JVC

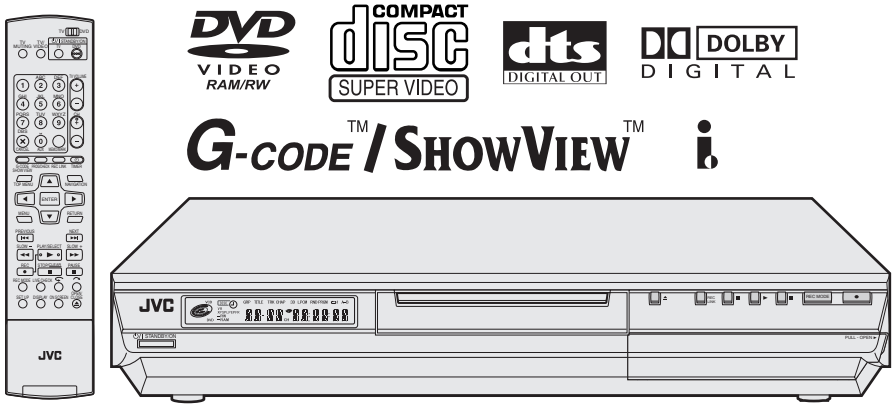
SERVICE MANUAL

DVD VIDEO RECORDER

DR-M10SAA, DR-M10SAG
DR-M10SAX

Area Suffix

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



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

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

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No.YD025
2004/6

SPECIFICATION

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

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

- 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.
- G-CODE is a trademark of Gemstar Development Corporation and is registered in the following countries: Australia, China, Hong Kong, Japan, South Korea, New Zealand, and Taiwan. SHOWVIEW is a trademark of Gemstar Development Corporation and is registered in the following countries: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Russia, Slovakia, South Africa, Spain, Sweden and Switzerland.
  The G-CODE/SHOWVIEW system is manufactured under license from Gemstar Development Corporation.
  G-CODE and SHOWVIEW are different trademarks used to represent the same easy recording feature. However, for simplicity, only the term G-CODE will be used in the instructions. If you use SHOWVIEW system, follow the same steps listed for the G-CODE system.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing users only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

SECTION 1
PRECAUTION

1.1 Safety Precautions

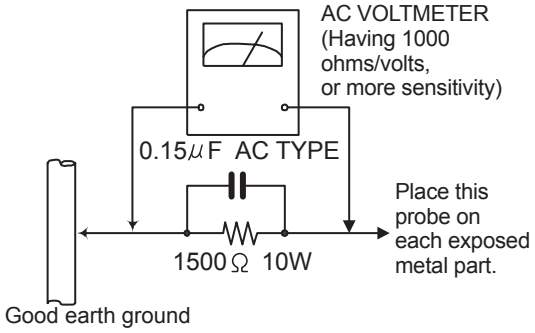
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture 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 (⚠) 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 parts 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, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF 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 preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " 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 dose not Except the J and C version)

1.5 Preventing static electricity

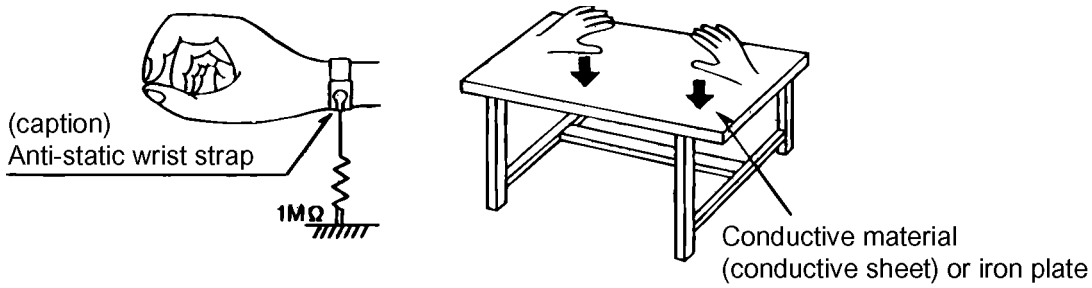
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.5.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as DVD players.
Be careful to use proper grounding in the area where repairs are being performed.

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

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



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

1.6 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t 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 inter lock 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.**

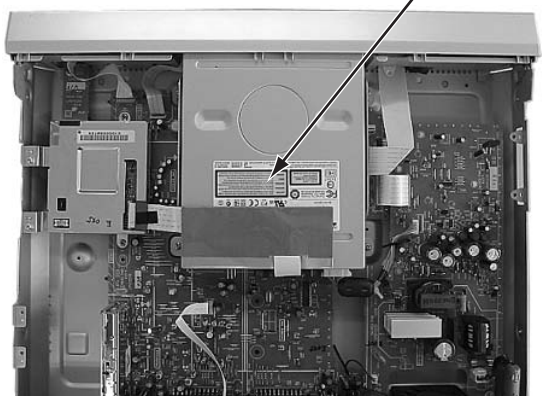
CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSUREBTO BEAM.	**VARNING :** Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller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

REPRODUCTION AND POSITION OF LABEL and PRINT

WARNING LABEL and PRINT

CAUTION	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSAETTELSE FOR STRÅLING SE IKKE IND I STRÅLEN - HELLER IKKE MED OPTISKE INSTRUMENTER.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNDGÅ EKSPONERING FOR STRÅLEN STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.
VARO!	AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.
VARNING	SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STRÅLEN ÄR 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.

