

JVC

SERVICE MANUAL

DVD VIDEO RECORDER

DR-M150SEK

Area Suffix

EK U.K.



Digital Video Broadcasting

Trade Mark of the DVB Digital Video Broadcasting Project (1991 to 1996) Number : 3546



DR-M150SEK [D5R10]

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-M150SEK	
GENERAL	
Power requirement	AC 220 V - 240 V~, 50 Hz/60 Hz
Power consumption	Power on : 37 W Power off : 6.4 W
Temperature	Operating : 5°C to 35°C Storage : -20°C to 60°C
Operating position	Horizontal only
Dimensions (W × H × D)	435 mm × 70 mm × 300 mm
Weight	3.4 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), DVD-R 8 cm(1.4 GB),DVD-RW 12 cm(4.7 GB),DVD-RW 8 cm(1.4 GB)
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
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:1.0 Vp-p, 75 ohms C : 0.3 Vp-p, 75 ohms
Video input	1.0 Vp-p, 75 ohms (pin jack)
Audio input	2Vrms (pin jack)
Audio output	2Vrms (pin jack)
21-pin SCART connectors	IN/OUT x 1, IN x 1
i.Link	4-pin for DV input
Component video output	Y : 1.0 Vp-p, 75 ohms PB/PR: 0.7 Vp-p, 75 ohms Corresponding to copy protection
Digital audio output	Coaxial Corresponding to Dolby Digital and DTS Digital Surround Bit stream Selectable in digital audio output setting menu
TUNER/TIMER	
Tuning system	Frequency synthesized tuner DVB-T 2K (UK)
Channel coverage	UHF : 470 MHz-850 MHz
Clock reference	Quartz
Program capacity	7 days EPG programmable timer/8 programmes
Memory backup time	Approx. 10 mins
ACCESSORIES	
Provided accessories	RF cable,21-pin SCART cable,Infrared remote control unit,"AA" battery x 2

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

- Manufactured under licence from Dolby Laboratories. "Dolby" and double-D symbol are trademarks of Dolby Laboratories.
- "DTS " and "DTS DIGITAL OUT " are trademarks of Digital Theater Systems, Inc.
- DVB (Digital Video Broadcasting) is a registered trademark of Digital Video Broadcasting Project. The Digital Video Broadcasting system is manufactured under license from Digital Video Broadcasting Project.
- 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

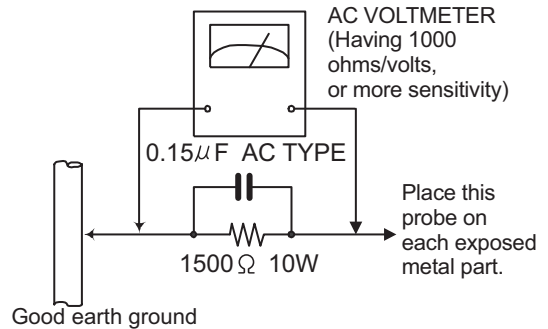
- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in 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 (\blacksquare), diode (\blacksquare) and ICP (\bullet) 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 or recorder.

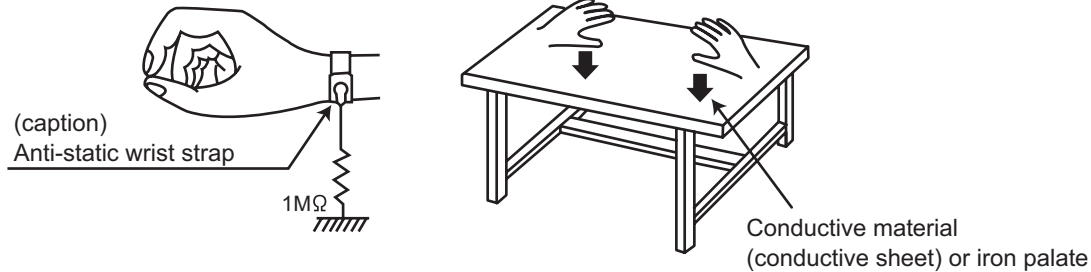
Be careful to use proper grounding in the area where repairs are being performed.

(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

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

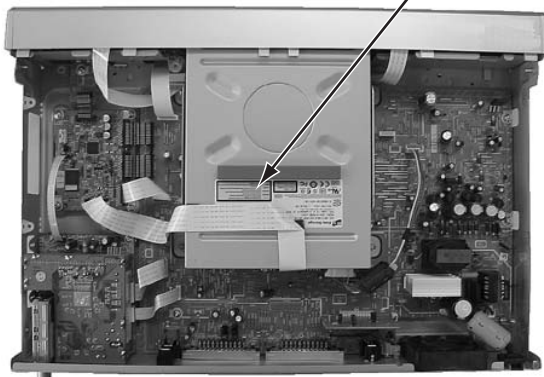
ADVARSEL SYNLIIG OG USYNLIIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSAETTELSE FOR STRÅLING SE IKKE IND I STRÅLEN - HELLER IKKE MED OPTISKE INSTRUMENTER.

ADVARSEL SYNLIIG OG USYNLIIG 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 SYNLIIG OCH OSYNLIIG LASERSTRÅLNING NÅR DENNA DEL ÅR ÖPPNAD. STRÅLEN ÅR FARLIG STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

On mechaism assembly



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.

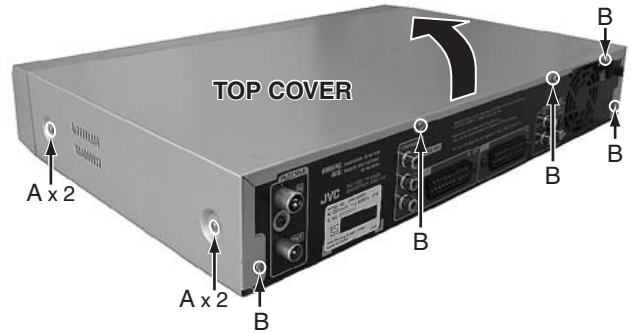


Fig.1

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

- 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 connectors [CN7002](#), [CN7003](#), [CN4001](#) on the main board and display board.
 - (2) Remove the two screws **C** attaching the front panel assembly on the bottom of the main body.
 - (3) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

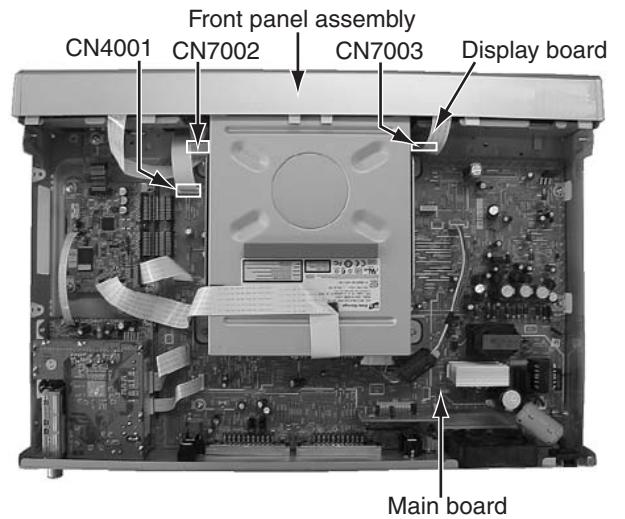


Fig.2

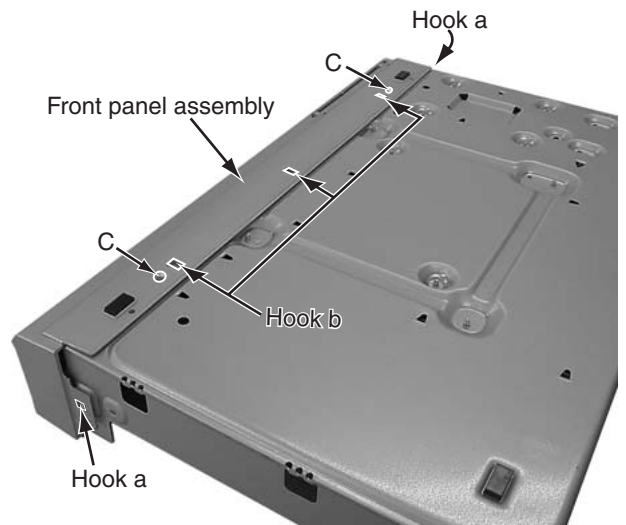


Fig.3

3.1.3 Remove the drive unit (See figure 4)

- 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 [CN5301](#) on the main board.
 - (2) Disconnect the card wire from connector [CN2201](#) on the digital board.
 - (3) Remove the four screws **D** attaching the drive unit.

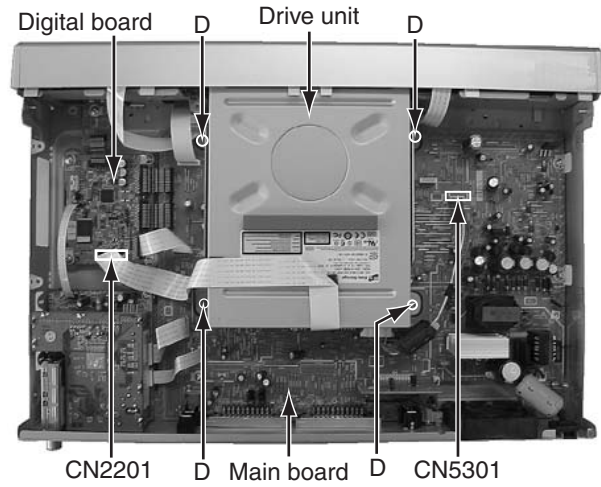


Fig.4

3.1.4 Remove the digital board (See figure 5)

- Prior to performing the following procedure, remove the top cover.
 - (1) Disconnect the card wire from connectors [CN2201](#), [CN1404](#), [CN1103](#) on the digital board.
 - (2) Disconnect the socket wire from connectors [CN1101](#), [CN1102](#), [CN1801](#) on the digital board.
 - (3) Remove the four screws **E** attaching the digital board.

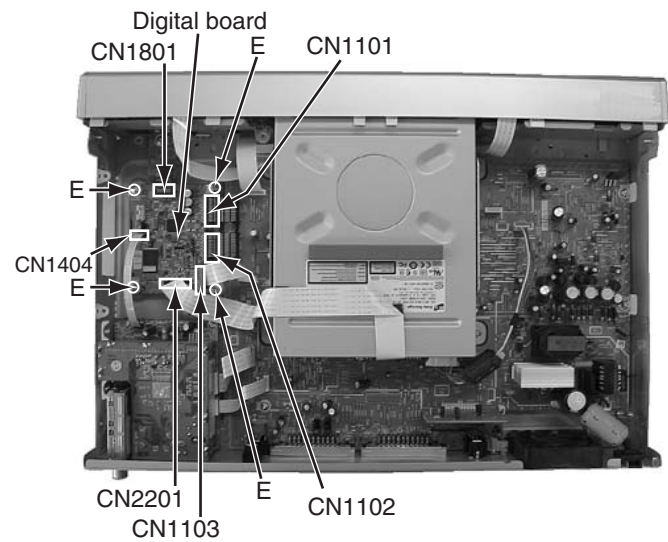


Fig.5

3.1.5 Remove the main board (See figure 6, figure 7)

- Prior to performing the following procedure, remove the top cover, drive unit.
 - (1) Disconnect the card wire from connectors [CN4001](#), [CN4103](#), [CN6801](#), [CN6802](#) on the main board.
 - (2) Disconnect the socket wire from connectors [CN1101](#), [CN1102](#), [CN7001](#) on the digital board and display board.
 - (3) Disconnect the socket wire from connector [CN5303](#), on the main board.
 - (4) Disconnect the power cord from connector [CN5001](#), on the main board.
 - (5) Remove the six screws **F** attaching the main board.
 - (6) Remove the seven screws **G** attaching the rear panel with main board.

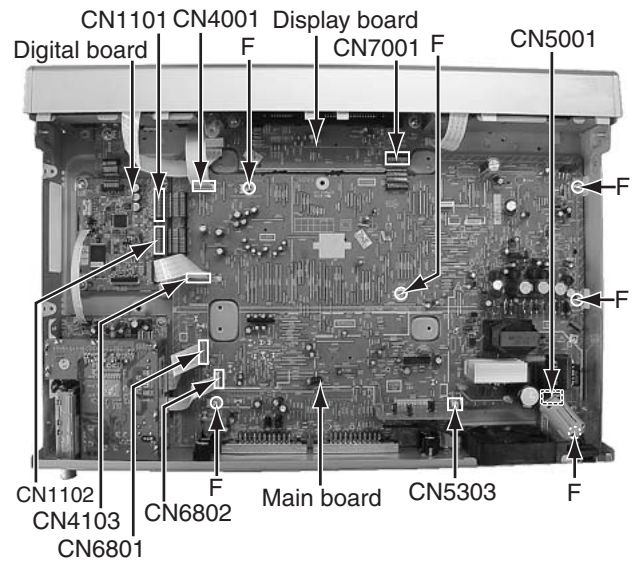


Fig.6

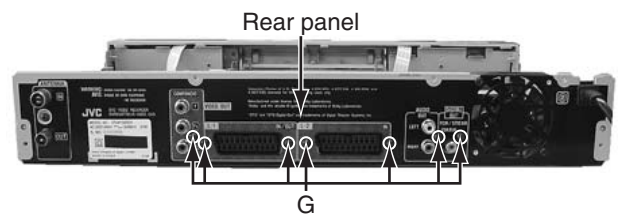


Fig.7

3.1.6 Remove the display board (See figure 8)

- Prior to performing the following procedure, remove the top cover, drive unit, front panel assembly.
 - (1) Disconnect the socket wire from connector [CN7001](#) on the display board.
 - (2) Remove the two screws **H** attaching the display board.

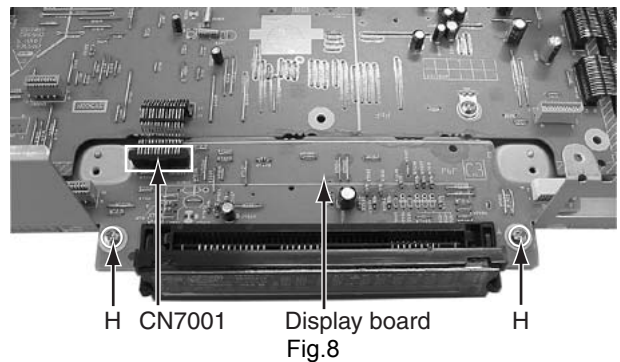


Fig.8

3.1.7 Remove the digital tuner unit (See figure 9,figure 10)

- Prior to performing the following procedure, remove the top cover.

- (1) Disconnect the card wire from connectors [CN6801](#), [CN6802](#), [CN1404](#) on the main board and digital board.
- (2) Remove the two screws **I** attaching the digital tuner unit.
- (3) Remove the one screw **J** attaching the rear panel with digital tuner unit.

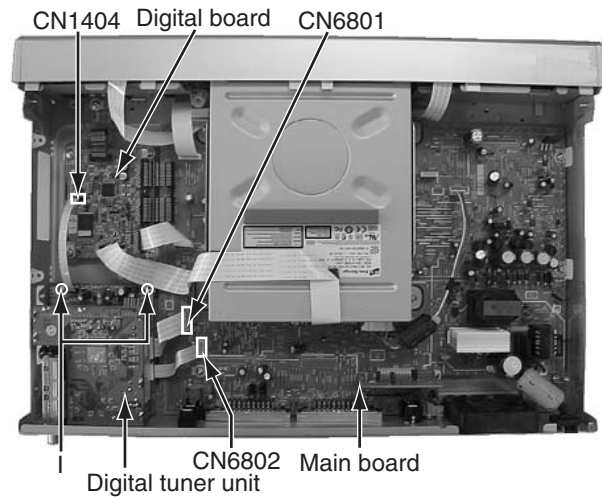


Fig.9

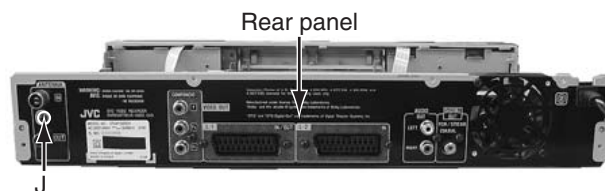


Fig.10

SECTION 4 ADJUSTMENT

This service manual does not describe ADJUSTMENT.


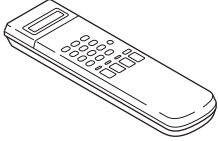
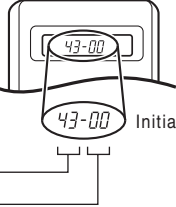
SECTION 5 TROUBLESHOOTING

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.

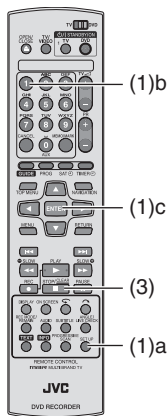
For cancellation : JIG remote control unit (part number : PTU94023B)

Remote control unit attached to product	JIG remote control unit
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">  <p>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/> <p>Data code</p> </div> </div> <div style="text-align: right; margin-top: 20px;">  <p>Initial mode</p> </div>

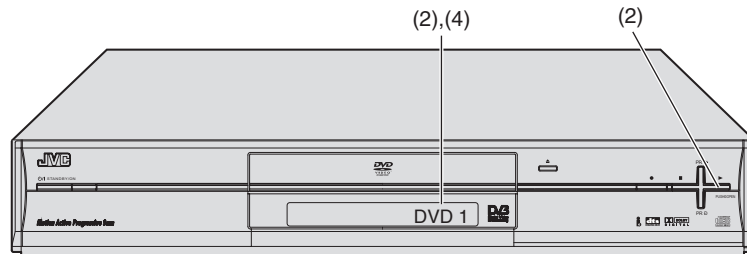
When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs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

< Changing Remote Control Code >

- (1) 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.
- (2) 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.
- (3) While keeping the state of (2), press the "STOP" button of the remote control unit toward the main body.
- (4) The code that was set by the remote control unit blinks for 5 seconds, before the code is set to the main body.
When the FL indicator changes to "DVD1," it shows that the remote control code has been changed to "1."



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

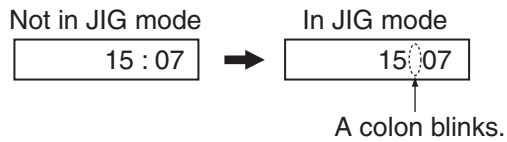


5.1.1 Setting JIG mode

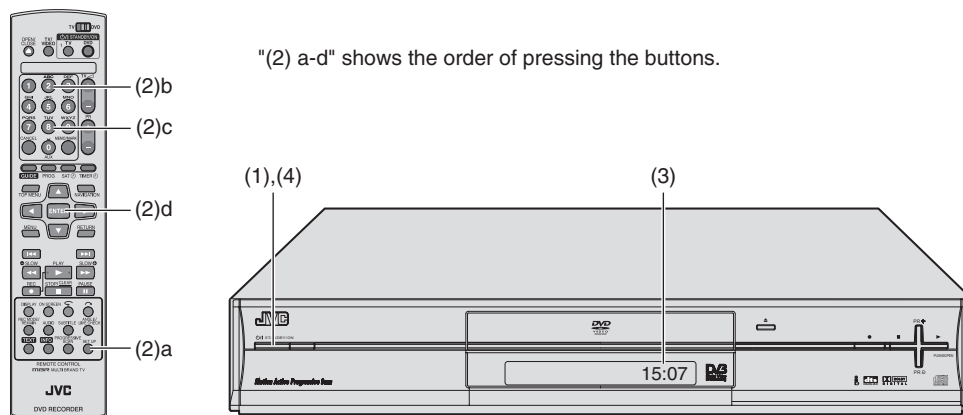
To display SYSTEM INFO or to upgrade firmware, the main body needs to be set to JIG mode.

- (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]



- (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.



5.1.2 Canceling JIG mode

- (1) Transmit "43-9D" to the main body by using JIG remote control unit.
(Please end a setting menu pushing "SET UP" button of the remote control unit appended to the commodity beforehand when a setting menu is displayed.)
- (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:

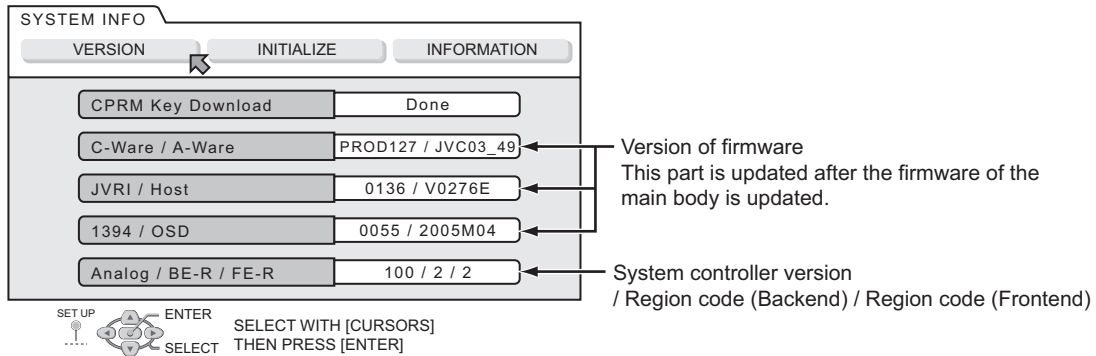
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

5.2 Displaying SYSTEM INFO

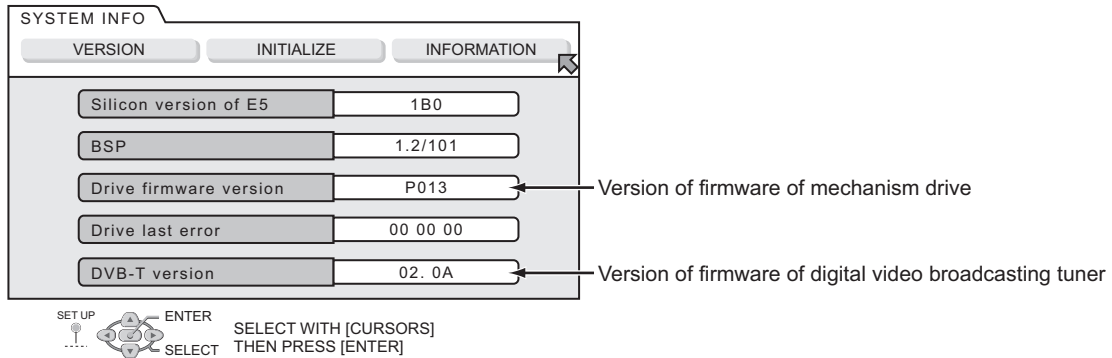
In the SYSTEM INFO there is information including firmware versions of the main body and the drive unit.

- (1) Set the main body to JIG mode.
- (2) Transmit "43-8B" to the main body by using JIG remote control unit.
(Please end a setting menu pushing "SET UP" button of the remote control unit appended to the commodity beforehand when a setting menu is displayed.)
- (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 >



< INFORMATION >



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.

5.3 Updating the firmware of the main body or digital video broadcasting tuner

- Firmware update disk supports CD-R media.
- When firmware update is necessary, information is available from the homepage of DIGITAL VIDEO STORAGE CATEGORY, CS group.
- Please check the details of the update disc creation method by JS-NET.
 - (1) Set the main body to JIG mode.
 - (2) Transmit "43-70" to the main body by using JIG remote control unit.
 - (3) "UPDATE" appears in FL indicator. Load disk for update on the tray, and close the tray.
 - (4) Update processing is started automatically.
 - (5) Then, "FW UPDATE" appears in FL indicator. It takes approx. **3 minutes** at maximum to update firmware.
 - (6) The tray is ejected. Then, take out the disk and close the tray.
 - (7) Turn the main body OFF, and pull out the power cord from the wall socket. Then, plug the power cord into the wall socket.
 - (8) "PLEASE" and "WAIT" blink alternately and it is displayed in FL indicator. Then, turn the main body ON.
 - (9) Display the SYSTEM INFO menu, and check the version of the firmware.
 - (10) Cancel JIG mode.

ATTENTION :

Firmware may sometimes not be update successfully.

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

If firmware is update 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 update 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. Update starts.
- (3) The following procedures are the same as a usual update.

5.4 Updating the firmware of the drive unit

- Firmware update disc supports only DVD-RAM media.
- When firmware update is necessary, written discs are distributed by DIGITAL VIDEO STORAGE CATEGORY, CS group.
 - (1) Turn the main body ON.
 - (2) Load the update DVD-RAM disc on the tray and close the tray.
 - (3) "READING" is displayed in the FL indicator and the update is started.
 - (4) In a short while "READING" in the FL indicator disappears, open the tray to remove the disc and close the tray.
 - (5) Turn the power OFF and pull out the power cord from the wall socket, then plug the power cord into the wall socket again.
 - (6) Set to the JIG mode and check the firmware version of the drive.

5.5 Setting after the drive unit replacement

When the drive unit is replaced, it is necessary to set a region code. Service drive units for replacement are not set for any region code, and they are in an indefinite condition.

Make sure to set region code after attaching the drive unit to the main body.

Without the setting of the region code, discs that have regions cannot be played back.

- (1) Replace a drive 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) "2 REGION" 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.

5.6 Taking out a disc

5.6.1 Method 1

There is compulsive tray ejection mode by electric operation.

- (1) AC Plug is pulled out at once and inserted again.
- (2) It is displayed on FL display as "PLEASE" and "WAIT" blink alternately, 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 tray is pushed, and a tray is made to close.
- (5) "PLEASE" and "WAIT" blink alternately and it is displayed in FL indicator, and it will be in a standby state.
- (6) If the POWER button is pushed, it will usually be operating.

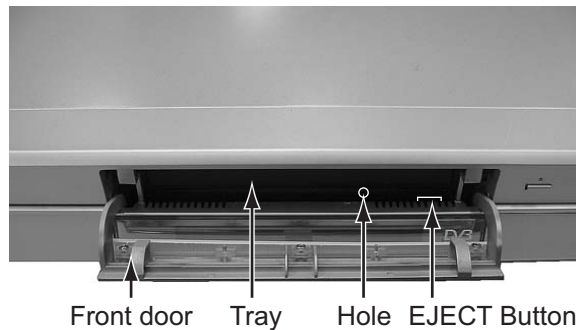
5.6.2 Method 2

When the disc cannot be removed by operating above "Method 1", open the front door of the main body manually and directly press the EJECT button located in the lower right of the drive unit.

5.6.3 Method 3

When neither "Method 1" nor "Method 2" can remove the disc, the tray can be ejected mechanically without turning the power on.

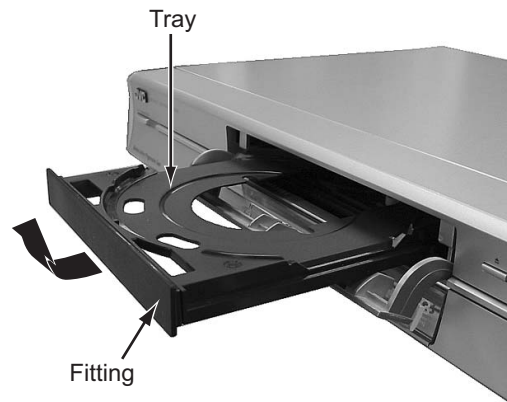
- (1) Open the front door of the main body manually.
- (2) Insert a fine wire (e.g. a straightened paper clip) into the hole in the lower part of the tray of the drive unit.
- (3) As the tray ejects a little, pull out the tray manually.



