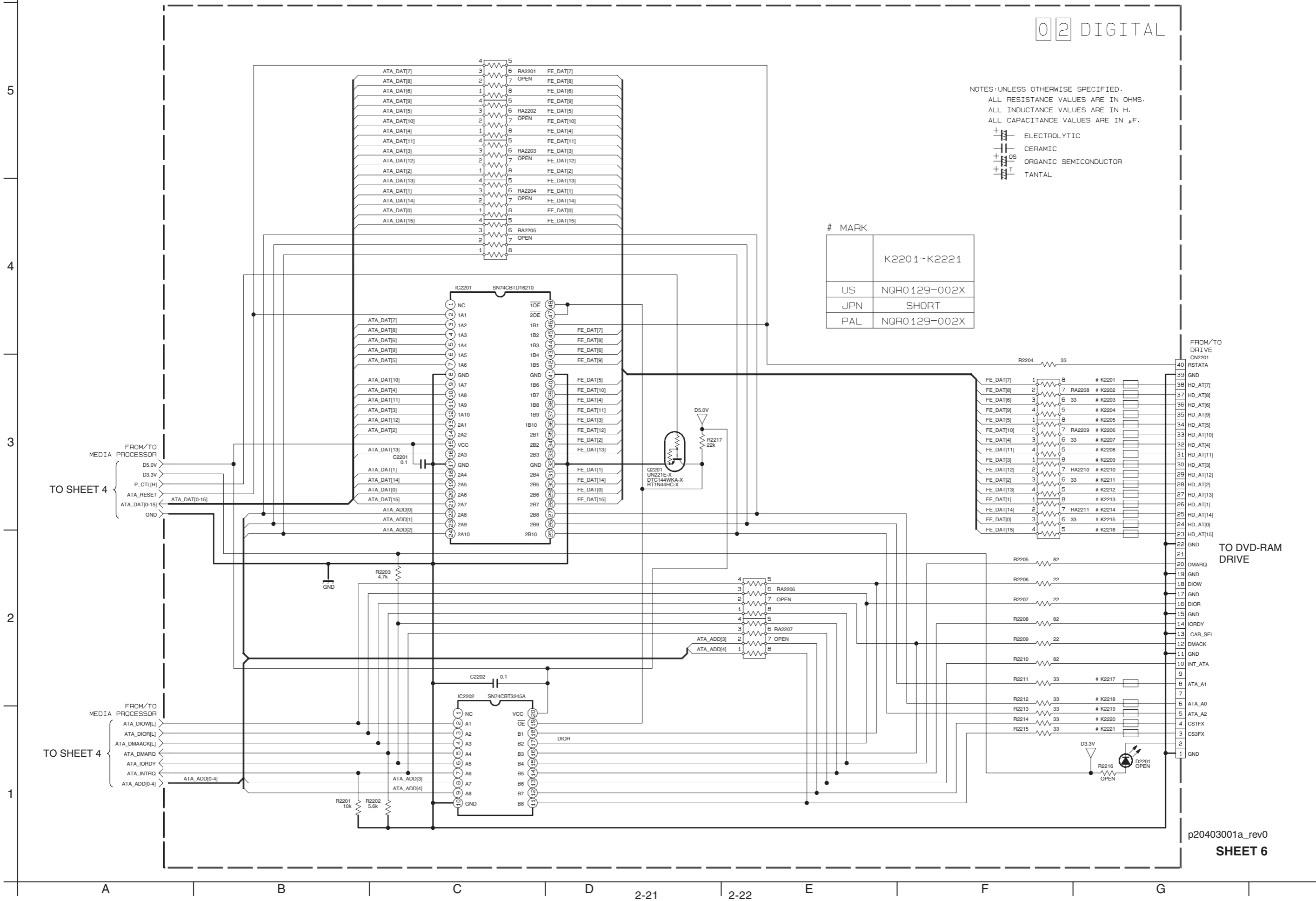
02 DIGITAL

NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μF.

- ELECTROLYTIC
- CERAMIC
- ORGANIC SEMICONDUCTOR
- TANTAL

MARK

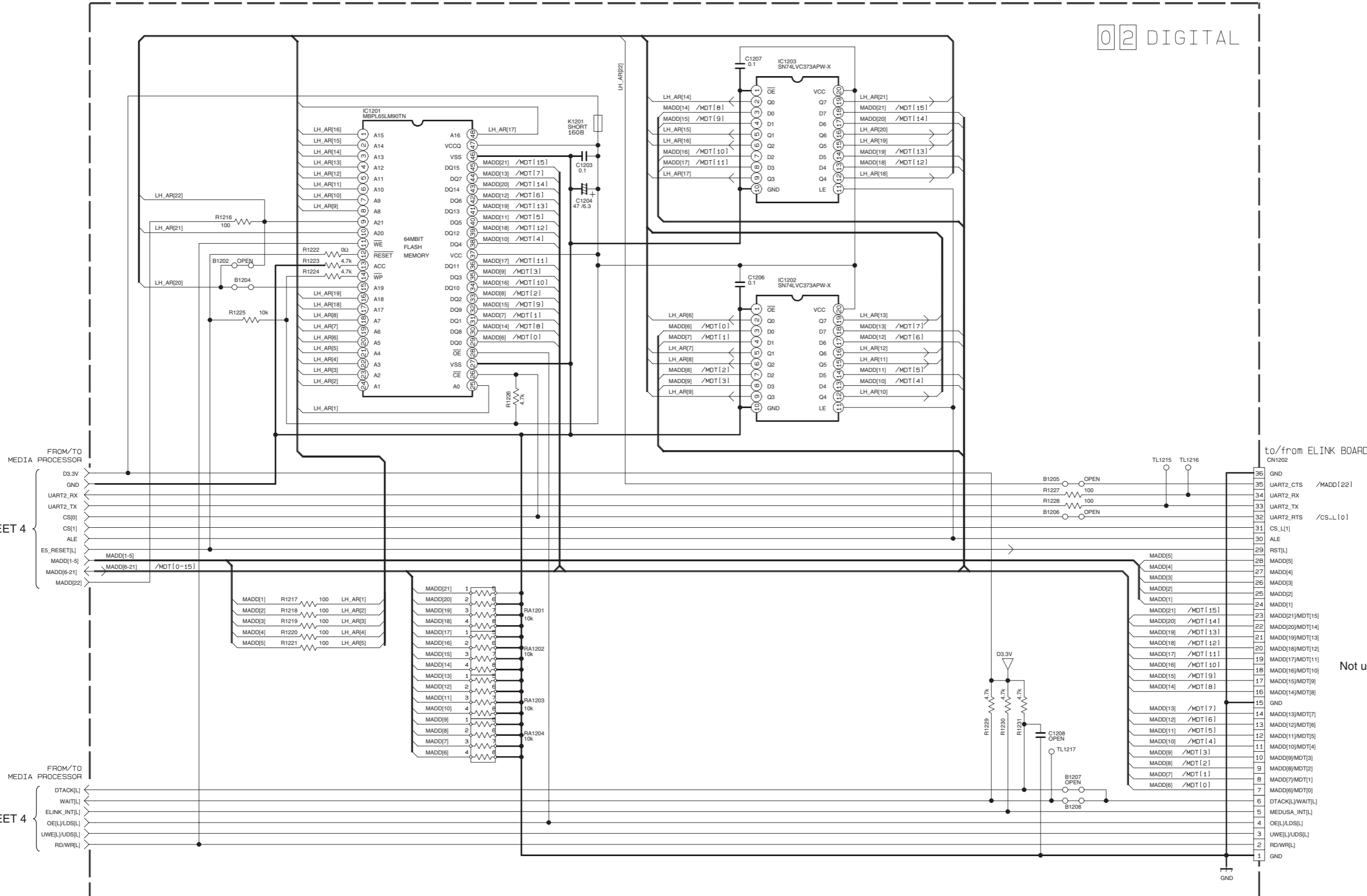
	K2201~K2221
US	NQR0129-002X
JPN	SHORT
PAL	NQR0129-002X



FLASH-ROM section

02 DIGITAL

5
4
3
2
1



TO SHEET 4

TO SHEET 4

Not use

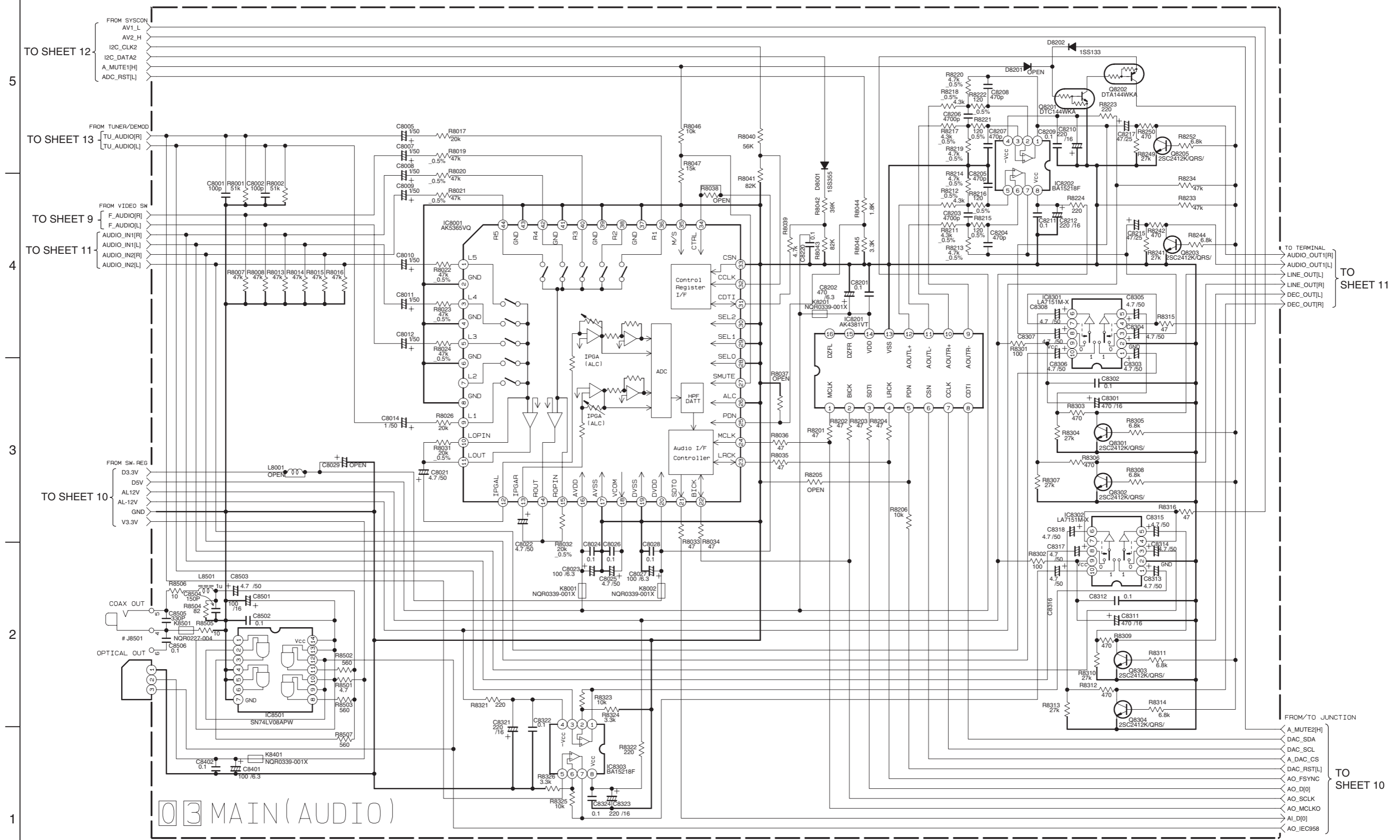
NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN µF.

ELECTROLYTIC
 CERAMIC
 ORGANIC SEMICONDUCTOR
 TANTAL

A B C D E F G

2-23 D 2-24

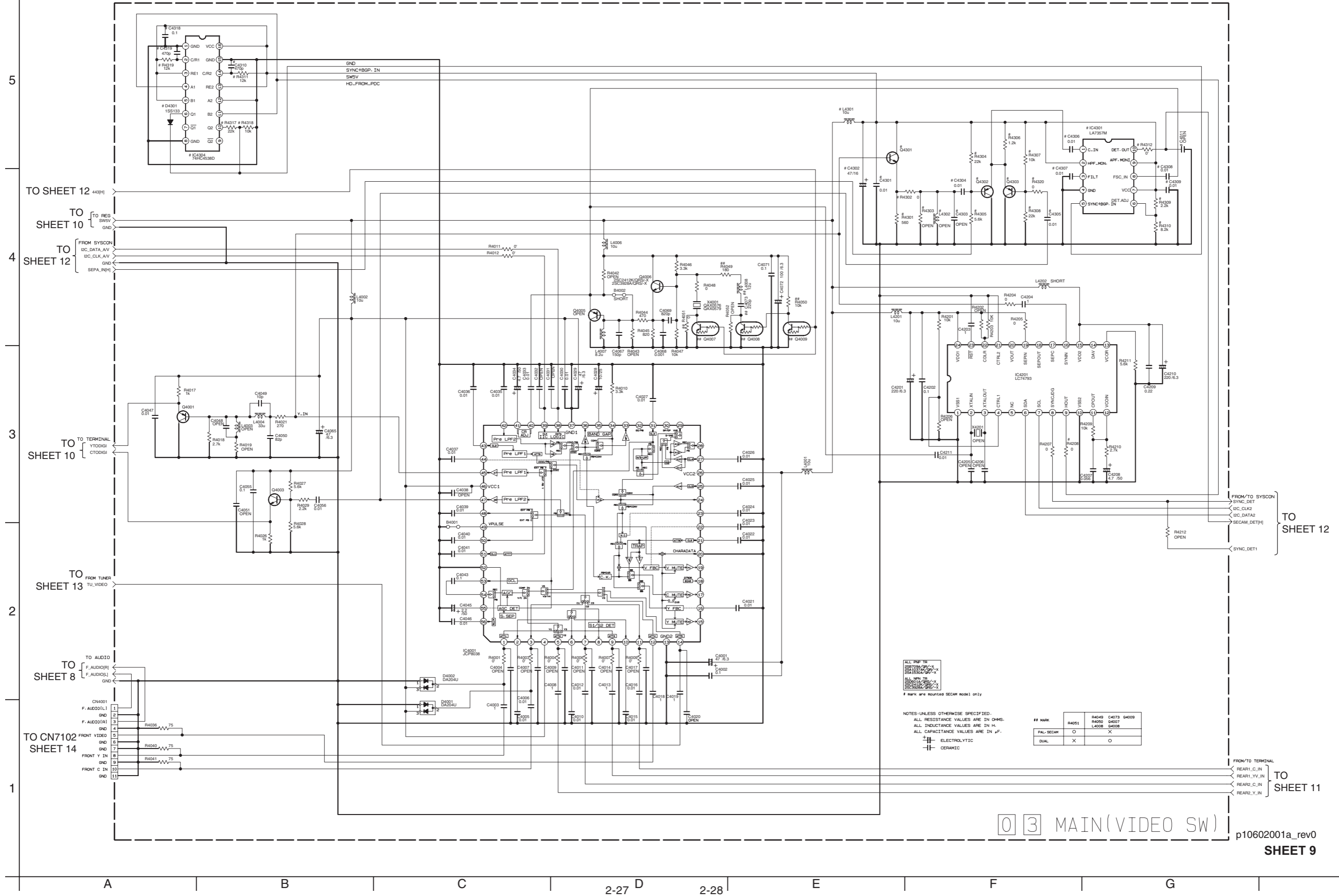
■ Audio signal control section



03 MAIN (AUDIO)

NOTES: UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μF.
 [Symbol] ELECTROLYTIC [Symbol] MYLER
 [Symbol] CERAMIC [Symbol] NON POLAR

■ Audio/Video signal input control section



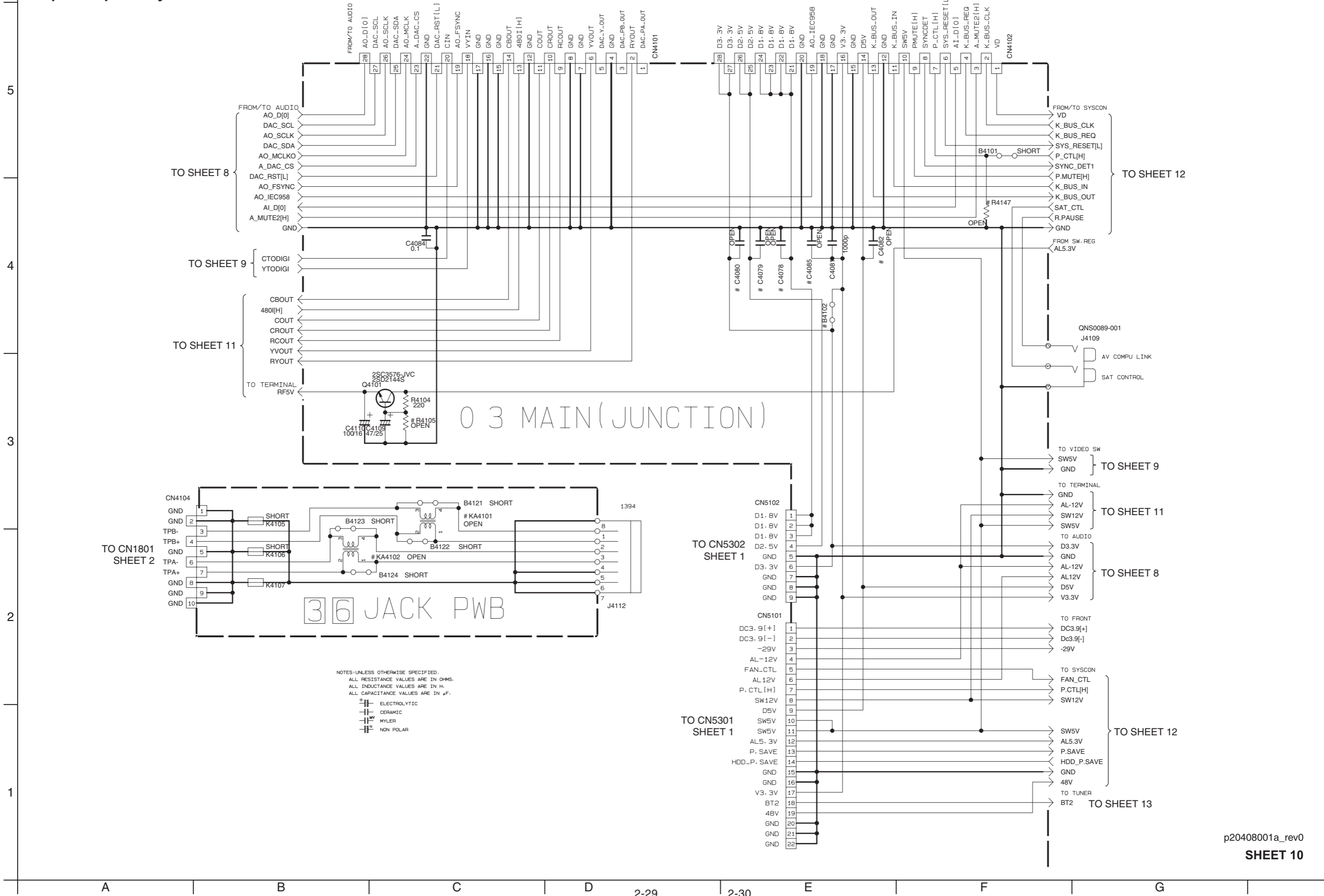
ALL PARTS ARE
 SHOWN IN THE
 PARTS LIST
 UNLESS OTHERWISE SPECIFIED.