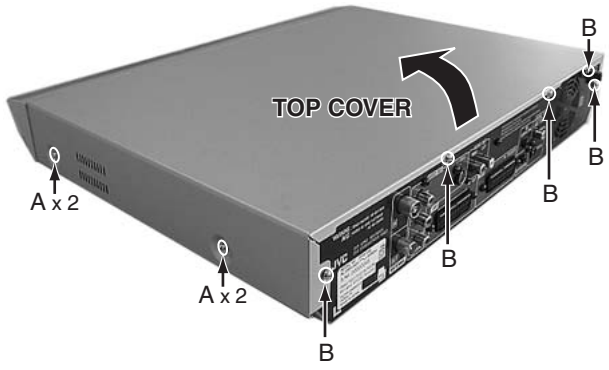


Fig.1

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

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the mechanism assembly.

(1) Disconnect the card wires from connector CN3001, CN3002, CN4001 on the main board.
(2) Hooks **a** and **b** are removed respectively, and the front panel assembly is removed.

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

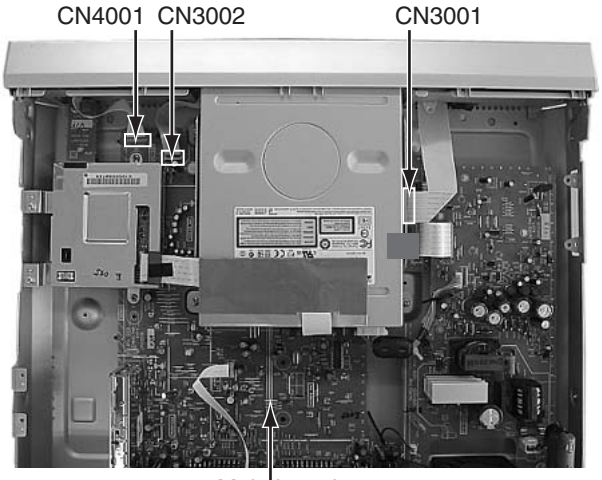


Fig.2

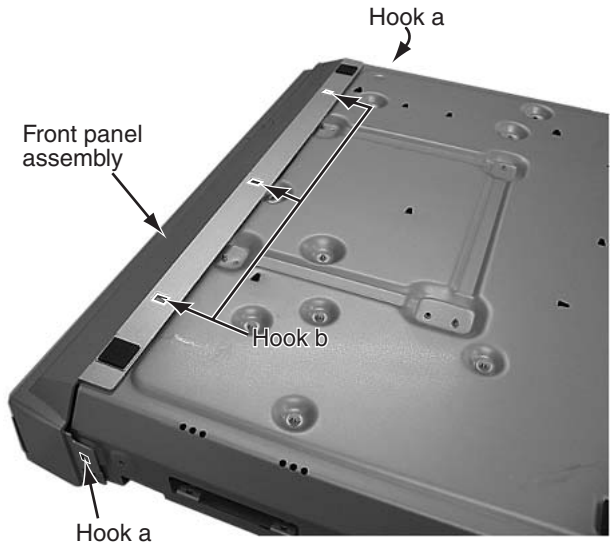


Fig.3

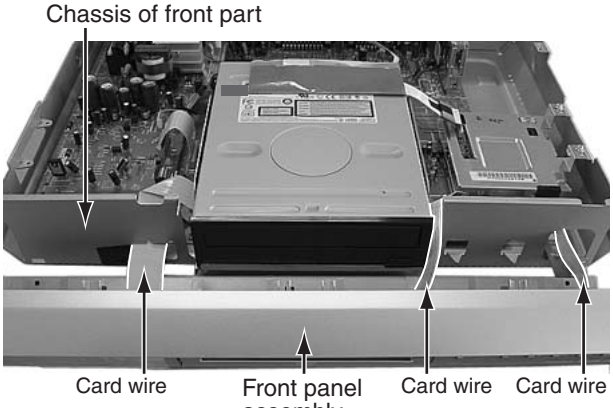


Fig.4

3.1.3 Remove the mechanism assembly (See figure 5)

- Prior to performing the following procedure, remove the top cover.
- There is no need to remove the front panel assembly.

(1) Disconnect the socket wire from connector CN5303 on the switching regurator board.
(2) Disconnect the card wire from connector CN2201 on the digital board.
(3) Remove the four screws **C** attaching the mechanism assembly.