5.7 Exchanging the fitting

As the fitting that comes with the service drive unit cannot be used, make sure to attach a service fitting when the drive unit is exchanged. The fitting that is removed from the old drive unit can be attached to the new drive unit.

The fitting can be removed by pulling upwards while opening out the lower part of the fitting outwards.



5.8 Initialization to the factory shipment state

When the initialization is operated, internal information changes as follows. It is essential to obtain the client's permission before the operation.

- All DVD library is all deleted.
- All the DVD initial settings go back to the initial status.
 - (1) Set to the JIG mode.
 - (2) Transmit "43-6F" with the JIG remote control unit.
 - (3) FL indicator displays "FACTORY", and changes to "CHECK OK" after blinking for a short while.
 - (4) Pull out the power code from the wall socket.
 - (5) The JIG mode is forced to cancel at the same time with the initialization, check whether the JIG mode is canceled by plugging the power code into the wall socket again. (The colon ":" in time display should be continuously ON, not blinking.)
If the JIG mode is not canceled, transmit "43-9D" with JIG remote control unit to cancel the JIG mode.

5.9 When it is displayed in FDP, 'RESETTING'

When the following operations are carried out, "RESETTING" is displayed in the FDP of the main body.

- (1) When the "POWER" button and the "STOP" button of the main body are pressed at the same time
- (2) When the code "9B" is transmitted to the main body by using JIG remote control unit
- (3) When transmission failure occurs between the main CPU and the DVD host CPU due to defect

If "RESETTING" is displayed in the FDP after the power code is plugged into the outlet, check the followings.

- The peripheral circuitry of each microcomputer
- Whether the wire between the DVD drive and the board is properly connected
- Whether the wire between the main board and the digital board is properly connected



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.YD073)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

DVD VIDEO RECORDER

DR-M150SEK

CD-ROM No.SML200507

Area Suffix

EK U.K.



Digital Video
Broadcasting

Trade Mark of the DVB Digital Video Broadcasting
Project (1991 to 1996) Number : 3546




DR-M150SEK [D5R10]

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.

- All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- All capacitance values are in μ F, (P: PF).
- All inductance values are in μ H, (m: mH).
- 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

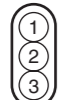
AUX : Active at high.

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

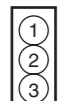
3. Interpreting Connector indications



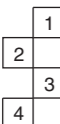
Removable connector



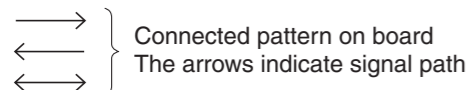
Wire soldered directly on board



Non-removable Board connector



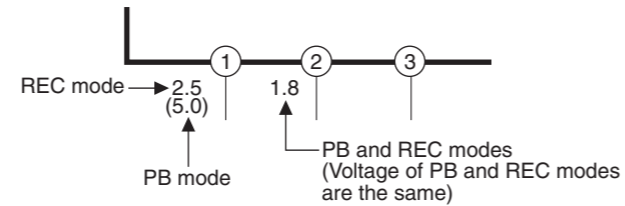
Board to Board



Connected pattern on board
The arrows indicate signal path

4. Voltage measurement

- Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 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

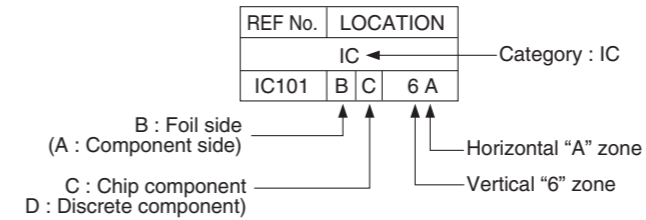
1. Foil and Component sides

- Foil side (B side) :
Parts on the foil side seen from foil face (pattern face) are indicated.
- 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.



Wiring diagram

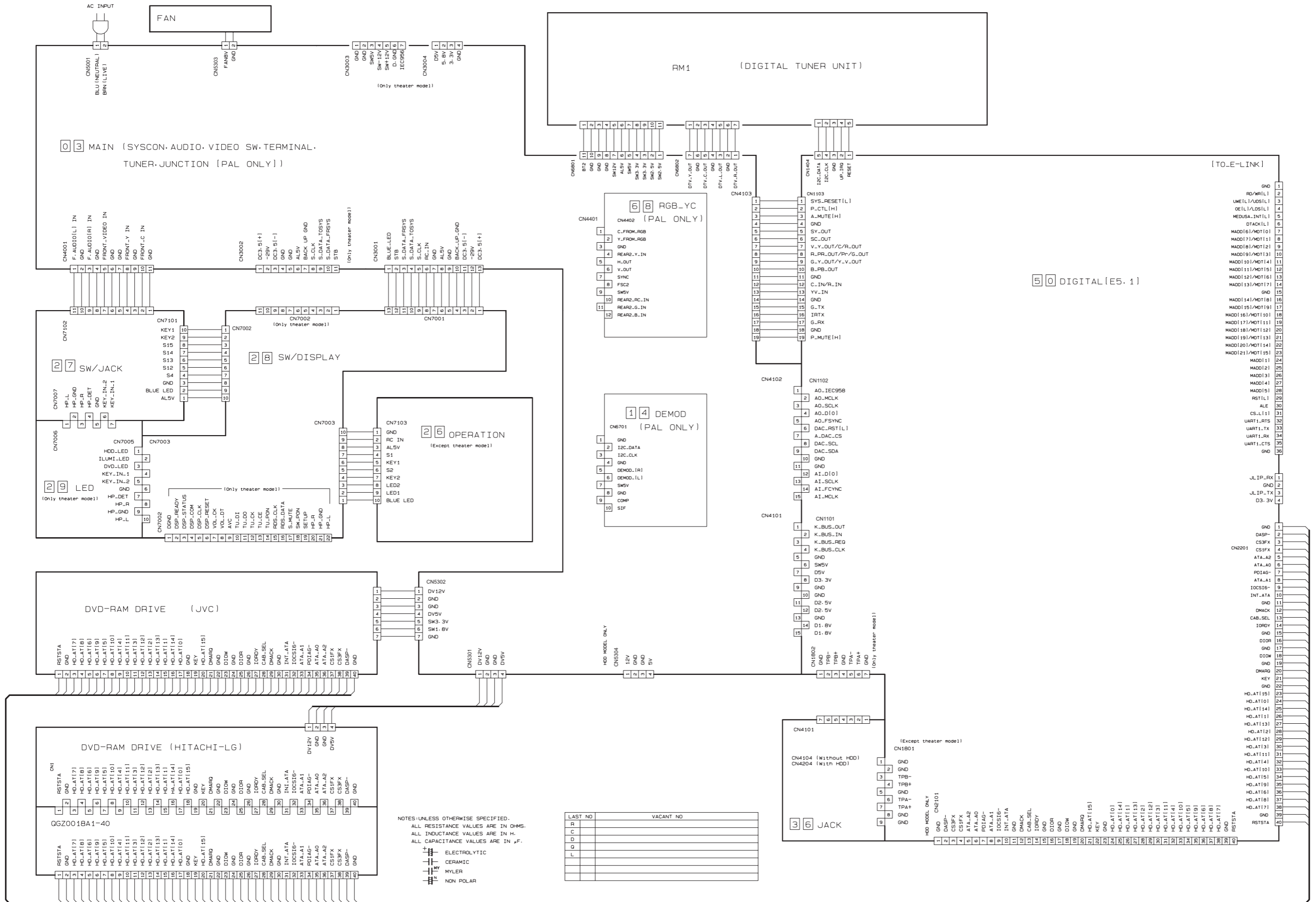
5

4

3

2

1



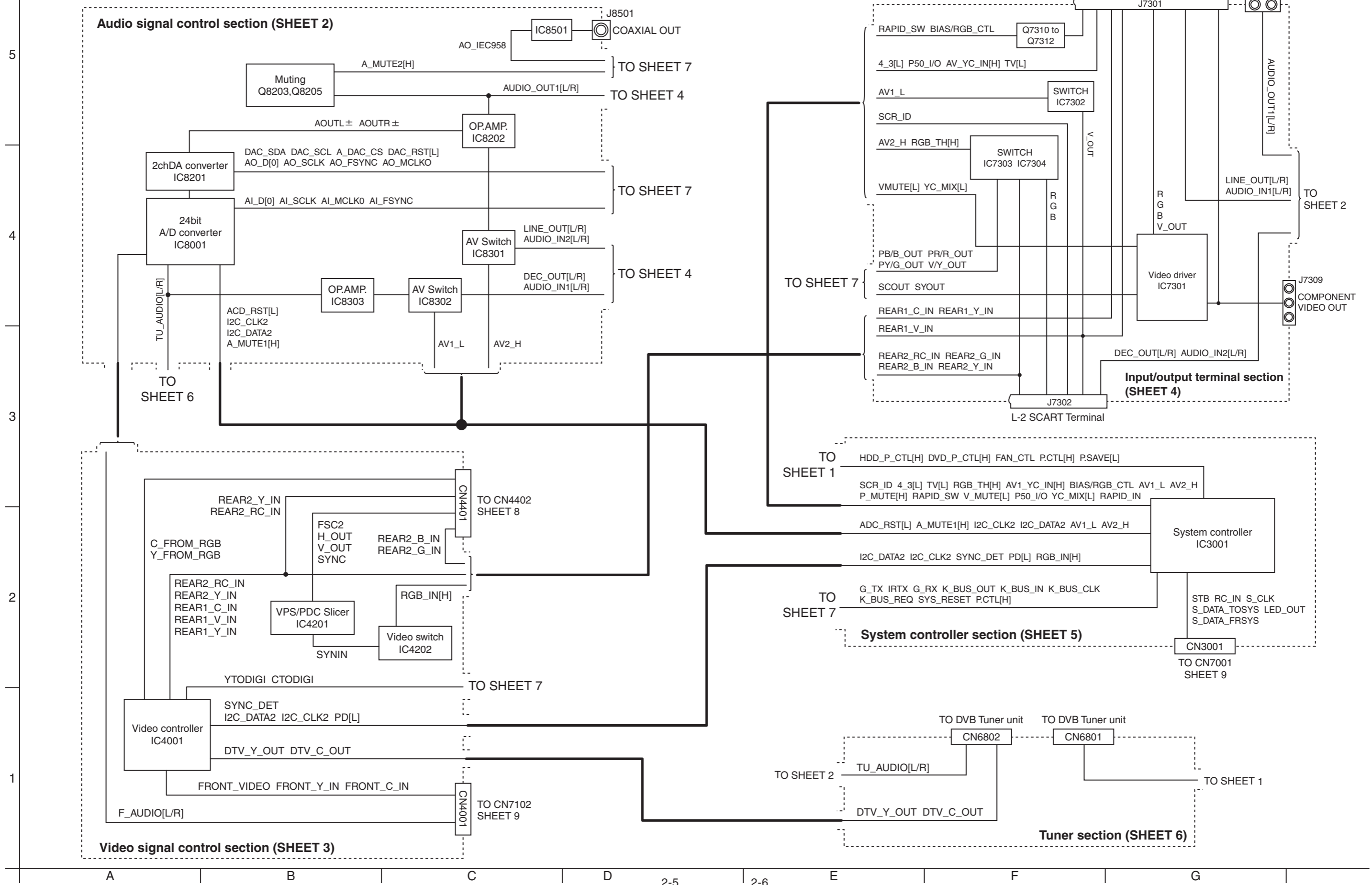
NOTES: UNLESS OTHERWISE SPECIFIED,
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN µF.

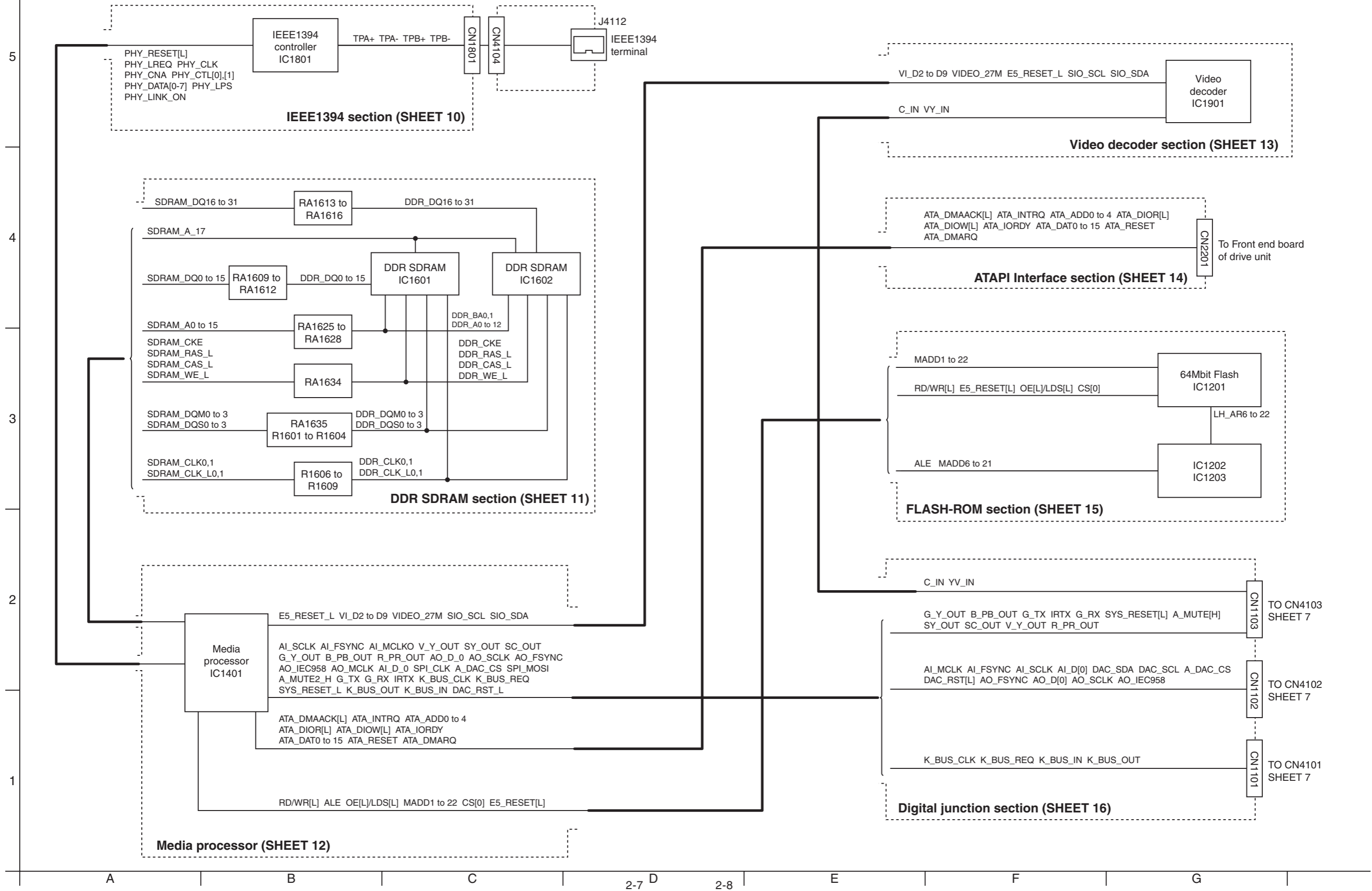
ELECTROLYTIC
 CERAMIC
 MYLER
 NON POLAR

LAST NO	VACANT NO
R	
C	
D	
G	
L	

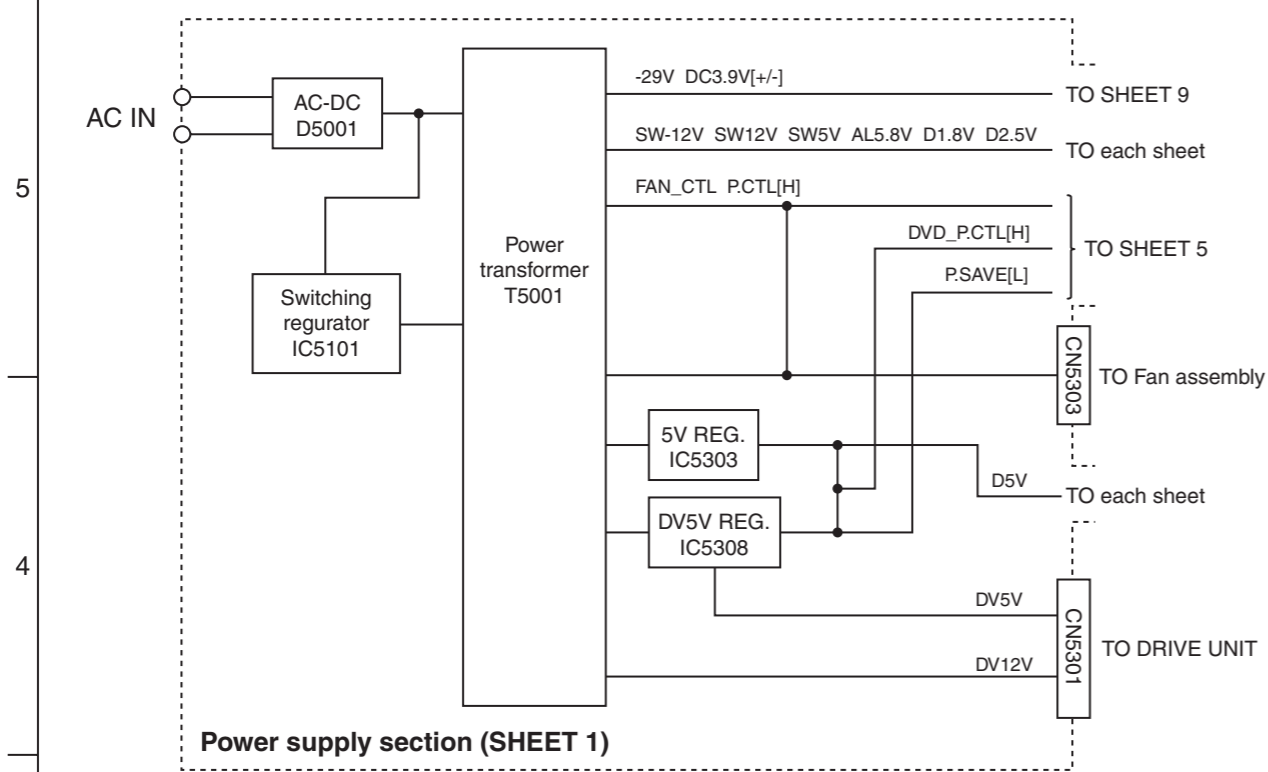
Block diagrams

■ MAIN 0 3

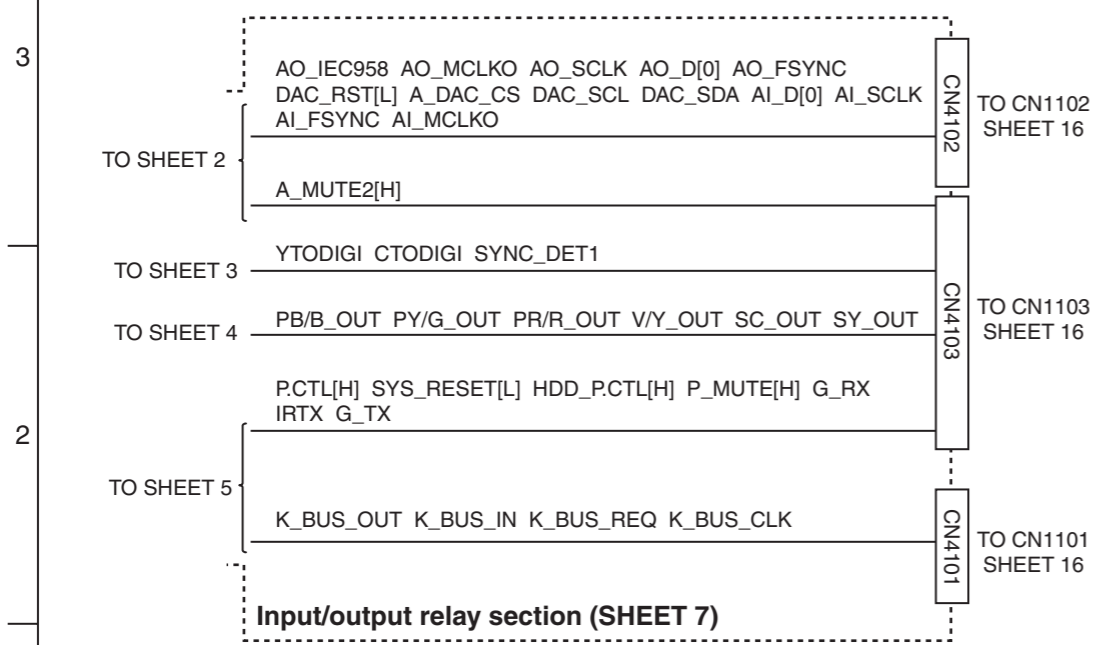




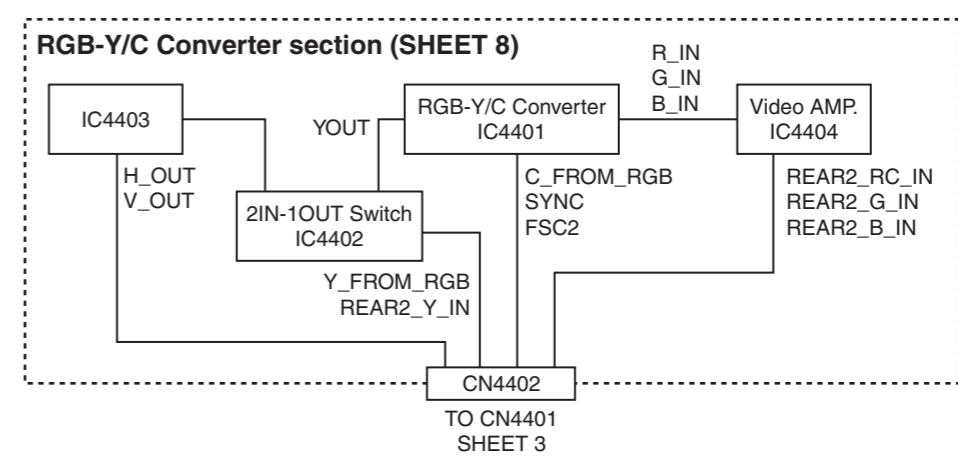
■ MAIN 03



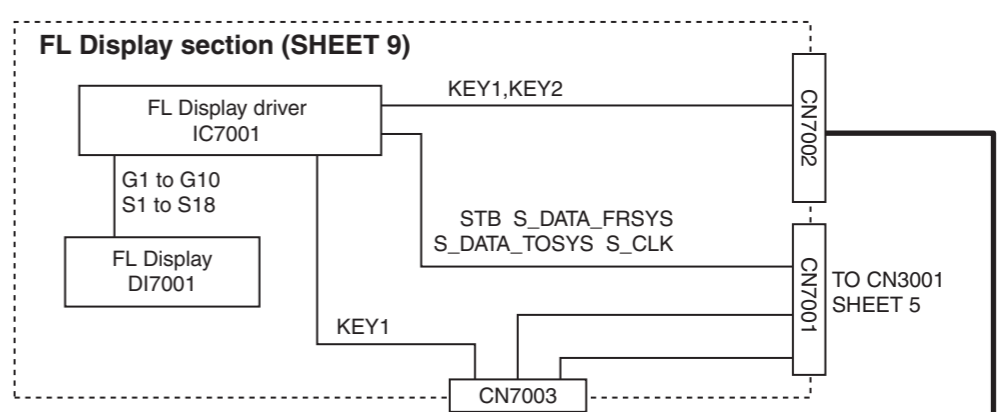
■ MAIN 03



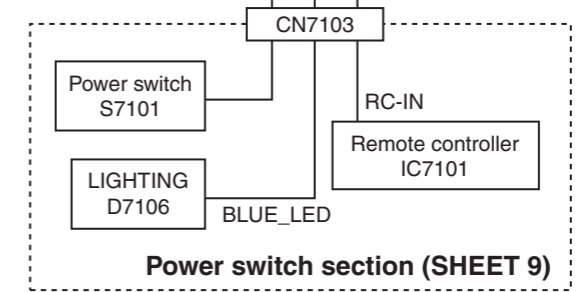
■ RGB_YC 68



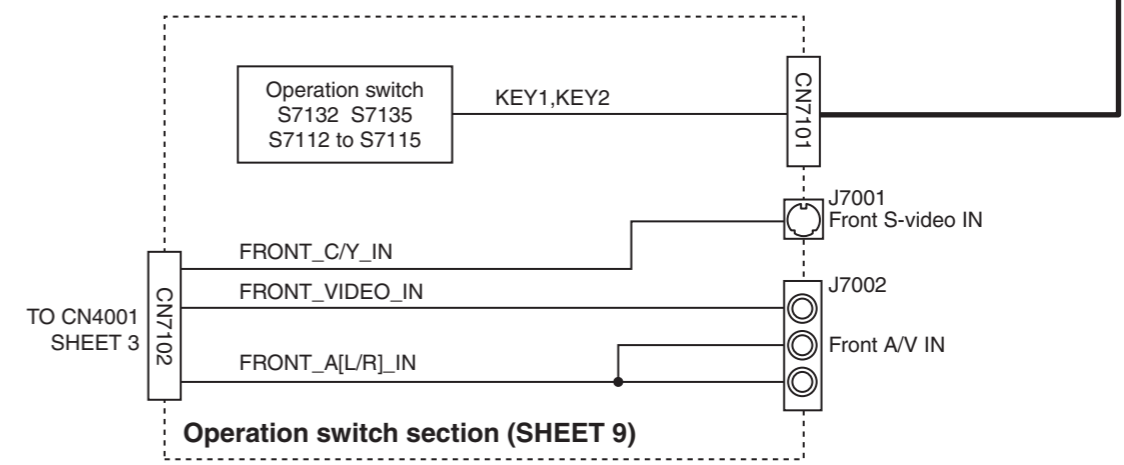
■ DISPLAY 28



■ OPERATION 26

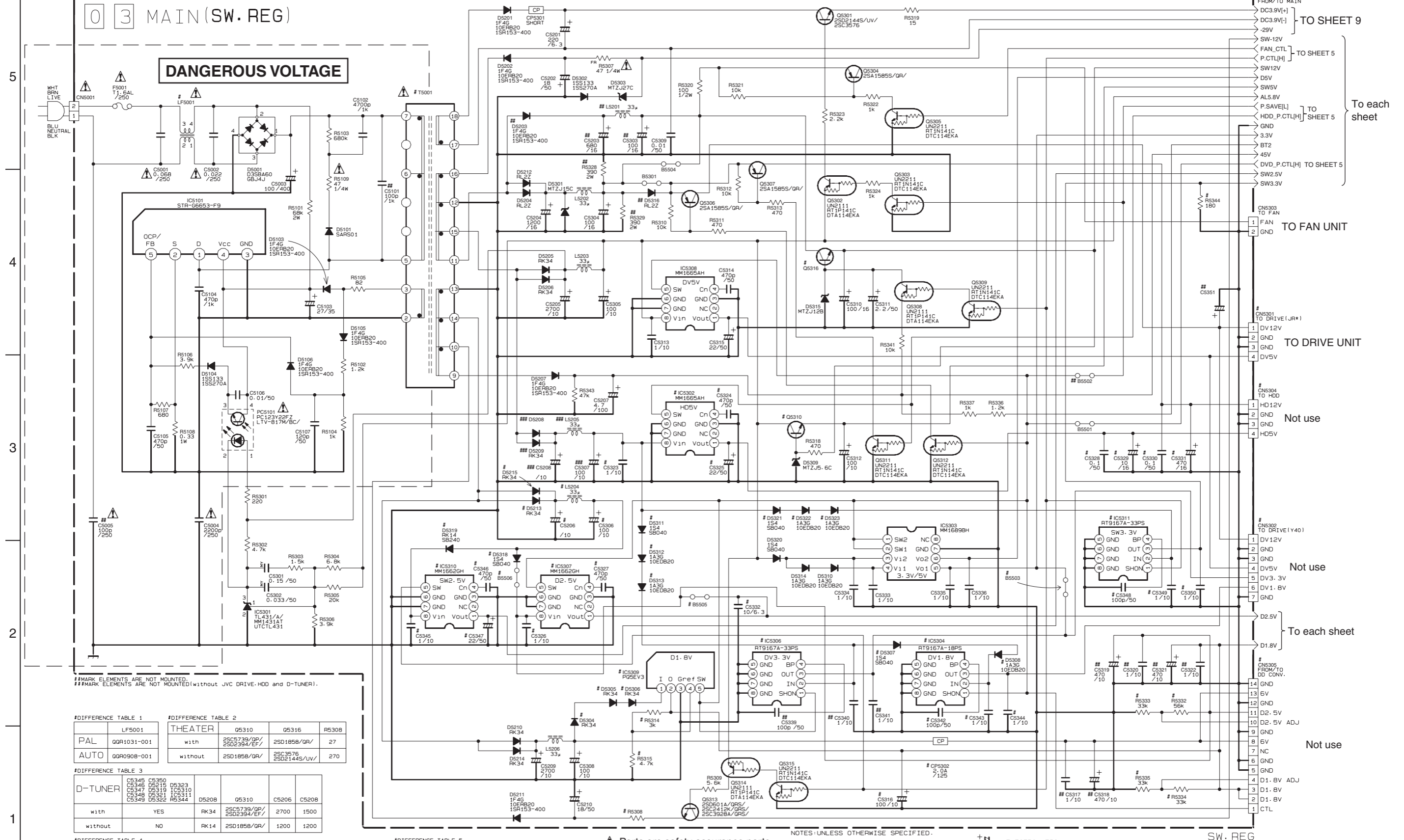


■ SW/JACK 27



Standard schematic diagrams

Power supply section



MARK ELEMENTS ARE NOT MOUNTED.
 MARK ELEMENTS ARE NOT MOUNTED (without JVC DRIVE-HDD and D-TUNER).