NOTES-UNLESS OTHERWISE SPECIFIED:
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μF.

## MARK	R4051	R4049	C4073	Q4009
PAL-SECAM	O	X	X	X
DUAL	X	X	O	O

03 MAIN(VIDEO SW)

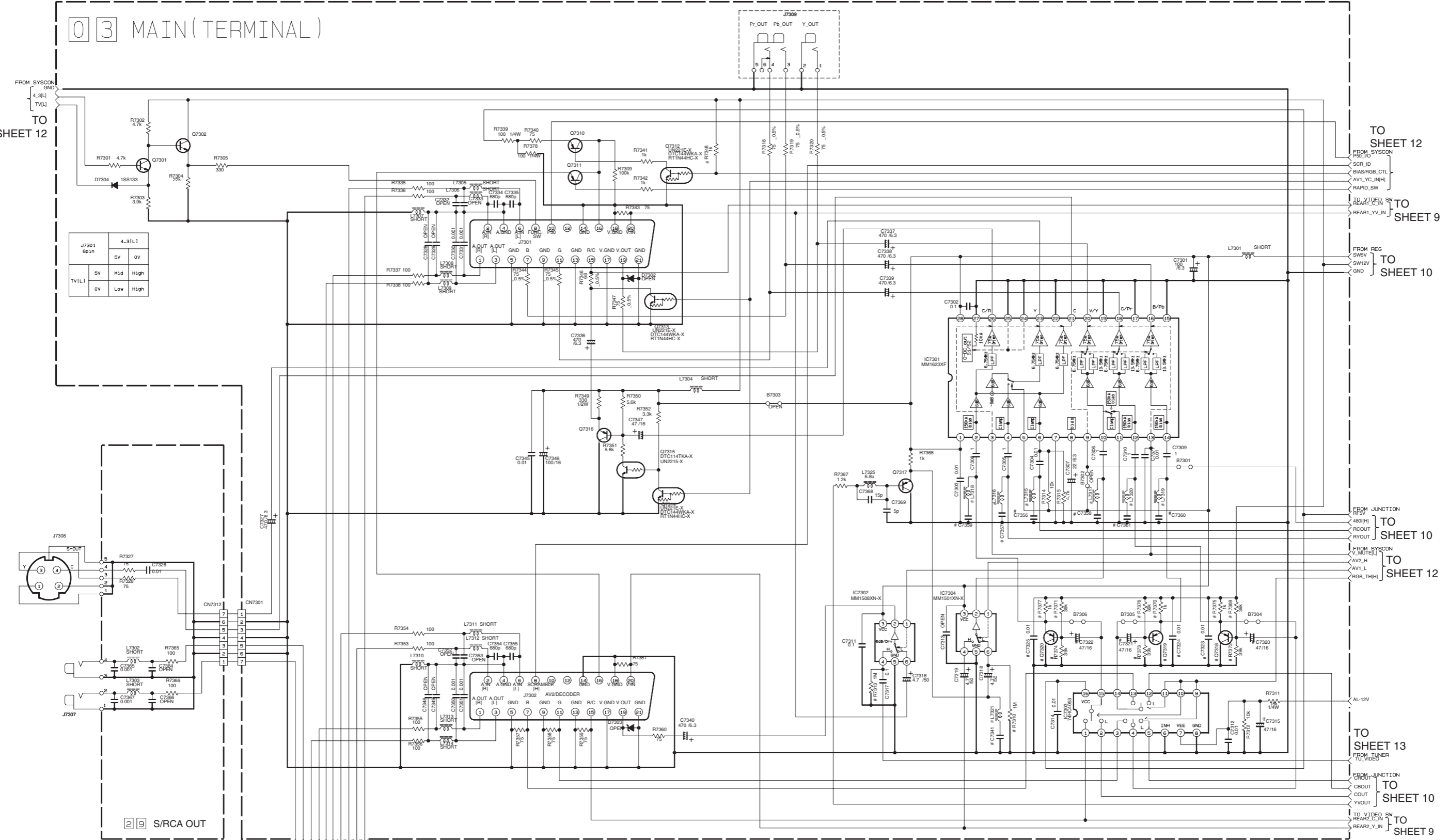
Input/Output relay section



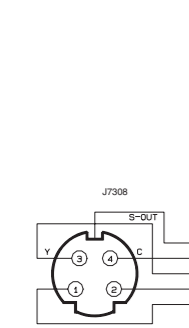
Input/Output terminal section

5
4
3
2
1

0 3 MAIN (TERMINAL)



J7301	5p.u.	4.3(L)	
	5V	Mid	OV
TV(L)	OV	Low	High



2 9 S/RCA OUT

FROM/TO AUDIO
AUDIO_OUT1L
DEC_OUT1L
DEC_OUT1R
LINE_OUT1L
AUDIO_IN1L
AUDIO_IN1R
AUDIO_IN1P

TO SHEET 8

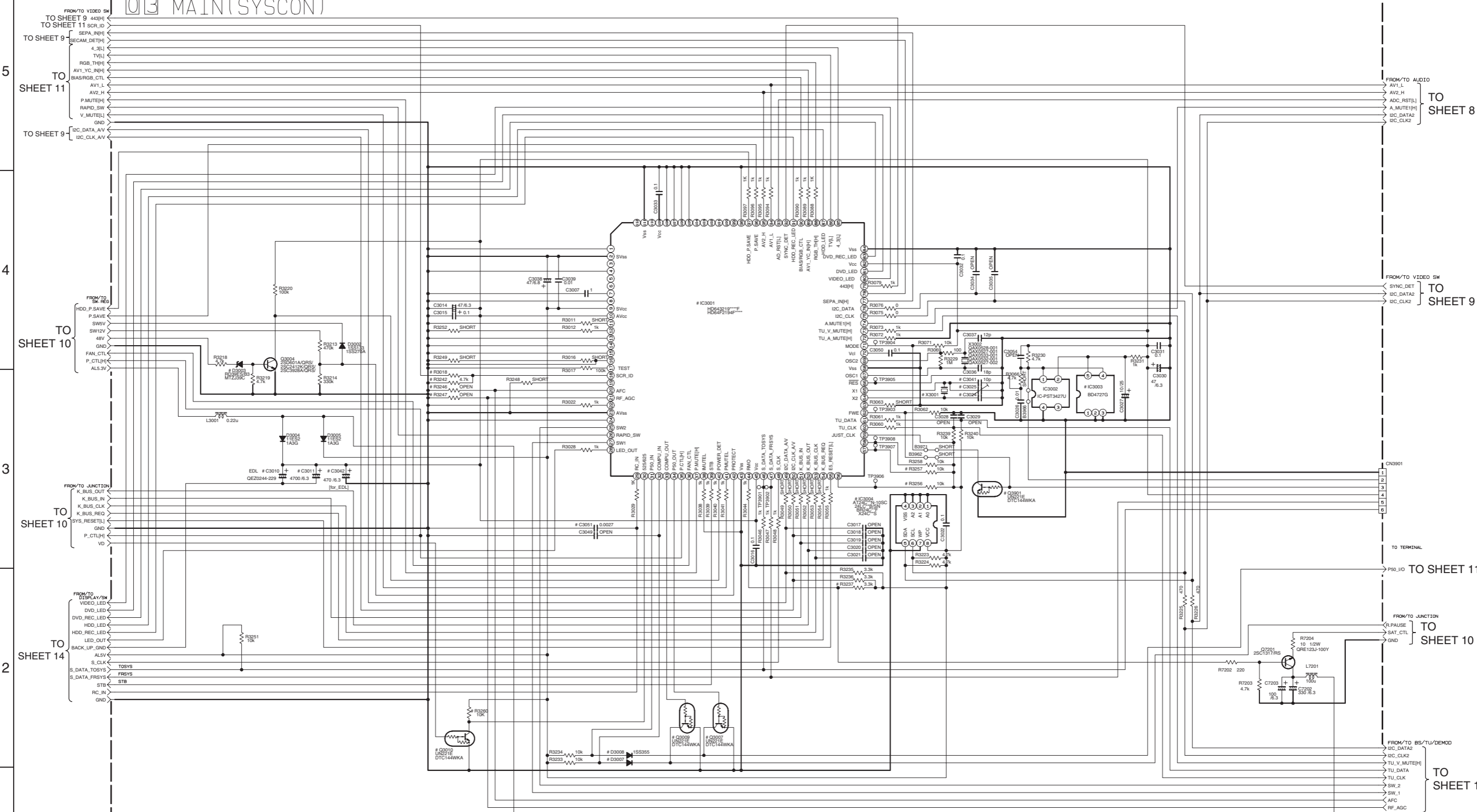
ALL PNP TR
S81125A/47K-X
S81125B/47K-X
S81125C/47K-X
ALL NPV TR
S81125A/47K-X
S81125B/47K-X
S81125C/47K-X
* mark are not mounted.

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC

A B C D E F G

System controller section

03 MAIN(SYSCON)



NOTES: UNLESS OTHERWISE SPECIFIED:
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN μF.
 — ELECTROLYTIC
 — CERAMIC
 — MYLER
 — NON POLAR

■ Tuner section

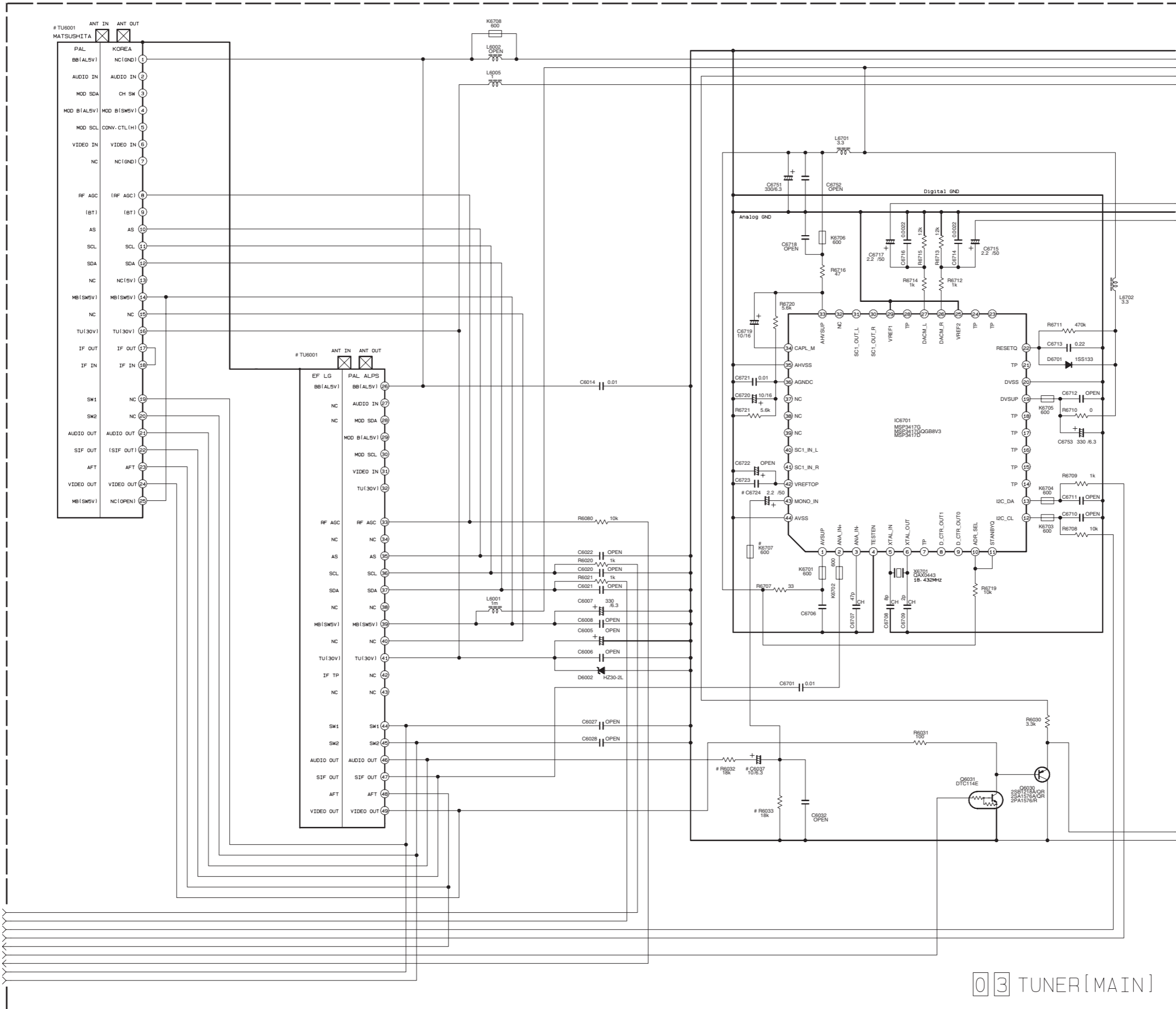
5

4

3

2

1



FROM TERMINAL
GND
RF5V
SW5V
SW12V
BT2
} TO SHEET 10

FROM/TO AUDIO
TU_AUDIO(L)
GND
TU_AUDIO(R)
} TO SHEET 8

DIFFERENCE TABLE

	EU/EK		EF
	M10	M20/30	M10-M20/30
TU6001	PAL LG GAU0323	PAL ALPS GAU0261	EF LG GAU0299
R6032-R6033- C6037, C6724- K6707	X	X	○

*Refer to the "EU/EK" in a table for DR-M10SAA, DR-M10SAG, DR-M10SAX

FROM/TO VIDEO
TU_VIDEO
GND
} TO SHEET 9

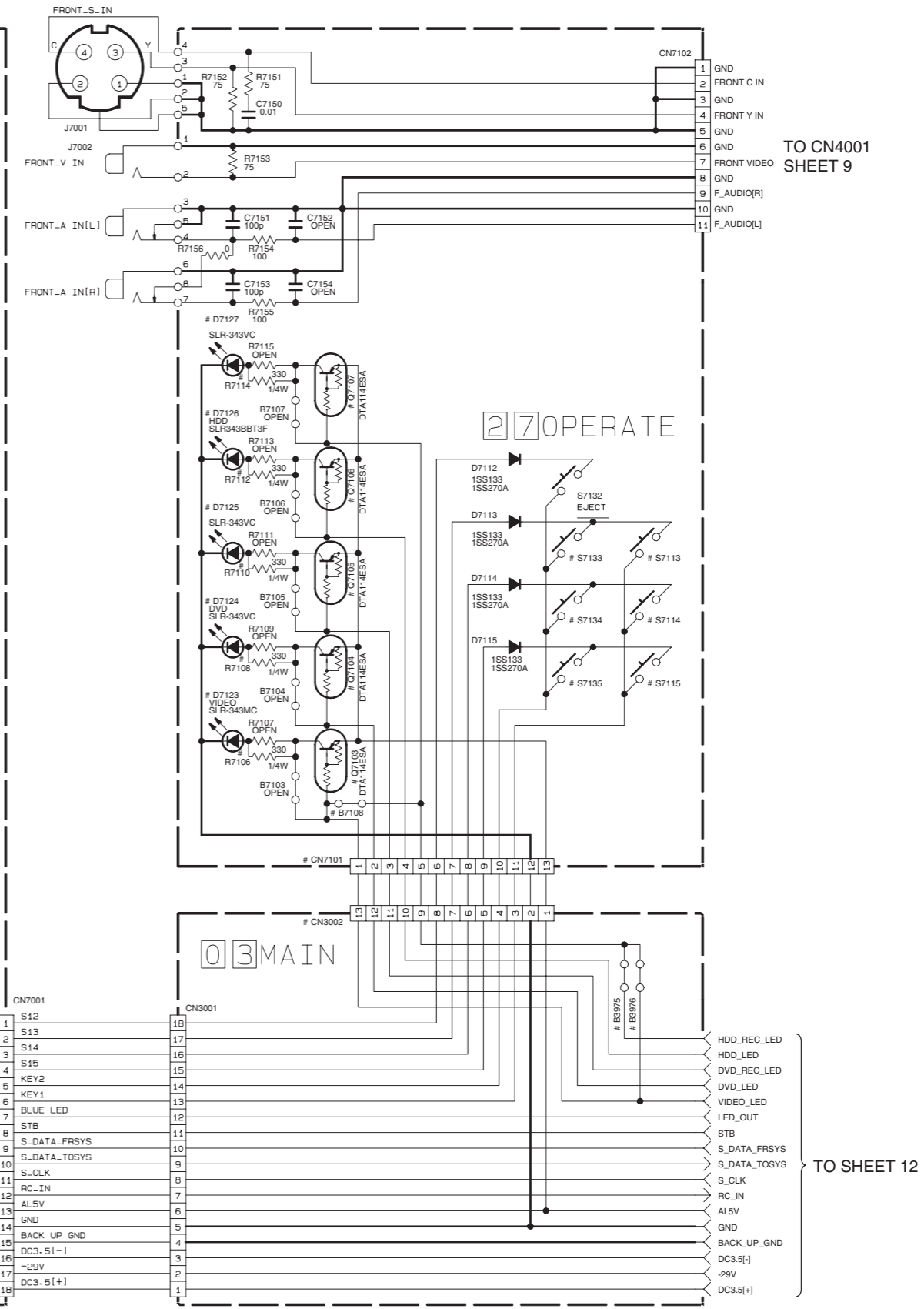
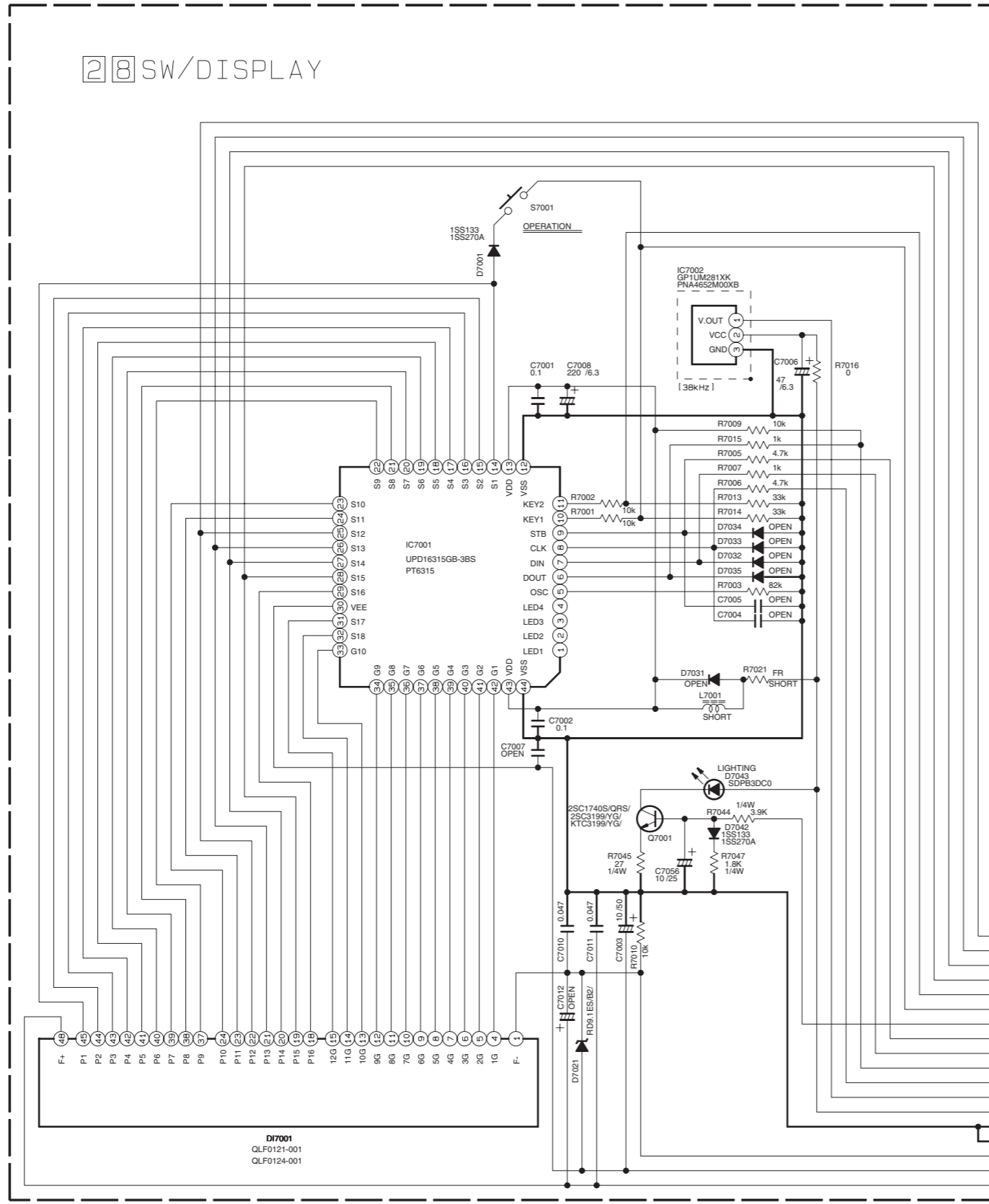
NOTES: UNLESS OTHERWISE SPECIFIED,
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN pF.
⊕ - ELECTROLYTIC
- - CERAMIC
- - MYLER
- - NON POLAR