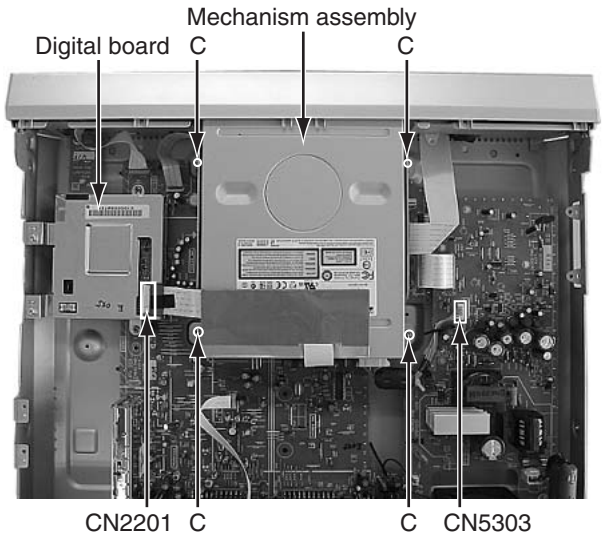


Fig.5

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

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

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

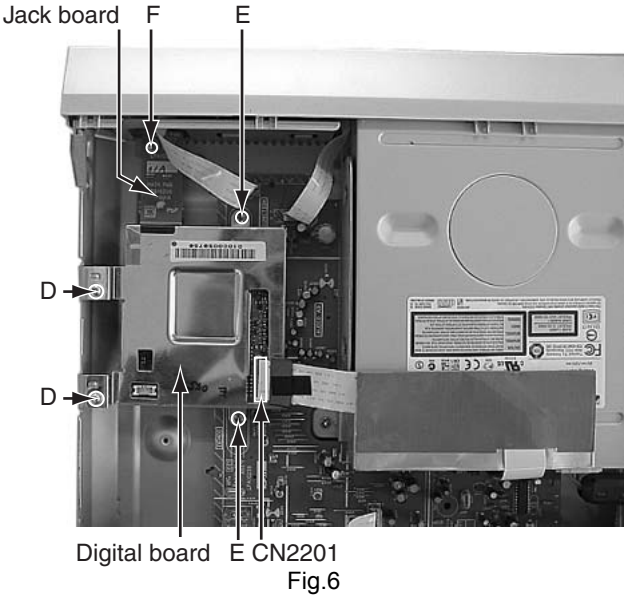


Fig.6

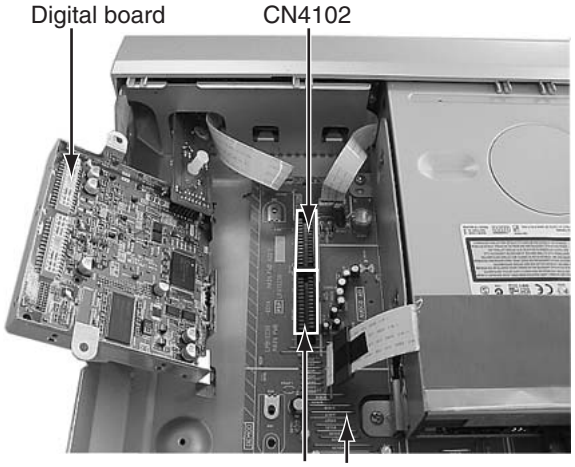


Fig.7

3.1.5 Remove the switching regurator board (See figure 8)

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

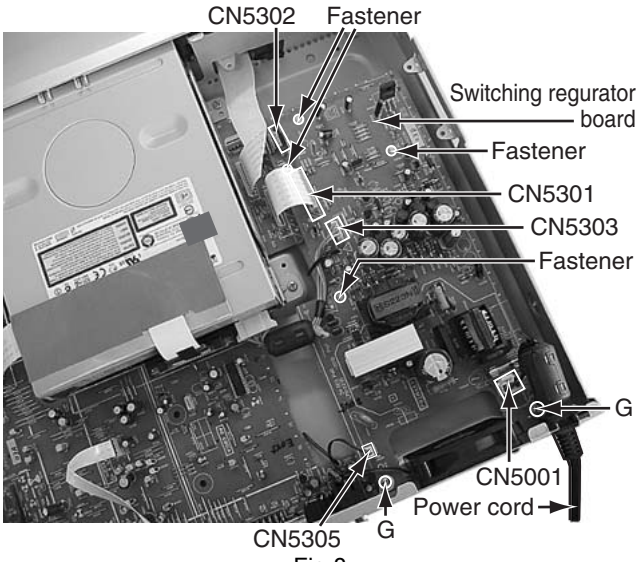


Fig.8

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

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

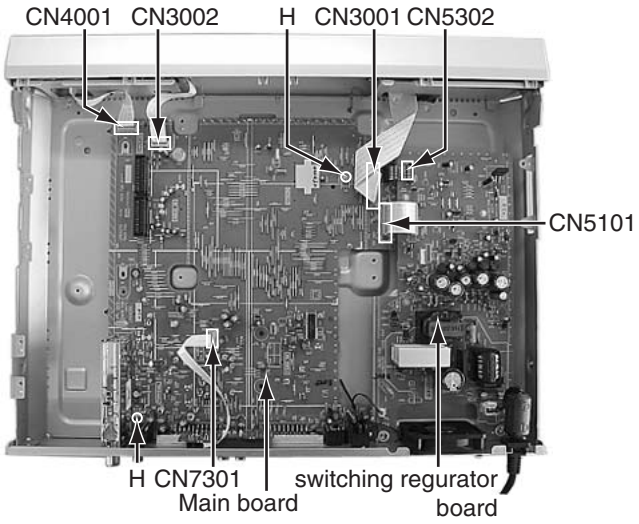


Fig.9

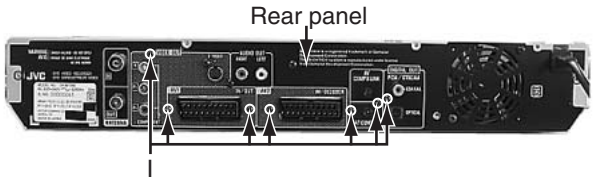


Fig.10

SECTION 4
ADJUSTMENT

4.1 Timer clock adjustment

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

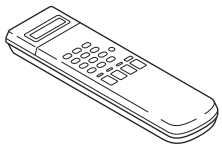
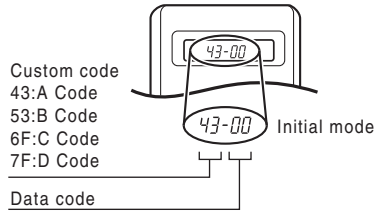
Signal	(A1)	No signal
Mode	(B)	EE
Equipment	(C)	Frequency counter
Measuring point	(D1) (D2) (D3)	IC3001 pin 61 IC3001 pin 17 C3026 + and -
Adjustment part	(F)	C3025 (TIMER CLOCK)
Specified value	(G1)	1024.008 ±0.001 Hz (976.5549 ±0.0010 usec)

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

SECTION 5
TROUBLESHOOTING

5.1 JIG Mode

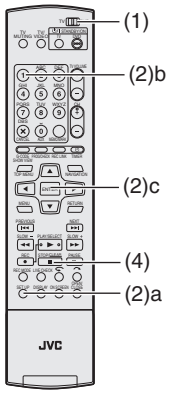
The following remote control units are required to set and cancel JIG mode.
For setting : a remote control unit attached to product.
For cancellation : JIG remote control unit (part number : PTU94023B)

Remote control unit attached to product	JIG remote control unit
	 JIG remote control unit [Data transmission] Set the data code, and then press the ") " 3 button. 