#DIFFERENCE TABLE 1

	LF5001
PAL	00R1031-001
AUTO	00R0908-001

#DIFFERENCE TABLE 2

	THEATER	05310	05316	R5308
with	2SC5739/QP/ 2SD2394/EF/	2SD1858/QR/	27	
without	NO	RK14	1200	1200

#DIFFERENCE TABLE 3

	C5345	C5350	D5208	05310	C5206	C5208	
D-TUNER	C5346	D5215	D5323	C5347	D5319	IC5310	
with	YES	YES	YES	RK34	2SC5739/QP/ 2SD2394/EF/	2700	1500
without	NO	NO	NO	RK14	2SD1858/QR/	1200	1200

#DIFFERENCE TABLE 4

	HDD	B5503	C5326	D5304	IC5309	T5001
with	YES	NO	NO	RK34	00S0334-001	
without	NO	YES	YES	RK14	00S0333-001	

#DIFFERENCE TABLE 5

	DVD DRIVE	CN5301	C5342	D5308
JVC	NO	YES	C5343	D5311
JR*	YES	NO	C5344	D5312

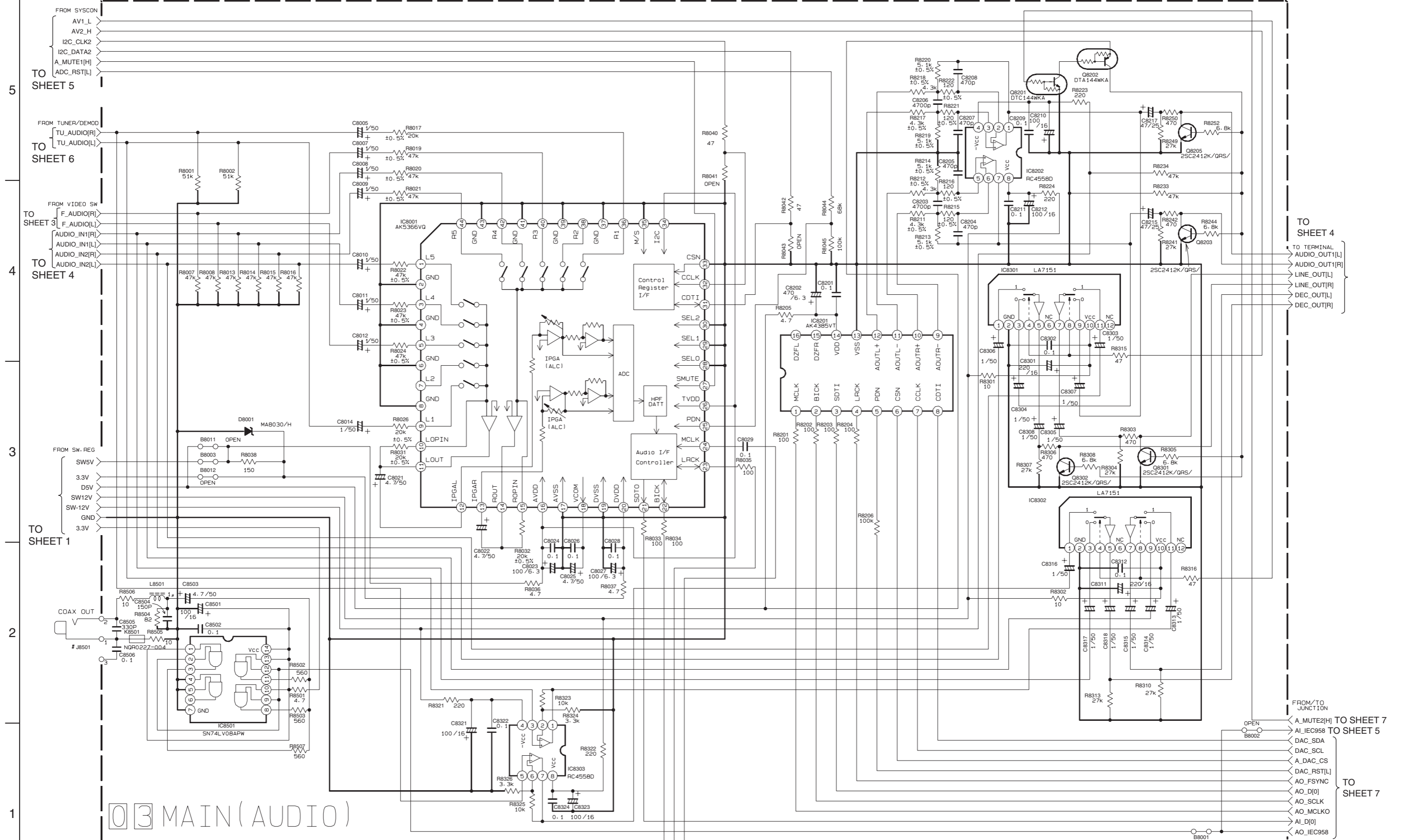
* Refer to the "JR*" column of a table for this model.

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

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

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.

ELECTROLYTIC
 CERAMIC
 MYLER
 NON POLAR

AL_SCLK
 AL_FSYNC
 AL_MCLK0
 TO SHEET 7

AUDIO

FROM/TO JUNCTION
 A_MUTE2[H] TO SHEET 7
 AI_IEC958 TO SHEET 5
 DAC_SDA
 DAC_SCL
 A_DAC_CS
 DAC_RST[L]
 AO_FSYNC
 AO_D[0]
 AO_SCLK
 AO_MCLK0
 AI_D[0]
 AO_IEC958
 TO SHEET 7

p20496001a_rev0
SHEET 2

Video signal control section

5 TO SHEET 1
TO REG SWVY GND
FROM SYSICON
I2C_CLK2
I2C_DATA2
GND
SEPA_IN[H]
PD[L]

4 TO SHEET 7
TO_TERMINAL YTDIGI CTDIGI

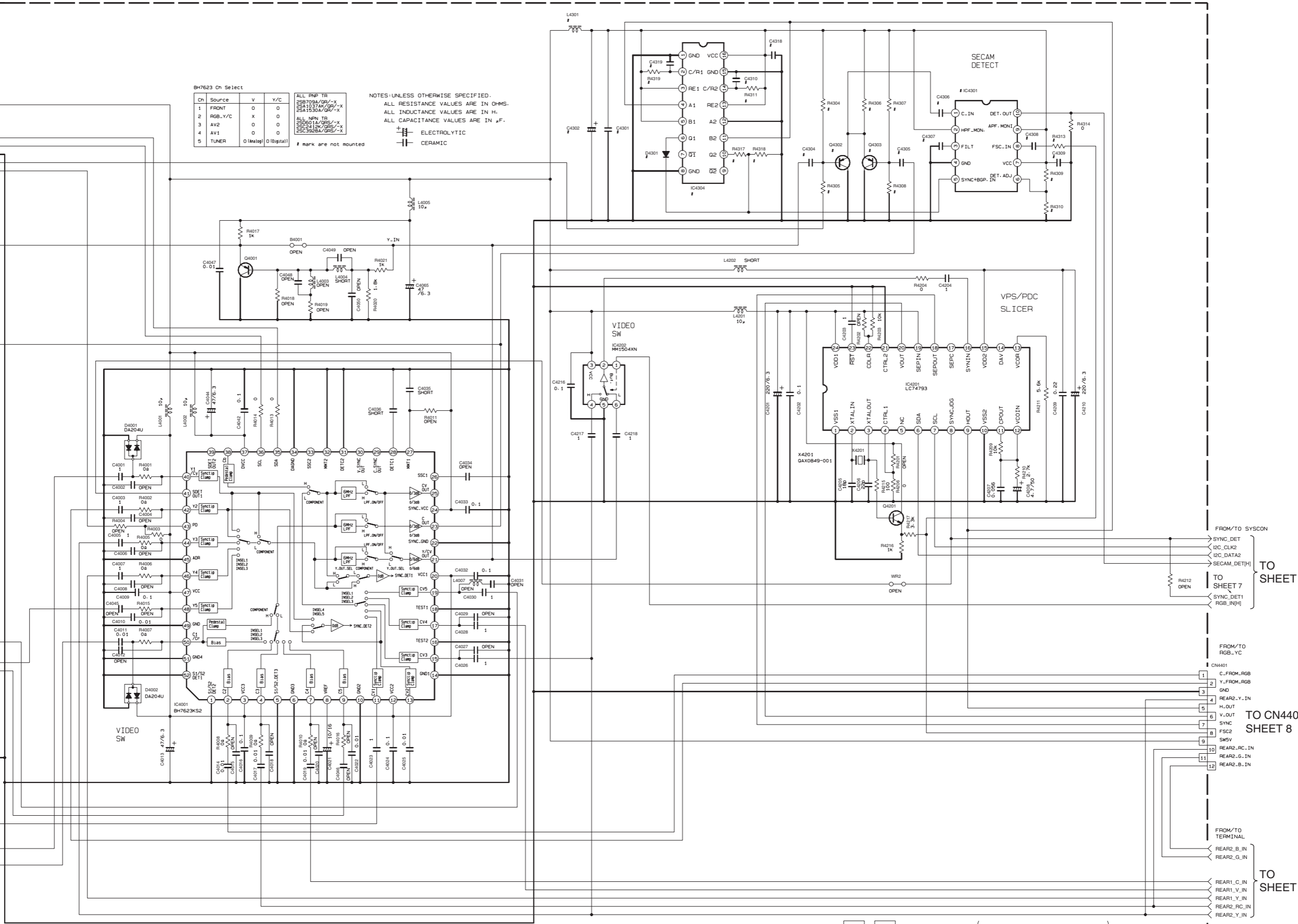
3

2 TO SHEET 6
FROM TUNER
TU_VIDEO
FROM DTV TUNER
DTV_Y_OUT
DTV_C_OUT

1 TO SHEET 2
TO AUDIO
F_AUDIO[R]
F_AUDIO[L]
GND
CN4001
1 F_AUDIO[L]
2 GND
3 F_AUDIO[R]
4 GND
5 FRONT VIDEO
6 GND
7 GND
8 FRONT Y IN
9 GND
10 FRONT C IN
11 GND
TO CN7102 SHEET 9

BH7623 Ch Select			
Ch	Source	V	Y/C
1	FRONT	0	0
3	RGB-Y/C	X	0
4	AV2	0	0
5	AV1	0	0
	TUNER	0 (Analog)	0 (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



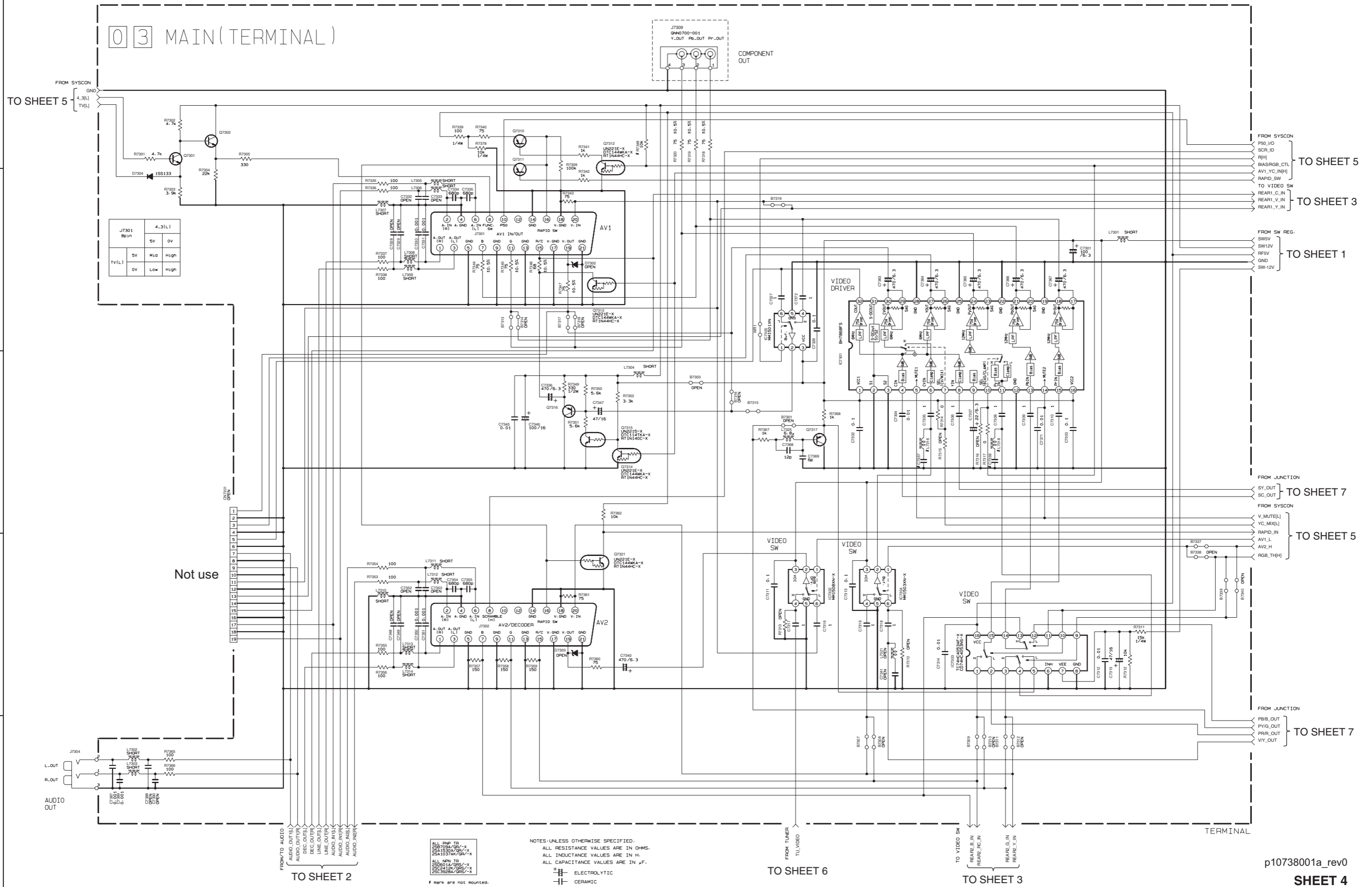
FROM/TO SYSICON
SYNC_DET
I2C_CLK2
I2C_DATA2
SECAM_DET[H]
TO SHEET 5

FROM/TO RGB-YC
CN4401
1 C_FROM_RGB
2 Y_FROM_RGB
3 GND
4 REAR2_Y_IN
5 H_OUT
6 V_OUT
7 SYNC
8 FSC2
9 SWVY
10 REAR2_RC_IN
11 REAR2_G_IN
12 REAR2_B_IN
TO CN4402 SHEET 8

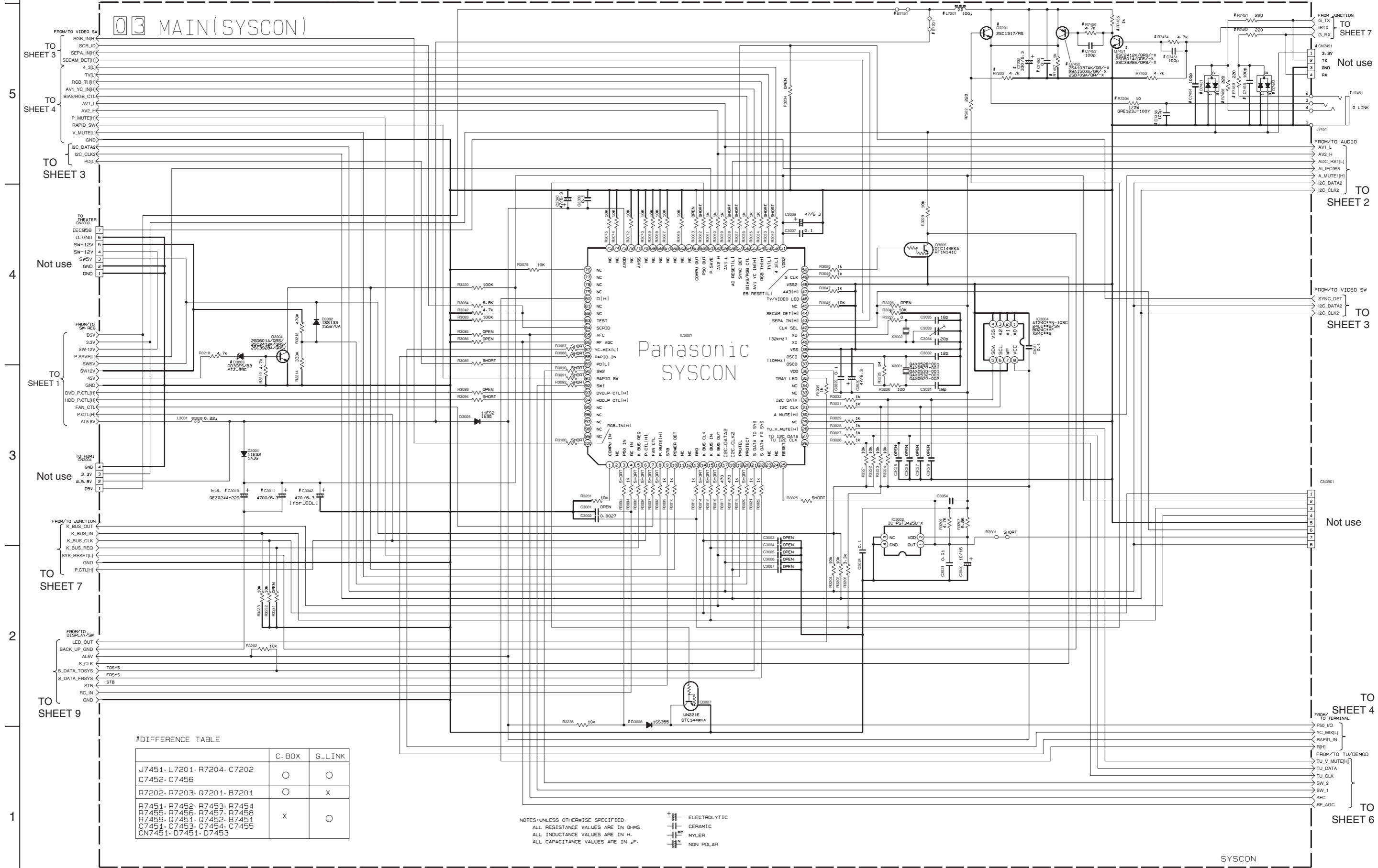
FROM/TO TERMINAL
REAR2_B_IN
REAR2_G_IN
REAR2_Y_IN
TO SHEET 4

0 3 MAIN(VIDEO SW)

Input/output terminal section



System controller section



#DIFFERENCE TABLE

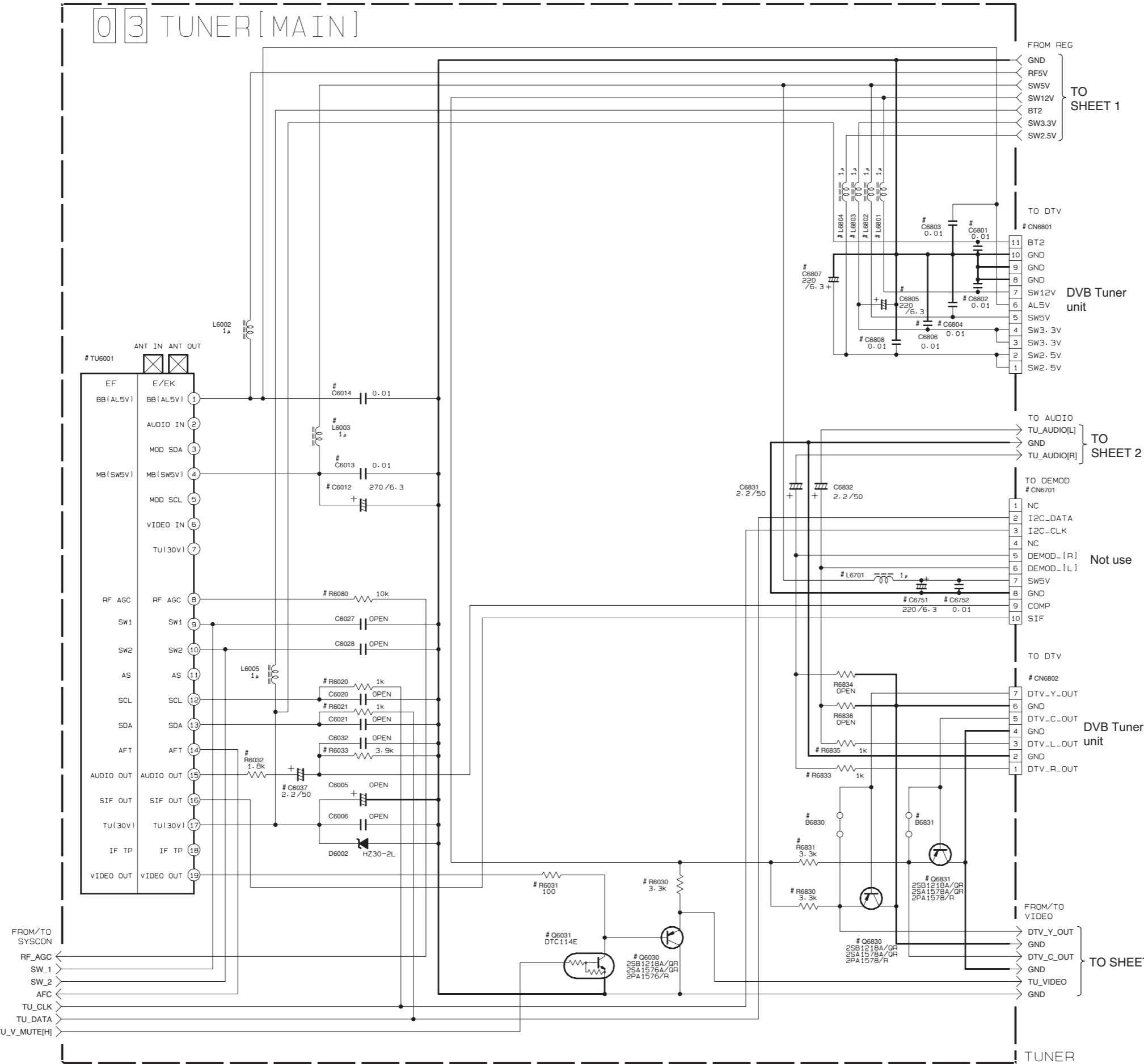
	C. BOX	G-LINK
J7451, L7201, R7204, C7202 C7452, C7456	○	○
R7202, R7203, Q7201, B7201	○	X
R7451, R7452, R7453, R7454 R7455, R7456, R7457, R7458 R7459, Q7451, Q7452, B7451 C7451, C7453, C7454, C7455 CN7451, D7451, O7453	X	○