FROM/TO SYSCON
TU_CLK
TU_DATA
I2C_CLK2
I2C_DATA2
AFC
TU_V_MUTE[M]
RF_AGC
SW_1
SW_2
} TO SHEET 12

03 TUNER [MAIN]

p10630001a_rev0
SHEET 13

FL Display and operation switch section



TO CN4001 SHEET 9

TO SHEET 12

DIFFERENCE TABLE

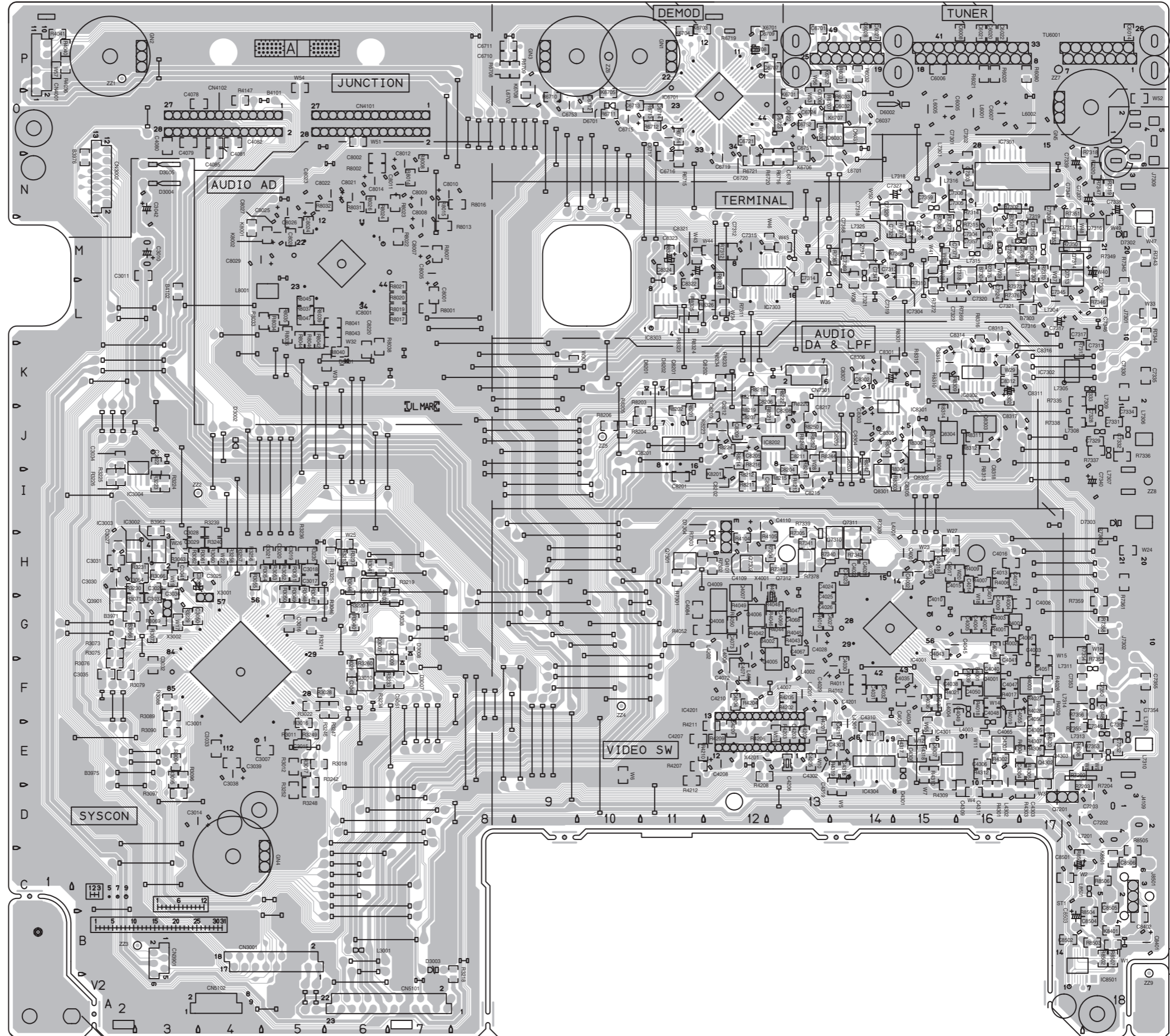
	S7113	S7114	S7115	S7133	S7134	S7135	D7123-R7106 D7103-B7108 B3976	D7124-D7127, R7108 R7110-R7112, R7114 D7104-D7107, B3975	CN7011	CN3002
M10	REC	REC MODE	PAUSE	X	STOP	PLAY	X	X	9PIN(5-13)	9PIN(1-9)
M420/M430	DVD	HDD	REC	STOP	PLAY	PAUSE	X	O	13PIN	13PIN

NOTES: UNLESS OTHERWISE SPECIFIED,
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN µF.
 + ELECTROLYTIC
 - CERAMIC
 - MYLAR
 - NON POLAR

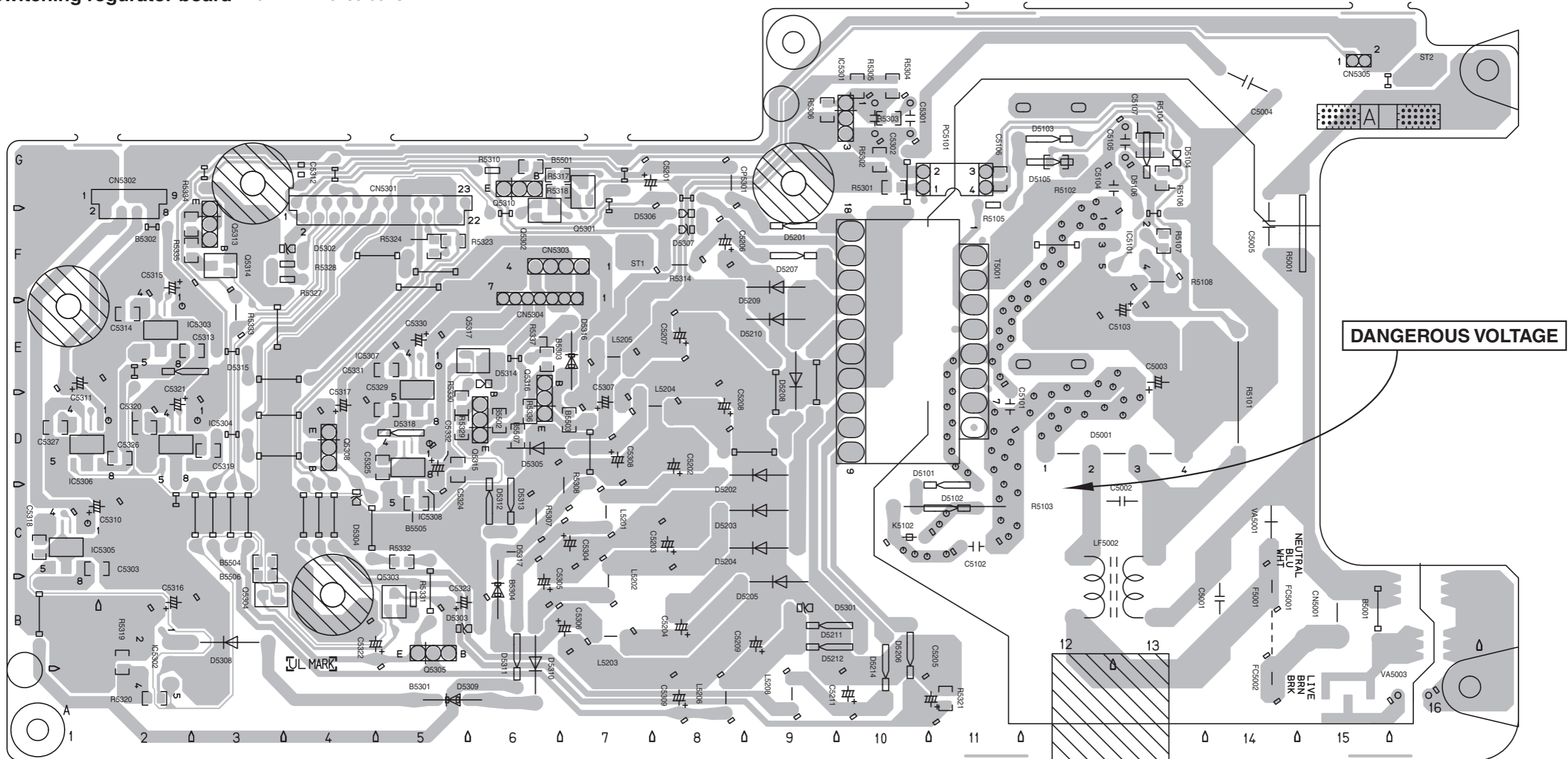
LAST No.	VACANT No.		
R 7047	7156	7004-7008, 7011-7012, 7017-7020, 7022-7043, 7046	7101-7105, 7116-7150
C 7056	7154	7009-7013-7095	7101-7149
D 7043	7127	7002-7020, 7022-7030, 7036-7041	7101-7111, 7116-7122
Q 7001	7107		7101-7102
L 7001			
IC 7002			
DI 7001			
S 7001	7136		7101-7112, 7116-7131
CN 7001	7102		

Printed circuit boards

■ Main board <03> LPB10239-001C

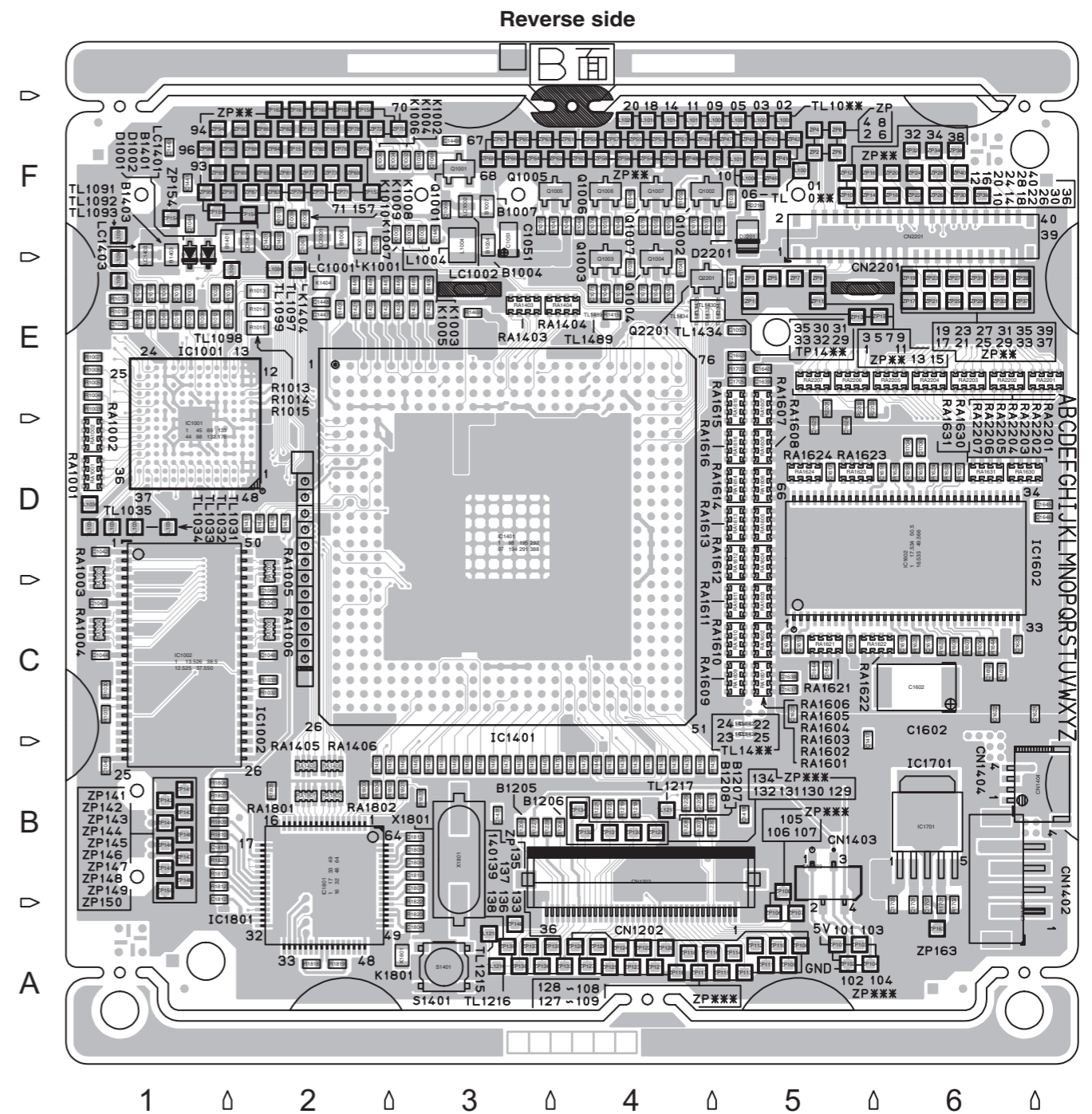
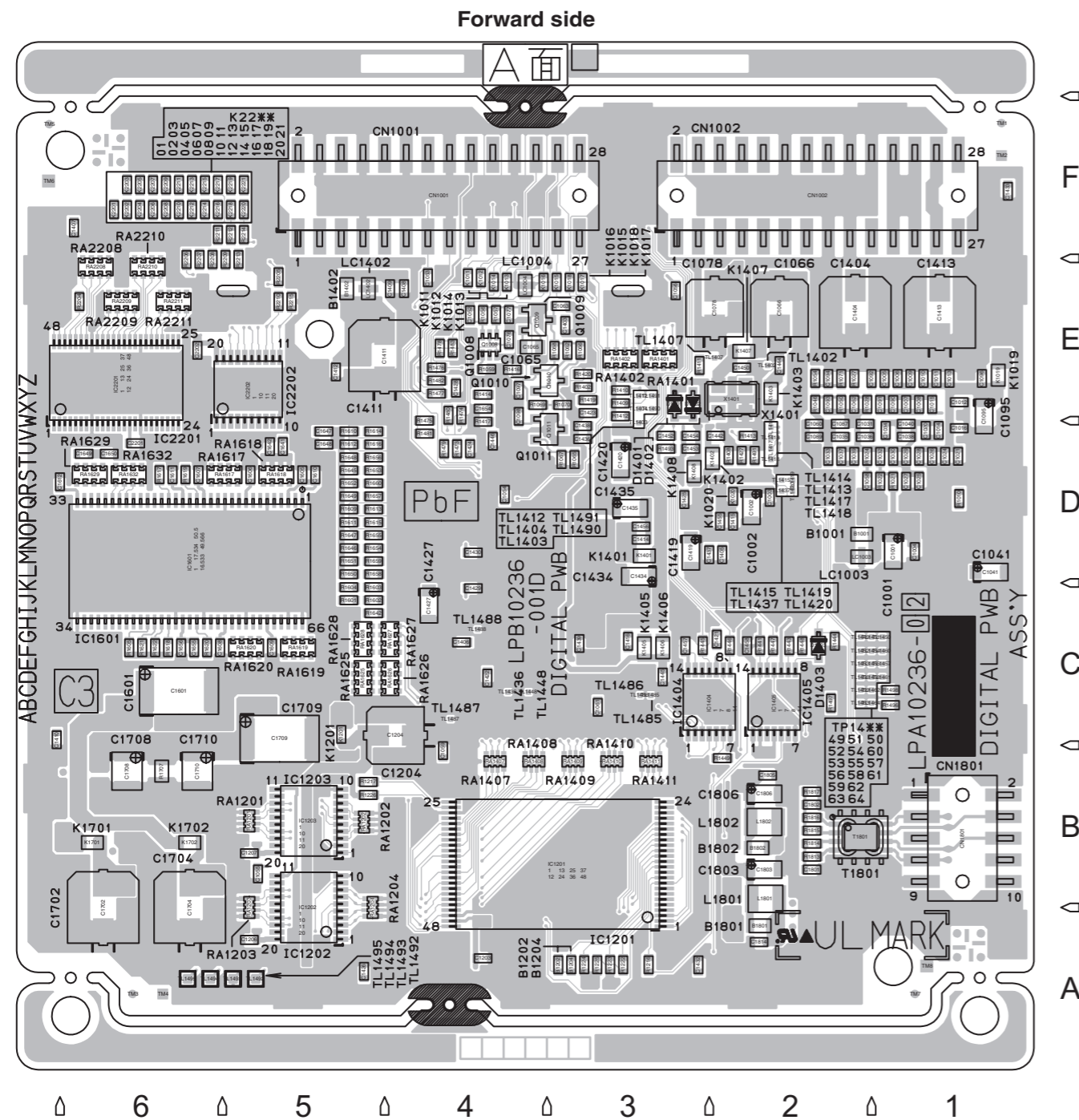