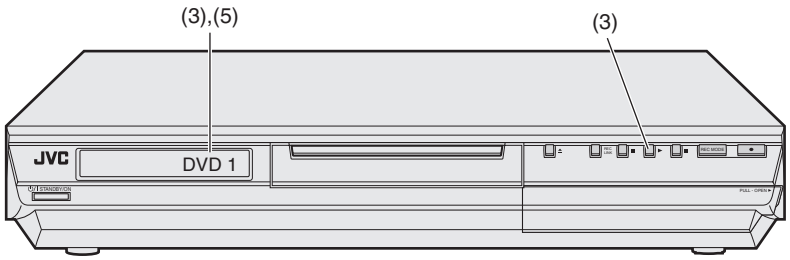
When the main body is set to JIG mode and when the main body is under JIG mode, the remote control unit attached to product operates only in "Remote Control Code 1". Since main body is in "Remote Control Code 3" when it is shipped and just after its batteries are changed, "Remote Control Code 3" needs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

< Changing Remote Control Code >

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



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



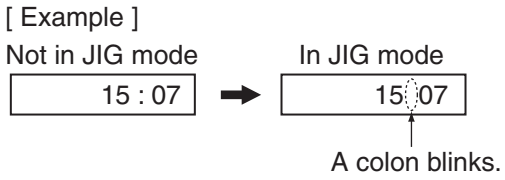
5.1.1 Setting JIG mode

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

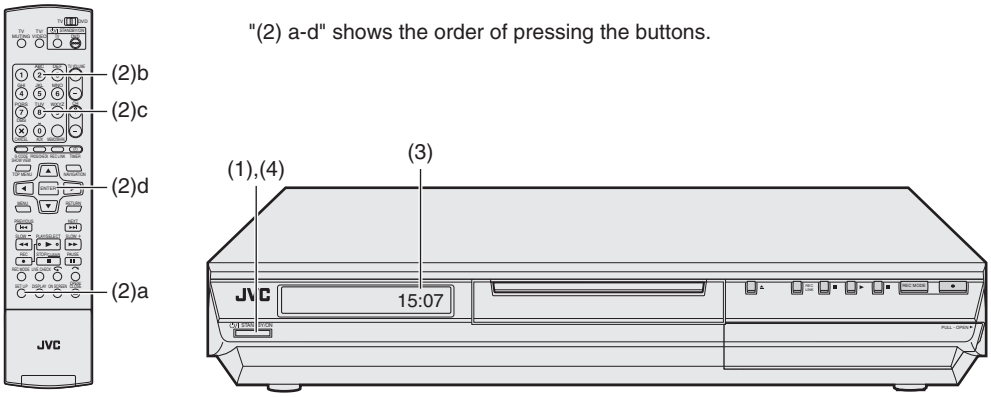
(1) Turn the main body ON.

(2) Press the buttons of the remote control unit attached to product in the following order : "SET UP" → "2" → "8" → "ENTER"

(3) When a colon ":" between "hour" and "minute" of a clock in FL indicator blink, it means that the main body has been set to JIG mode properly.



(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.

(2) A colon ":" between "hour" and "minute" of a clock in FL indicator light.

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

NOTE:

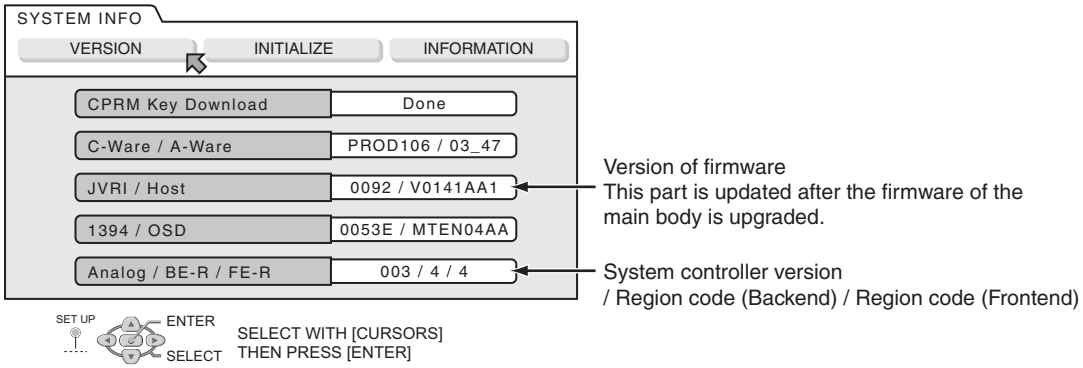
After repair work, be sure to cancel JIG mode. Before returning product to a user, confirm that a colon ":" between "hour" and "minute" of a clock in FL indicator light.

5.1.3 Displaying SYSTEM INFO

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

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

< VERSION >



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

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

5.1.4 Updating firmware of the main body

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

ATTENTION :
Firmware may sometimes not be updated successfully.
If firmware is not updated successfully, the tray opens, and "ERROR" appears in FL indicator.
If firmware is updated successfully, the tray opens, and "OPEN" appears in FL indicator.
If the power cord is pulled out from the wall socket while "ERROR" appears, data in the flash memory is destroyed and the main body cannot start: the flash memory needs to be replaced.
After updating procedure, pay enough attention to FL indicator when the tray opens.