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

RESISTOR
 CAPACITOR
 DIODE
 IC
 INDUCTOR
 ELECTROLYTIC
 CERAMIC
 MYLAR
 NON POLAR

Tuner section

03 TUNER[MAIN]



DIFFERENCE TABLE

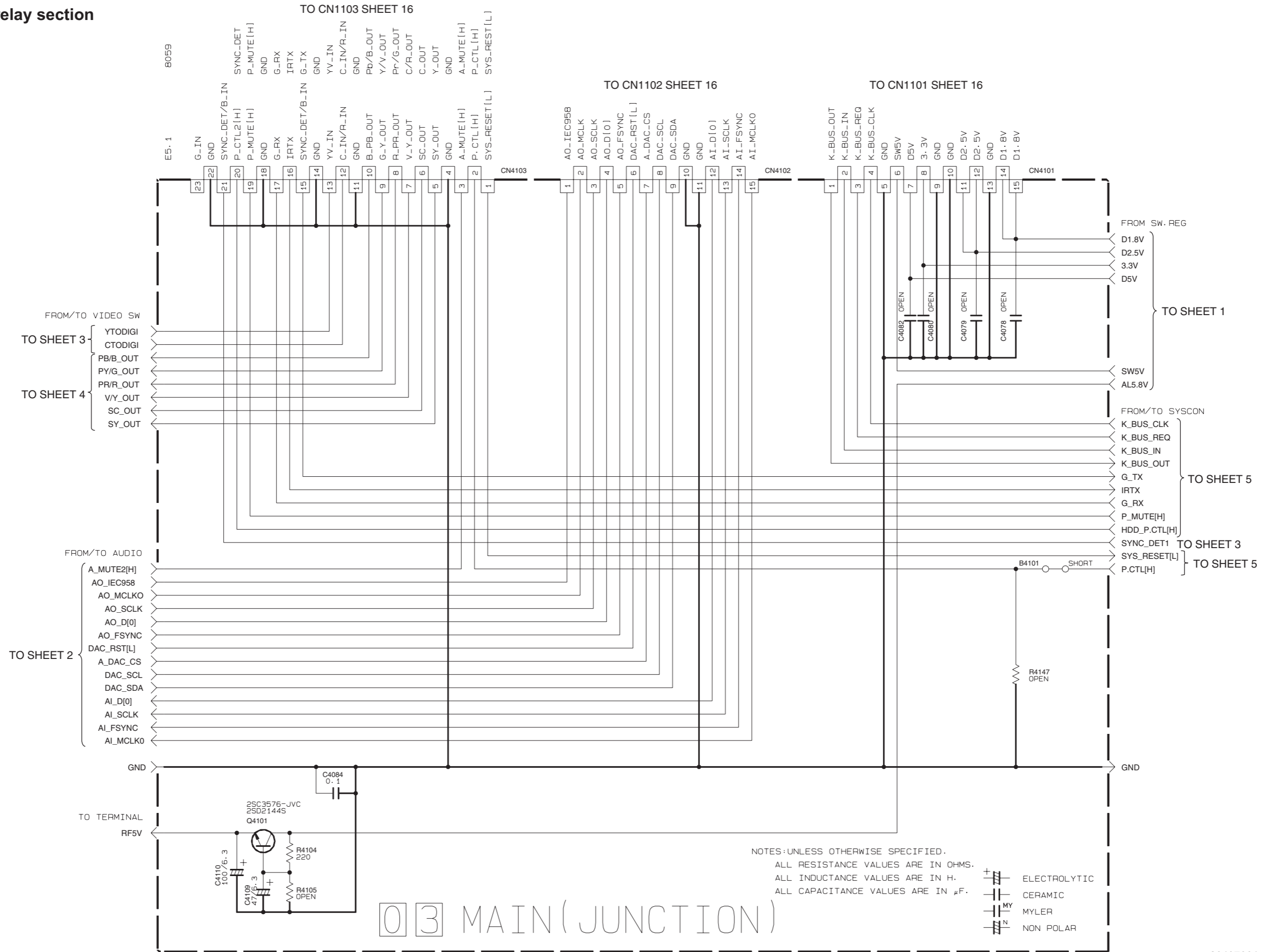
FUNCTION	SYMBOL	M100		M150
		EZ/ER/EL EU/EK/EY /AA/AG	EF	
ANALOG TUNER				
TUNER	TU6001	SAMSUNG GAU0401	SAMSUNG GAU0402	×
BB(AL5V)	C6014	○	○	×
MB(SW5V)	L6003	○	○	×
	C6012	×	○	×
	C6013	○	○	×
RF AGC	R6080	○	○	×
SCL	R6020	○	○	×
SDA	R6021	○	○	×
AUDIO OUT	R6032 R6033 C6037	×	○	×
VIDEO OUT	R6030 R6031 G6030	○	○	×
VIDEO MUTE	G6031	×	×	×
DEMOD				
VCC	L6701	○	○	×
	C6751	×	×	×
	C6752	×	×	×
DEMOD UNIT	CN6701	○	○	×
DIGITAL TUNER				
REG	CN6801	×	×	○
BT2	C6801	×	×	×
SW12V	L6801	×	×	○
	C6802	×	×	×
AL5V	C6803	×	×	×
SW5V	L6802	×	×	○
	C6804	×	×	×
SW3.3V	L6803	×	×	○
	C6805	×	×	×
	C6806	×	×	×
SW2.5V	L6804	×	×	○
	C6807	×	×	×
	C6808	×	×	×
SIGNAL	CN6802	×	×	○
Y OUT	R6830 G6830	×	×	×
	B6830	×	×	○
C OUT	R6831 G6831	×	×	×
	B6831	×	×	○
L OUT	R6835	×	×	○
R OUT	R6833	×	×	○

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

Input/output relay section

5
4
3
2
1



JUNCTION

A B C D E F G

■ RGB-Y/C Converter section

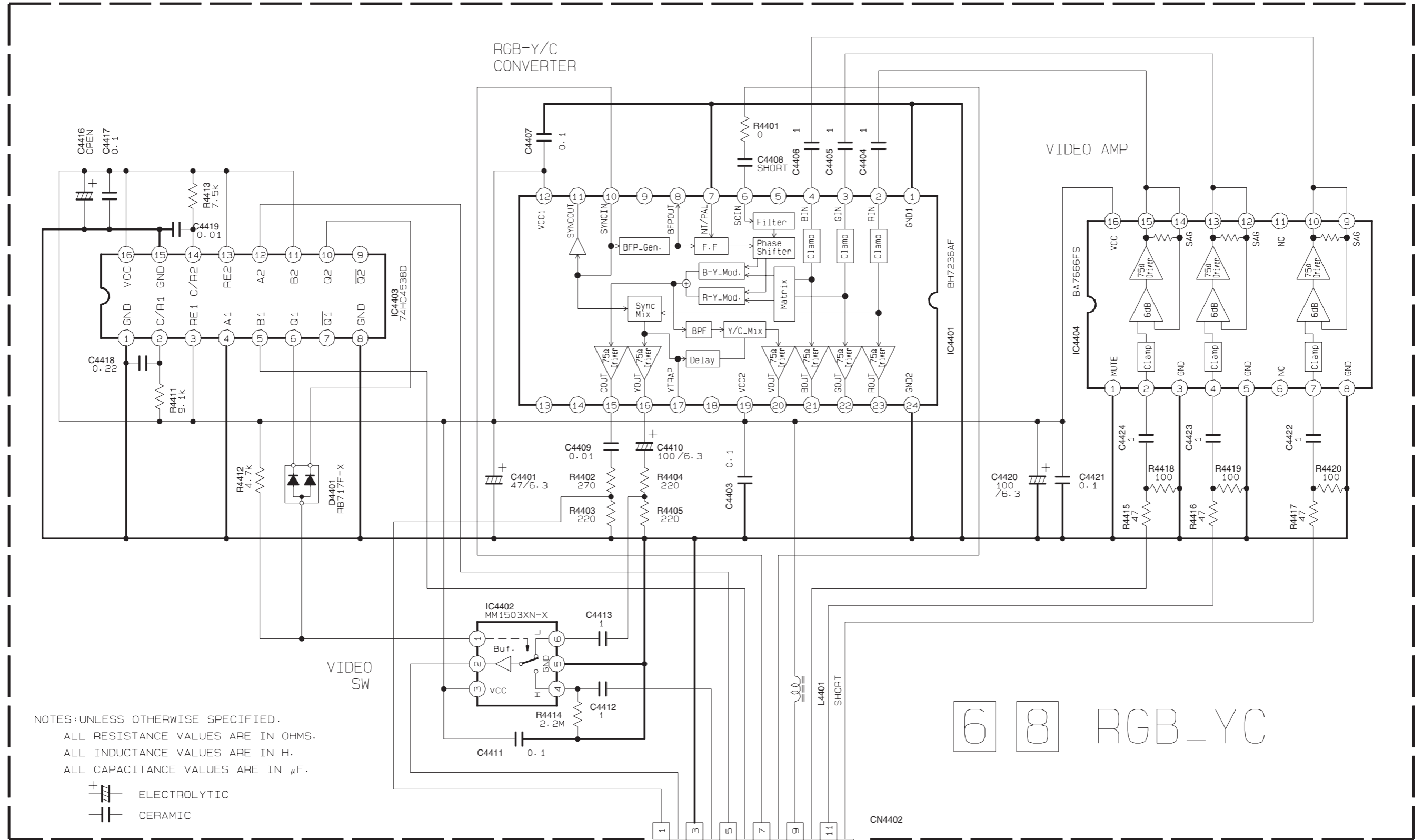
5

4

3

2

1



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

ELECTROLYTIC
 CERAMIC

6 8 RGB_YC

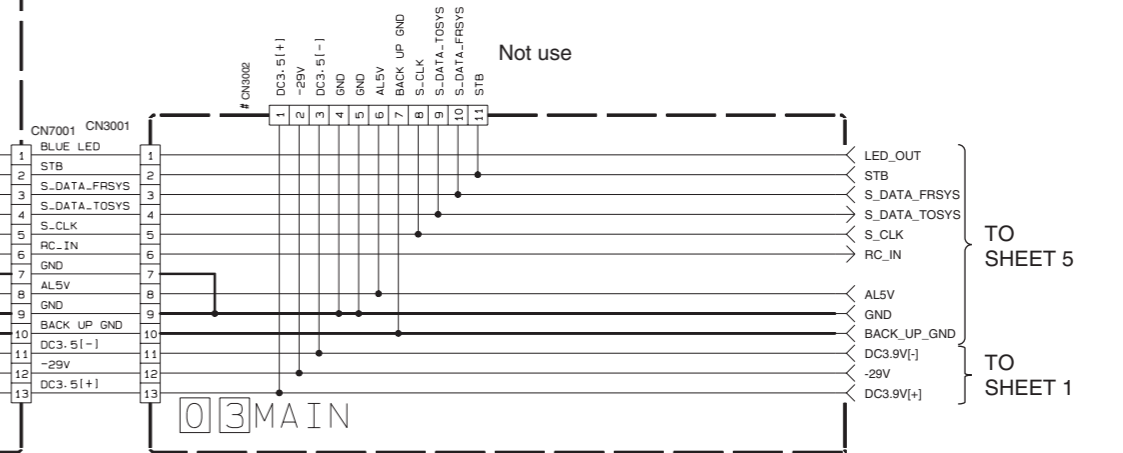
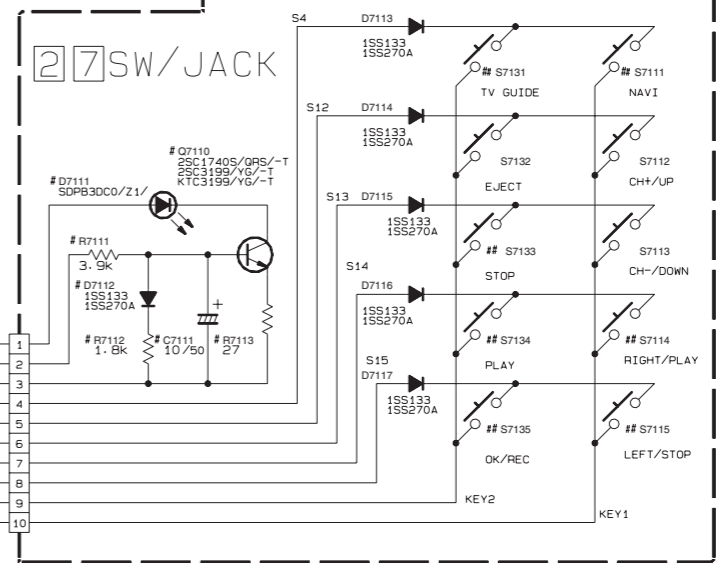
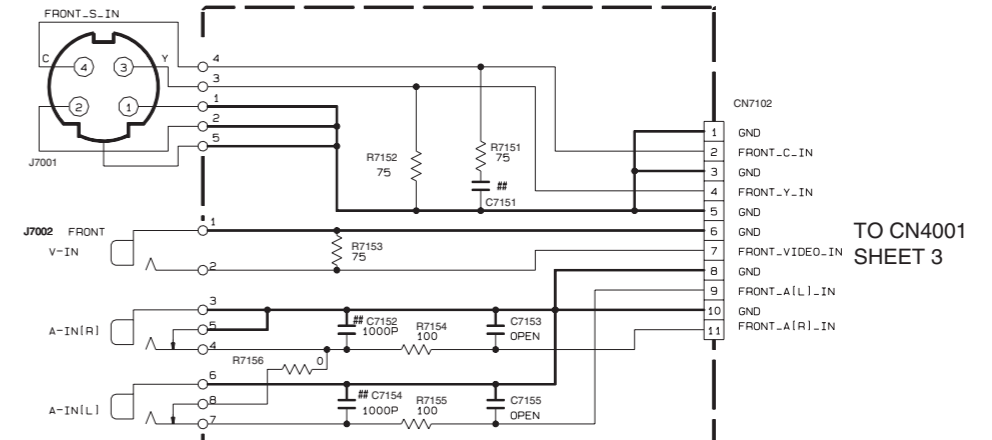
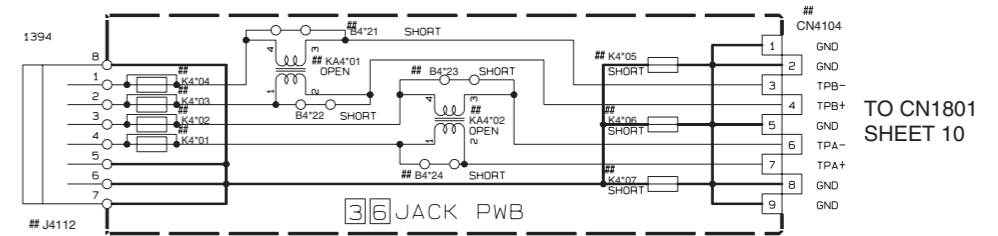
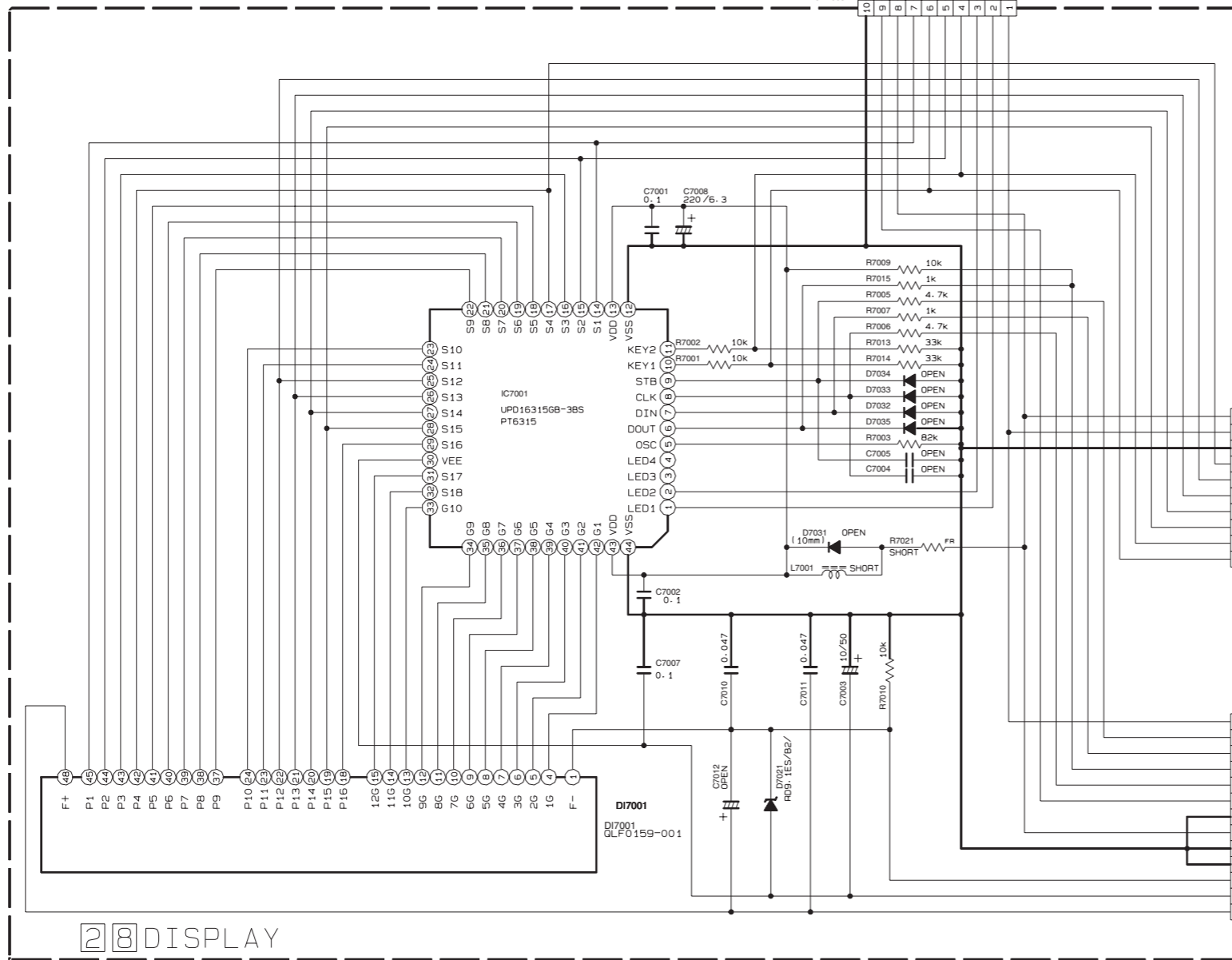
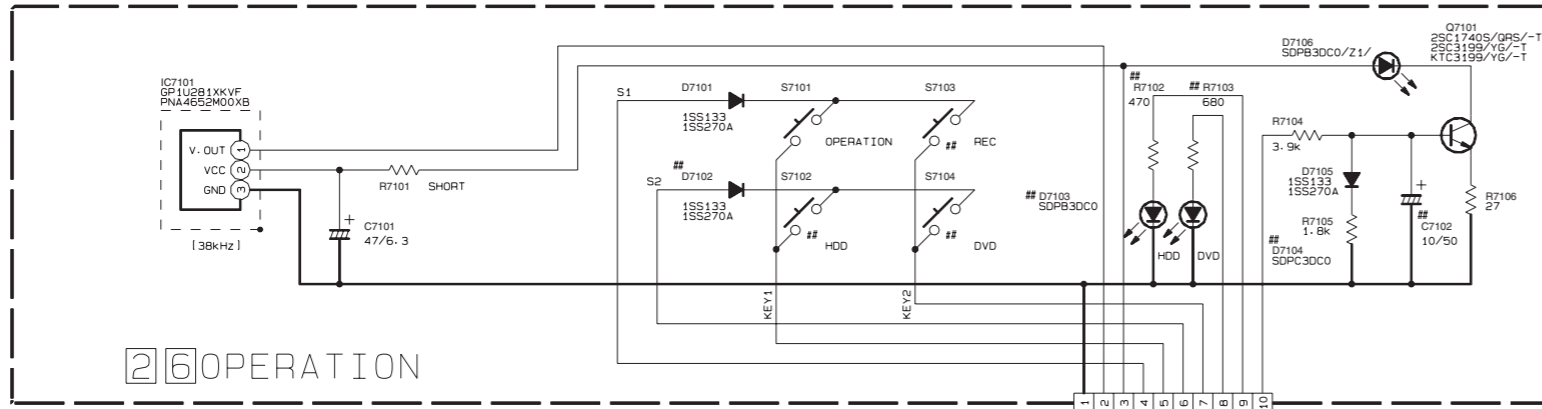
FROM/TO MAIN

C-FROM_RGB
 Y-FROM_RGB
 GND
 REAR2-Y-IN
 H-OUT
 V-OUT
 SYNC
 FSC2
 SW5V
 REAR2-PC-IN
 REAR2-G-IN
 REAR2-B-IN

TO CN4401
 SHEET 3

RGB_YC

FL Display and operation switch section



Parts are not attach

DIFFERENCE TABLE

	S7102	S7103	S7104	S7111	S7114	S7115	S7131	S7133	S7134	S7135	C7102	R7102, R7103, D7102, D7103, D7104.	36 JACK PWB
M100	X	X	X	X	PLAY	STOP	X	X	X	REC	X	X	No. 4100 ##
M150													No. 4200 ##
MH300	HDD	REC	DVD	NAVI	RIGHT	LEFT	TV GUIDE	STOP	PLAY	OK	O	O	