■ Switching regulator board <01> LPB10235-001C



COMPONENT PARTS LOCATION GUIDE <SWITCHING REGURATOR> LPB10235-001C

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR													
C5001	A D 14B	C5307	A D 7D	CN5302	A D 1F	D5304	A D 4C	L5202	A D 7B	R5106	B C 13G	R5336	B C 6D
C5002	A D 12C	C5308	A D 7D	CN5303	A D 7F	D5305	A D 7D	L5203	A D 7B	R5107	B C 13F	R5337	B C 6E
C5003	A D 13D	C5309	A D 8A	CN5304	A D 7E	D5306	A D 8F	L5204	A D 7D	R5108	A D 13F		
C5004	A D 14H	C5310	A D 1C	CN5305	A D 15H	D5307	A D 8F	L5205	A D 7E	R5301	B C 10G	OTHER	
C5005	A D 14H	C5311	A D 1D			D5308	A D 3B	L5206	A D 8A	R5302	B C 10G	CP5301	A D 8F
C5005	A D 14F	C5312	A D 4G			D5309	A D 6A	L5208	A D 9A	R5303	B C 10G	F5001	A D 14B
C5101	A D 11D	C5313	B C 3E	D5001	A D 12D	D5310	A D 6B	LF5002	A D 13C	R5304	B C 10H	FC5001	A D 14B
C5102	A D 11C	C5314	B C 2E	D5101	A D 11C	D5311	A D 6B			R5305	B C 10H	FC5002	A D 14A
C5103	A D 13E	C5315	A D 2E	D5102	A D 10C	D5312	A D 6C	TRANSISTOR		R5306	B C 9G	K5102	A D 10C
C5104	A D 13F	C5316	A D 2B	D5103	A D 11G	D5313	A D 6C	Q5301	B C 7G	R5307	A D 6C	PC0220	A D 15B
C5105	A D 13G	C5317	A D 4D	D5104	A D 13G	D5314	A D 6D	Q5302	B C 6F	R5308	A D 7C	PC0221	A D 15B
C5106	B C 11G	C5318	B C 1C	D5105	A D 11G	D5315	A D 3E	Q5303	B C 5B	R5310	A D 6G	PC5101	A D 10G
C5107	B C 13G	C5319	B C 3D	D5106	A D 13G	D5316	A D 7D	Q5304	B C 3B	R5314	A D 8F	SG5001	B C 15A
C5201	A D 7G	C5320	B C 2D	D5201	A D 9F	D5317	A D 6D	Q5305	A D 5A	R5317	B C 6G	T5001	A D 11F
C5202	A D 8C	C5321	A D 3D	D5202	A D 9C	D5318	A D 5D	Q5308	A D 4D	R5318	B C 6G	VA5001	A D 14C
C5203	A D 8C	C5322	A D 5A	D5203	A D 9C			Q5310	A D 6G	R5319	B C 2A	VA5003	A D 16A
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C5205	A D 11A	C5324	B C 5C	D5205	A D 9B	IC5101	A D 13F	Q5314	B C 3F	R5321	B C 11A		
C5206	A D 8F	C5325	B C 5D	D5206	A D 10B	IC5301	A D 10G	Q5315	A D 6D	R5323	B C 5F		
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C5208	A D 8D	C5327	B C 1D	D5208	A D 9E	IC5303	B C 2E	Q5317	B C 6E	R5327	A D 4F		
C5209	A D 9A	C5329	B C 5D	D5209	A D 9E	IC5304	B C 2D			R5328	A D 4F		
C5211	A D 10A	C5330	A D 5E	D5210	A D 9E	IC5305	B C 1C	RESISTOR		R5329	B C 5D		
C5301	A D 10G	C5331	B C 5E	D5211	A D 10B	IC5306	B C 1D	R5001	A D 15G	R5330	B C 5D		
C5302	A D 10G	C5332	A D 5D	D5212	A D 10B	IC5307	B C 5D	R5101	A D 14D	R5331	A D 5B		
C5303	B C 1B			D5214	A D 10B	IC5308	B C 5D	R5102	B C 12G	R5332	B C 5B		
C5304	A D 7C	CONNECTOR		D5301	A D 9B			R5103	A D 10C	R5333	A D 3E		
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C5306	A D 7B	CN5301	A D 4F	D5303	A D 6B	L5201	A D 7C	R5105	A D 11F	R5335	B C 3F		



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C1005	A C 1E	C1426	A C 5A	DIODE		R1216	A C 3A	R1618	A C 6C	RA1621	B C 5C	TL1417	A C 2D		
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C1007	A C 1E	C1428	A C 4E	D1002	B C 1F	R1218	B C 4B	R1620	A C 6C	RA1623	B C 5D	TL1419	A C 2D		
C1008	A C 1E	C1429	A C 4C	D1401	A C 3E	R1219	B C 4B	R1621	A C 6C	RA1624	B C 5D	TL1420	A C 2D		
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C1010	A C 1E	C1431	B C 3B	D1403	A C 2C	R1221	B C 4B	R1623	B C 6C	RA1626	A C 4C	TL1423	B C 5C		
C1011	A C 1E	C1432	A C 3A	D2201	B C 5F	R1222	A C 3A	R1624	B C 6D	RA1627	A C 4C	TL1424	B C 5C		
C1012	A C 1E	C1433	A C 1F			R1223	A C 3A	R1625	B C 6C	RA1628	A C 5C	TL1425	B C 5C		
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C1016	A C 1D	C1437	A C 3D	IC1201	A C 3B	R1227	B C 3B	R1642	A C 5C	RA1632	A C 6D	TL1432	B C 4E		
C1017	B C 1E	C1438	A C 3D	IC1202	A C 5B	R1228	B C 3B	R1644	A C 6C	RA1801	B C 2B	TL1433	B C 4E		
C1018	B C 1E	C1439	A C 3C	IC1203	A C 5B	R1229	B C 4B	R1645	A C 5D	RA1802	B C 2B	TL1434	B C 4E		
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C1021	A C 1D	C1442	A C 2D	IC1405	A C 2C	R1401	B C 2E	R1648	A C 5D	RA2203	B C 6E	TL1437	A C 2D		
C1022	B C 1E	C1443	B C 1F	IC1601	A C 6D	R1402	A C 3E	R1649	A C 5D	RA2204	B C 6E	TL1448	A C 4C		
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C1024	A C 1D	C1445	A C 3C	IC1701	B C 2B	R1410	A C 3E	R1652	A C 5D	RA2207	B C 5E	TL1451	A C 2C		
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C1034	A C 1D	C1456	A C 3D	LC1002	A C 2F	R1421	B C 2E	R1702	B C 6A	K1004	B C 3F	TL1461	A C 1C		
C1035	A C 2D	C1457	A C 3C	LC1003	A C 3D	R1422	B C 2E	R1703	B C 5E	K1005	B C 3F	TL1462	A C 2C		
C1036	A C 2D	C1458	A C 2C	LC1004	A C 4E	R1423	B C 2E	R1704	B C 6D	K1006	B C 2F	TL1463	A C 2C		
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C1038	A C 1D	C1601	A C 6C	LC1402	A C 5E	R1425	B C 3E	R1801	B C 3B	K1008	B C 2F	TL1485	A C 3C		
C1039	A C 2D	C1602	B C 6C	LC1403	B C 1F	R1426	B C 3E	R1802	B C 3B	K1009	B C 2F	TL1486	A C 3C		
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C1041	A C 1D	C1606	A C 5D	TRANSISTOR		R1428	B C 2D	R1804	B C 2B	K1011	A C 4E	TL1488	A C 4C		
C1042	B C 1D	C1607	A C 6D	Q1001	B C 3F	R1429	B C 2D	R1805	B C 2B	K1012	A C 4E	TL1489	B C 4E		
C1043	B C 1C	C1608	A C 6C	Q1002	B C 4F	R1430	B C 2D	R1806	B C 1B	K1013	A C 4E	TL1490	A C 3E		
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C1054	A C 4D	C1619	B C 6C			R1441	A C 2C	R1817	A C 2B	K1403	A C 2E	TM6	A C 7F		
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C1056	A C 3E	C1621	B C 7C	R1001	B C 1E	R1443	A C 2C	R1819	B C 2A	K1405	A C 3C	TM8	A C 1A		
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C1078	A C 2D	C1654	A C 4E	R1029	B C 2E	R1472	B C 4B	RA1001	B C 1D	K2216	A C 6F				
C1079	B C 2F	C1655	A C 6C	R1030	B C 1C	R1473									

JVC

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No.YD025SCH



Printed in Japan
WPC

PARTS LIST

[DR-M10SAA, DR-M10SAG, DR-M10SAX]

- * All printed circuit boards and its assemblies are not available as service parts.
- * (x_) in a description column shows the number of the used part.

Area Suffix

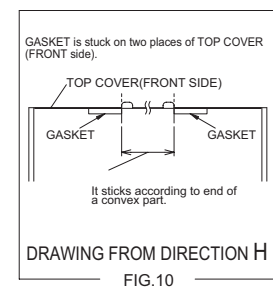
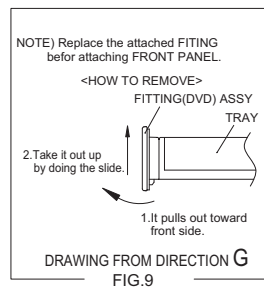
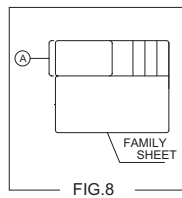
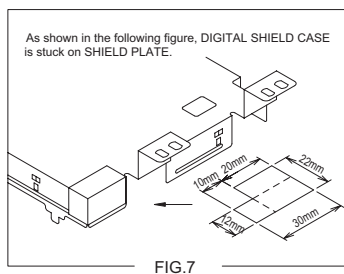
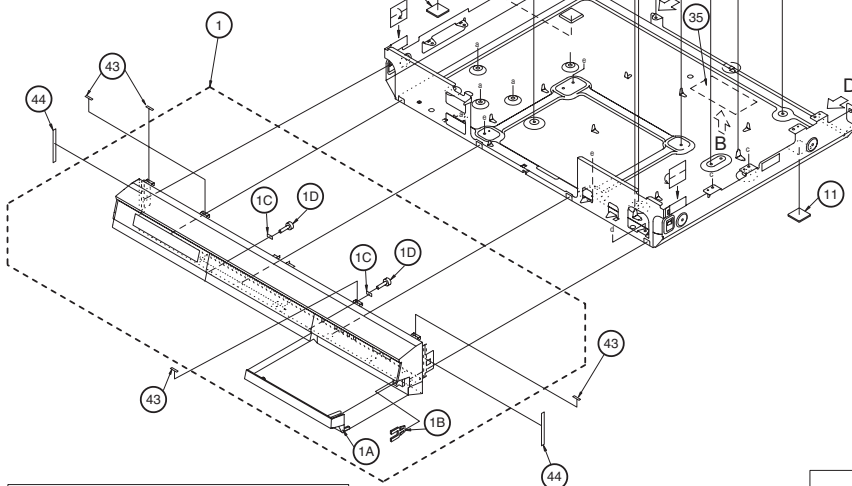
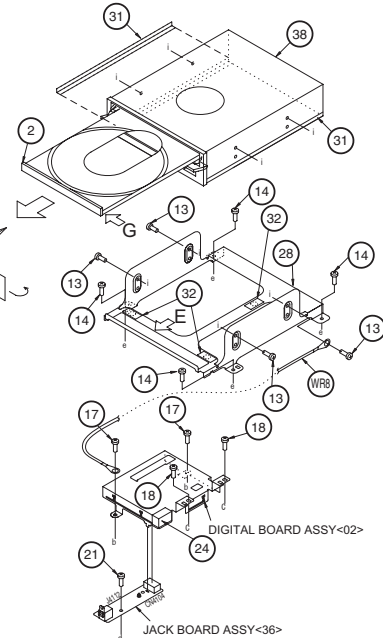
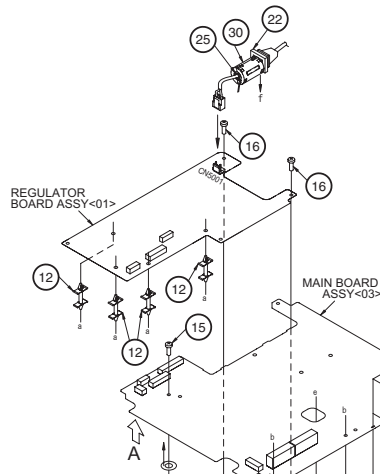
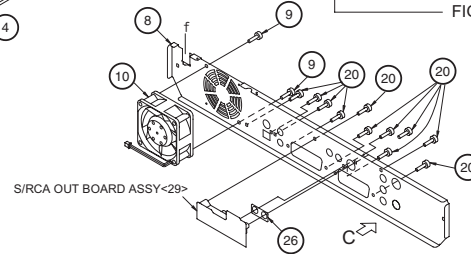
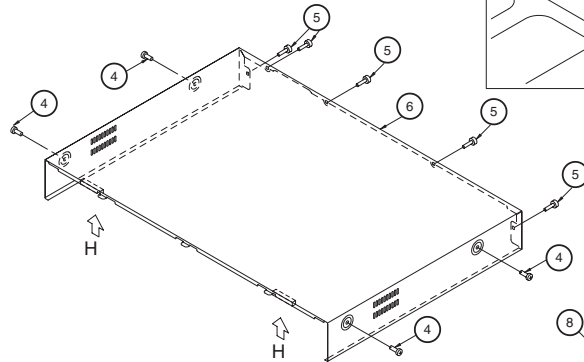
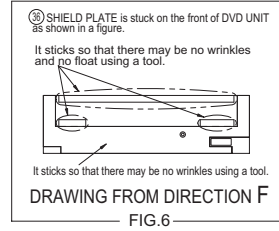
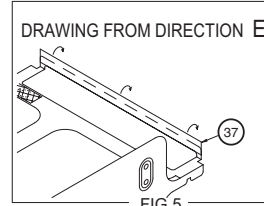
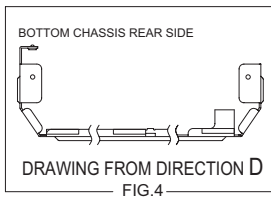
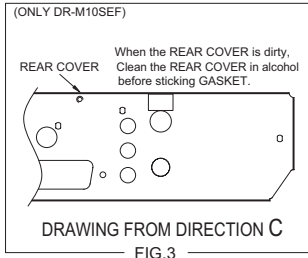
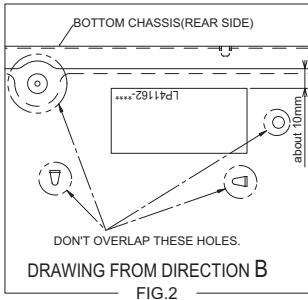
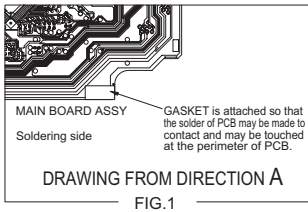
AA	-----	Australia
AG	-----	Universal Asia
AX	-----	Middle East

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Exploded view of general assembly and parts list

Block No.M1MM



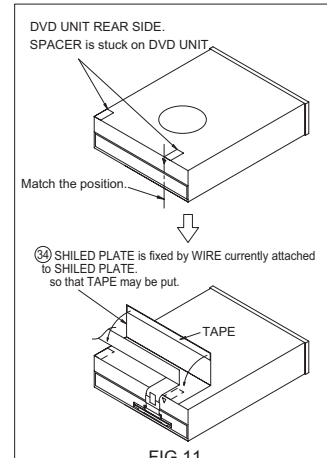
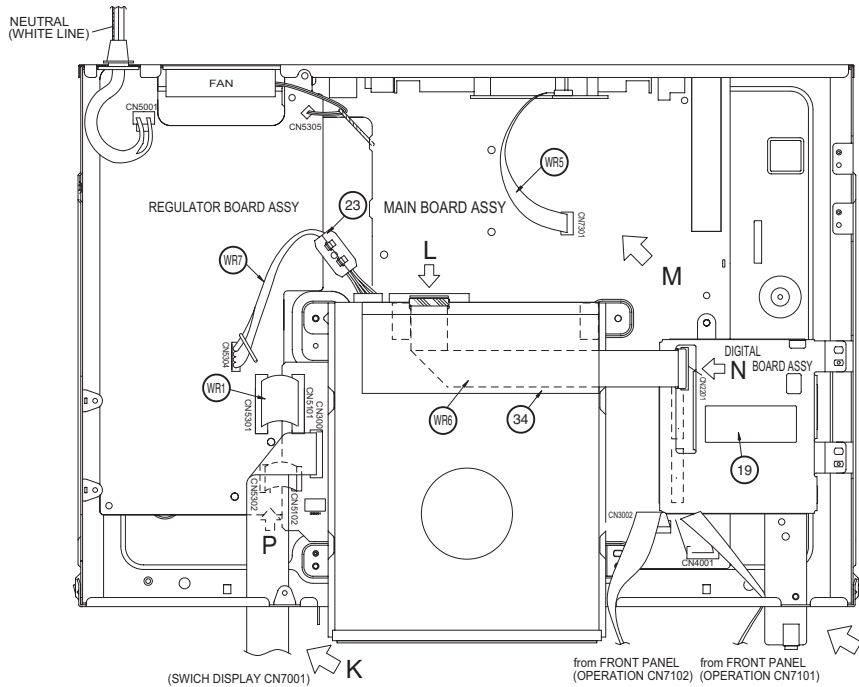