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

5.2 The setting method of a region code

A region code should be set after a DVD recorder mechanism unit is replaced.
While a DVD recorder mechanism unit is in a warehouse as a stock, a region code of the drive unit is not determined.
Only replacement of a DVD recorder mechanism unit may cause abnormal playback of Disc.
Set a region code of a DVD recorder mechanism unit in the following procedure.

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

5.3 Taking out a disc

5.3.1 Method 1

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

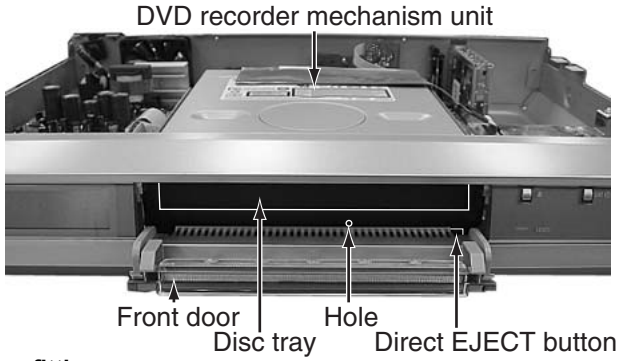
5.3.2 Method 2

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

5.3.3 Method 3

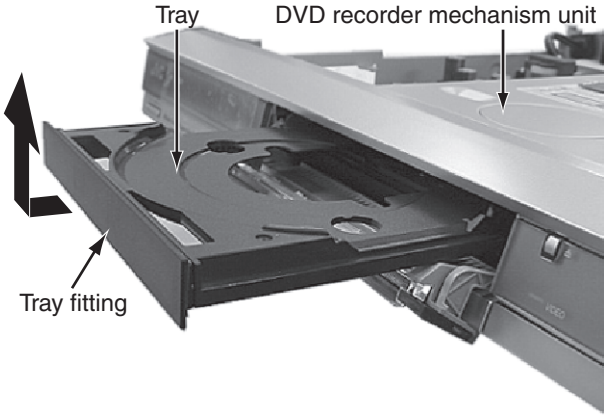
A Disc can be taken out manually even when the main body is turned off.

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



5.4 The exchange method of a tray fitting

When DVD recorder mechanism unit is exchanged, please transplant a tray fitting from an old drive, or change for a new tray fitting.
A tray is pulled out manually, as shown in a figure, it carries out, and a tray fitting is removed.



JVC

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

(No.YD025)

Printed in Japan
WPC

JVC

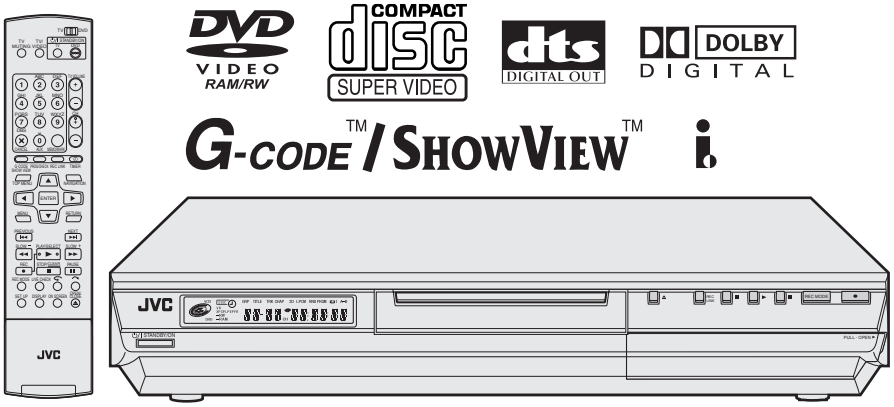
SCHEMATIC DIAGRAMS

DVD VIDEO RECORDER

DR-M10SAA, DR-M10SAG
DR-M10SAX

CD-ROM No.SML200406

Area Suffix	
AA	Australia
AG	Universal Asia
AX	Middle East



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

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

No.YD025SCH
2004/06

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

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

1. Units of components on the schematic diagram

Unless otherwise specified.

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

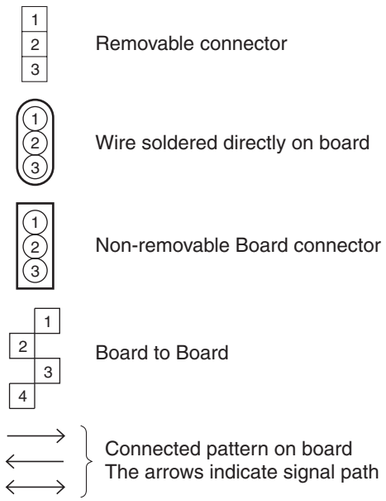
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

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

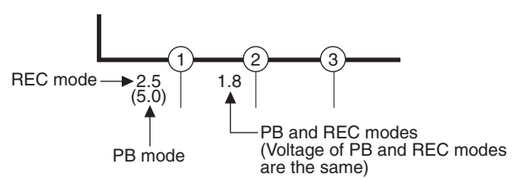
3. Interpreting Connector indications



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

4. Voltage measurement

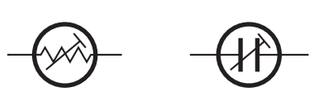
1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
2) Indication on schematic diagram
   Voltage indications for REC and PB mode on the schematic diagram are as shown below.