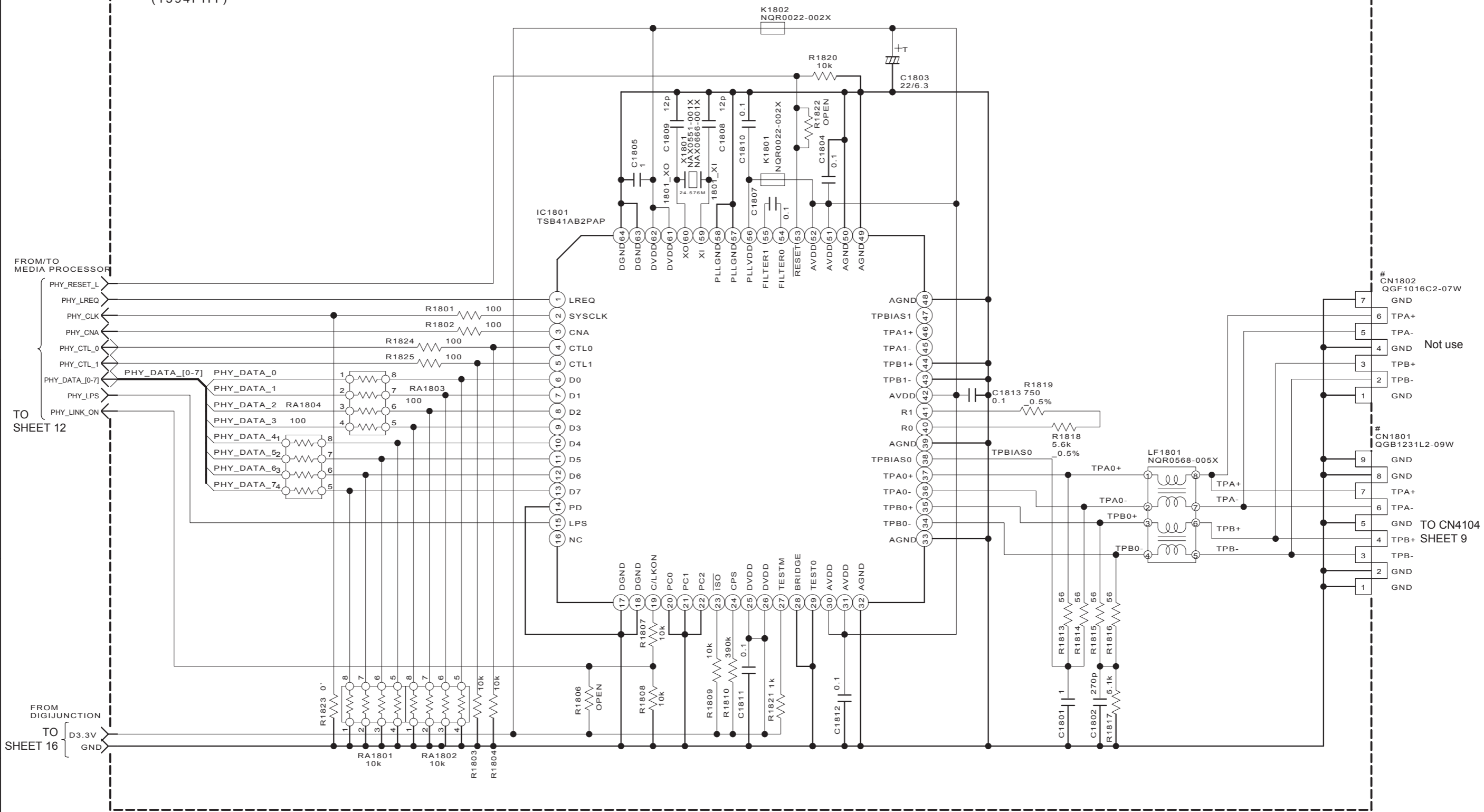
		C7151	C7152, C7154
NTSC	JAPAN	0.01	X
	OTHER	SHORT	X
PAL		SHORT	O

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

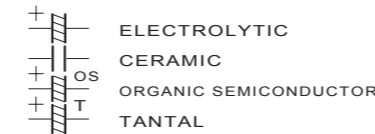
IEEE1394 Section

50 DIGITAL
(1394PHY)



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

# MARK	Ref	
	Dest Key	CN1801
THEATER	NO	YES
OTHER	YES	NO



1394PHY

DDR SDRAM Section

DDR_SDRAM

50 DIGITAL (DDR_SDRAM)

5

4

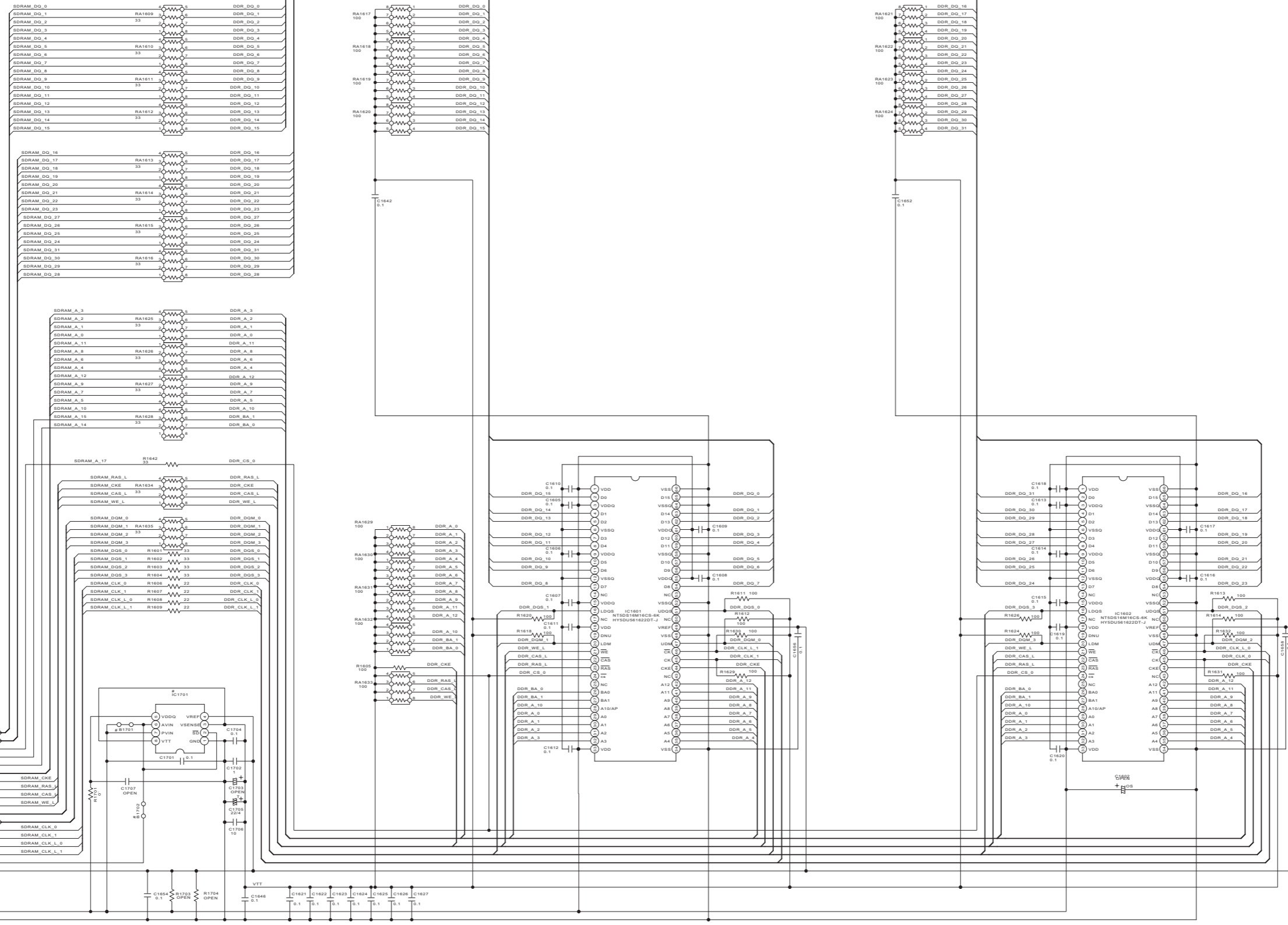
3

2

1

TO SHEET 12

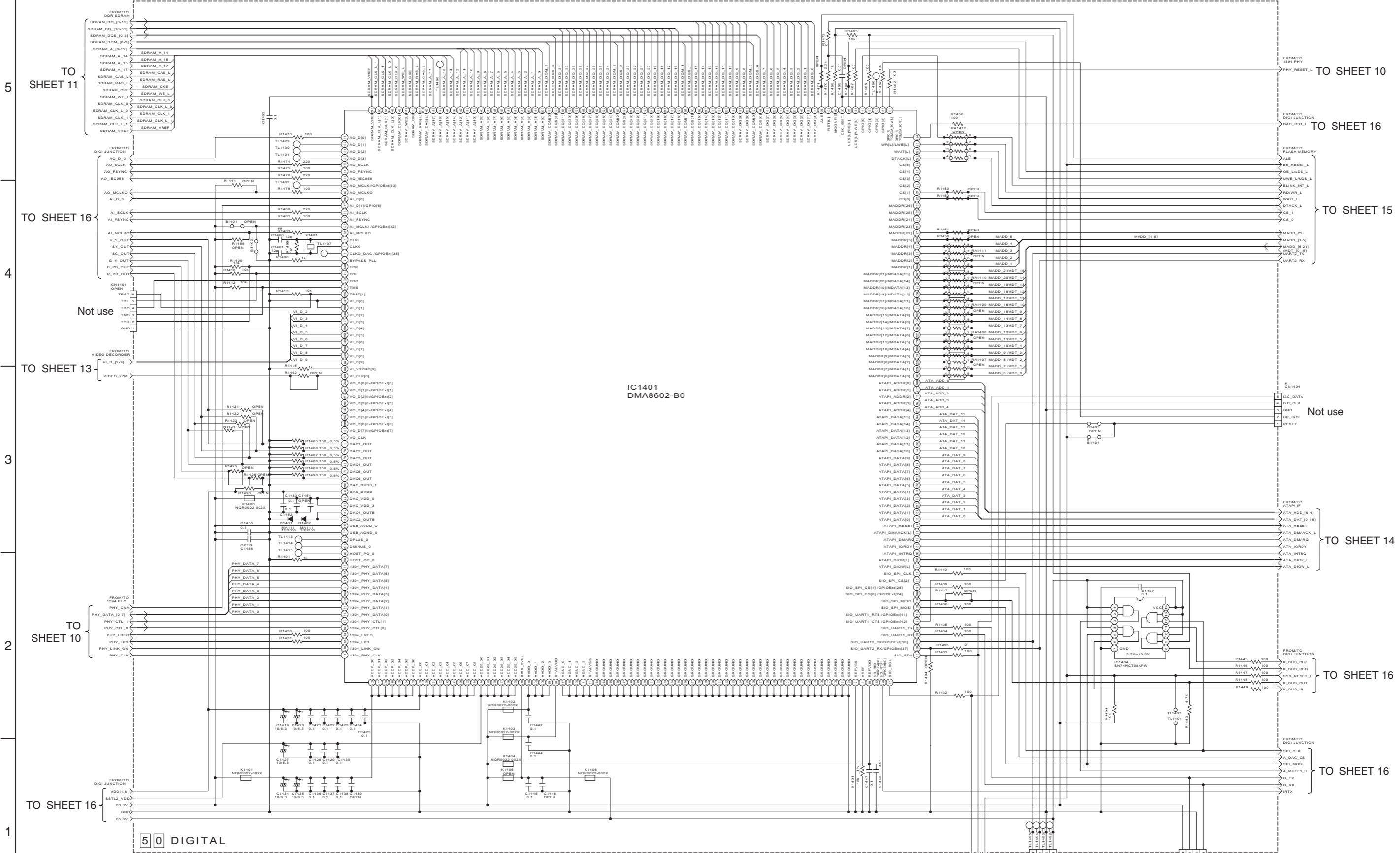
TO SHEET 16



MARK	IC1701	B1701	B1702
Desi	IC1701	YES	NO
NTSC	LP2996MR-X	YES	NO
PAL	BD3533F-X	NO	YES

NOTES: UNLESS OTHERWISE SPECIFIED
 ALL RESISTANCE VALUES ARE IN OHMS
 ALL INDUCTANCE VALUES ARE IN nH
 ALL CAPACITANCE VALUES ARE IN pF
 ELECTROLYTIC
 CERAMIC
 ORGANIC SEMICONDUCTOR
 TANTAL

Media processor section



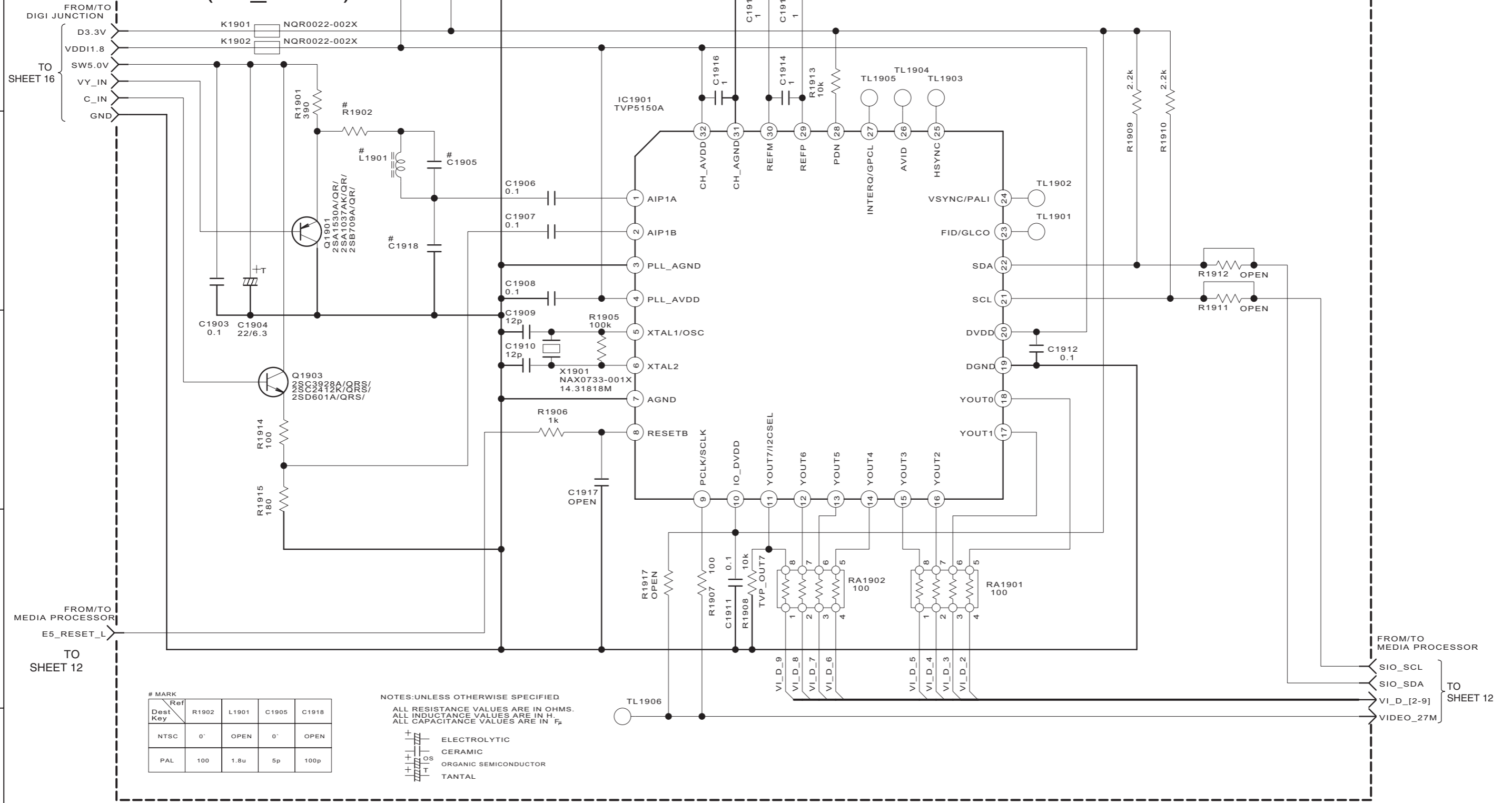
50 DIGITAL

# MARK	Ref	Value	DR-M150	DR-M155	OTHER
R1483	CN1402	100	NO	NO	NO
R1484	CN1404	100	NO	NO	NO
R1485	B1404	100	NO	NO	NO
R1487	B1405	100	NO	NO	NO

NOTES: UNLESS OTHERWISE SPECIFIED
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN μH.
 ALL CAPACITANCE VALUES ARE IN μF.
 E: ELECTROLYTIC
 C: CERAMIC
 O: ORGANIC SEMICONDUCTOR
 T: TANTALUM

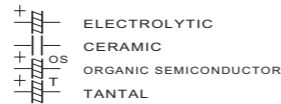
Video decoder section

5 0 DIGITAL (TI_DEC)



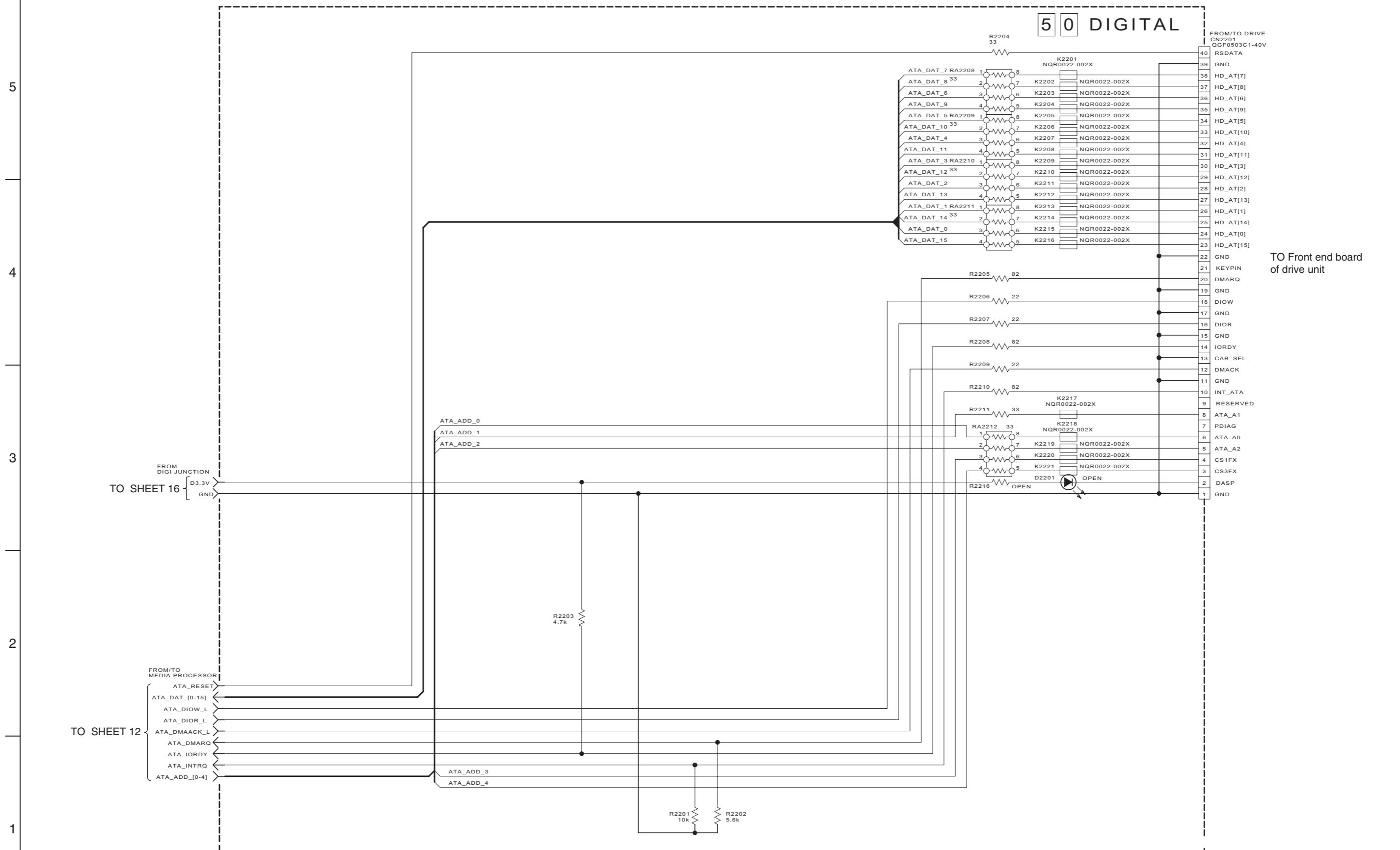
# MARK	Ref			
Dest Key	R1902	L1901	C1905	C1918
NTSC	0'	OPEN	0'	OPEN
PAL	100	1.8u	5p	100p

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



VIDEO RECORDER

■ ATAPI Interface section



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

ELECTROLYTIC
 CERAMIC
 ORGANIC SEMICONDUCTOR
 TANTALUM

TO Front end board of drive unit

FLASH-ROM section

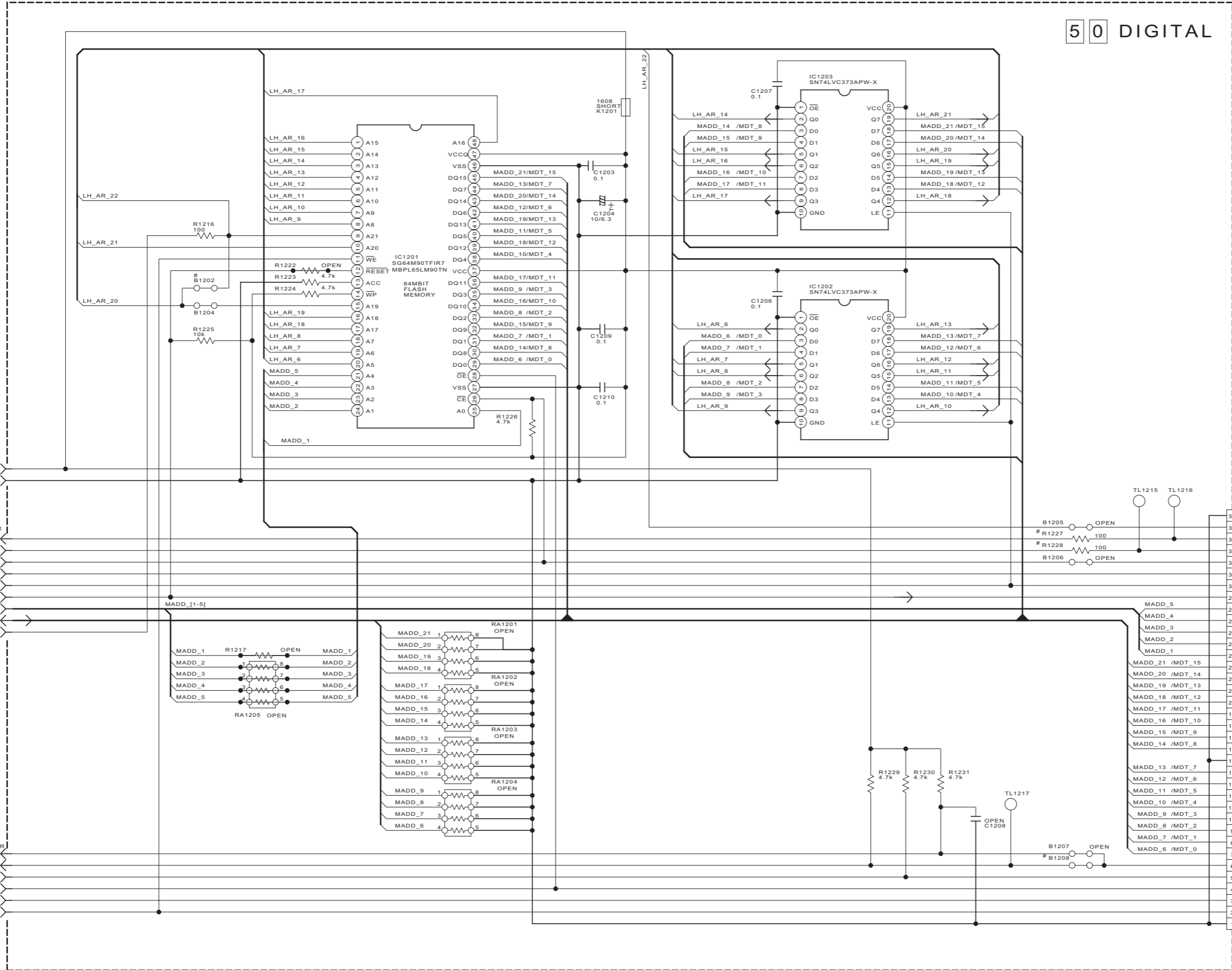
50 DIGITAL

5
4
3
2
1

FROM DIGI JUNCTION
TO SHEET 16 { D3.3V
GND

FROM/TO MEDIA PROCESSOR
TO SHEET 12 { UART2_RX
UART2_TX
CS_0
CS_1
ALE
E5_RESET_L
MADD_[1-5]
MADD_[6-21]
/MDT_[0-15]
MADD_22

FROM/TO MEDIA PROCESSOR
TO SHEET 12 { DTACK_L
WAIT_L
ELINK_INT_L
OE_L/LDS_L
UWE_L/UDS_L
RD/WR_L



TO/FROM ELINK BOARD
CN1202 QGF0508F1-36X

36	GND
35	UART2_CTS/MADD[22]
34	UART2_RX
33	UART2_TX
32	UART2_RTS/CS_L[0]
31	CS_L[1]
30	ALE
29	RST[L]
28	MADD[5]
27	MADD[4]
26	MADD[3]
25	MADD[2]
24	MADD[1]
23	MADD[21]/MDT[15]
22	MADD[20]/MDT[14]
21	MADD[19]/MDT[13]
20	MADD[18]/MDT[12]
19	MADD[17]/MDT[11]
18	MADD[16]/MDT[10]
17	MADD[15]/MDT[9]
16	MADD[14]/MDT[8]
15	GND
14	MADD[13]/MDT[7]
13	MADD[12]/MDT[6]
12	MADD[11]/MDT[5]
11	MADD[10]/MDT[4]
10	MADD[9]/MDT[3]
9	MADD[8]/MDT[2]
8	MADD[7]/MDT[1]
7	MADD[6]/MDT[0]
6	DTACK[L]/WAIT[L]
5	MEDUSA_INT[L]
4	OE[L]/LDS[L]
3	UWE[L]/UDS[L]
2	PD/WR[L]
1	GND

Not use

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

ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTAL

MARK ARE NOT MOUNTED.