FIG. 11

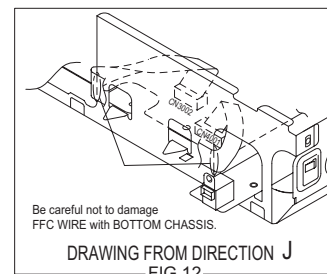


FIG. 12

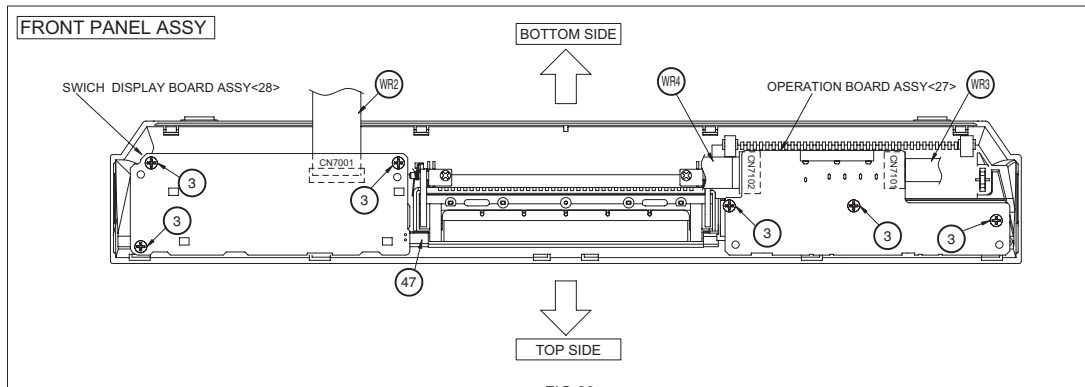


FIG. 20

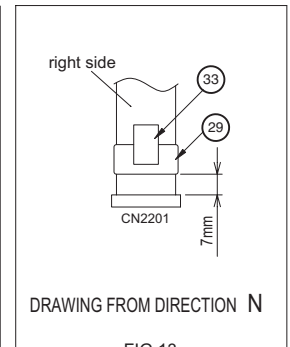
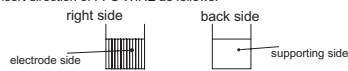
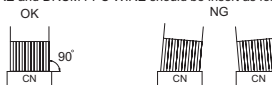


FIG. 13

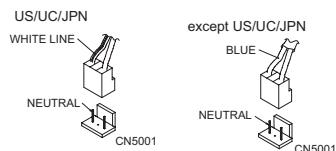
1. Insert direction of FFC WIRE as follows.



2.FFC WIRE and DRUM FPC WIRE should be insert as follows.



3.Insert direction of POWER CORD.



4.Insert the wire to even the root of connector completely at the same time as inserting each wire.

31 Two CU TAPE is stuck on DVD UNIT as shown in the following figure. The bottom and the side of DVD UNIT are connected.

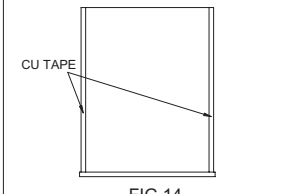


FIG. 14

② FITTING(DVD) ASSY

By rubbing against the edge of a hard thing, a burrs is made flat.

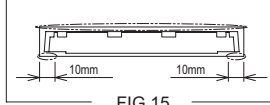
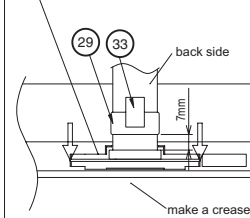


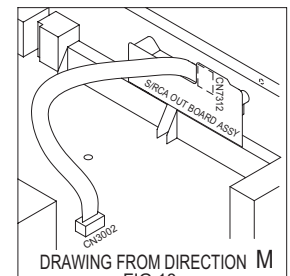
FIG. 15

39 NOTE) Push both ends of connector when it is inserted to the DRIVE UNIT.



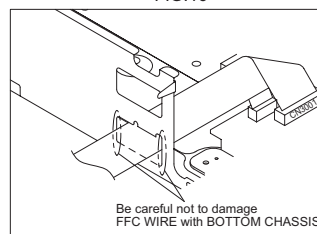
DRAWING FROM DIRECTION L

FIG. 16



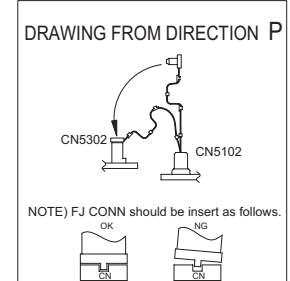
DRAWING FROM DIRECTION M

FIG. 18



DRAWING FROM DIRECTION K

FIG. 17



DRAWING FROM DIRECTION P

FIG. 19

General assembly

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

Symbol No.	Part No.	Part Name	Description	Local
△ 1	LP10533-016A	FRONT PANEL ASSY		
1A	LP21252-001A	DOOR		
1B	PU60109	CATCHER		
1C	LP31382-001A	STOPPER	(x2)	
1D	QYTDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
2	LP31372-002A	FITTING(DVD) AY		
3	QYTDSF2608ZA	TAP SCREW	M2.6 x 8mm FRONT BOARD(x6)	
4	QYSBSG3006NA	TAP SCREW	M3 x 6mm TOP SIDE(x4)	
5	QYSBSG3006NA	TAP SCREW	M3 x 6mm TOP REAR(x5)	
△ 6	LP21256-006A	METAL COVER		
△ 7	LP10538-004A	BOTTOM CHASSIS		
△ 8	LP21257-010A	REAR PANEL		M10SAA
△ 8	LP21257-018A	REAR PANEL		M10SAG,M10SAX
9	QYTDSF3008MA	TAP SCREW	M3 x 8mm FAN(x2)	
10	QAR0326-001	FAN MOTOR		
11	LP31348-002A	FOOT	(x2)	
12	PEME0946-08	SPACER	(x4)	
13	QYTDST3006ZA	TAP SCREW	M3 x 6mm DVD UNIT(x4)	
14	LP31391-001A	SPECIAL SCREW	BRACKET(DVD)(x4)	
15	LP31391-001A	SPECIAL SCREW	MAIN(x2)	
16	LP31391-001A	SPECIAL SCREW	REGULATOR(x2)	
17	QYSPSGG3006ZA	TAP SCREW	M3 x 6mm DIGITAL(x2)	
18	QYSPSGG3006ZA	TAP SCREW	M3 x 6mm DIGITAL(x2)	
19	LP31023-001A	BARCODE LABEL		
20	QYSBSGY3008MA	TAP SCREW	M3 x 8mm REAR JACK(x11)	M10SAA
20	QYSBSGY3008MA	TAP SCREW	M3 x 8mm REAR JACK(x10)	M10SAG,M10SAX
21	LP31391-001A	SPECIAL SCREW	JACK BOARD	
△ 22	QMPG130-170-JC	POWER CORD	1.7m BLACK	M10SAA
△ 22	QMP4A10-170-K	POWER CORD	1.7m BLACK	M10SAG,M10SAX
23	QQR0917-002	CORE FILTER		
24	LP41163-001A	SHIELD PLATE		
25	PU43192-4	BINDER		
26	LP41165-002A	GASKET		
28	LP21156-003A	BKT(DVD DRIVE)		
29	QQR1439-003	FERRITE CORE	(x2)	
30	QQR0491-001	FERRITE CORE		
31	LP41168-001A	CU TAPE	(x2)	
32	LP30002-0F9A	SPACER	(x3)	
33	LP30002-0F6A	SPACER	(x2)	
34	LP31418-001A	SHIELD PLATE		
35	LP41162-001A	LABEL		M10SAA
36	LP31417-001A	SHIELD PLATE		
37	LP30002-0G4A	SPACER		
△ 38	QAL0551-002	DRIVE UNIT		
39	QGZ0018A1-40	CONNECTOR	(1-40)	
43	LP30002-0G2A	SPACER	(x4)	
44	LP30002-0G3A	SPACER	(x2)	
47	LP41170-001A	SPACER(BLIND)		
WR1	QUQ112-1907CJ	FFC WIRE	REGULATOR CN5301-MAIN CN5101	
WR2	QUQ112-1818CJ	FFC WIRE	SWICH DISPLAY CN7001-MAIN CN3001	
WR3	QUQ112-0912CG	FFC WIRE	OPERATION CN7101-MAIN CN3002	
WR4	QUQ112-1112CG	FFC WIRE	OPERATION CN7102-MAIN CN4001	
WR5	QUQ112-0714CG	FFC WIRE	S/RCA OUT CN7312-MAIN CN7301	
WR6	QUQ605-4022AH	FFC WIRE	DIGITAL CN2201-DVD UNIT	
WR7	QJJ032-041214	SIN CR C-C WIRE	REGULATOR CN5304-DVD UNIT	
WR8	QUB130-12MDM	SIN TWIST WIRE	DIGITAL-BRACKET	

Electrical parts list

Switching regulator board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
	PW1	LPA10235-03D	REGULATOR BOARD ASSY	M10SAA		D5203	RK34-LFB2	SB DIODE	
	PW1	LPA10235-04A	REGULATOR BOARD ASSY	M10SAG,M10SAX		D5204	RK34-LFB2	SB DIODE	
	IC5101	STR-G6653-F9	IC			D5205	RL2Z-LFB2	FRD	
	IC5301	UTCTL431-T	IC			D5206	1F4G-T2	FR DIODE	
	IC5301	or MM1431AT-T	IC			D5206	or 10ERB40-T2	FR DIODE	
	IC5301	or L5431-T	IC			D5206	or ERA18-02-T2	FR DIODE	
	IC5301	or TL431/A/-T	IC			D5206	or AU01Z-T2	FR DIODE	
	IC5302	PQ5EV3	IC			D5206	or 1SR153-400-T2	FR DIODE	
	IC5304	MM1565AF-X	IC			D5207	1F4G-T2	FR DIODE	
	IC5305	MM1662GH-X	IC			D5207	or 10ERB40-T2	FR DIODE	
	IC5306	MM1563EF-X	IC			D5207	or ERA18-02-T2	FR DIODE	
	Q5301	DTA114EKA-X	DIGI TRANSISTOR			D5207	or AU01Z-T2	FR DIODE	
	Q5301	or UN2111-X	TRANSISTOR			D5207	or 1SR153-400-T2	FR DIODE	
	Q5301	or RT1P141C-X	DIGI TRANSISTOR			D5208	RK34-LFB2	SB DIODE	
	Q5302	DTC114EKA-X	TRANSISTOR			D5209	RK34-LFB2	SB DIODE	
	Q5302	or UN2211-X	TRANSISTOR			D5210	RK34-LFB2	SB DIODE	
	Q5302	or RT1N141C-X	DIGI TRANSISTOR			D5211	1F4G-T2	FR DIODE	
	Q5303	DTA114EKA-X	DIGI TRANSISTOR			D5211	or 10ERB40-T2	FR DIODE	
	Q5303	or UN2111-X	TRANSISTOR			D5211	or ERA18-02-T2	FR DIODE	
	Q5303	or RT1P141C-X	DIGI TRANSISTOR			D5211	or AU01Z-T2	FR DIODE	
	Q5304	DTC114EKA-X	TRANSISTOR			D5211	or 1SR153-400-T2	FR DIODE	
	Q5304	or UN2211-X	TRANSISTOR			D5301	MTZJ15A-T2	Z DIODE	
	Q5304	or RT1N141C-X	DIGI TRANSISTOR			D5301	or RD15ES/B1/-T2	Z DIODE	
	Q5305	2SD2144S/UV/-T	TRANSISTOR			D5302	MTZJ12B-T2	Z DIODE	
	Q5305	or 2SC3576-JVC-T	TRANSISTOR			D5302	or RD12ES/B2/-T2	Z DIODE	
	Q5308	2SD1858/QR/-T	TRANSISTOR			D5303	MTZJ12A-T2	Z DIODE	
	Q5310	2SD2144S/UV/-T	TRANSISTOR			D5303	or RD12ES/B1/-T2	Z DIODE	
	Q5310	or 2SC3576-JVC-T	TRANSISTOR			D5304	MTZJ5.6C-T2	Z DIODE	
	Q5313	2SA1585S/QR/-T	TRANSISTOR			D5304	or RD5.6ES/B3/-T2	Z DIODE	
	Q5314	DTC114EKA-X	TRANSISTOR			D5305	RL2Z-LFB2	FRD	
	Q5314	or UN2211-X	TRANSISTOR			D5306	1SS133-T2	DIODE	
	Q5314	or RT1N141C-X	DIGI TRANSISTOR			D5306	or 1SS270A-T2	SI DIODE	
	Q5315	2SA1585S/QR/-T	TRANSISTOR			D5307	MTZJ27C-T2	Z DIODE	
	Q5316	2SA1585S/QR/-T	TRANSISTOR			D5307	or RD27ES/B3/-T2	Z DIODE	
	Q5317	DTC114EKA-X	TRANSISTOR			D5308	RK34-LFB2	SB DIODE	
	Q5317	or UN2211-X	TRANSISTOR			D5309	RK34-LFB2	SB DIODE	
	Q5317	or RT1N141C-X	DIGI TRANSISTOR			D5310	RK34-LFB2	SB DIODE	
△	D5001	D3SBA60	DIODE			D5310	1S4-T2	SB DIODE	
△	D5001	or GBJ4J	BRIDGE DIODE			D5311	or AW04-T2	SB DIODE	
	D5101	10ERB40-T2	FR DIODE			D5311	or SBO40-T2	SB DIODE	
	D5101	or AU01-T2	SI DIODE			D5311	or 11EQS04-T2	SB DIODE	
	D5101	or ERA18-04-T2	FR DIODE			D5314	1SS133-T2	DIODE	
	D5101	or 1SR153-400-T2	FR DIODE			D5314	or 1SS270A-T2	SI DIODE	
	D5101	or 1F4G-T2	FR DIODE			D5315	1A3G-T2	SI DIODE	
	D5102	10ERB40-T2	FR DIODE			D5315	or 10EDB20-T2	SI DIODE	
	D5102	or AU01-T2	SI DIODE			D5315	or ERA15-02-T2	SI DIODE	
	D5102	or ERA18-04-T2	FR DIODE			D5318	1A3G-T2	SI DIODE	
	D5102	or 1SR153-400-T2	FR DIODE			D5318	or 10EDB20-T2	SI DIODE	
	D5102	or 1F4G-T2	FR DIODE			D5318	or ERA15-02-T2	SI DIODE	
	D5103	1F4G-T2	FR DIODE			△	PC5101	PC123Y22FZ	PHOTO COUPLER
	D5103	or 10ERB40-T2	FR DIODE			△	C5001	QFZ9073-683	MM CAPACITOR 0.068uF AC250V M
	D5103	or ERA18-02-T2	FR DIODE			△	C5002	QFZ9073-223	MM CAPACITOR 0.022uF AC250V M
	D5103	or AU01Z-T2	FR DIODE				C5003	QEZO374-826	E CAPACITOR 82uF 400V M M10SAA
	D5103	or 1SR153-400-T2	FR DIODE				C5003	QEZO374-107	E CAPACITOR 100uF 400V M M10SAG,M10SAX
	D5103	or 1F4G-T2	FR DIODE			△	C5004	QCZ9079-222	C CAPACITOR 2200pF AC250V M
	D5104	10ERB40-T2	FR DIODE				C5101	QCZ0339-101Z	C CAPACITOR 100pF 1kV K
	D5104	or AU01-T2	SI DIODE				C5102	QCZ0349-472Z	C CAPACITOR 4700pF 1kV K
	D5104	or ERA18-04-T2	FR DIODE				C5103	QEMU1VM-276Z	E CAPACITOR 27uF 35V M
	D5104	or 1SR153-400-T2	FR DIODE				C5104	QCZ0136-471Z	C CAPACITOR 470pF 1kV K
	D5104	or 1SS133-T2	DIODE				C5105	QFLC1HJ-471Z	M CAPACITOR 470pF 50V J
	D5104	or 1SS270A-T2	SI DIODE				C5106	NCB31HK-103X	C CAPACITOR 0.01uF 50V K
	D5105	10ERB40-T2	FR DIODE				C5107	NCB31HK-221X	C CAPACITOR 220pF 50V K
	D5105	or ERA18-02-T2	FR DIODE				C5201	QEMX0JM-227Z	E CAPACITOR 220uF 6.3V M
	D5105	or AU01Z-T2	FR DIODE				C5202	QEMT0JM-128	E CAPACITOR 1200uF 6.3V M
	D5105	or 1SR153-400-T2	FR DIODE				C5203	QEMT1AM-228	E CAPACITOR 2200uF 10V M
	D5105	or 1F4G-T2	FR DIODE				C5204	QEMT1CM-228	E CAPACITOR 2200uF 16V M
	D5106	10ERB40-T2	FR DIODE				C5205	QETN2AM-475Z	E CAPACITOR 4.7uF 100V M
	D5106	or ERA18-02-T2	FR DIODE				C5206	QEMU1HM-186Z	E CAPACITOR 18uF 50V M
	D5106	or AU01Z-T2	FR DIODE				C5207	QEMT1AM-228	E CAPACITOR 2200uF 10V M
	D5106	or 1SR153-400-T2	FR DIODE				C5208	QEMT1AM-228	E CAPACITOR 2200uF 10V M
	D5106	or 1F4G-T2	FR DIODE				C5209	QEMT1CM-687	E CAPACITOR 680uF 16V M
	D5201	10ERB40-T2	FR DIODE				C5301	QVVF1HJ-154Z	MF CAPACITOR 0.15uF 50V J
	D5201	or ERA18-02-T2	FR DIODE						
	D5202	RK34-LFB2	SB DIODE						