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

6. Indication of the parts for adjustments

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



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

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

CIRCUIT BOARD NOTES

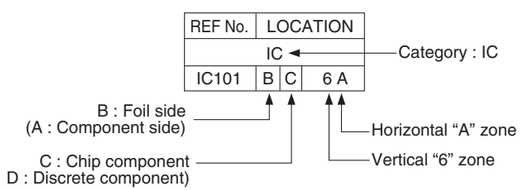
1. Foil and Component sides

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

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

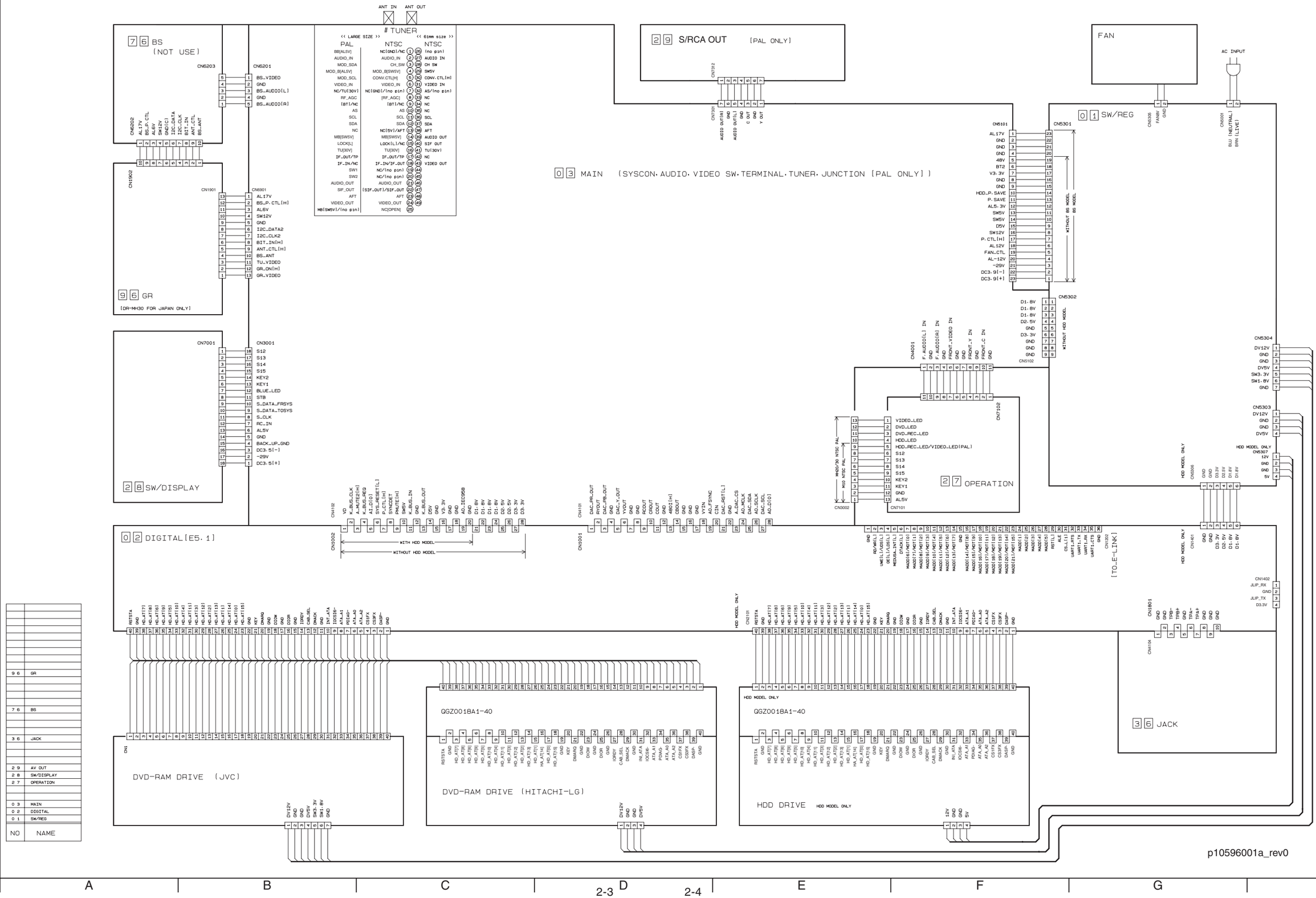
2. Parts location guides