FLASH

A B C D 2-39 E F G

■ Digital junction section

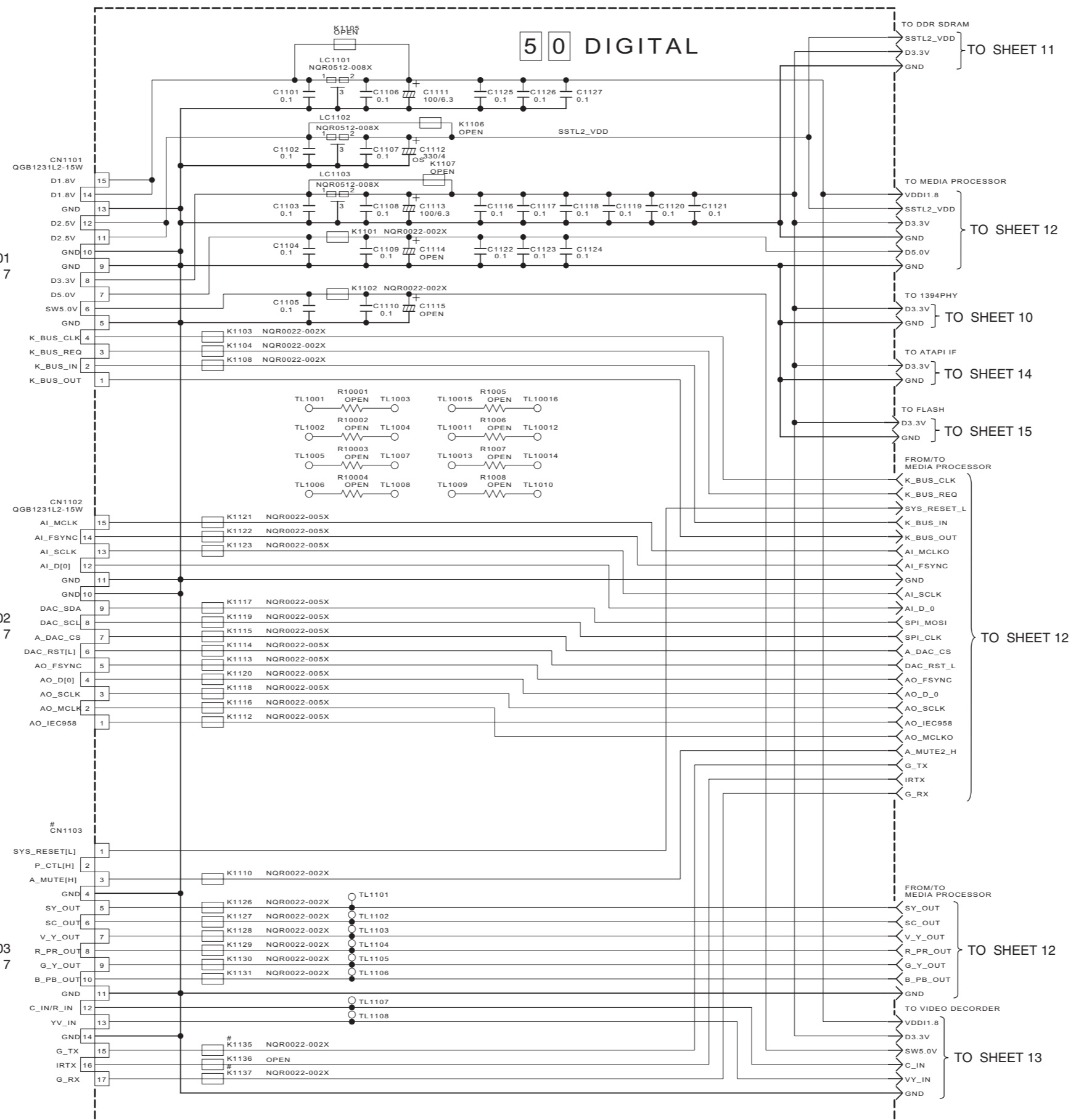
5

4

3

2

1



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

- ELECTROLYTIC
- CERAMIC
- ORGANIC SEMICONDUCTOR
- TANTAL

# MARK	Ref	Dest Key	CN1103	K1135 K1137
DR-MV5	QG1016C2-17W	YES		
OTHER	QG1016C2-15W	NO		

DIGI JUNCTION

A

B

C

2-41

2-42

E

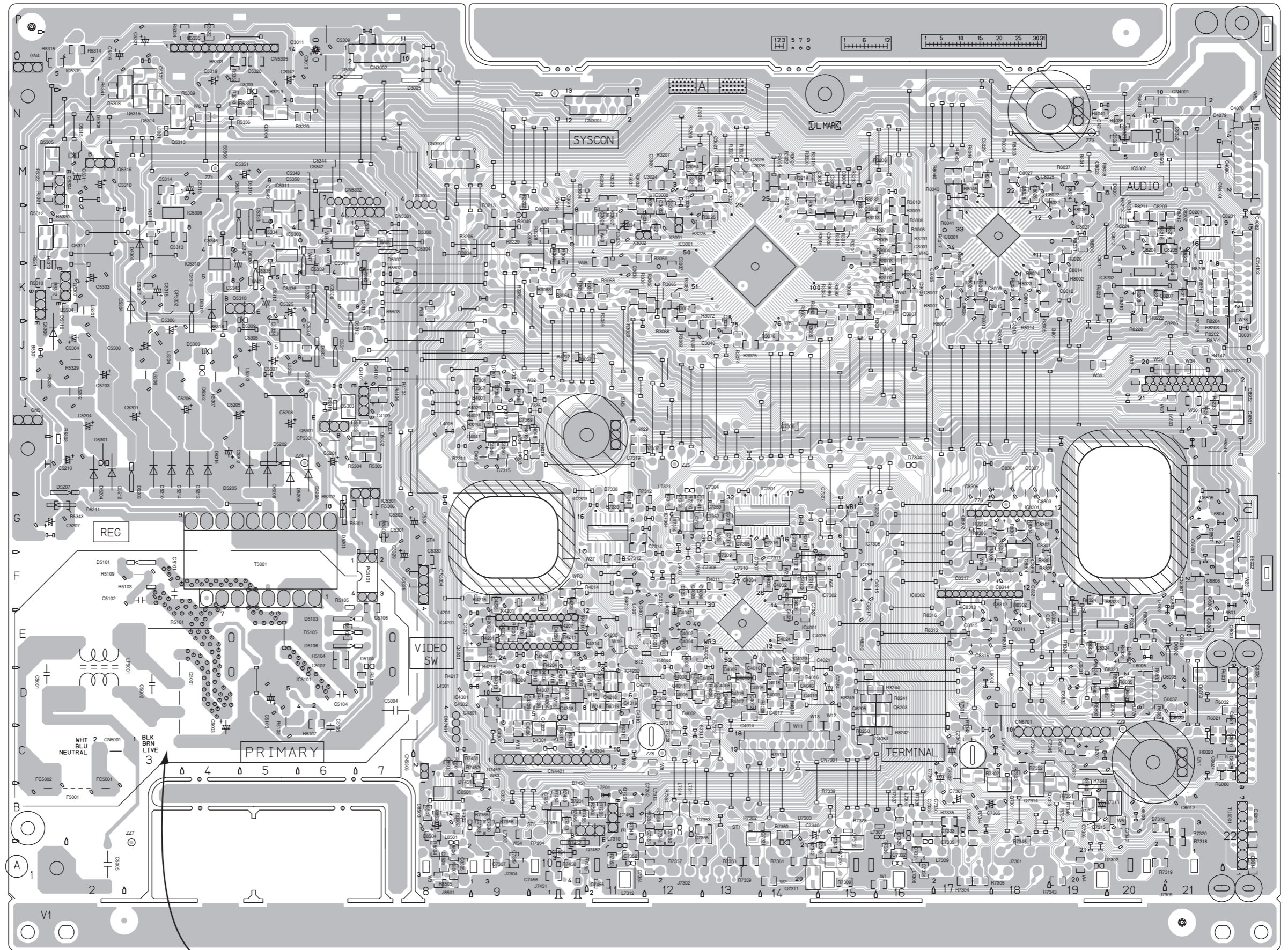
F

G

Printed circuit boards

■ Main board

<03> LPB10284-001B

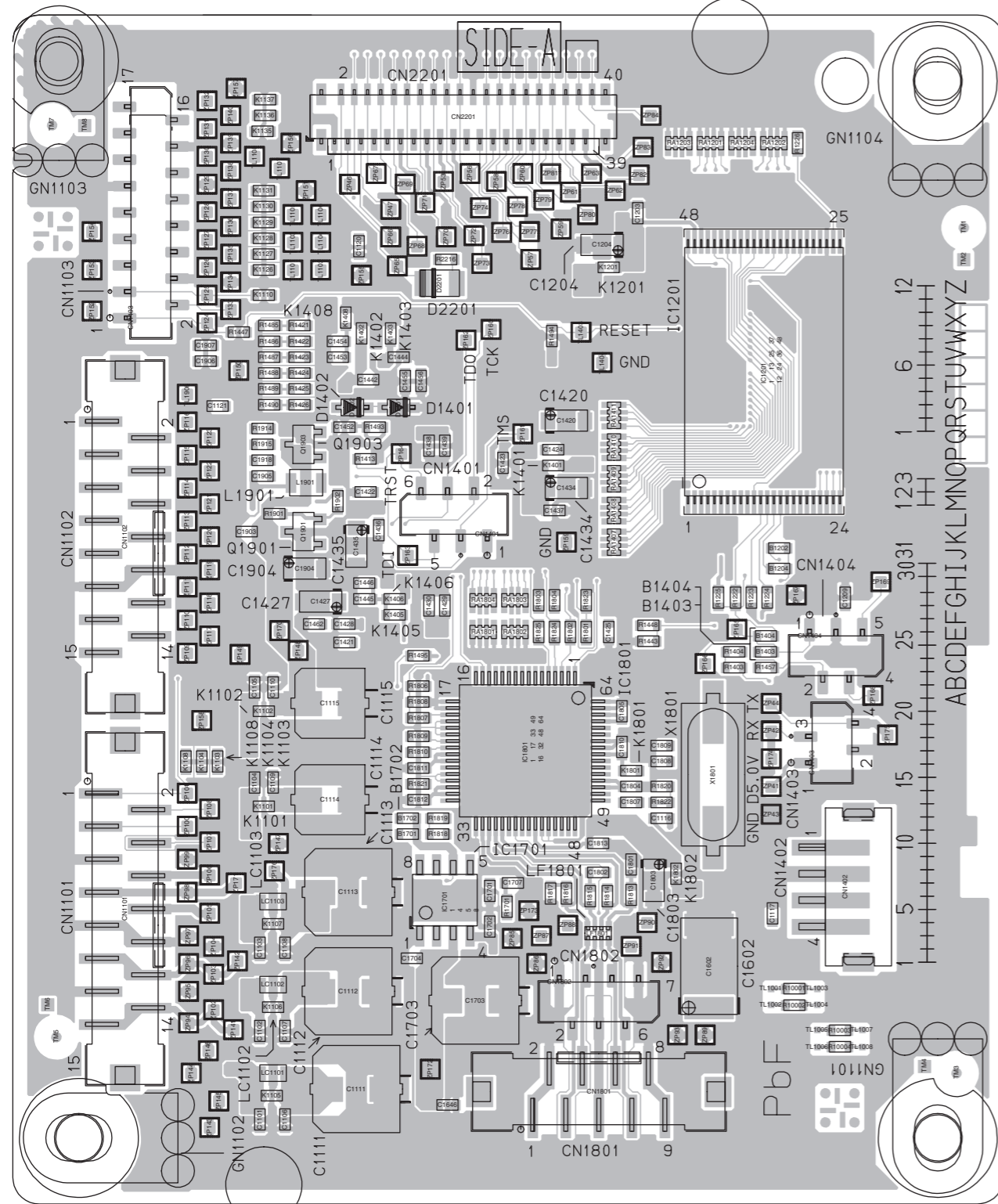


DANGEROUS VOLTAGE

COMPONENT PARTS LOCATION GUIDE <MAIN> LPB10284-001B

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR													
C3001	B C 16L	C5304	A D 1J	C7455	B C 11A	D5320	A D 5K	Q7316	B C 20B	R4202	B C 9E	R7451	B C 9C
C3002	B C 15L	C5305	A D 5J	C7456	B C 10A	D5321	A D 6J	Q7317	B C 9I	R4203	B C 9E	R7452	B C 9C
C3003	B C 15L	C5306	A D 5J	C8005	A D 17K	D5322	A D 6K	Q7321	B C 13B	R4204	B C 10E	R7453	B C 10B
C3004	B C 15L	C5307	A D 5J	C8007	A D 17K	D5323	A D 6K	Q7451	B C 10B	R4206	B C 10E	R7454	B C 10B
C3005	B C 15L	C5308	A D 3J	C8008	A D 17K	D6002	A D 21D	Q7452	A D 11B	R4209	B C 10F	R7455	B C 10B
C3006	B C 15M	C5309	A D 3J	C8009	A D 17K	D7302	A D 20A	Q8201	B C 22I	R4210	B C 10E	R7456	B C 10B
C3007	B C 15M	C5310	A D 2M	C8010	A D 18K	D7303	A D 14A	Q8202	B C 22I	R4211	B C 10E	R7457	B C 10A
C3010	A D 60	C5311	A D 2M	C8011	A D 18K	D7304	A D 14A	Q8203	B C 16D	R4212	B C 10J	R7458	B C 10A
C3011	A D 60	C5312	B C 3M	C8012	A D 18K	D7451	B C 8C	Q8205	B C 15D	R4215	B C 9F	R7459	B C 10A
C3020	A D 12M	C5313	B C 3M	C8014	A D 19K	D7453	B C 9C	Q8301	B C 18G	R4216	B C 9E	R8001	B C 17K
C3021	B C 13M	C5314	A D 4M	C8021	A D 19L	D8001	B C 20M	Q8302	B C 17G	R4217	A D 9D	R8002	B C 19K
C3024	B C 12M	C5315	A D 4M	C8022	A D 19L			R4304	B C 10D	R4304	B C 10D	R8007	B C 17K
C3025	B C 14M	C5316	A D 20	C8023	A D 19M			R4305	B C 10D	R4305	B C 10D	R8008	B C 18K
C3026	B C 14M	C5317	A D 3K	C8024	A D 19M			R4306	B C 10D	R4306	B C 10D	R8013	B C 17K
C3027	B C 11L	C5318	A D 40	C8025	A D 18M			R4307	B C 10D	R4307	B C 10D	R8014	B C 18K
C3028	B C 11L	C5319	A D 40	C8026	B C 18M			R4308	B C 10D	R4308	B C 10D	R8015	B C 18K
C3029	B C 13M	C5320	A D 3P	C8027	A D 18M	IC3001	B C 13K	R4309	B C 9D	R4309	B C 9D	R8016	B C 18K
C3030	A D 12L	C5321	A D 3P	C8028	B C 18M	IC3002	B C 12M	R4310	B C 10D	R4310	B C 10D	R8017	B C 17L
C3031	B C 12L	C5322	B C 40	C8029	B C 17M	IC3004	B C 10L	R4311	B C 11C	R4311	B C 11C	R8019	B C 17K
C3032	B C 12L	C5323	B C 6J	C8201	B C 21L	IC4001	B C 13E	R4313	B C 9D	R4313	B C 9D	R8020	B C 17K
C3033	B C 12L	C5324	B C 5J	C8202	A D 21L	IC4201	A D 9E	R4314	B C 11E	R4314	B C 11E	R8021	B C 17K
C3034	B C 11L	C5325	B C 20N	C8203	A D 20L	IC4202	B C 11D	R4317	B C 10C	R4317	B C 10C	R8022	B C 18K
C3035	B C 12L	C5326	B C 20N	C8204	B C 21L	IC4301	B C 9D	R4318	B C 15L	R4318	B C 15L	R8023	B C 18K
C3037	B C 12K	C5327	B C 21K	C8205	B C 21L	IC4304	B C 11C	R4319	B C 11D	R4319	B C 11D	R8024	B C 18K
C3038	A D 11K	C5328	B C 8F	C8206	B C 21K	IC5101	A D 6D	R5101	A D 4E	R8026	B C 19L	R8026	B C 19L
C3039	B C 13J	C5329	A D 7F	C8207	B C 21K	IC5301	A D 7H	R5102	B C 6E	R8031	B C 19L	R8031	B C 19L
C3040	A D 13J	C5330	A D 8G	C8208	B C 20K	IC5302	A D 5J	R5103	A D 3F	R8032	B C 19M	R8032	B C 19M
C3041	A D 13J	C5331	A D 8G	C8209	B C 21K	IC5303	B C 5L	R5104	B C 6E	R8033	B C 18M	R8033	B C 18M
C3042	A D 60	C5332	B C 21K	C8210	B C 20K	IC5304	B C 6L	R5105	A D 7H	R8034	B C 19M	R8034	B C 19M
C3043	B C 12M	C5333	B C 5L	C8211	B C 21K	IC5306	B C 6K	R5106	B C 7D	R8035	B C 17M	R8035	B C 17M
C3044	B C 12M	C5334	B C 5L	C8212	A D 20L	IC5307	B C 20N	R5107	B C 6D	R8036	B C 19L	R8036	B C 19L
C4001	B C 12E	C5335	B C 5K	C8215	A D 15F	IC5308	B C 3L	R5108	A D 5C	R8037	B C 19M	R8037	B C 19M
C4002	B C 12E	C5336	B C 5K	C8217	A D 15F	IC5309	A D 20	R5109	A D 3F	R8038	A D 19L	R8038	A D 19L
C4003	B C 12E	C5337	B C 6K	C8301	A D 19G	IC5310	B C 4K	R5201	B C 6G	R8040	B C 17M	R8040	B C 17M
C4004	B C 12E	C5338	B C 7K	C8302	B C 18G	IC5311	B C 5L	R5202	B C 6G	R8041	B C 17L	R8041	B C 17L
C4005	B C 13D	C5339	B C 21K	C8303	A D 18H	IC7301	B C 14G	R5203	B C 7D	R8042	B C 17M	R8042	B C 17M
C4006	B C 13D	C5340	B C 7L	C8304	A D 18H	IC7302	B C 14F	R5204	B C 7H	R8043	B C 17M	R8043	B C 17M
C4007	B C 13D	C5341	B C 7L	C8305	A D 18G	IC7303	B C 11G	R5205	B C 7H	R8044	B C 17M	R8044	B C 17M
C4008	B C 13D	C5342	B C 6L	C8306	A D 17H	IC7304	B C 12G	R5206	B C 7G	R8045	B C 17M	R8045	B C 17M
C4009	B C 13D	C5343	B C 4K	C8307	A D 18H	IC7305	B C 15G	R5207	A D 4J	R8046	B C 21K	R8046	B C 21K
C4010	B C 13D	C5344	B C 4K	C8308	A D 18G	IC8001	B C 18L	R5208	A D 1H	R8201	B C 21K	R8201	B C 21K
C4011	B C 12D	C5345	A D 4L	C8311	A D 18E	IC8201	B C 21L	R5209	B C 3N	R8203	B C 21K	R8203	B C 21K
C4012	B C 12D	C5346	A D 4L	C8312	B C 18F	IC8202	B C 20K	R5210	B C 6G	R8204	B C 21K	R8204	B C 21K
C4013	A D 12F	C5347	B C 5L	C8313	A D 18E	IC8301	A D 17G	R5211	A D 1K	R8205	B C 21L	R8205	B C 21L
C4014	B C 13D	C5348	B C 6L	C8314	A D 18F	IC8302	A D 17F	R5212	B C 1K	R8206	B C 21K	R8206	B C 21K
C4015	B C 13D	C5349	A D 5M	C8315	A D 17E	IC8303	B C 20E	R5213	A D 1K	R8211	B C 20L	R8211	B C 20L
C4016	B C 13D	C6005	A D 21D	C8316	A D 17E	IC8501	B C 8B	R5214	B C 20	R8212	B C 21L	R8212	B C 21L
C4017	B C 14D	C6006	B C 21D	C8317	A D 18F			R5215	B C 10K	R8213	B C 20L	R8213	B C 20L
C4018	B C 14D	C6012	A D 21B	C8318	A D 17E	COIL	L3001	R5216	B C 4J	R8214	B C 21L	R8214	B C 21L
C4019	B C 14D	C6013	A D 19F	C8321	A D 18G	L4001	A D 3N	R5217	B C 11K	R8215	B C 20L	R8215	B C 20L
C4020	B C 14D	C6014	B C 22A	C8322	B C 19E	L4002	A D 11F	R5218	B C 11K	R8216	B C 20L	R8216	B C 20L
C4021	A D 14E	C6020	B C 22C	C8323	A D 20E	L4003	A D 12E	R5219	B C 11K	R8217	B C 21K	R8217	B C 21K
C4022	B C 14D	C6021	B C 22C	C8324	B C 19E	L4003	A D 9H	R5220	B C 11K	R8218	B C 21K	R8218	B C 21K
C4023	B C 14E	C6027	B C 21C	C8501	A D 9B	L4004	A D 9H	R5221	B C 7I	R8219	B C 21K	R8219	B C 21K
C4024	B C 14E	C6028	B C 21C	C8502	B C 8C	L4005	A D 8I	R5222	B C 7I	R8220	B C 20K	R8220	B C 20K
C4025	B C 14E	C6032	B C 21D	C8503	A D 8B	L4007	A D 12F	R5223	A D 11	R8221	B C 20K	R8221	B C 20K
C4026	B C 14E	C6037	A D 21E	C8504	B C 8A	L4201	A D 9E	R5224	B C 12K	R8222	B C 20K	R8222	B C 20K
C4027	B C 14E	C6751	A D 19C	C8505	B C 8A	L4202	A D 11E	R5225	B C 12K	R8223	B C 20K	R8223	B C 20K
C4028	B C 14F	C6752	B C 19C	C8506	B C 8A	L4301	A D 9D	R5226	B C 12K	R8224	B C 20L	R8224	B C 20L
C4029	B C 14E	C6801	B C 21E	L5201	A D 2K	R3069	B C 12J	R5227	B C 40	R8233	B C 21I	R8233	B C 21I
C4030	B C 14F	C6802	B C 21F	L5202	A D 2I	R3070	B C 12J	R5228	B C 40	R8234	B C 21I	R8234	B C 21I
C4031	B C 12F	C6803	B C 21F	CN3001	A D 11N	L5203	A D 4I	R3072	B C 13J	R5236	B C 5N	R8241	B C 16D
C4032	B C 14F	C6804	B C 21E	CN3002	A D 60	L5204	A D 3J	R3074	B C 13J	R5237	B C 5N	R8242	B C 16C
C4033	B C 14F	C6805	B C 21E	CN3003	A D 22G	L5205	A D 3K	R3075	B C 13J	R5238	B C 5N	R8243	B C 16C
C4034	B C 13F	C6806	B C 21F	CN3004	A D 8M	L5206	A D 3I	R3076	B C 14J	R5243	B C 1G	R8249	B C 15D
C4035	B C 12F	C6807	A D 21G	CN3005	A D 8M	L6002	A D 17D	R3083	B C 14K	R5244	A D 21H	R8250	B C 15C
C4036	B C 12F	C6808	B C 21F	CN4001	A D 21N	L6003	A D 20B	R3084	B C 15K	R6020	B C 21C	R8252	B C 15D
C4042	B C 12E	C6831	A D 19D	CN4101	A D 22M	L6005	A D 20E	R3085	B C 14J	R6021	B C 21C	R8301	B C 18F
C4044	A D 12E	C6832	A D 19D	CN4102	A D 22K	L6701	A D 19C	R3086	B C 15K	R6030	B C 20E	R8302	B C 18F
C4045	B C 13D	C7202	A D 11B	CN4103	A D 22J	L6801	A D 22F	R3087	B C 15K	R6031	B C 22D	R8303	B C 18G
C4046	B C 13D	C7203	A D 11A	CN4104	A D 22I	L6802	A D 21E	R3088	B C 15K	R6032	B C 22D	R8304	B C 18G
C4047	B C 9I	C7302	B C 13G	CN4401	A D 9C	L6803	A D 21H	R3089	B C 15K	R6033	B C 20D	R8305	B C 18F
C4048	B C 10I	C7303	B C 14G	CN5001	A D 2C	L6804	A D 21G	R3090	B C 15K	R6080	B C 22C	R8306	B C 17G
C4049	B C 9H	C7304	B C 13G	CN5301	A D 7L	L7201	A D 11B	R3091	B C 16K	R6830	B C 19D	R8307	B C 18G
C4050	B C 9H	C7305	B C 13G	CN5302	A D 7M	L7301	A D 9I	R3092	B C 16K	R6831	B C 19D	R8308	B C 17F
C4055	A D 9H	C7306	B C 14I	CN5303	A D 8C	L7302	A D 8B	R3093	B C 16K	R6833	B C 20D	R8310	B C 18E
C4078	B C 22N	C7307	A D 13G	CN5304	A D 8F	L7303	A D 9B	R3094	B C 16K	R6834	B C 19D	R8313	B C 17E
C4079	B C 22N	C7308	A D 13G	CN5305	A D 8F	L7304	A D 9B	R3095	B C 16K	R6835	B C 20D	R8315	B C 17C
C4080	B C 22M	C7309	B C 13F	CN6701	A D 19C	L7305	A D 17B	R3201	B C 15L	R6836	B C 20D	R8318	B C 17E
C4082	B C 22L	C7310	B C 13F	CN6801	A D 21F	L							

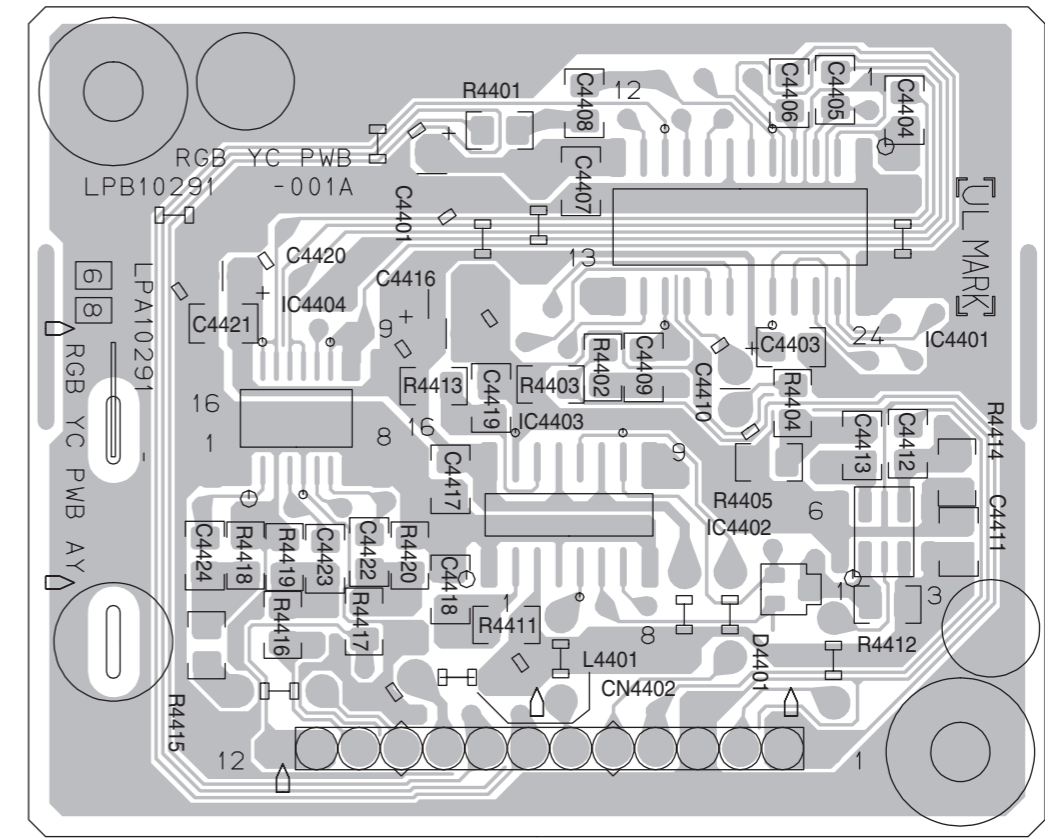
Forward side



COMPONENT PARTS LOCATION GUIDE <DIGITAL> LPB10289-001C

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CAPACITOR		C1808	A C 2C	R1449	B C 5C	R10004	A C 1A	RA1804	A C 3D
C1101	A C 4A	C1809	A C 2C	R1450	B C 2E			RA1901	B C 5E
C1102	A C 4A	C1810	A C 2C	R1451	B C 2E	OTHER		RA1902	B C 5E
C1103	A C 4B	C1811	A C 3C	R1452	B C 2E	K1101	A C 4C	RA2208	B C 2F
C1104	A C 4C	C1812	A C 3C	R1453	B C 2E	K1102	A C 4C	RA2209	B C 2F
C1105	A C 4C	C1813	A C 3B	R1454	B C 5C	K1103	A C 4C	RA2210	B C 3F
C1106	A C 4A	C1901	B C 5E	R1455	B C 2D	K1104	A C 5C	RA2211	B C 3F
C1107	A C 4A	C1902	B C 5D	R1456	B C 2D	K1105	A C 4A	RA2212	B C 4F
C1108	A C 4B	C1903	A C 4D	R1462	B C 2D	K1106	A C 4A	TM1	A C 1E
C1109	A C 4C	C1904	A C 4D	R1465	B C 2D	K1107	A C 4B	TM2	A C 1E
C1110	A C 4C	C1905	A C 4D	R1467	B C 2D	K1108	A C 5C	TM3	A C 1A
C1111	A C 4A	C1906	A C 5E	R1468	B C 2D	K1110	A C 4E	TM4	A C 1A
C1112	A C 4B	C1907	A C 5E	R1469	B C 3E	K1112	B C 5D	TM5	A C 5A
C1113	A C 4B	C1908	B C 4E	R1470	B C 2D	K1113	B C 5D	TM6	A C 5B
C1114	A C 4C	C1909	B C 4E	R1471	B C 2D	K1114	B C 5D	TM7	A C 5F
C1115	A C 4C	C1910	B C 4E	R1472	B C 2D	K1115	B C 5D	TM8	A C 5F
C1116	A C 2B	C1911	B C 5E	R1473	B C 4C	K1116	B C 5D	X1401	B C 3E
C1117	A C 2B	C1912	B C 5E	R1474	B C 4D	K1117	B C 5D	X1801	A C 2C
C1118	B C 2D	C1913	B C 5F	R1475	B C 4D	K1118	B C 5D	X1901	B C 4F
C1119	B C 2E	C1914	B C 5E	R1476	B C 4D	K1119	B C 5D		
C1120	A C 4E	C1915	B C 5F	R1478	B C 4D	K1120	B C 5D		
C1121	A C 4E	C1916	B C 5E	R1480	B C 4D	K1121	B C 5C		
C1122	B C 5D	C1917	B C 4E	R1481	B C 4D	K1122	B C 5C		
C1123	B C 4F	C1918	A C 4D	R1483	B C 4C	K1123	B C 5D		
C1124	B C 3F			R1485	A C 4E	K1126	A C 4E		
C1125	B C 5E	CONNECTOR		R1486	A C 4E	K1127	A C 4E		
C1126	B C 5B	CN1101	A C 5B	R1487	A C 4E	K1128	A C 4E		
C1127	B C 5C	CN1102	A C 5D	R1488	A C 4E	K1129	A C 4E		
C1203	A C 2F	CN1103	A C 5E	R1489	A C 4E	K1130	A C 4F		
C1204	A C 3E	CN1202	B C 1E	R1490	A C 4E	K1131	A C 4F		
C1206	B C 2D	CN1401	A C 3D	R1491	B C 3E	K1135	A C 4F		
C1207	B C 2C	CN1402	A C 1B	R1493	A C 4D	K1136	A C 4F		
C1208	B C 2E	CN1403	A C 1C	R1494	A C 3E	K1137	A C 4F		
C1209	A C 1D	CN1404	A C 1C	R1495	A C 3C	K1201	A C 2E		
C1210	B C 2E	CN1801	A C 3A	R1499	B C 4E	K1401	A C 3D		
C1419	B C 5D	CN1802	A C 3B	R1601	B C 3C	K1402	A C 4E		
C1420	A C 3D	CN2201	A C 3F	R1602	B C 3C	K1403	A C 4E		
C1421	A C 4C			R1603	B C 4C	K1404	B C 4E		
C1422	A C 4D	DIODE		R1604	B C 4C	K1405	A C 4C		
C1423	A C 3D	D1401	A C 4E	R1605	B C 4A	K1406	A C 4D		
C1424	A C 3D	D1402	A C 4E	R1606	B C 3C	K1408	A C 4E		
C1425	A C 2C	D2201	A C 3E	R1607	B C 4C	K1801	A C 2C		
C1427	A C 4D			R1608	B C 3C	K1802	A C 2B		
C1428	A C 4C	IC		R1609	B C 4C	K1901	B C 5D		
C1429	A C 3D	IC1201	A C 2E	R1611	B C 3B	K1902	B C 5F		
C1430	A C 3D	IC1202	B C 1C	R1612	B C 3A	K2201	B C 2F		
C1434	A C 3D	IC1203	B C 1C	R1613	B C 4B	K2202	B C 2F		
C1435	A C 4D	IC1401	B C 3D	R1614	B C 4B	K2203	B C 2F		
C1436	A C 4D	IC1404	B C 5C	R1618	B C 2A	K2204	B C 2F		
C1437	A C 3D	IC1601	B C 3B	R1620	B C 2B	K2205	B C 2F		
C1438	A C 3D	IC1602	B C 4B	R1624	B C 3A	K2206	B C 2F		
C1439	A C 3D	IC1701	A C 3B	R1626	B C 3B	K2207	B C 2F		
C1442	A C 4E	IC1801	A C 3C	R1629	B C 3A	K2208	B C 2F		
C1444	A C 4E	IC1901	B C 5E	R1630	B C 3A	K2209	B C 3F		
C1445	A C 4D			R1631	B C 4A	K2210	B C 3F		
C1446	A C 4D	COIL		R1632	B C 4A	K2211	B C 3F		
C1447	B C 4E	L1901	A C 4D	R1642	B C 2C	K2212	B C 3F		
C1448	B C 4E			R1701	A C 3B	K2213	B C 3F		
C1452	A C 4D	TRANSISTOR		R1703	B C 5B	K2214	B C 3F		
C1453	A C 4E	Q1901	A C 4D	R1704	B C 5B	K2215	B C 3F		
C1454	A C 4E	Q1903	A C 4D	R1801	A C 3C	K2216	B C 3F		
C1455	A C 4E			R1802	A C 3C	K2217	B C 4F		
C1456	A C 3E	RESISTOR		R1803	A C 3D	K2218	B C 4F		
C1457	B C 5C	R1005	B C 5B	R1804	A C 3D	K2219	B C 4F		
C1458	B C 2D	R1006	B C 5B	R1806	A C 3C	K2220	B C 4F		
C1460	B C 4E	R1007	B C 5B	R1807	A C 3C	K2221	B C 4F		
C1461	B C 4E	R1008	B C 5B	R1808	A C 3C	LC1101	A C 4A		
C1462	A C 4C	R1216	B C 2D	R1809	A C 3C	LC1102	A C 4B		
C1602	A C 2B	R1217	B C 2D	R1810	A C 3C	LC1103	A C 4B		
C1605	B C 2B	R1222	A C 2D	R1813	A C 2B	LF1801	A C 3B		
C1606	B C 2B	R1223	A C 2D	R1814	A C 3B	RA1201	A C 2F		
C1607	B C 2B	R1224	A C 2D	R1815	A C 3B	RA1202	A C 2F		
C1608	B C 3B	R1225	A C 2D	R1816	A C 3B	RA1203	A C 2F		
C1609	B C 3B	R1226	A C 2F	R1817	A C 3B	RA1204	A C 2F		
C1610	B C 2B	R1227	B C 2D	R1818	A C 3B	RA1205	B C 2D		
C1611	B C 2B	R1228	B C 2D	R1819	A C 3B	RA1407	A C 2D		
C1612	B C 2A	R1229	B C 2E	R1820	A C 2C	RA1408	A C 2D		
C1613	B C 3B	R1230	B C 2E	R1821	A C 3C	RA1409	A C 2D		
C1614	B C 3B	R1231	B C 2E	R1822	A C 2C	RA1410	A C 2D		
C1615	B C 3B	R1401	B C 4E	R1823	A C 3D	RA1411	A C 2D		
C1616	B C 4B	R1402	B C 4D	R1824	A C 3C	RA1412	B C 2D		
C1617	B C 4B	R1403	A C 2C	R1825	A C 3C	RA1609	B C 2C		
C1618	B C 3B	R1404	A C 2C	R1901	A C 4D	RA1610	B C 3C		
C1619	B C 3B	R1408	B C 3E	R1902	A C 4D	RA1611	B C 3C		
C1620	B C 3A	R1409	B C 4D	R1905	B C 4E	RA1612	B C 3C		
C1621	B C 2A	R1410	B C 4D	R1906	B C 4E	RA1613	B C 4C		
C1622	B C 2B	R1412	B C 4E	R1907	B C 4E	RA1614	B C 4C		
C1623	B C 2B	R1413	A C 4D	R1908	B C 5E	RA1615	B C 4C		
C1624	B C 3B	R1415	B C 4D	R1909	B C 5E	RA1616	B C 4C		
C1625	B C 4B	R1421	A C 4E	R1910	B C 5E	RA1617	B C 3B		
C1626	B C 5B	R1422	A C 4E	R1911	B C 5E	RA1618	B C 3B		
C1627	B C 5A	R1423	A C 4E	R1912	B C 5E	RA1619	B C 2B		
C1642	B C 3B	R1424	A C 4E	R1913	B C 5E	RA1620	B C 2B		
C1646	A C 3A	R1425	A C 4E	R1914	A C 4D	RA1621	B C 4B		
C1652	B C 4B	R1426	A C 4E	R1915	A C 4D	RA1622	B C 4B		
C1654	B C 5B	R1430	B C 3E	R1917	B C 4E	RA1623	B C 3B		
C1656	B C 3B	R1431	B C 3E	R2201	B C 4F	RA1624	B C 3B		
C1658	B C 4B	R1432	B C 2C	R2202	B C 3F	RA1625	B C 2C		
C1701	A C 3B	R1433	B C 2D	R2203	B C 3F	RA1626	B C 2C		
C1702	A C 3B	R1434	B C 2C	R2204	B C 2F	RA1627	B C 2C		
C1703	A C 3B	R1435	B C 2C	R2205	B C 3F	RA1628	B C 2C		
C1704	A C 3B	R1436	B C 2D	R2206	B C 3F	RA1629	B C 3A		
C1705	B C 2A	R1437	B C 2C	R2207	B C 3F	RA1630	B C 4A		
C1706	B C 4B	R1439	B C 2C	R2208	B C 3F	RA1631	B C 4A		
C1707	A C 3B	R1440	B C 2D	R2209	B C 4F	RA1632	B C 3A		
C1801	A C 2B	R1443	A C 2C	R2210	B C 4F	RA1633	B C 3A		
C1802	A C 3B	R1444	B C 5D	R2211	B C 4F	RA1634	B C 2C		
C1803	A C 2B	R1445	B C 5C	R2216	A C 3E	RA1635	B C 3C		
C1804	A C 2C	R1446	B C 5C	R10001	A C 2B	RA1801	A C 3C		
C1805	A C 2C	R1447	A C 4E	R10002	A C 2B	RA1802	A C 3C		
C1807	A C 2C	R1448	A C 2C	R10003	A C 1A	RA1803	A C 3D		