Symbol No.	Part No.	Part Name	Description	Local
C5302	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C5303	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5304	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5305	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5306	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5307	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5308	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5309	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5310	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5311	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5312	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C5316	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5317	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C5318	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5319	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5320	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C5321	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C5322	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C5323	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C5326	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C5327	NCB31HK-471X	C CAPACITOR	470pF 50V K	
R5101	QRG02GJ-683	OMF RESISTOR	68kΩ2W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ1/16W J	
R5103	QRG02GJ-683	OMF RESISTOR	68kΩ2W J	
R5104	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R5105	QRE141J-680Y	C RESISTOR	68Ω1/4W J	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ1/16W J	
R5107	NRSA63J-681X	MG RESISTOR	680Ω1/16W J	
R5108	QRT01DJ-R33X	MF RESISTOR	0.33Ω1W J	
R5301	NRSA63J-221X	MG RESISTOR	220Ω1/16W J	
R5302	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R5303	NRSA63J-152X	MG RESISTOR	1.5kΩ1/16W J	
R5304	NRSA63D-682X	MG RESISTOR	6.8kΩ1/16W D	
R5305	NRSA63D-203X	MG RESISTOR	20kΩ1/16W D	
R5306	NRSA63D-392X	MG RESISTOR	3.9kΩ1/16W D	
R5310	QRE141J-8R2Y	C RESISTOR	8.2Ω1/4W J	
△ R5314	QRZ9051-470X	FUSI RESISTOR	47Ω1/4W J	
R5317	NRSA63J-222X	MG RESISTOR	2.2kΩ1/16W J	
R5318	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R5319	NRSA63D-302X	MG RESISTOR	3kΩ1/16W D	
R5320	NRSA63D-472X	MG RESISTOR	4.7kΩ1/16W D	
R5321	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R5323	NRSA63J-122X	MG RESISTOR	1.2kΩ1/16W J	
R5324	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R5327	QRE141J-681Y	C RESISTOR	680Ω1/4W J	
R5328	QRE141J-821Y	C RESISTOR	820Ω1/4W J	
R5329	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R5330	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R5331	QRE141J-103Y	C RESISTOR	10kΩ1/4W J	
R5332	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R5333	QRE123J-101X	C RESISTOR	100Ω1/2W J	
R5334	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R5335	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R5336	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R5337	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
L5201	PELN1184	CHOKE COIL		
L5202	PELN1184	CHOKE COIL		
L5203	PELN1184	CHOKE COIL		
L5204	PELN1184	CHOKE COIL		
L5205	PELN1184	CHOKE COIL		
L5206	PELN1184	CHOKE COIL		
△ T5001	QQS0263-001	SW TRANSF		
B5504	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B5507	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
△ CN5001	QGA7901C3-02	CONNECTOR	W-B (1-2)	
CN5301	QGF1207C1-19	CONNECTOR	FFC/FPC (1-19)	
CN5302	QGB1231L1-09	CONNECTOR	B-B (1-9)	
CN5303	QGA2501C1-04	CONNECTOR	W-B (1-4)	
CN5305	QGA2001C1-02	CONNECTOR	W-B (1-2)	
△ CP5301	QMFZ050-1R5X-E	FUSE	1.5A 125V	
△ F5001	QMF51E2-1R6-J1	FUSE	1.6A AC250V	
FC5001	QNG0020-001Z	FUSE CLIP		
FC5002	QNG0020-001Z	FUSE CLIP		
HS1	PEME0889-01-01	HEAT SINK	IC5101	
K5102	QQR0678-001Z	FERRITE BEADS		

Symbol No.	Part No.	Part Name	Description	Local
△ LF5002	QQR1031-001	LINE FILTER		M10SAA
△ LF5002	QQR0908-001	LINE FILTER		M10SAG,M10SAX
OT1	QYTDST3008Z	TAP SCREW	M3 x 8mm IC5101	
OT2	LP31414-001A	PROTECT SHEET		
ST1	PU59391	STYLE PIN		

Digital board

Block No. [0][2]

Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10236-07A	DIGITAL BOARD ASSY		M10SAA
PW1	LPA10236-10A	DIGITAL BOARD ASSY		M10SAG
PW1	LPA10236-12A	DIGITAL BOARD ASSY		M10SAX
IC1001	JCP8059	IC		
IC1002	HY57V161610ET-8	IC		
IC1002	or K4S161622H-TC80	IC		
IC1002	or MT48LC1M16A1TG8	IC		
IC1002	or HY57V161610ETP7	IC		
IC1002	or MT48LC1M16TG-7S	IC		
IC1201	LPN0892-001A	IC(FLASH)	(SERVICE)	M10SAA
IC1201	LPN0908-001A	IC(FLASH)	(SERVICE)	M10SAG
IC1201	LPN0909-001A	IC(FLASH)	(SERVICE)	M10SAX
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8652-B0	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1405	SN74LV08APW-X	IC		
IC1601	HY5DU561622CT-J	IC		
IC1602	HY5DU561622CT-J	IC		
IC1701	PQ015Y201Z-X	IC		
IC1801	TSB41AB2PAP	IC		
Q1002	2SA1037AK/QR/-X	TRANSISTOR		
Q1002	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q1002	or 2SB709A/QR/-X	TRANSISTOR		
Q1003	2SA1037AK/QR/-X	TRANSISTOR		
Q1003	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q1003	or 2SB709A/QR/-X	TRANSISTOR		
Q1004	2SA1037AK/QR/-X	TRANSISTOR		
Q1004	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q1004	or 2SB709A/QR/-X	TRANSISTOR		
Q1005	2SA1037AK/QR/-X	TRANSISTOR		
Q1005	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q1005	or 2SB709A/QR/-X	TRANSISTOR		
Q1006	2SA1037AK/QR/-X	TRANSISTOR		
Q1006	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q1006	or 2SB709A/QR/-X	TRANSISTOR		
Q1007	2SA1037AK/QR/-X	TRANSISTOR		
Q1007	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q1007	or 2SB709A/QR/-X	TRANSISTOR		
Q1008	UMZ1N-W	PAIR TRANSISTOR		
Q1008	or BC847PN-X	PAIR TRANSISTOR		
Q1008	or BC846PN-X	PAIR TRANSISTOR		
Q1009	2SC2412K/QRS/-X	TRANSISTOR		
Q1009	or 2SC3928A/QRS/-X	TRANSISTOR		
Q1009	or 2SD601A/QRS/-X	TRANSISTOR		
Q1010	2SC2412K/QRS/-X	TRANSISTOR		
Q1010	or 2SC3928A/QRS/-X	TRANSISTOR		
Q1010	or 2SD601A/QRS/-X	TRANSISTOR		
Q1011	2SC2412K/QRS/-X	TRANSISTOR		
Q1011	or 2SC3928A/QRS/-X	TRANSISTOR		
Q1011	or 2SD601A/QRS/-X	TRANSISTOR		
D1001	1SS355-X	SI DIODE		
D1001	or MA111-X	SI DIODE		
D1002	1SS355-X	SI DIODE		
D1002	or MA111-X	SI DIODE		
D1401	1SS355-X	SI DIODE		
D1401	or MA111-X	SI DIODE		
D1402	1SS355-X	SI DIODE		
D1402	or MA111-X	SI DIODE		
D1403	1SS355-X	SI DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C1803	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R1223	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1224	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C1805	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1225	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
C1806	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R1226	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1227	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
C1808	NDC31HJ-120X	C CAPACITOR	12pF 50V J		R1228	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
C1809	NDC31HJ-120X	C CAPACITOR	12pF 50V J		R1229	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C1811	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1230	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1231	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
C2201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1401	NRSA63F-1181X	MG RESISTOR	1.18kΩ1/16W F	
C2202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R1402	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1001	NRSA63D-221X	MG RESISTOR	220Ω1/16W D		R1408	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1002	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1409	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1410	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1004	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1411	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1005	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R1412	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1006	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1413	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1007	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R1414	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1009	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R1415	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1012	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1416	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1013	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		R1417	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1014	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		R1419	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1015	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		R1420	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1017	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1427	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1018	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1428	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1019	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1429	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1021	NRSA63D-332X	MG RESISTOR	3.3kΩ1/16W D		R1430	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1022	NRSA63D-152X	MG RESISTOR	1.5kΩ1/16W D		R1431	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1024	NRSA63D-272X	MG RESISTOR	2.7kΩ1/16W D		R1434	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1027	NRSA63J-272X	MG RESISTOR	2.7kΩ1/16W J		R1435	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1028	NRSA63J-272X	MG RESISTOR	2.7kΩ1/16W J		R1436	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1029	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1437	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1030	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R1438	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1031	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R1439	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1032	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R1440	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1033	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		R1441	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1035	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1443	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R1036	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R1444	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R1037	NRSA63D-101X	MG RESISTOR	100Ω1/16W D		R1445	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1038	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1446	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1039	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R1447	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1040	NRSA63D-101X	MG RESISTOR	100Ω1/16W D		R1448	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1041	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1449	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1042	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R1450	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1043	NRSA63D-151X	MG RESISTOR	150Ω1/16W D		R1451	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1044	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1452	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1045	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R1453	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1046	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J		R1458	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1047	NRSA63D-201X	MG RESISTOR	200Ω1/16W D		R1459	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1048	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1460	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1049	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R1461	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1050	NRSA63J-152X	MG RESISTOR	1.5kΩ1/16W J		R1462	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1051	NRSA63D-271X	MG RESISTOR	270Ω1/16W D		R1465	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1052	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1466	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1053	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R1467	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1054	NRSA63D-332X	MG RESISTOR	3.3kΩ1/16W D		R1468	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1055	NRSA63D-181X	MG RESISTOR	180Ω1/16W D		R1469	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1056	NRSA63J-222X	MG RESISTOR	2.2kΩ1/16W J		R1470	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1057	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		R1471	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1059	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		R1472	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1060	NRSA63J-223X	MG RESISTOR	22kΩ1/16W J		R1473	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1061	NRSA63J-223X	MG RESISTOR	22kΩ1/16W J		R1474	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1065	NRSA63J-121X	MG RESISTOR	120Ω1/16W J		R1475	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1066	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1476	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1067	NRSA63J-121X	MG RESISTOR	120Ω1/16W J		R1477	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1068	NRSA63D-222X	MG RESISTOR	2.2kΩ1/16W D		R1478	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1069	NRSA63D-222X	MG RESISTOR	2.2kΩ1/16W D		R1479	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R1070	NRSA63D-122X	MG RESISTOR	1.2kΩ1/16W D		R1480	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1071	NRSA63D-152X	MG RESISTOR	1.5kΩ1/16W D		R1481	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1072	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1482	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1216	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1491	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R1217	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1493	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R1218	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1496	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1219	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1497	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1220	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1498	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R1221	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R1601	NRSA63J-100X	MG RESISTOR	10Ω1/16W J	
R1222	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R1602	NRSA63J-100X	MG RESISTOR	10Ω1/16W J	
					R1603	NRSA63J-100X	MG RESISTOR	10Ω1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R1604	NRSA63J-100X	MG RESISTOR	10Ω1/16W J		RA1006	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1605	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		RA1201	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1606	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		RA1202	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1607	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		RA1203	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1608	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		RA1204	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1613	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1401	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1614	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1402	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1615	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1403	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1616	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1404	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1617	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1405	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1618	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1406	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1619	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1407	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1620	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1408	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1621	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1409	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1622	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1410	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1623	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1411	NRZ0034-101W	NET RESISTOR	100Ω1/32W J	
R1624	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1601	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1625	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1602	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1626	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1603	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1627	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1604	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1628	NRSA63J-270X	MG RESISTOR	27Ω1/16W J		RA1605	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1642	NRSA63J-100X	MG RESISTOR	10Ω1/16W J		RA1606	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1644	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		RA1607	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1649	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1608	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1650	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1609	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1651	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1610	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1652	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		RA1611	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1653	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1612	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1654	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1613	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1655	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1614	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1656	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1615	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1657	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		RA1616	NRZ0040-220X	NET RESISTOR	22Ω1/16W J x4	
R1658	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		RA1617	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1659	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		RA1618	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1660	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		RA1619	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1701	NRSA63J-271X	MG RESISTOR	270Ω1/16W J		RA1620	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		RA1621	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1703	NRSA63D-222X	MG RESISTOR	2.2kΩ1/16W D		RA1622	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1704	NRSA63D-222X	MG RESISTOR	2.2kΩ1/16W D		RA1623	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1801	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1624	NRZ0040-101X	NET RESISTOR	100Ω1/16W J x4	
R1802	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1625	NRZ0040-100X	NET RESISTOR	10Ω1/16W J x4	
R1803	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		RA1626	NRZ0040-100X	NET RESISTOR	10Ω1/16W J x4	
R1804	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		RA1627	NRZ0040-100X	NET RESISTOR	10Ω1/16W J x4	
R1805	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1628	NRZ0040-100X	NET RESISTOR	10Ω1/16W J x4	
R1807	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		RA1629	NRZ0040-470X	NET RESISTOR	47Ω1/16W J x4	
R1809	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		RA1630	NRZ0040-470X	NET RESISTOR	47Ω1/16W J x4	
R1810	NRSA63J-394X	MG RESISTOR	390kΩ1/16W J		RA1631	NRZ0040-470X	NET RESISTOR	47Ω1/16W J x4	
R1812	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA1632	NRZ0040-470X	NET RESISTOR	47Ω1/16W J x4	
R1813	NRSA63J-560X	MG RESISTOR	56Ω1/16W J		RA1801	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1814	NRSA63J-560X	MG RESISTOR	56Ω1/16W J		RA1802	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J	
R1815	NRSA63J-560X	MG RESISTOR	56Ω1/16W J		RA2201	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1816	NRSA63J-560X	MG RESISTOR	56Ω1/16W J		RA2202	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1817	NRSA63J-512X	MG RESISTOR	5.1kΩ1/16W J		RA2203	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1818	NRSA63D-562X	MG RESISTOR	5.6kΩ1/16W D		RA2204	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1819	NRSA63D-751X	MG RESISTOR	750Ω1/16W D		RA2205	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1820	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		RA2206	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1821	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		RA2207	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4	
R1822	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		RA2208	NRZ0040-330X	NET RESISTOR	33Ω1/16W J x4	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		RA2209	NRZ0040-330X	NET RESISTOR	33Ω1/16W J x4	
R2202	NRSA63J-562X	MG RESISTOR	5.6kΩ1/16W J		RA2210	NRZ0040-330X	NET RESISTOR	33Ω1/16W J x4	
R2203	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		RA2211	NRZ0040-330X	NET RESISTOR	33Ω1/16W J x4	
R2204	NRSA63J-330X	MG RESISTOR	33Ω1/16W J						
R2205	NRSA63J-820X	MG RESISTOR	82Ω1/16W J		L1004	NQL144K-100X	P COIL	0.30Ω10uH K	
R2206	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		L1801	NQL144K-100X	P COIL	0.30Ω10uH K	
R2207	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		T1801	NQR0444-001X	CHOKE COIL		
R2208	NRSA63J-820X	MG RESISTOR	82Ω1/16W J						
R2209	NRSA63J-220X	MG RESISTOR	22Ω1/16W J		B1001	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
R2210	NRSA63J-820X	MG RESISTOR	82Ω1/16W J		B1007	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
R2211	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		B1008	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
R2212	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		B1204	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R2213	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		B1208	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R2214	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		B1802	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
R2215	NRSA63J-330X	MG RESISTOR	33Ω1/16W J		CN1001	QGB2027L6-28X	CONNECTOR	B-B (1-28)	
RA1001	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4		CN1002	QGB2027L6-28X	CONNECTOR	B-B (1-28)	
RA1002	NRZ0040-0R0X	NET RESISTOR	0Ω1/16W J x4		CN1402	QGA2001C2-04V	CONNECTOR	W-B (1-4)	
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J		CN1403	QGF1016C2-04W	CONNECTOR	FFC/FPC (1-4)	
RA1004	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J		CN1801	QGB2027L1-10X	CONNECTOR	B-B (1-10)	
RA1005	NRZ0034-103W	NET RESISTOR	10kΩ1/32W J		CN2201	QGF0539C1-40W	CONNECTOR	FFC/FPC (1-40)	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		IC4001	or JCP8038	IC		
K1002	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		IC4201	LC74793	IC		
K1003	NQR0129-002X	FERRITE BEADS			IC6701	MSP3417GQGB8V3X	IC		
K1004	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		IC6701	or MSP3417G-X	IC		
K1005	NQR0129-002X	FERRITE BEADS			IC7301	MM1623XF-X	IC		
K1006	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		IC7302	MM1508XN-X	IC		
K1007	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		IC7303	TC74HC4053AF-X	IC		
K1008	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		IC7303	or CD74HC4053NS-X	IC		
K1009	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		IC7304	MM1501XN-X	IC		
K1010	NQR0129-002X	FERRITE BEADS			IC8001	AK5365VQ	IC		
K1011	NQR0129-002X	FERRITE BEADS			IC8201	AK4385VT-X	IC		
K1012	NQR0129-002X	FERRITE BEADS			IC8201	or AK4381VT-X	IC		
K1013	NQR0129-002X	FERRITE BEADS			IC8202	BA15218F-XE	IC		
K1014	NQR0129-002X	FERRITE BEADS			IC8301	LA7151M-X	IC		
K1015	NQR0129-002X	FERRITE BEADS			IC8302	LA7151M-X	IC		
K1016	NQR0129-002X	FERRITE BEADS			IC8303	BA15218F-XE	IC		
K1017	NQR0129-002X	FERRITE BEADS			IC8501	SN74LV08APW-X	IC		
K1018	NQR0129-002X	FERRITE BEADS							
K1019	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3004	2SC2412K/QRS-X	TRANSISTOR		
K1020	NQR0129-002X	FERRITE BEADS			Q3004	or 2SD601A/QRS-X	TRANSISTOR		
K1201	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		Q3004	or 2SC3928A/QRS-X	TRANSISTOR		
K1401	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3007	UN221E-X	TRANSISTOR		
K1402	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3007	or DTC144WKA-X	DIGI TRANSISTOR		
K1403	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3007	or RT1N44HC-X	DIGI TRANSISTOR		
K1404	NQR0339-001X	FERRITE BEADS			Q3009	UN221E-X	TRANSISTOR		M10SAA
K1406	NQR0339-001X	FERRITE BEADS			Q3009	or DTC144WKA-X	DIGI TRANSISTOR		M10SAA
K1407	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3009	or RT1N44HC-X	DIGI TRANSISTOR		M10SAA
K1408	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3010	UN221E-X	TRANSISTOR		M10SAA
K1701	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3010	or DTC144WKA-X	DIGI TRANSISTOR		M10SAA
K1702	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3010	or RT1N44HC-X	DIGI TRANSISTOR		M10SAA
K1801	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		Q3901	UN221E-X	TRANSISTOR		
K2201	NQR0129-002X	FERRITE BEADS			Q3901	or DTC144WKA-X	DIGI TRANSISTOR		
K2202	NQR0129-002X	FERRITE BEADS			Q3901	or RT1N44HC-X	DIGI TRANSISTOR		
K2203	NQR0129-002X	FERRITE BEADS			Q4001	2SB709A/QR-X	TRANSISTOR		
K2204	NQR0129-002X	FERRITE BEADS			Q4001	or 2SA1037AK/QR-X	TRANSISTOR		
K2205	NQR0129-002X	FERRITE BEADS			Q4001	or 2SA1530A/QR-X	SI TRANSISTOR		
K2206	NQR0129-002X	FERRITE BEADS			Q4003	2SD601A/QRS-X	TRANSISTOR		
K2207	NQR0129-002X	FERRITE BEADS			Q4003	or 2SC2412K/QRS-X	TRANSISTOR		
K2208	NQR0129-002X	FERRITE BEADS			Q4003	or 2SC3928A/QRS-X	TRANSISTOR		
K2209	NQR0129-002X	FERRITE BEADS			Q4006	2SC2412K/QRS-X	TRANSISTOR		
K2210	NQR0129-002X	FERRITE BEADS			Q4006	or 2SC3928A/QRS-X	TRANSISTOR		
K2211	NQR0129-002X	FERRITE BEADS			Q4101	2SD2144S/UUV-T	TRANSISTOR		
K2212	NQR0129-002X	FERRITE BEADS			Q4101	or 2SC3576-JVC-T	TRANSISTOR		
K2213	NQR0129-002X	FERRITE BEADS			Q6030	2SA1037AK/QR-X	TRANSISTOR		
K2214	NQR0129-002X	FERRITE BEADS			Q6030	or 2SB709A/QR-X	TRANSISTOR		
K2215	NQR0129-002X	FERRITE BEADS			Q6030	or 2SA1530A/QR-X	SI TRANSISTOR		
K2216	NQR0129-002X	FERRITE BEADS			Q6031	UN2211-X	TRANSISTOR		
K2217	NQR0129-002X	FERRITE BEADS			Q6031	or DTC114EKA-X	TRANSISTOR		
K2218	NQR0129-002X	FERRITE BEADS			Q7201	2SC1317/RS-T	TRANSISTOR		M10SAA
K2219	NQR0129-002X	FERRITE BEADS			Q7301	2SD601A/QRS-X	TRANSISTOR		
K2220	NQR0129-002X	FERRITE BEADS			Q7301	or 2SC2412K/QRS-X	TRANSISTOR		
K2221	NQR0129-002X	FERRITE BEADS			Q7301	or 2SC3928A/QRS-X	TRANSISTOR		
LC1401	NQR0415-002X	EMI FILTER	1uF 16V Z		Q7302	2SD601A/QRS-X	TRANSISTOR		
LC1402	NQR0415-002X	EMI FILTER	1uF 16V Z		Q7302	or 2SC2412K/QRS-X	TRANSISTOR		
LC1403	NQR0415-002X	EMI FILTER	1uF 16V Z		Q7302	or 2SC3928A/QRS-X	TRANSISTOR		
OT1	LC41656-001A	COOLING SHEET			Q7310	2SB709A/QR-X	TRANSISTOR		
SD1	LP21258-001A	SHIELD CASE			Q7310	or 2SA1037AK/QR-X	TRANSISTOR		
X1401	NAX0580-001X	CXO	27.0000MHZ		Q7310	or 2SA1530A/QR-X	SI TRANSISTOR		
X1801	NAX0666-001X	CRYSTAL	24.576000MHZ		Q7311	2SB709A/QR-X	TRANSISTOR		
					Q7311	or 2SA1037AK/QR-X	TRANSISTOR		
					Q7311	or 2SA1530A/QR-X	SI TRANSISTOR		
					Q7312	UN221E-X	TRANSISTOR		
					Q7312	or DTC144WKA-X	DIGI TRANSISTOR		
					Q7312	or RT1N44HC-X	DIGI TRANSISTOR		
					Q7313	UN221E-X	TRANSISTOR		
					Q7313	or DTC144WKA-X	DIGI TRANSISTOR		
					Q7313	or RT1N44HC-X	DIGI TRANSISTOR		
					Q7314	UN221E-X	TRANSISTOR		
					Q7314	or DTC144WKA-X	DIGI TRANSISTOR		
					Q7314	or RT1N44HC-X	DIGI TRANSISTOR		
					Q7315	DTC114TKA-X	TRANSISTOR		
					Q7315	or RT1N140C-X	DIGI TRANSISTOR		
					Q7315	or UN2215-X	TRANSISTOR		
					Q7316	2SB709A/QR-X	TRANSISTOR		
					Q7316	or 2SA1037AK/QR-X	TRANSISTOR		
					Q7316	or 2SA1530A/QR-X	SI TRANSISTOR		
					Q7317	2SB709A/QR-X	TRANSISTOR		
					Q7317	or 2SA1037AK/QR-X	TRANSISTOR		