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



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

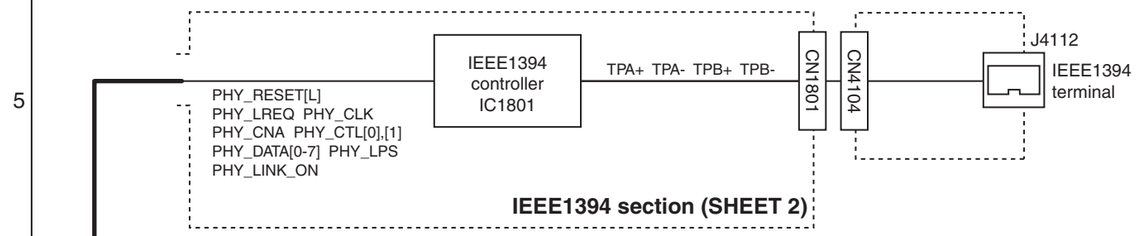
Wiring diagram

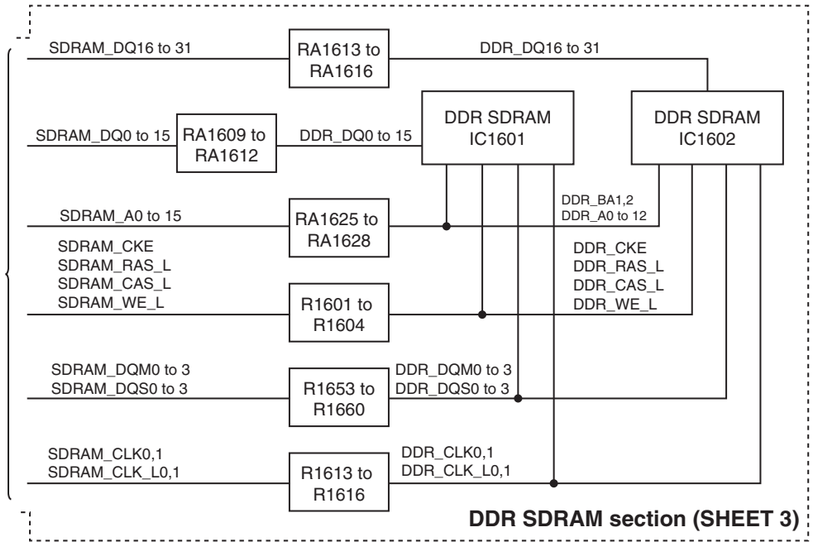


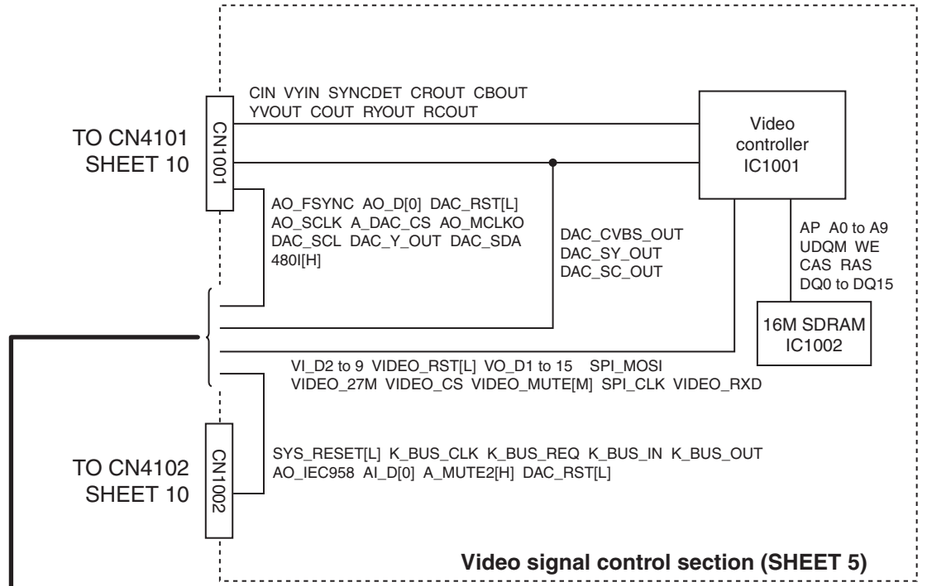
NO	NAME
9 6	GR
7 6	BS
3 6	JACK
2 9	AV OUT
2 8	SW/DISPLAY
2 7	OPERATION
0 3	MAIN
0 2	DIGITAL
0 1	SW/REG

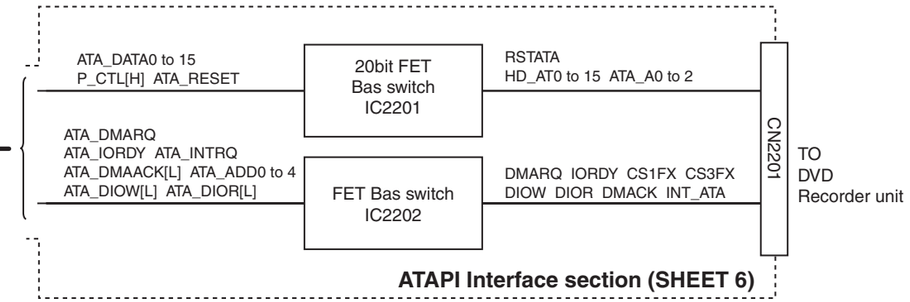
Block diagrams

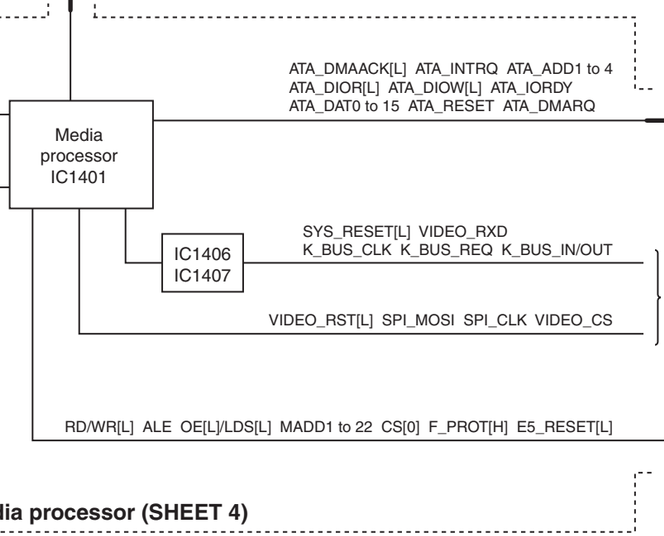
■ DIGITAL 0 2

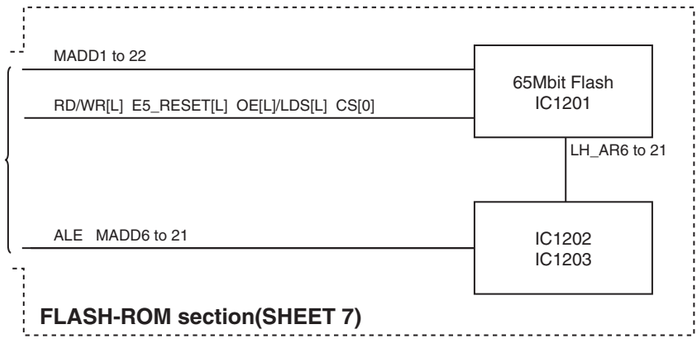












■ MAIN 0 3

Audio signal control section (SHEET 8)