RGB-Y/C Converter board <68> LPB10291-001A



PARTS LIST

[DR-M150SEK]

* SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

* BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

* (x_) in a description column shows the number of the used part.

Area Suffix

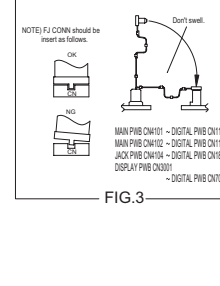
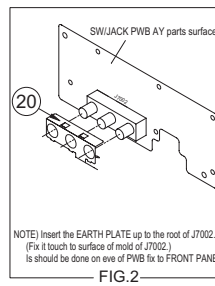
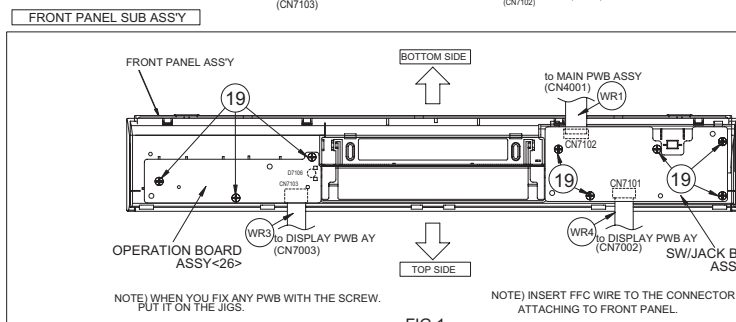
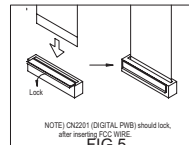
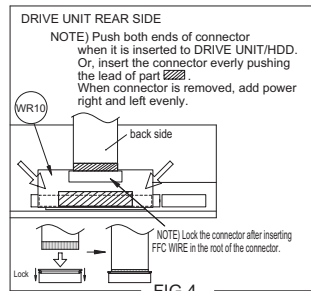
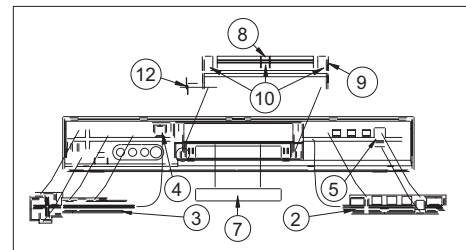
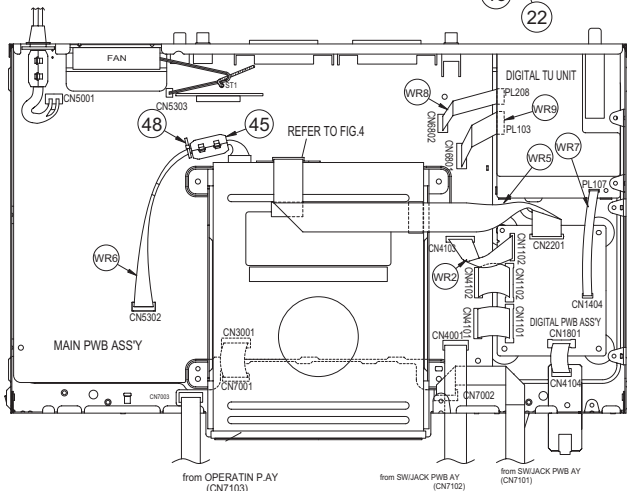
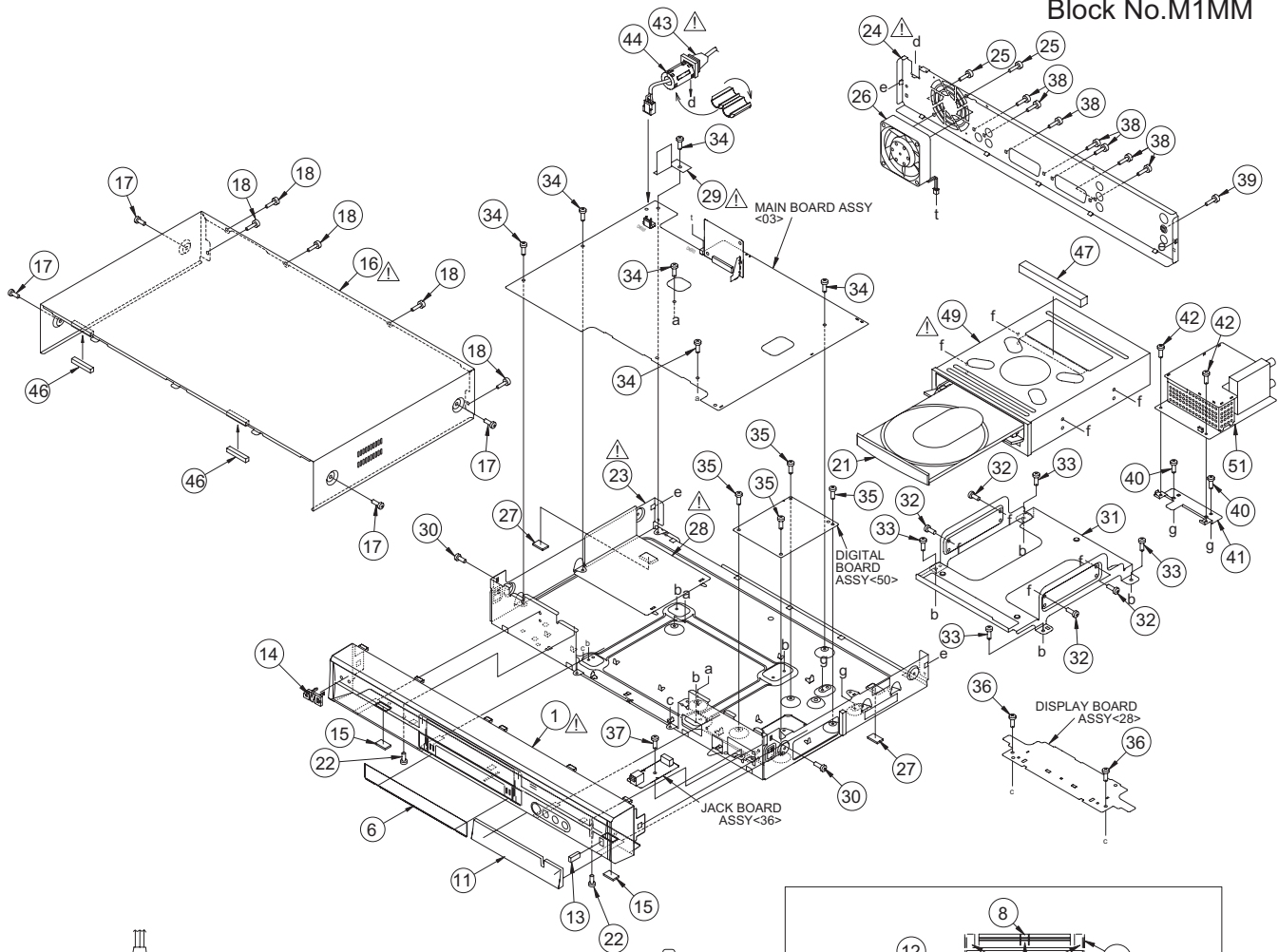
EK U.K.

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Exploded view of general assembly and parts list

Block No.M1MM



General assembly

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

△ Symbol No.	Part No.	Part Name	Description	Local
△ 1	LP10581-013B	FRONT PANEL		
2	LP21350-001B	P.BUTTON(L)		
3	LP21351-001B	P.BUTTON(R)		
4	LP21352-001A	P.BUTTON(EJ)		
5	LP31477-001A	REMOTE LENS		
6	LP31474-003A	WINDOW SCREEN		
7	LP31484-001A	FL SCREEN		
8	LP21376-005A	LID		
9	LP21355-001B	LENS		
10	QYSDSF2005ZA	TAP SCREW	FOR LENS(x3)	
11	LP21353-010A	DOOR(R)		
12	LP41219-001B	SPRING		
13	QZW0020-001	LATCH		
14	GN40020-002A	JVC MARK		
15	LP30002-0K1A	SPACER	(x2)	
△ 16	LP21361-002A	TOP COVER	(SERVICE)	
17	QYSDSGY3006RA	TAP SCREW	TOP SIDE(x4)	
18	QYSDSGY3006RA	TAP SCREW	TOP REAR(x5)	
19	QYSDSF2608ZA	TAP SCREW	FRONT PWB(x8)	
20	LP31514-001B	EARTH PLATE	FRONT JACK	
21	LP21348-201B	FITTING(DVD)	DRIVE	
22	QYSSST3006ZA	TAP SCREW	F.P BOTTOM(x2)	
△ 23	LP10578-002A	BOTTOM CHASSIS		
△ 24	LP21362-010B	REAR PANEL		
25	QYSDSF3008MA	TAP SCREW	FAN(x2)	
26	QAR0349-001	COOLING FAN		
27	LP30002-0K1A	SPACER	FOOT(x2)	
△ 28	LP31485-001A	PROTECT SHEET		
△ 29	LV44381-001A	BARRIER		
30	QYSDSG3008ZA	TAP SCREW	SIDE(x2)	
31	LP21364-001A	DVD BKT	JR4/JR5	
32	QYSDST3006ZA	TAP SCREW	DRIVE(x4)	
33	QYSBSGG3006ZA	TAP SCREW	DVD BKT(x4)	
34	QYSBSGG3006ZA	TAP SCREW	MAIN PWB(x6)	
35	QYSBSGG3006ZA	TAP SCREW	DIGI PWB(x4)	
36	QYSBSGG3006ZA	TAP SCREW	FL PWB(x2)	
37	QYSBSGG3006ZA	TAP SCREW	DV PWB	
38	QYSBSGY3008MA	TAP SCREW	JACK(x7)	
39	QYSBST3004MA	TAP SCREW	TUNER	
40	QYSBSGG3006ZA	TAP SCREW	DVB-T BKT(x2)	
41	LP31544-001A	BKT(DVB-T)	DVB-T	
42	QYSBSGG3006ZA	TAP SCREW	DVB-T CB(x2)	
△ 43	QMP51K0-170-K	POWER CORD	1.7m BLACK	
44	QQR0491-001	FERRITE CORE	AC CODE	
45	QQR0917-001	CORE FILTER	DVD REG	
46	LP41256-001A	GASKET	TOP COVER(x2)	
47	LP41107-001A	GASKET		
48	QZW0004-001	WIRE CLAMP		
△ 49	QAL0704-001	DRIVE UNIT		
51	QAU0433-001	DIGITAL TUNER UNIT		
WR 1	QUQ112-1112CG-E	FFC WIRE	MAIN CN4001-F.SW CN7102	
WR 2	QUQ210-1510CJ-E	FFC WIRE	DIGI CN1102-MAIN CN4103	
WR 3	QUQ112-1009CG-E	FFC WIRE	F.OP CN7103-F.FDP CN7003	
WR 4	QUQ112-1016CG-E	FFC WIRE	F.SW CN7101-F.FDP CN7002	
WR 5	QUQ105-4030AH-E	FFC WIRE	DRIVE -DIGI CN2201	
WR 6	QJJ032-041814-E	SIN CR C-C WIRE	DRIVE -MAIN CN5302	
WR 7	QUQ210-0511CJ-E	FFC WIRE	D-TU PL107-DIGI CN1401	
WR 8	QUQ112-0709CG-E	FFC WIRE	D-TU PL208-MAIN CN6802	
WR 9	QUQ112-1109CG-E	FFC WIRE	D-TU PL103-MAIN 6801	
WR10	QGZ0021A1-40	CONNECTOR	IDE C CONN	

Electrical parts list

Main board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10284-07A1	MAIN BOARD ASSY							
IC3001	MN101D10GDL	IC(MCU)	MASK		Q5313	or 2SC3928A/QRS/-X	TRANSISTOR		
IC3002	IC-PST3425U-X	IC			Q5314	UN2111-X	TRANSISTOR		
IC3004	LPN0993-001D-32	IC(EEPROM)	*(REFER TO BELOW)		Q5314	or DTA114EKA-X	DIGI TRANSISTOR		
IC4001	BH7623KS2	IC			Q5314	or RT1P141C-X	DIGI TRANSISTOR		
IC4201	LC74793-E	IC			Q5315	UN2211-X	TRANSISTOR		
IC4202	MM1504XN-X	IC			Q5315	or DTC114EKA-X	DIGI TRANSISTOR		
IC5101	STR-G6653-F9	IC			Q5315	or RT1N141C-X	DIGI TRANSISTOR		
IC5301	TL431A/-T	IC			Q5316	2SC3576-JVC-T	TRANSISTOR		
IC5301	or MM1431AT-T	IC			Q5316	or 2SD2144S/UV/-T	TRANSISTOR		
IC5301	or UTCTL431-T	IC			Q7301	2SD601A/QRS/-X	TRANSISTOR		
IC5303	MM1689BH-X	IC			Q7301	or 2SC2412K/QRS/-X	TRANSISTOR		
IC5307	MM1662GH-X	IC			Q7301	or 2SC3928A/QRS/-X	TRANSISTOR		
IC5308	MM1665AH-X	IC			Q7302	2SD601A/QRS/-X	TRANSISTOR		
IC5309	PQ5EV3	IC			Q7302	or 2SC2412K/QRS/-X	TRANSISTOR		
IC5310	MM1662GH-X	IC			Q7302	or 2SC3928A/QRS/-X	TRANSISTOR		
IC5311	RT9167A-33PS-X	IC			Q7310	2SB709A/QR/-X	TRANSISTOR		
IC7301	BH7868FS-X	IC			Q7310	or 2SA1037AK/QR/-X	TRANSISTOR		
IC7303	TC74HC4053AF-XE	IC			Q7310	or 2SA1530A/QR/-X	TRANSISTOR		
IC7303	or CD74HC4053NS-X	IC			Q7311	2SB709A/QR/-X	TRANSISTOR		
IC7304	MM1503XN-X	IC			Q7311	or 2SA1037AK/QR/-X	TRANSISTOR		
IC7305	MM1501XN-X	IC			Q7311	or 2SA1530A/QR/-X	TRANSISTOR		
IC8001	AK5366VQ-W	IC			Q7312	UN221E-X	TRANSISTOR		
IC8201	AK4385VT-X	IC			Q7312	or DTC144WKA-X	DIGI TRANSISTOR		
IC8201	or AK4385ET-X	IC			Q7312	or RT1N44HC-X	DIGI TRANSISTOR		
IC8202	RC4558D-X	IC			Q7313	UN221E-X	TRANSISTOR		
IC8301	LA7151-E	IC			Q7313	or DTC144WKA-X	DIGI TRANSISTOR		
IC8501	SN74LV08APW-X	IC			Q7313	or RT1N44HC-X	DIGI TRANSISTOR		
Q3004	2SD601A/QRS/-X	TRANSISTOR			Q7314	UN221E-X	TRANSISTOR		
Q3004	or 2SC2412K/QRS/-X	TRANSISTOR			Q7314	or DTC144WKA-X	DIGI TRANSISTOR		
Q3004	or 2SC3928A/QRS/-X	TRANSISTOR			Q7314	or RT1N44HC-X	DIGI TRANSISTOR		
Q3005	UN2211-X	TRANSISTOR			Q7315	UN2215-X	TRANSISTOR		
Q3005	or DTC114EKA-X	DIGI TRANSISTOR			Q7315	or DTC114TKA-X	TRANSISTOR		
Q3005	or RT1N141C-X	DIGI TRANSISTOR			Q7315	or RT1N140C-X	DIGI TRANSISTOR		
Q3007	UN221E-X	TRANSISTOR			Q7316	2SB709A/QR/-X	TRANSISTOR		
Q3007	or DTC144WKA-X	DIGI TRANSISTOR			Q7316	or 2SA1037AK/QR/-X	TRANSISTOR		
Q3007	or RT1N44HC-X	DIGI TRANSISTOR			Q7316	or 2SA1530A/QR/-X	TRANSISTOR		
Q4001	2SB709A/QR/-X	TRANSISTOR			Q7317	2SB709A/QR/-X	TRANSISTOR		
Q4001	or 2SA1037AK/QR/-X	TRANSISTOR			Q7317	or 2SA1037AK/QR/-X	TRANSISTOR		
Q4001	or 2SA1530A/QR/-X	TRANSISTOR			Q7317	or 2SA1530A/QR/-X	TRANSISTOR		
Q4101	2SD2144S/UV/-T	TRANSISTOR			Q7321	UN221E-X	TRANSISTOR		
Q4101	or 2SC3576-JVC-T	TRANSISTOR			Q7321	or DTC144WKA-X	DIGI TRANSISTOR		
Q4201	2SD601A/QRS/-X	TRANSISTOR			Q7321	or RT1N44HC-X	DIGI TRANSISTOR		
Q4201	or 2SC2412K/QRS/-X	TRANSISTOR			Q8201	UN221E-X	TRANSISTOR		
Q4201	or 2SC3928A/QRS/-X	TRANSISTOR			Q8201	or DTC144WKA-X	DIGI TRANSISTOR		
Q5301	2SC3576-JVC-T	TRANSISTOR			Q8201	or RT1N44HC-X	DIGI TRANSISTOR		
Q5301	or 2SD2144S/UV/-T	TRANSISTOR			Q8202	UN211E-X	DIGI TRANSISTOR		
Q5302	UN2111-X	TRANSISTOR			Q8202	or DTA144WKA-X	TRANSISTOR		
Q5302	or DTA114EKA-X	DIGI TRANSISTOR			Q8202	or RT1P44HC-X	DIGI TRANSISTOR		
Q5302	or RT1P141C-X	DIGI TRANSISTOR			Q8203	2SC2412K/QRS/-X	TRANSISTOR		
Q5303	UN2211-X	TRANSISTOR			Q8203	or 2SD601A/QRS/-X	TRANSISTOR		
Q5303	or DTC114EKA-X	DIGI TRANSISTOR			Q8203	or 2SC3928A/QRS/-X	TRANSISTOR		
Q5303	or RT1N141C-X	DIGI TRANSISTOR			Q8205	2SC2412K/QRS/-X	TRANSISTOR		
Q5304	2SA1585S/QR/-T	TRANSISTOR			Q8205	or 2SD601A/QRS/-X	TRANSISTOR		
Q5305	UN2211-X	TRANSISTOR			Q8205	or 2SC3928A/QRS/-X	TRANSISTOR		
Q5305	or DTC114EKA-X	DIGI TRANSISTOR			Q8301	2SC2412K/QRS/-X	TRANSISTOR		
Q5305	or RT1N141C-X	DIGI TRANSISTOR			Q8301	or 2SD601A/QRS/-X	TRANSISTOR		
Q5306	2SA1585S/QR/-T	TRANSISTOR			Q8301	or 2SC3928A/QRS/-X	TRANSISTOR		
Q5308	UN2111-X	TRANSISTOR			Q8302	2SC2412K/QRS/-X	TRANSISTOR		
Q5308	or DTA114EKA-X	DIGI TRANSISTOR			Q8302	or 2SD601A/QRS/-X	TRANSISTOR		
Q5308	or RT1P141C-X	DIGI TRANSISTOR			Q8302	or 2SC3928A/QRS/-X	TRANSISTOR		
Q5309	UN2211-X	TRANSISTOR			D3002	1SS133-T2	DIODE		
Q5309	or DTC114EKA-X	DIGI TRANSISTOR			D3002	or 1SS270A-T2	SI DIODE		
Q5309	or RT1N141C-X	DIGI TRANSISTOR			D3003	MTZJ39C-T2	Z DIODE		
Q5310	2SC5739/QP/	TRANSISTOR			D3004	10EDB20-T2	SI DIODE		
Q5312	UN2211-X	TRANSISTOR			D3005	10EDB20-T2	SI DIODE		
Q5312	or DTC114EKA-X	DIGI TRANSISTOR			D3008	1SS355-X	SI DIODE		
Q5312	or RT1N141C-X	DIGI TRANSISTOR			D3008	or MA111-X	SI DIODE		
Q5313	2SD601A/QRS/-X	TRANSISTOR			D4001	DA204U-X	SI DIODE		
Q5313	or 2SC2412K/QRS/-X	TRANSISTOR			D4002	DA204U-X	SI DIODE		
					D5001	D3SBA60	DIODE		
					D5001	or GBJ4J	BRIDGE DIODE		
					D5101	SARS01-T2	SI DIODE		
					D5103	1F4G-T2	FR DIODE		

3-4(No.YD073) After exchanging EEPROMs, a main part does not correspond to some remote control commands at Jig RCU mode. Please cancel the Jig RCU mode of a main part after exchanging EEPROMs. Please refer to the "Canceling JIG mode" about the release method.