Main board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-10C1	MAIN BOARD ASSY		M10SAA
PW1	LPA10239-11A1	MAIN BOARD ASSY		M10SAG,M10SAX
IC3001	HD6432194SXD77F	IC(MCU)	MASK	M10SAA
IC3001	HD6432194SXD81F	IC(MCU)	MASK	M10SAG,M10SAX
IC3002	IC-PST3427U-X	IC		
IC3004	LPN0867-002A-31	IC(EEPROM)	*(REFER TO BELOW)	M10SAA
IC3004	LPN0911-001A-31	IC(EEPROM)	*(REFER TO BELOW)	M10SAG,M10SAX
IC4001	JCP8038-I	IC		

*This model goes to jig RCU mode after replacing the EEPROM and does not accept some RCU command.

Therefore please set to the user RCU mode after replacing the EEPROM.

3-10(No.YD025)

The method of setting to the user RCU mode is written on the service manual.

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q7317	or 2SA1530A/QR/-X	SI TRANSISTOR			C4013	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q8201	UN221E-X	TRANSTSTOR			C4015	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8201	or DTC144WKA-X	DIGI TRANSISTOR			C4016	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8201	or RT1N44HC-X	DIGI TRANSISTOR			C4018	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q8202	UN211E-X	DIGI TRANSISTOR			C4019	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q8202	or DTA144WKA-X	TRANSISTOR			C4021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8202	or RT1P44HC-X	DIGI TRANSISTOR			C4022	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8203	2SC2412K/QRS/-X	TRANSISTOR			C4023	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8203	or 2SD601A/QRS/-X	TRANSISTOR			C4024	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8203	or 2SC3928A/QRS/-X	TRANSISTOR			C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8205	2SC2412K/QRS/-X	TRANSISTOR			C4026	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8205	or 2SD601A/QRS/-X	TRANSISTOR			C4027	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8205	or 2SC3928A/QRS/-X	TRANSISTOR			C4028	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
Q8301	2SC2412K/QRS/-X	TRANSISTOR			C4029	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
Q8301	or 2SD601A/QRS/-X	TRANSISTOR			C4030	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8301	or 2SC3928A/QRS/-X	TRANSISTOR			C4033	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8302	2SC2412K/QRS/-X	TRANSISTOR			C4034	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
Q8302	or 2SD601A/QRS/-X	TRANSISTOR			C4035	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8302	or 2SC3928A/QRS/-X	TRANSISTOR			C4036	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8303	2SC2412K/QRS/-X	TRANSISTOR			C4037	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8303	or 2SD601A/QRS/-X	TRANSISTOR			C4039	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8303	or 2SC3928A/QRS/-X	TRANSISTOR			C4040	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8304	2SC2412K/QRS/-X	TRANSISTOR			C4041	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
Q8304	or 2SD601A/QRS/-X	TRANSISTOR			C4043	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
Q8304	or 2SC3928A/QRS/-X	TRANSISTOR			C4045	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
D3002	1SS133-T2	DIODE			C4046	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D3002	or 1SS270A-T2	SI DIODE			C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D3003	RD39ES/B3/-T2	Z DIODE			C4049	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
D3003	or MTZJ39C-T2	Z DIODE			C4050	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
D3004	10EDB20-T2	SI DIODE			C4055	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
D3004	or 1A3G-T2	SI DIODE			C4056	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D3005	10EDB20-T2	SI DIODE			C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D3005	or 1A3G-T2	SI DIODE			C4067	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
D3007	1SS355-X	SI DIODE	M10SAA		C4068	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D3007	or MA111-X	SI DIODE	M10SAA		C4069	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
D3008	1SS355-X	SI DIODE			C4071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D3008	or MA111-X	SI DIODE			C4072	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
D4001	DA204U-X	SI DIODE			C4081	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D4002	DA204U-X	SI DIODE			C4109	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D6002	HZ30-2L-T2	Z DIODE			C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
D6002	or HZ30-2LTD	Z DIODE			C4201	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
D6701	1SS133-T2	DIODE			C4202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D6701	or 1SS270A-T2	SI DIODE			C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D7304	1SS133-T2	DIODE			C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D8001	1SS355-X	SI DIODE			C4207	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
D8001	or MA111-X	SI DIODE			C4208	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
D8202	1SS355-X	SI DIODE			C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C3007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C4210	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C3010	QE20244-229	EDL CAPACITOR	0.022F 5.5V Z		C4211	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3014	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		C6006	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C3015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6007	QEKJ0JM-337Z	E CAPACITOR	330uF 6.3V M	
C3016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6014	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C3022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6701	NCB21HK-102X	C CAPACITOR	1000pF 50V K	
C3024	NDC31HJ-220X	C CAPACITOR	22pF 50V J		C6707	NDC21HJ-470X	C CAPACITOR	47pF 50V J	
C3025	QAT3725-300Z	TRIM CAPACITOR	30pF TIMER CLOCK		C6708	NDC21HJ-8R0X	C CAPACITOR	8pF 50V J	
C3027	QERF1CM-106Z	E CAPACITOR	10uF 16V M		C6709	NDC21HJ-8R0X	C CAPACITOR	8pF 50V J	
C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		C6713	NCF21CZ-224X	C CAPACITOR	0.22uF 16V Z	
C3031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6714	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C3032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6715	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C3033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6716	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C3036	NDC31HJ-180X	C CAPACITOR	18pF 50V J		C6717	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C3037	NDC31HJ-120X	C CAPACITOR	12pF 50V J		C6719	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C3038	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		C6720	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C3039	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C6721	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C6723	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C3050	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C6753	QEKJ0JM-337Z	E CAPACITOR	330uF 6.3V M	
C3051	NCB31HK-272X	C CAPACITOR	2700pF 50V K		C7202	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	M10SAA
C3054	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7203	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	M10SAA
C4001	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		C7301	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4003	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4005	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4006	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7305	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4008	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C7306	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4010	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M	
C4012	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
					C7309	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
					C7310	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8321	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8323	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C7314	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7315	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		C8401	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C7316	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C8402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7317	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8501	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7318	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7319	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7327	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C7330	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C7331	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7334	NDC31HJ-681X	C CAPACITOR	680pF 50V J		R3011	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C7335	NDC31HJ-681X	C CAPACITOR	680pF 50V J		R3012	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3016	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C7337	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3017	NRSA63J-104X	MG RESISTOR	100kΩ/16W J	
C7338	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3018	NRSA63J-682X	MG RESISTOR	6.8kΩ/16W J	
C7339	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3022	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C7340	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3028	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C7345	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3029	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C7346	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R3038	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		R3039	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3040	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C7351	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3041	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C7354	NDC31HJ-681X	C CAPACITOR	680pF 50V J		R3044	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	M10SAA
C7355	NDC31HJ-681X	C CAPACITOR	680pF 50V J		R3046	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C7368	NDC31HJ-120X	C CAPACITOR	12pF 50V J		R3047	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C7369	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J		R3048	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C7371	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3049	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8001	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R3050	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8002	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R3051	NRSA63J-471X	MG RESISTOR	470Ω/16W J	
C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3052	NRSA63J-471X	MG RESISTOR	470Ω/16W J	
C8007	QERF1HM-105Z	E CAPACITOR	1uF 50V M		R3053	NRSA63J-471X	MG RESISTOR	470Ω/16W J	
C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3054	NRSA63J-471X	MG RESISTOR	470Ω/16W J	
C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3055	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3060	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3061	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8012	QERF1HM-105Z	E CAPACITOR	1uF 50V M		R3062	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3063	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8021	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3066	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8022	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3069	NRSA63J-101X	MG RESISTOR	100Ω/16W J	
C8023	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		R3071	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3072	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3073	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3075	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		R3076	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3079	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3088	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M		R3089	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R3090	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R3094	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R3095	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R3096	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R3097	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J		R3213	NRSA63J-474X	MG RESISTOR	470kΩ/16W J	
C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3214	NRSA63J-334X	MG RESISTOR	330kΩ/16W J	
C8210	QETJ1CM-227Z	E CAPACITOR	220uF 16V M		R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8212	QETJ1CM-227Z	E CAPACITOR	220uF 16V M		R3220	NRSA63J-104X	MG RESISTOR	100kΩ/16W J	
C8215	QETJ1EM-476Z	E CAPACITOR	47uF 25V M		R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8217	QETJ1EM-476Z	E CAPACITOR	47uF 25V M		R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8220	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R3225	NRSA63J-471X	MG RESISTOR	470Ω/16W J	
C8301	QETN1CM-477Z	E CAPACITOR	470uF 16V M		R3226	NRSA63J-471X	MG RESISTOR	470Ω/16W J	
C8302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3229	NRSA63J-105X	MG RESISTOR	1MΩ/16W J	
C8303	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3230	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8304	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3231	NRSA63J-102X	MG RESISTOR	1kΩ/16W J	
C8305	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3233	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	M10SAA
C8306	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3234	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C8307	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3235	NRSA63J-332X	MG RESISTOR	3.3kΩ/16W J	
C8308	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3236	NRSA63J-332X	MG RESISTOR	3.3kΩ/16W J	
C8311	QETN1CM-477Z	E CAPACITOR	470uF 16V M		R3237	NRSA63J-332X	MG RESISTOR	3.3kΩ/16W J	M10SAA
C8312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3239	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C8313	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3240	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C8314	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3242	NRSA63J-472X	MG RESISTOR	4.7kΩ/16W J	
C8315	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3248	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8316	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3249	NRSA63J-0R0X	MG RESISTOR	0Ω/16W J	
C8317	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3251	NRSA63J-103X	MG RESISTOR	10kΩ/16W J	
C8318	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R3252	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7341	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3256	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R7342	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3257	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R7343	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R3258	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R7344	NRSA63D-750X	MG RESISTOR	75Ω1/16W D	
R3260	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	M10SAA	R7345	NRSA63D-750X	MG RESISTOR	75Ω1/16W D	
R4001	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7346	NRSA63D-680X	MG RESISTOR	68Ω1/16W D	
R4003	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7347	NRSA63D-750X	MG RESISTOR	75Ω1/16W D	
R4004	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7349	QRE121J-331Y	C RESISTOR	330Ω1/2W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7350	NRSA63J-562X	MG RESISTOR	5.6kΩ1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7351	NRSA63J-562X	MG RESISTOR	5.6kΩ1/16W J	
R4009	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7352	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R4010	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J		R7353	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R4011	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7354	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R4012	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R7355	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R4017	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R7356	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R4018	NRSA63J-272X	MG RESISTOR	2.7kΩ1/16W J		R7357	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R4021	NRSA63J-271X	MG RESISTOR	270Ω1/16W J		R7358	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R4026	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J		R7359	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R4027	NRSA63J-562X	MG RESISTOR	5.6kΩ1/16W J		R7360	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R4028	NRSA63J-562X	MG RESISTOR	5.6kΩ1/16W J		R7361	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R4029	NRSA63J-222X	MG RESISTOR	2.2kΩ1/16W J		R7367	NRSA63J-122X	MG RESISTOR	1.2kΩ1/16W J	
R4044	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		R7368	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R4045	NRSA63J-821X	MG RESISTOR	820Ω1/16W J		R7378	QRE141J-103Y	C RESISTOR	10kΩ1/4W J	
R4046	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J		R8001	NRSA63J-513X	MG RESISTOR	51kΩ1/16W J	
R4047	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R8002	NRSA63J-513X	MG RESISTOR	51kΩ1/16W J	
R4048	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R8007	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R4051	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R8008	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R4104	NRSA63J-221X	MG RESISTOR	220Ω1/16W J		R8013	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R4105	NRSA63J-105X	MG RESISTOR	1MΩ1/16W J		R8014	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R4201	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R8015	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R4203	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R8016	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R4204	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R8017	NRSA63J-203X	MG RESISTOR	20kΩ1/16W J	
R4205	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R8019	NRSA63D-473X	MG RESISTOR	47kΩ1/16W D	
R4207	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R8020	NRSA63D-473X	MG RESISTOR	47kΩ1/16W D	
R4208	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		R8021	NRSA63D-473X	MG RESISTOR	47kΩ1/16W D	
R4209	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R8022	NRSA63D-473X	MG RESISTOR	47kΩ1/16W D	
R4210	NRSA63J-272X	MG RESISTOR	2.7kΩ1/16W J		R8023	NRSA63D-473X	MG RESISTOR	47kΩ1/16W D	
R4211	NRSA63J-562X	MG RESISTOR	5.6kΩ1/16W J		R8024	NRSA63D-473X	MG RESISTOR	47kΩ1/16W D	
R6020	NRSA02J-102X	MG RESISTOR	1kΩ1/10W J		R8026	NRSA63J-203X	MG RESISTOR	20kΩ1/16W J	
R6021	NRSA02J-102X	MG RESISTOR	1kΩ1/10W J		R8031	NRSA63D-203X	MG RESISTOR	20kΩ1/16W D	
R6030	NRSA02J-332X	MG RESISTOR	3.3kΩ1/10W J		R8032	NRSA63D-203X	MG RESISTOR	20kΩ1/16W D	
R6031	NRSA02J-101X	MG RESISTOR	100Ω1/10W J		R8033	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R6080	NRSA02J-103X	MG RESISTOR	10kΩ1/10W J		R8034	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R6707	NRSA02J-330X	MG RESISTOR	33Ω1/10W J		R8035	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R6708	NRSA02J-103X	MG RESISTOR	10kΩ1/10W J		R8036	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R6709	NRSA02J-102X	MG RESISTOR	1kΩ1/10W J		R8039	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R6710	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J		R8040	NRSA63J-563X	MG RESISTOR	56kΩ1/16W J	
R6711	NRSA02J-104X	MG RESISTOR	100kΩ1/10W J		R8041	NRSA63J-823X	MG RESISTOR	82kΩ1/16W J	
R6712	NRSA02J-102X	MG RESISTOR	1kΩ1/10W J		R8042	NRSA63J-393X	MG RESISTOR	39kΩ1/16W J	
R6713	NRSA02J-123X	MG RESISTOR	12kΩ1/10W J		R8043	NRSA63J-823X	MG RESISTOR	82kΩ1/16W J	
R6714	NRSA02J-102X	MG RESISTOR	1kΩ1/10W J		R8044	NRSA63J-182X	MG RESISTOR	1.8kΩ1/16W J	
R6715	NRSA02J-123X	MG RESISTOR	12kΩ1/10W J		R8045	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R6716	NRSA02J-470X	MG RESISTOR	47Ω1/10W J		R8046	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R6719	QRE141J-103Y	C RESISTOR	10kΩ1/4W J		R8047	NRSA63J-153X	MG RESISTOR	15kΩ1/16W J	
R6720	NRSA02J-562X	MG RESISTOR	5.6kΩ1/10W J		R8201	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R6721	NRSA02J-562X	MG RESISTOR	5.6kΩ1/10W J		R8202	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R7202	NRSA63J-221X	MG RESISTOR	220Ω1/16W J	M10SAA	R8203	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R7203	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	M10SAA	R8204	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R7204	QRE121J-100Y	C RESISTOR	10Ω1/2W J	M10SAA	R8206	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J	
R7301	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		R8211	NRSA63D-432X	MG RESISTOR	4.3kΩ1/16W D	
R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		R8212	NRSA63D-432X	MG RESISTOR	4.3kΩ1/16W D	
R7303	NRSA63J-392X	MG RESISTOR	3.9kΩ1/16W J		R8213	NRSA63D-472X	MG RESISTOR	4.7kΩ1/16W D	
R7304	NRSA63J-223X	MG RESISTOR	22kΩ1/16W J		R8214	NRSA63D-472X	MG RESISTOR	4.7kΩ1/16W D	
R7305	NRSA63J-331X	MG RESISTOR	330Ω1/16W J		R8215	NRSA63D-121X	MG RESISTOR	120Ω1/16W D	
R7309	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J		R8216	NRSA63D-121X	MG RESISTOR	120Ω1/16W D	
R7311	QRE141J-153Y	C RESISTOR	15kΩ1/4W J		R8217	NRSA63D-432X	MG RESISTOR	4.3kΩ1/16W D	
R7312	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R8218	NRSA63D-432X	MG RESISTOR	4.3kΩ1/16W D	
R7314	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		R8219	NRSA63D-472X	MG RESISTOR	4.7kΩ1/16W D	
R7315	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J		R8220	NRSA63D-472X	MG RESISTOR	4.7kΩ1/16W D	
R7318	NRSA63D-750X	MG RESISTOR	75Ω1/16W D		R8221	NRSA63D-121X	MG RESISTOR	120Ω1/16W D	
R7319	NRSA63D-750X	MG RESISTOR	75Ω1/16W D		R8222	NRSA63D-121X	MG RESISTOR	120Ω1/16W D	
R7320	NRSA63D-750X	MG RESISTOR	75Ω1/16W D		R8223	NRSA63J-221X	MG RESISTOR	220Ω1/16W J	
R7335	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R8224	NRSA63J-221X	MG RESISTOR	220Ω1/16W J	
R7336	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R8233	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R7337	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R8234	NRSA63J-473X	MG RESISTOR	47kΩ1/16W J	
R7338	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		R8241	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R7339	QRE141J-101Y	C RESISTOR	100Ω1/4W J		R8242	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R7340	NRSA63J-750X	MG RESISTOR	75Ω1/16W J		R8244	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R8249	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J		K6704	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
R8250	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		K6705	NQR0200-003X	FERRITE BEADS		
R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		K6706	NQR0200-003X	FERRITE BEADS		
R8301	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		K6708	NQR0200-003X	FERRITE BEADS		
R8302	NRSA63J-101X	MG RESISTOR	100Ω1/16W J		K8001	NQR0339-001X	FERRITE BEADS		
R8303	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		K8002	NQR0339-001X	FERRITE BEADS		
R8304	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J		K8201	NQR0339-001X	FERRITE BEADS		
R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		K8401	NQR0339-001X	FERRITE BEADS		
R8306	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		K8501	NQR0227-004X	FERRITE BEADS		
R8307	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J		ST1	PU59391	STYLE PIN		
R8308	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		TU6001	QAU0323-001	TUNER		
R8309	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		W1	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8310	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J		W2	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8311	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		W3	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8312	NRSA63J-471X	MG RESISTOR	470Ω1/16W J		W4	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8313	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J		W5	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8314	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J		W6	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8315	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		W7	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8316	NRSA63J-470X	MG RESISTOR	47Ω1/16W J		W8	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8321	NRSA63J-221X	MG RESISTOR	220Ω1/16W J		W9	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8322	NRSA63J-221X	MG RESISTOR	220Ω1/16W J		W10	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8323	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		W11	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8324	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J		W12	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8325	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J		W13	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8326	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J		W14	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω1/16W J		W15	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8502	NRSA63J-561X	MG RESISTOR	560Ω1/16W J		W16	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8503	NRSA63J-561X	MG RESISTOR	560Ω1/16W J		W17	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8504	NRSA63J-820X	MG RESISTOR	82Ω1/16W J		W18	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8505	NRSA63J-100X	MG RESISTOR	10Ω1/16W J		W19	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8506	NRSA63J-100X	MG RESISTOR	10Ω1/16W J		W20	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R8507	NRSA63J-561X	MG RESISTOR	560Ω1/16W J		W21	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L3001	QQL231J-R22Y	COIL	0.40Ω0.22uH J		W22	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L4001	QQL29BJ-100Z	P COIL	0.40Ω10uH J		W23	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L4002	QQL29BJ-100Z	P COIL	0.40Ω10uH J		W24	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L4004	QQL071J-330Y	COIL	33uH J		W25	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L4006	QQL29BJ-100Z	P COIL	0.40Ω10uH J		W26	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L4007	QQL071J-8R2Y	COIL	8.2uH J		W27	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L4201	QQL29BJ-100Z	P COIL	0.40Ω10uH J		W28	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L6001	QQL29BK-1R0Z	P COIL	0.14Ω1uH K		W29	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L6002	QQL29BK-1R0Z	P COIL	0.14Ω1uH K		W30	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L6005	QQL29BK-1R0Z	P COIL	0.14Ω1uH K		W31	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L6701	QQL29BJ-3R3Z	P COIL	0.24Ω3.3uH J		W32	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L7201	QQL29BJ-100Z	P COIL	0.40Ω10uH J	M10SAA	W33	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L7304	QQL29BJ-100Z	P COIL	0.40Ω10uH J		W34	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L7325	QQL071J-6R8Y	COIL	1.20Ω26.8uH J		W35	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
L8501	QQL071J-1R0Y	COIL	0.46Ω1uH J		W36	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B3962	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W37	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B3966	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W38	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B3971	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W39	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B4001	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W40	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B4002	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W41	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7301	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W42	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7304	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W43	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7305	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W44	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7306	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J		W45	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN3001	QGF1207C-1-18	CONNECTOR	FFC/FPC (1-18)		W46	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN3002	QGF1207C-1-09	CONNECTOR	FFC/FPC (1-9)		W47	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN3901	QGF1207C-1-06	CONNECTOR	FFC/FPC (1-6)		W48	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN4001	QGF1207C-1-11	CONNECTOR	FFC/FPC (1-11)		W49	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN4101	QGB2027M5-28S	CONNECTOR	B-B (1-28)		W50	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN4102	QGB2027M5-28S	CONNECTOR	B-B (1-28)		W51	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN5101	QGF1207C-1-19	CONNECTOR	FFC/FPC (1-19)		W52	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN5102	QGB1231M1-09	CONNECTOR	B-B (1-9)		W53	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN7301	QGF1207C-1-07	CONNECTOR	FFC/FPC (1-7)		W54	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
GN2	QNZ0136-001Z	EARTH PLATE			W55	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
GN3	QNZ0136-001Z	EARTH PLATE			W56	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
GN5	QNZ0136-001Z	EARTH PLATE			W57	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
J4109	QNS0089-001	3.5 JACK	COMPU/SAT	M10SAA	X3001	QAX0445-001	CRYSTAL	32.768kHz	
J7301	QNZ0516-001	RGB CONNECTOR	L-1		X3002	QAX0527-001	CRYSTAL	10.000000MHz	
J7302	QNZ0516-001	RGB CONNECTOR	L-2		X4001	QAX0576-001	CRYSTAL	4.433619MHz	
J7309	QNN0635-002	PIN JACK	COMPONENT		X6701	QAX0773-001Z	CRYSTAL	18.432000MHz	
J8501	GP1FP513TKBF	OPT TRANSMITTER	OPT/COAX						
K6701	NQR0200-003X	FERRITE BEADS							
K6702	NQR0200-003X	FERRITE BEADS							
K6703	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J						

Operation board

Block No. [2][7]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-10B3	OPERATION BOARD ASSY		M10SAA
PW1	LPA10239-11B3	OPERATION BOARD ASSY		M10SAGM10SAX
D7112	1SS133-T2	DIODE		
D7112	or 1SS270A-T2	SI DIODE		
D7113	1SS133-T2	DIODE		
D7113	or 1SS270A-T2	SI DIODE		
D7114	1SS133-T2	DIODE		
D7114	or 1SS270A-T2	SI DIODE		
D7115	1SS133-T2	DIODE		
D7115	or 1SS270A-T2	SI DIODE		
C7150	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
C7151	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7153	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R7151	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R7152	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R7153	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R7154	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R7155	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R7156	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN7101	QGF1208F1-09	CONNECTOR	FFC/FPC (1-9)	
CN7102	QGF1208F1-11	CONNECTOR	FFC/FPC (1-11)	
J7001	QND0084-001	S JACK	FRONT S-VIDEO INPUT	
J7002	QNN0364-002	PIN JACK	FRONT A/V INPUT	
OT1	LP30002-0G7A	SPACER		
S7113	QSW0381-001Z	TACT SWITCH	REC	
S7114	QSW0381-001Z	TACT SWITCH	REC MODE	
S7115	QSW0381-001Z	TACT SWITCH	PAUSE	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7133	QSW0381-001Z	TACT SWITCH	REC LINK	
S7134	QSW0381-001Z	TACT SWITCH	STOP	
S7135	QSW0381-001Z	TACT SWITCH	PLAY	
W7151	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7152	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7153	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7154	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	

Swich display board

Block No. [2][8]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-01A2	SWITCH DISPLAY BOARD ASSY		
IC7001	UPD16315GB-3BS	IC		
IC7001	or PT6315	IC		
IC7002	GP1UM281XK	IR DETECT UNIT	38kHz	
IC7002	or PNA4652M00XB	IR DETECT UNIT	38kHz	
Q7001	2SC1740S/QRS/-T	TRANSISTOR		
Q7001	or 2SC3199/YG/-T	TRANSISTOR		
Q7001	or KTC3199/YG/-T	TRANSISTOR		
D7001	1SS133-T2	DIODE		
D7001	or 1SS270A-T2	SI DIODE		
D7021	RD9.1ES/B2/-T2	Z DIODE		
D7021	or MTZJ9.1B-T2	Z DIODE		
D7042	1SS133-T2	DIODE		
D7042	or 1SS270A-T2	SI DIODE		
D7043	SDPB3DC0/Z1/	LED	BLUE	
C7001	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7002	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7003	QEKJ1HM-106Z	E CAPACITOR	10uF 50V M	
C7006	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	

△ Symbol No.	Part No.	Part Name	Description	Local
C7007	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7008	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7010	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7011	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7056	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
R7001	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R7002	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R7003	NRSA63J-823X	MG RESISTOR	82kΩ1/16W J	
R7005	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R7006	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R7007	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ1/4W J	
R7010	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R7013	NRSA63J-333X	MG RESISTOR	33kΩ1/16W J	
R7014	NRSA63J-333X	MG RESISTOR	33kΩ1/16W J	
R7015	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R7044	QRE141J-182Y	C RESISTOR	1.8kΩ1/4W J	
R7045	QRE141J-470Y	C RESISTOR	47Ω1/4W J	
R7047	QRE141J-182Y	C RESISTOR	1.8kΩ1/4W J	
CN7001	QGF1207C1-18	CONNECTOR	FFC/FPC (1-18)	
DI7001	QLF0121-001	FL TUBE		
HD1	PQ34949-1-1	FL HOLDER(L)		
HD2	LP21255-001A	FL HOLDER(R)		
S7001	QSW0381-001Z	TACT SWITCH	OPERATION	

S/RCA Out board

Block No. [2][9]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-01A5	S/RCA OUT BOARD ASSY		
C7326	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7365	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7367	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R7327	NRSA63D-750X	MG RESISTOR	75Ω1/16W D	
R7328	NRSA63D-750X	MG RESISTOR	75Ω1/16W D	
R7365	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R7366	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
CN7312	QGF1208F1-07	CONNECTOR	FFC/FPC (1-7)	
J7307	QNN0631-001	PIN JACK	AUDIO OUT	
J7308	QND0009-001	S JACK	S-VIDEO OUT	

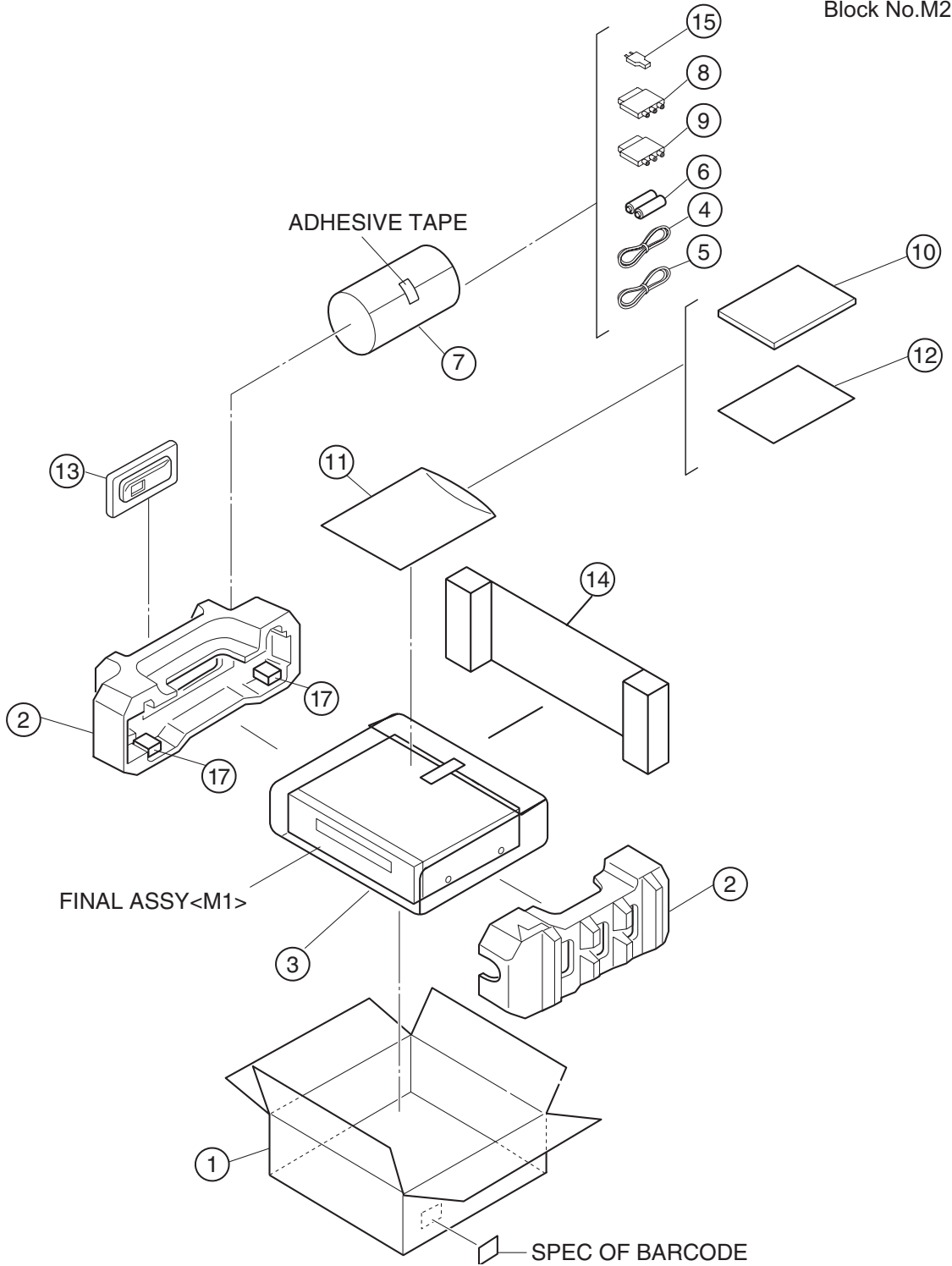
Jack board

Block No. [3][6]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-01A4	JACK BOARD ASSY		
CN4104	QGB2027M1-10S	CONNECTOR	B-B (1-10)	
J4112	QNZ0575-001	D CONNECTOR	DV IN	
OT1	QZW0021-001	PC SUPPORT		

Packing materials and accessories parts list

Block No.M2MM



Packing and accessories

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

△ Symbol No.	Part No.	Part Name	Description	Local
1	LP31384-021A	PACKING CASE		M10SAA
1	LP31384-023A	PACKING CASE		M10SAG
1	LP31384-027A	PACKING CASE		M10SAX
2	LP31387-001B	CUSHION ASSY		
3	PQM30021-93	POLY BAG		
4	QAM0525-002	RF CABLE		
5	QAM0522-001	A/V CABLE		
6	-----	BATTERY	R6TYPE(x2)	
7	QPC02202230P	POLY BAG	22cm x 22cm	
8	QAM0092-001	ADAPTOR PLUG	INPUT	
9	QAM0093-001	ADAPTOR PLUG	OUTPUT	
△ 10	LPT0941-001A	INST.BOOK	(ENGLISH)	M10SAA
△ 10	LPT0963-002A	INST.BOOK	(CHINESE)	M10SAG
△ 10	LPT0963-001A	INST.BOOK	(ENGLISH)	M10SAG,M10SAX
△ 10	LPT0963-003A	INST.BOOK	(ARABIC)	M10SAX
11	QPC02503530P	POLY BAG	25cm x 35cm	
12	BT-56012-1	WARRANTY CARD		M10SAA
13	RM-SDR014A	REMOCON		
14	LP31399-001A	SHEET ASSY		M10SAA
△ 15	QAM0060-002	CONVERSION PLUG		M10SAG,M10SAX
17	LP41169-001A	SPACER	(x2)	M10SAA