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D5103	or 10ERB20-T2	FR DIODE			C3041	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5103	or AU01Z-T2	FR DIODE			C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
D5104	1SS133-T2	SI DIODE			C4001	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5104	or 1SS270A-T2	SI DIODE			C4003	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5105	1F4G-T2	FR DIODE			C4005	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5105	or 10ERB40-T2	FR DIODE			C4007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5105	or AU01Z-T2	FR DIODE			C4009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5106	1F4G-T2	FR DIODE			C4011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5106	or 10ERB20-T2	FR DIODE			C4013	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5106	or AU01Z-T2	FR DIODE			C4014	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5201	1F4G-T2	FR DIODE			C4016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5201	or 10ERB20-T2	FR DIODE			C4017	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5201	or AU01Z-T2	FR DIODE			C4019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5202	1F4G-T2	FR DIODE			C4021	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
D5202	or 10ERB20-T2	FR DIODE			C4023	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5202	or AU01Z-T2	FR DIODE			C4024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5204	RL2Z-LFB2	FR DIODE			C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5204	or UF202G-F26	FR DIODE			C4026	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5205	RK34-LFB2	FUSEIODE			C4028	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5206	RK34-LFB2	FUSEIODE			C4031	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5207	1F4G-T2	FR DIODE			C4032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5207	or 10ERB20-T2	FR DIODE			C4033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5207	or AU01Z-T2	FR DIODE			C4035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D5208	RK34-LFB2	FUSEIODE			C4036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D5210	RK34-LFB2	FUSEIODE			C4042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5211	1F4G-T2	FR DIODE			C4044	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5211	or 10ERB20-T2	FR DIODE			C4045	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5211	or AU01Z-T2	FR DIODE			C4046	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5212	RL2Z-LFB2	FR DIODE			C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
D5212	or UF202G-F26	FR DIODE			C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5213	RK34-LFB2	FUSEIODE			C4109	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
D5214	RK34-LFB2	FUSEIODE			C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
D5215	RK34-LFB2	FUSEIODE			C4201	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
D5301	MTZJ15C-T2	Z DIODE			C4202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5302	1SS133-T2	SI DIODE			C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5302	or 1SS270A-T2	SI DIODE			C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5303	MTZJ27C-T2	Z DIODE			C4205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
D5304	RK34-LFB2	FUSEIODE			C4206	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
D5305	RK34-LFB2	FUSEIODE			C4207	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
D5306	RK34-LFB2	FUSEIODE			C4208	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
D5309	MTZJ5.6C-T2	Z DIODE			C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
D5310	1A3G-T2	SI DIODE			C4210	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
D5310	or 10EDB20-T2	SI DIODE			C4216	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D5314	1A3G-T2	SI DIODE			C4217	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5314	or 10EDB20-T2	SI DIODE			C4218	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
D5315	MTZJ12B-T2	Z DIODE			△ C5001	QFZ9075-683	MPP CAPACITOR	0.068uF AC275V M	
D5318	1S4-T2	SB DIODE			△ C5002	QFZ9075-223	MPP CAPACITOR	0.022uF AC275V M	
D5318	or AW04-T2	SB DIODE			C5003	QEZ0374-107	E CAPACITOR	100uF 400V M	
D5319	RL2Z-LFB2	FR DIODE			△ C5004	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
D5320	1S4-T2	SB DIODE			△ C5005	QCZ9079-101	C CAPACITOR	100pF AC250V K	
D5320	or AW04-T2	SB DIODE			C5102	QCZ0349-472Z	C CAPACITOR	4700pF 1kV K	
D5321	1S4-T2	SB DIODE			C5103	QEZ0619-276Z	E CAPACITOR	27uF	
D5321	or AW04-T2	SB DIODE			C5104	QCZ0136-471Z	C CAPACITOR	470pF 1kV K	
D5322	1A3G-T2	SI DIODE			C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
D5322	or 10EDB20-T2	SI DIODE			C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
D5323	1A3G-T2	SI DIODE			C5107	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
D5323	or 10EDB20-T2	SI DIODE			C5201	QEZ0562-227Z	E CAPACITOR	220uF 6.3V M	
D6002	HZ30-2L-T2	Z DIODE			C5202	QEZ0620-186Z	E CAPACITOR	18uF	
D7304	1SS133-T2	SI DIODE			C5204	QEZ0701-128	E CAPACITOR	1200uF	
D8001	MA8030/H-X	Z DIODE			C5205	QEMT1AM-338	E CAPACITOR	3300uF 10V M	
D8001	or UDZS3.0B-X	Z DIODE			C5206	QEMT1AM-338	E CAPACITOR	3300uF 10V M	
△ PC5101	PS2581AL1/QW/	PHOTO COUPLER			C5207	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M	
C3001	NCB31HK-272X	C CAPACITOR	2700pF 50V K		C5208	QEZ0700-158	E CAPACITOR	1500uF 10V K	
C3011	QETL0JM-478	E CAPACITOR	4700uF 6.3V M		C5209	QEMT1AM-338	E CAPACITOR	3300uF 10V M	
C3020	QERF1CM-106Z	E CAPACITOR	10uF 16V M		C5210	QEZ0620-186Z	E CAPACITOR	18uF	
C3021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C5301	QFV1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C3024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C5302	QFLC1HJ-333Z	M CAPACITOR	0.033uF 50V J	
C3029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C5304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		C5305	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3031	NDC31HJ-180X	C CAPACITOR	18pF 50V J		C5306	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3032	NDC31HJ-270X	C CAPACITOR	27pF 50V J		C5307	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3034	NDC31HJ-220X	C CAPACITOR	22pF 50V J		C5308	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C3035	NDC31HJ-180X	C CAPACITOR	18pF 50V J		C5309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C5310	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C5311	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C3040	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		C5312	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
					C5313	NCB21AK-105X	C CAPACITOR	1uF 10V K	
					C5314	NCB31HK-471X	C CAPACITOR	470pF 50V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C5315	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C5316	QETN1AM-107Z	E CAPACITOR	100uF 10V M		C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5326	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5327	NCB31HK-471X	C CAPACITOR	470pF 50V K		C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C5332	NCB10JK-106X	C CAPACITOR	10uF 6.3V K		C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5333	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C5334	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5335	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8210	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C5336	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5345	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8212	QETJ1CM-107Z	E CAPACITOR	100uF 16V M	
C5346	NCB31HK-471X	C CAPACITOR	470pF 50V K		C8215	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C5347	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C8217	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C5348	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C8301	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C5349	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5350	NCB21AK-105X	C CAPACITOR	1uF 10V K		C8303	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C5351	QETN1CM-108Z	E CAPACITOR	1000uF 16V M		C8304	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C6831	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		C8305	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C6832	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M		C8306	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7301	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8307	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C8308	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8501	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7305	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7306	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M		C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7309	NCB30JK-105X	C CAPACITOR	1uF 6.3V K						
C7310	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3005	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7314	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7315	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		R3007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7318	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7319	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R3009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7326	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7327	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7330	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3014	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7331	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3015	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7332	NCB31HK-681X	C CAPACITOR	680pF 50V K		R3016	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7333	NCB31HK-681X	C CAPACITOR	680pF 50V K		R3017	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3018	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7345	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7346	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M		R3020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		R3021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7351	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7352	NCB31HK-681X	C CAPACITOR	680pF 50V K		R3026	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7353	NCB31HK-681X	C CAPACITOR	680pF 50V K		R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C7363	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7364	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7365	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3032	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7366	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3035	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7367	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C7368	NDC31HJ-120X	C CAPACITOR	12pF 50V J		R3045	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C7369	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J		R3049	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7371	NCB31EK-103X	C CAPACITOR	0.01uF 25V K		R3050	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C7372	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R3052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7388	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C7390	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8007	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8012	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R3062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8021	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M		R3065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C8022	QERF1HM-475Z	E CAPACITOR	4.7uF 50V M		R3067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8023	QERF0JM-107Z	E CAPACITOR	100uF 6.3V M		R3068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M		R3070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		R3074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C8029	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3076	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R3083	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M		R3084	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R3087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5311	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5314	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R3090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5315	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5318	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5319	QRE141J-150Y	C RESISTOR	15Ω 1/4W J	
R3093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5320	QRE123J-121X	C RESISTOR	120Ω 1/2W J	
R3100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R5321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R5322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R5323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3204	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R5324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3205	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R5336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R3206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R5337	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3207	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R5341	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3209	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R5343	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		R5344	QRE141J-181Y	C RESISTOR	180Ω 1/4W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R6833	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R6835	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R7301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R7302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3221	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7303	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3222	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7304	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R7305	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R7309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3225	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R7311	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R3226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7318	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R3233	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7319	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R3235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7320	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R3242	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R7335	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7336	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7337	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7339	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7340	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7341	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7343	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7344	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7345	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7346	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R4015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7347	NRSA63D-750X	MG RESISTOR	75Ω 1/16W D	
R4016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7348	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7349	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R4020	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J		R7350	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7351	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R4104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R7352	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4105	NRSA02J-105X	MG RESISTOR	1MΩ 1/10W J		R7353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7355	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7356	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R7357	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4210	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R7358	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4211	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R7359	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R4215	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R7361	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R4216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R7362	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4217	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		R7365	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R7366	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5101	QRG02GJ-683	OMF RESISTOR	68kΩ 2W J		R7367	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5102	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R7368	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5103	QRE141J-684Y	C RESISTOR	680kΩ 1/4W J		R7378	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R5104	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R8017	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5105	QRE141J-820Y	C RESISTOR	82Ω 1/4W J		R8019	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5106	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R8020	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5107	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R8021	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5108	QRT01DJ-R33X	MF RESISTOR	0.33Ω 1W J		R8022	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
△ R5109	QRZ9005-470X	FUSI RESISTOR	47Ω 1/4W G		R8023	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5301	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R8024	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5302	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R8026	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D	
R5303	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J		R8031	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R5304	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D		R8032	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
R5305	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D		R8033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5306	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D		R8034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
△ R5307	QRZ9005-470X	FUSI RESISTOR	47Ω 1/4W G		R8035	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5308	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		R8036	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R5309	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R8037	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R8038	QRE141J-151Y	C RESISTOR	150Ω 1/4W J		B7309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8040	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		B7311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8042	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		B7315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8044	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		B7319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8045	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		B7337	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		B7339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		B8003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN3001	QGB1231M1-13	CONNECTOR	SW/DISPLAY	
R8204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN3901	QGF1207C1-08	CONNECTOR	FOR FLASH	
R8205	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J		CN4001	QGF1207C1-11	CONNECTOR	FRONT IN	
R8206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		CN4101	QGB1231M1-15	CONNECTOR	DIGITAL	
R8211	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D		CN4102	QGB1231M1-15	CONNECTOR	DIGITAL	
R8212	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D		CN4103	QGF1016C3-15	CONNECTOR	PIN1-15	
R8213	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D		△ CN5001	QGA7901C3-02	CONNECTOR	AC_IN	
R8214	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D		CN5301	QGA2501C1-04	CONNECTOR	DVD LG	
R8215	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		CN5303	QGA2001C1-02	CONNECTOR	FAN	
R8216	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		CN6801	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
R8217	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D		CN6802	QGF1207C1-07	CONNECTOR	FFC/FPC (1-7)	
R8218	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D		△ F5001	QMF5AE2-1R6-J1	FUSE	1.6A AC250V	
R8219	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D		FC5001	QNG0020-001Z	FUSE CLIP		
R8220	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D		FC5002	QNG0020-001Z	FUSE CLIP		
R8221	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		GN1	QNZ0136-001Z	EARTH PLATE		
R8222	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D		GN2	QNZ0136-001Z	EARTH PLATE		
R8223	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		GN3	QNZ0136-001Z	EARTH PLATE		
R8224	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		GN4	QNZ0136-001Z	EARTH PLATE		
R8233	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		GN5	QNZ0136-001Z	EARTH PLATE		
R8234	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		J7301	QNZ0516-001	RGB CONNECTOR	AV1	
R8241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		J7302	QNZ0516-001	RGB CONNECTOR	AV2	
R8242	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		J7304	QNN0701-001	PIN JACK	AUDIO OUT	
R8244	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		J7309	QNN0700-001	PIN JACK		
R8249	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		J8501	QNN0347-001	SURROUND JACK		
R8250	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		K8501	NQR0227-004X	FERRITE BEADS		
R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		△ LF5001	QQR1031-001	LINE FILTER		
R8301	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		ST5	QZW0007-001	POST PIN		
R8303	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		W1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8304	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		W2	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		W3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		W4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8307	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		W5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8308	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		W6	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8315	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		W8	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J		W9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8502	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		W16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8503	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		W17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8504	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J		W18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8505	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		W19	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8506	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		W20	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J		W22	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L3001	QQL231J-R22Y	COIL	0.22uH J		W23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4001	QQL29BJ-100Z	P COIL	10uH J		W24	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4002	QQL29BJ-100Z	P COIL	10uH J		W25	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4005	QQL29BJ-100Z	P COIL	10uH J		W26	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4201	QQL29BJ-100Z	P COIL	10uH J		W27	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5202	QQL26AK-330Z	COIL	33uH K		W28	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5203	QQL26AK-330Z	COIL	33uH K		W29	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5204	QQL26AK-330Z	COIL	33uH K		W30	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5205	QQL26AK-330Z	COIL	33uH K		W31	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L5206	QQL26AK-330Z	COIL	33uH K		W32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6002	QQL29BJ-100Z	P COIL	10uH J		W33	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6005	QQL231J-5R6Y	COIL	5.6uH J		W34	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6801	QQL29BK-1R0Z	P COIL	1uH K		W35	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6802	QQL29BK-1R0Z	P COIL	1uH K		W36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6803	QQL29BK-1R0Z	P COIL	1uH K		W38	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L6804	QQL29BK-1R0Z	P COIL	1uH K		W39	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7302	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W40	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W41	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7305	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W42	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7306	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W43	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7311	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W44	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7312	QRE141J-101Y	C RESISTOR	100Ω 1/4W J		W45	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7325	QQL071J-6R8Y	COIL	6.8uH J		W46	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L8501	QQL071J-1R0Y	COIL	1uH J		W47	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ T5001	QQS0333-001	SW TRANSF			W48	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B5504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		W49	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6830	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		W50	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B6831	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		W51	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					W52	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					W53	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local
W54	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
WR1	QUB460-07A1A1-E	SIN TWIST WIRE		
X3001	QAX0728-001	CRYSTAL	14.318180MHZ	
X3002	QAX0444-001	CRYSTAL	32.768kHz	
X4201	QAX0849-001	CRYSTAL		
HS1	QZW0155-001	HEAT SINK	FOR IC5101	
OT1	QYTDST3008ZA	TAP SCREW	FOR IC5101	

△ Symbol No.	Part No.	Part Name	Description	Local
J7001	QND0084-001	S JACK		
J7002	QNN0364-002	PIN JACK		
S7112	QSW0381-001Z	TACT SWITCH	CH+/UP	
S7113	QSW0381-001Z	TACT SWITCH	CH-/DOWN	
S7114	QSW0381-001Z	TACT SWITCH	RIGHT/PLAY	
S7115	QSW0381-001Z	TACT SWITCH	LEFT/STOP	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7135	QSW0381-001Z	TACT SWITCH	OK/REC	

Operation board

Block No. [2][6]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-02B3	OPERATION P.ASSY		
IC7101	GP1UM281XKVF	IR DETECT UNIT		
IC7101	or PNA4652M00XB	IR DETECT UNIT	38kHz	
Q7101	2SC1740S/QRS/-T	TRANSISTOR		
Q7101	or KTC3199/YG/-T	TRANSISTOR		
D7101	1SS133-T2	SI DIODE		
D7101	or 1SS270A-T2	SI DIODE		
D7105	1SS133-T2	SI DIODE		
D7105	or 1SS270A-T2	SI DIODE		
D7106	SDPB3DC0/Z1/	LED	BLUE LIGHT	
C7101	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
R7104	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R7105	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R7106	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
CN7103	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
S7101	QSW0381-001Z	TACT SWITCH	OPERATION	
OT1	LP31478-001A	LED HOLDER	FOR D7106	
OT2	LP41267-001A	SHRINK TUBE	FOR LED	

Switch/Jack board

Block No. [2][7]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-02B2	SW/JACK BOARD ASSY		
D7113	1SS133-T2	SI DIODE		
D7113	or 1SS270A-T2	SI DIODE		
D7114	1SS133-T2	SI DIODE		
D7114	or 1SS270A-T2	SI DIODE		
D7115	1SS133-T2	SI DIODE		
D7115	or 1SS270A-T2	SI DIODE		
D7116	1SS133-T2	SI DIODE		
D7116	or 1SS270A-T2	SI DIODE		
D7117	1SS133-T2	SI DIODE		
D7117	or 1SS270A-T2	SI DIODE		
C7152	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C7154	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
R7151	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7152	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7153	QRE141J-750Y	C RESISTOR	75Ω 1/4W J	
R7154	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7155	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
CN7101	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
CN7102	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	

Display board

Block No. [2][8]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10281-02B1	DISPLAY BOARD ASSY		
IC7001	PT6315	IC		
D7021	MTZJ9.1B-T2	Z DIODE		
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	
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	
R7001	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7002	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7003	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R7005	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7006	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R7007	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7010	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7013	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7014	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7015	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
CN7001	QGB1231L1-13	CONNECTOR	B-B (1-13)	
CN7002	QGF1208F1-10	CONNECTOR	FFC/FPC (1-10)	
CN7003	QGF1207C1-10	CONNECTOR	FFC/FPC (1-10)	
DI7001	QLF0159-001	FL TUBE		
HD1	LP21359-001A	FL HOLDER(L)		
HD2	LP21360-001A	FL HOLDER(U)		

Jack board

Block No. [3][6]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10284-07A2	DV JACK BOARD ASSY		
B4121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B4124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN4104	QGB1231M1-09	CONNECTOR	DIGITAL	
GN4101	QNZ0136-001Z	EARTH PLATE		
J4112	QNZ0675-001	D CONNECTOR	F-DV	

Digital board

Block No. [5][0]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10289-11A	DIGITAL BOARD ASSY		
IC1201	LPN0995-001A	IC(FLASH)	(SERVICE)	
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8602-B0	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1601	NT5DS16M16CS-6K	IC		
IC1601	or HY5DU561622DT-J	IC		
IC1601	or K4H561638F-UCB3	IC		
IC1602	NT5DS16M16CS-6K	IC		
IC1602	or HY5DU561622DT-J	IC		
IC1602	or K4H561638F-UCB3	IC		
IC1701	BD3533F-X	IC		
IC1801	TSB41AB1PAP	IC		
IC1901	L2150-W	IC		
Q1901	2SA1530A/QR/-X	TRANSISTOR		
Q1901	or 2SB709A/QR/-X	TRANSISTOR		
Q1901	or 2SA1037AK/QR/-X	TRANSISTOR		
Q1903	2SC3928A/QRS/-X	TRANSISTOR		
Q1903	or 2SD601A/QRS/-X	TRANSISTOR		
Q1903	or 2SC2412K/QRS/-X	TRANSISTOR		
D1401	MA111-X	SI DIODE		
D1401	or 1SS355-X	SI DIODE		
D1402	MA111-X	SI DIODE		
D1402	or 1SS355-X	SI DIODE		
C1101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1105	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1108	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1111	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1112	NEX60GM-337X	E CAPACITOR	330uF 4V M	
C1113	NEHM0JM-107X	E CAPACITOR	100uF 6.3V M	
C1116	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1118	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1119	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1120	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1121	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1124	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1126	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1127	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1210	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1419	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1420	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1422	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1423	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1424	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1425	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1427	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1434	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1435	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local
C1437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1442	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1444	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1445	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1447	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1448	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1453	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1455	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1457	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1459	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1460	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1461	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1462	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1606	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1607	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1609	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1610	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1613	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1614	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1618	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1619	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1620	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1627	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1652	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1702	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1704	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1705	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1706	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C1801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1803	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1805	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1807	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1808	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C1809	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J	
C1810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1811	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1813	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1901	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1902	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1904	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1905	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C1906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1909	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1910	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1912	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1913	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1914	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1915	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1918	NDC31HJ-101X	C CAPACITOR	100pF 50V J	

△ Symbol No.	Part No.	Part Name	Description	Local
RA2209	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2210	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2211	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
RA2212	NRZ0087-330W	NET RESISTOR	33Ω 1/16W J	
L1901	NQL085J-1R8X	COIL	1.8uH J	
B1204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
B1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
B1702	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN1101	QGB1231L2-15W	CONNECTOR	FJ 15PIN	
CN1102	QGB1231L2-15W	CONNECTOR	FJ 15PIN	
CN1103	QGF1016C2-15W	CONNECTOR	1-15	
CN1402	QGA2001C6-04X	CONNECTOR	CPRM	
CN1403	QGF1016C2-04W	CONNECTOR	LOG	
CN1404	QGF1016C2-05W	CONNECTOR	DTV	
CN1801	QGB1231L2-09W	CONNECTOR	FJ 9PIN	
CN2201	QGF050C1-40W	CONNECTOR	F/T F_END	
GN1101	QNZ0136-001Z	EARTH PLATE		
GN1102	QNZ0136-001Z	EARTH PLATE		
GN1103	QNZ0136-001Z	EARTH PLATE		
GN1104	QNZ0136-001Z	EARTH PLATE		
K1101	NQR0022-002X	FERRITE BEADS		
K1102	NQR0022-002X	FERRITE BEADS		
K1103	NQR0022-002X	FERRITE BEADS		
K1104	NQR0022-002X	FERRITE BEADS		
K1108	NQR0022-002X	FERRITE BEADS		
K1110	NQR0022-002X	FERRITE BEADS		
K1112	NQR0022-005X	FERRITE BEADS		
K1113	NQR0022-005X	FERRITE BEADS		
K1114	NQR0022-005X	FERRITE BEADS		
K1115	NQR0022-005X	FERRITE BEADS		
K1116	NQR0022-005X	FERRITE BEADS		
K1117	NQR0022-005X	FERRITE BEADS		
K1118	NQR0022-005X	FERRITE BEADS		
K1119	NQR0022-005X	FERRITE BEADS		
K1120	NQR0022-005X	FERRITE BEADS		
K1121	NQR0022-005X	FERRITE BEADS		
K1122	NQR0022-005X	FERRITE BEADS		
K1123	NQR0022-005X	FERRITE BEADS		
K1126	NQR0022-002X	FERRITE BEADS		
K1127	NQR0022-002X	FERRITE BEADS		
K1128	NQR0022-002X	FERRITE BEADS		
K1129	NQR0022-002X	FERRITE BEADS		
K1130	NQR0022-002X	FERRITE BEADS		
K1131	NQR0022-002X	FERRITE BEADS		
K1201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1401	NQR0022-002X	FERRITE BEADS		
K1402	NQR0022-002X	FERRITE BEADS		
K1403	NQR0022-002X	FERRITE BEADS		
K1404	NQR0022-002X	FERRITE BEADS		
K1406	NQR0022-002X	FERRITE BEADS		
K1408	NQR0022-002X	FERRITE BEADS		
K1801	NQR0022-002X	FERRITE BEADS		
K1802	NQR0022-002X	FERRITE BEADS		
K1901	NQR0022-002X	FERRITE BEADS		
K1902	NQR0022-002X	FERRITE BEADS		
K2201	NQR0022-002X	FERRITE BEADS		
K2202	NQR0022-002X	FERRITE BEADS		
K2203	NQR0022-002X	FERRITE BEADS		
K2204	NQR0022-002X	FERRITE BEADS		
K2205	NQR0022-002X	FERRITE BEADS		
K2206	NQR0022-002X	FERRITE BEADS		
K2207	NQR0022-002X	FERRITE BEADS		
K2208	NQR0022-002X	FERRITE BEADS		
K2209	NQR0022-002X	FERRITE BEADS		
K2210	NQR0022-002X	FERRITE BEADS		
K2211	NQR0022-002X	FERRITE BEADS		
K2212	NQR0022-002X	FERRITE BEADS		
K2213	NQR0022-002X	FERRITE BEADS		
K2214	NQR0022-002X	FERRITE BEADS		
K2215	NQR0022-002X	FERRITE BEADS		
K2216	NQR0022-002X	FERRITE BEADS		
K2217	NQR0022-002X	FERRITE BEADS		
K2218	NQR0022-002X	FERRITE BEADS		
K2219	NQR0022-002X	FERRITE BEADS		
K2220	NQR0022-002X	FERRITE BEADS		

△ Symbol No.	Part No.	Part Name	Description	Local
K2221	NQR0022-002X	FERRITE BEADS		
LC1101	NQR0512-008X	EMI FILTER		
LC1102	NQR0512-008X	EMI FILTER		
LC1103	NQR0512-008X	EMI FILTER		
LF1801	NQR0568-005X	CHOKE COIL		
X1401	NAX0768-001X	CRYSTAL	13.5MHz	
X1801	NAX0773-001X	CRYSTAL		
X1901	NAX0733-001X	CRYSTAL	14.31818MHz	

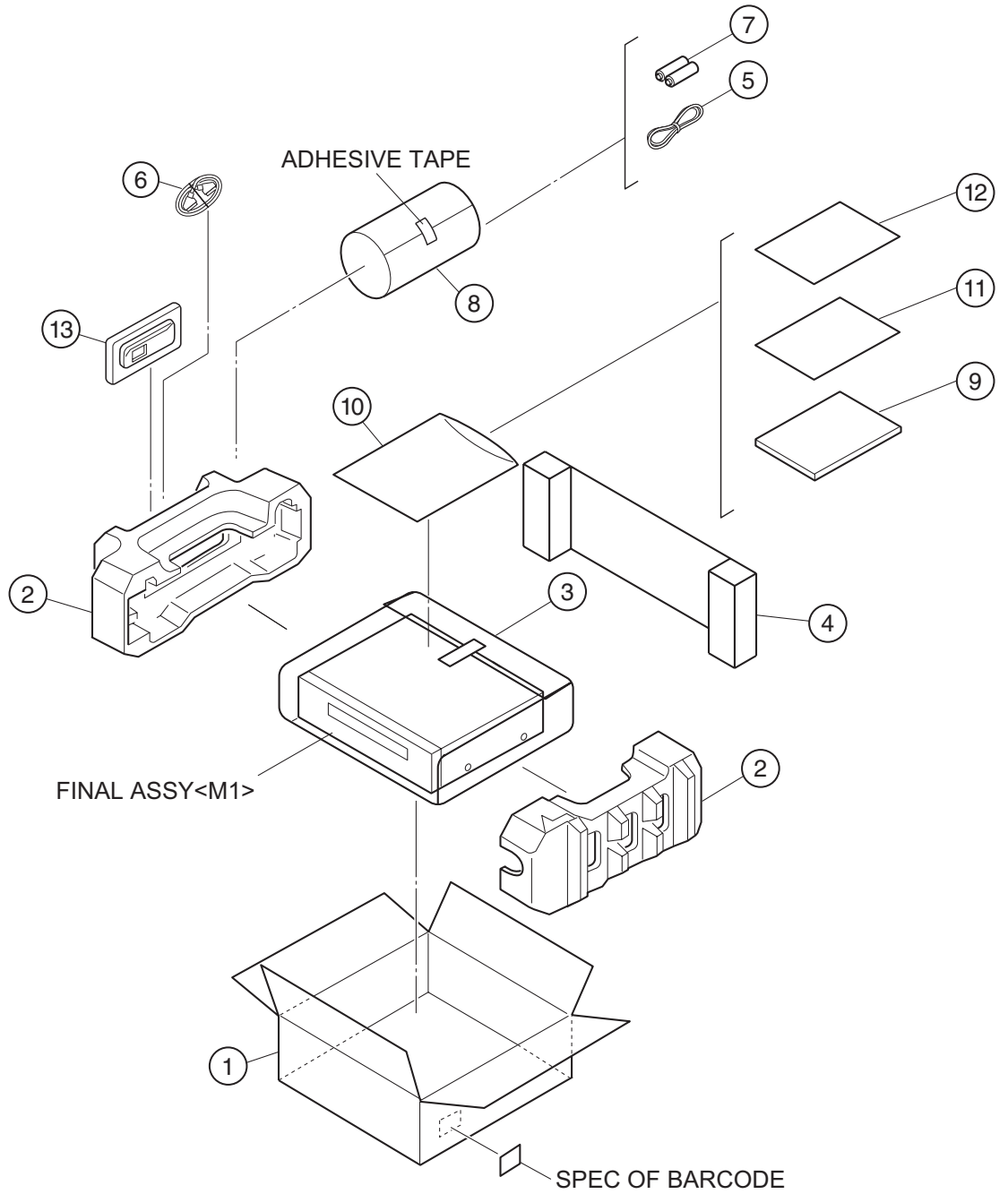
RGB_YC converter board

Block No. [6][8]

△ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10291-01A	RGB_YC BOARD ASSY		
IC4401	BH7236AF-X	IC		
IC4402	MM1503XN-X	IC		
IC4403	74HC4538D-X	IC		
IC4404	BA7666FS-X	IC		
D4401	RB717F-X	SB DIODE		
C4401	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4404	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4405	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4406	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4407	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C4409	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4410	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4412	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4413	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4418	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C4419	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4420	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4421	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4422	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4423	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4424	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
R4401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4402	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R4403	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4404	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4405	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R4411	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R4412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R4413	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R4414	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R4415	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4416	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4417	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4419	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CN4402	QGG2502K1-12	CONNECTOR	(1-12)	
OT1	LP40425-001A	BRACKET(PWB)		

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	LP31508-002A	PACKING CASE		
2	LP31494-001B	CUSHION ASSY		
3	QPC06005515P	POLY BAG	60cm x 55cm	
4	LP31399-003A	SHEET ASSY		
5	QAM0525-002	RF CABLE		
6	QAM0502-002	PERI CABLE		
7	-----	BATTERY	R6TYPE(x2)	
8	QPC02202230P	POLY BAG	ACCESSORY	
△ 9	LPT1045-001A	INST.BOOK	ENGLISH	
10	QPC02503530P	POLY BAG	INST	
11	LYT0194-001B	Q.CARD		
12	-----	WARRANTY CARD	BT-54027-1	
13	RM-SDR030E-1	REMOCON UNIT		