TO SHEET 11

AUDIO_OUT1[L/R]

Muting
Q8201,Q8202

A_MUTE2[H]

DEC_OUT[L/R]
LINE_OUT[L/R]

IC8301
IC8302

IC8202

AOUTL ±
AOUTR ±

DAC_SDA
DAC_SCL
A_DAC_CS
DAC_RST[L]
AO_D[0]

2chDA converter
IC8201

AUDIO_IN1[L/R]
AUDIO_IN2[L/R]

F_AUDIO[L/R]

24bit
A/D
combatr
IC8001

AO_SCLK AO_FSYNC AO_MCLKO

AI_D[0]

TU_AUDIO[L/R]

AV1_L
AV2_H

A_MUTE1[H]

AO_IEC958

J8401
Optical digital
OUT

J8501
COAXIAL OUT

IC8501

ACD_RST[L]
I2C_CLK2 I2C_DATA2

TO SHEET 13

Audio / video signal input control section (SHEET 9)

TO CN7102
SHEET 14

CN4001

F_AUDIO[L/R]

Video controller
IC4001

REAR1_C_IN REAR 1_YV_IN
REAR2_C_IN REAR 2_YV_IN

YTODIGI CTODIGI

FRONT_VIDEO
FRONT_Y_IN
FRONT_C_IN

I2C_DATA_A/V I2C_CLK_A/V

SYNC_DET
I2C_CLK2 I2C_DATA2

IC4201

IC4301

SECAM_DET[H] SEPA_IN[H]

SYNC+BGP.IN

SECAM
IC4304

HD_FROM_PDC

TU_VIDEO

Signal input/output terminal section(SHEET 10)

TO CN1001
SHEET 5

CN4101

RCOUT COUT 480I[H] RYOUT YVOUT CBOUT CROUT

AO_FSYNC AO_D[0] DAC_RST[L] AO_SCLK A_DAC_CS AO_MCLKO
DAC_SCL DAC_SDA

YTODIGI CTODIGI

TO CN1002
SHEET 5

CN4102

AI_D[0] A_MUTE2[H] AO_IEC958

K_BUS_REQ K_BUS_OUT K_BUS_CLK K_BUS_IN SYS_RESET[L]
P_MUTE[H] P_CTL[H] SYNC_DET VD

TO CN5301
SHEET 1

CN5101

FAN_CTL P.CTL[H] P.SAVE

J4109
AV COMPULINK

R.PAUSE

SAT CONTROL

SAT_CTL

Input/output terminal section (SHEET 11)

L-1 SCART Terminal

J7301

RAPID_SW BIAS/RGB_CTL

Q7310 to
Q7312

4_3[H] P50_I/O AV_YC_IN[H] TV[H]

AV1_L

SWITCH
IC7302

SCR_ID

AV2_H RGB_TH[H]

SWITCH
IC7303 to IC7306

VMUTE[L]

V_OUT

R
G
B

CROUT CBOUT
COUT YVOUT

480I[L] RCOUT RYOUT

REAR1_C_IN

REAR1_YV_IN

REAR2_C_IN

REAR2_Y_IN

J7302

L-2 SCART Terminal

J7308
S-VIDEO

J7307
AUDIO OUT

FW7301

CN7301

LINE_OUT[L/R]
AUDIO_IN1[L/R]

AUDIO_OUT1[L/R]

R
G
B
V_OUT

Video driver
IC7301

TO
SHEET 8

J7309
COMPONENT
VIDEO OUT

DEC_OUT[L/R] AUDIO_IN2[L/R]

System controller section(SHEET 12)

SCR_ID 4_3[H] RGB_TH[H] AV1_YC_IN[H] BIAS/RGB_CTL AV1_L AV2_H
RAPID_SW V_MUTE[L] TV[H] P50_I/O

P.MUTE[H] K_BUS_OUT SYS_RESET[L] K_BUS_IN P_CTL[H] K_BUS_CLK FAN_CTL
K_BUS_REQ SYNC_DET VD R.PAUSE SAT_CTL P.SAVE

ADC_RST[L] A_MUTE[H] AV1_L AV2_H I2C_CLK2 I2C_DATA2

System controller
IC3001

SYNC_DET I2C_DATA_A/V I2C_CLK_A/V
SECAM_DET[H] I2C_DATA2 I2C_CLK2 SEPA_IN[H]

I2C_DATA2 I2C_CLK2 TU_DATA TU_CLK
TU_V_MUTE[H] SW1 SW2 AFC RF_AGC

STB RC_IN S_CLK LED_OUT
S_DATA_TOSYS
S_DATA_FRSYS

CN3001

CN3002

TO CN7001
SHEET 14

TO CN7101
SHEET 14

Tuner section(SHEET 13)

TU_V_MUTE[H]

Muting
Q6031

TU_VIDEO

VIDEO_OUT

Tuner
TU6001

TV Multiplex
sound processor
IC6701

TU_AUDIO[L/R]

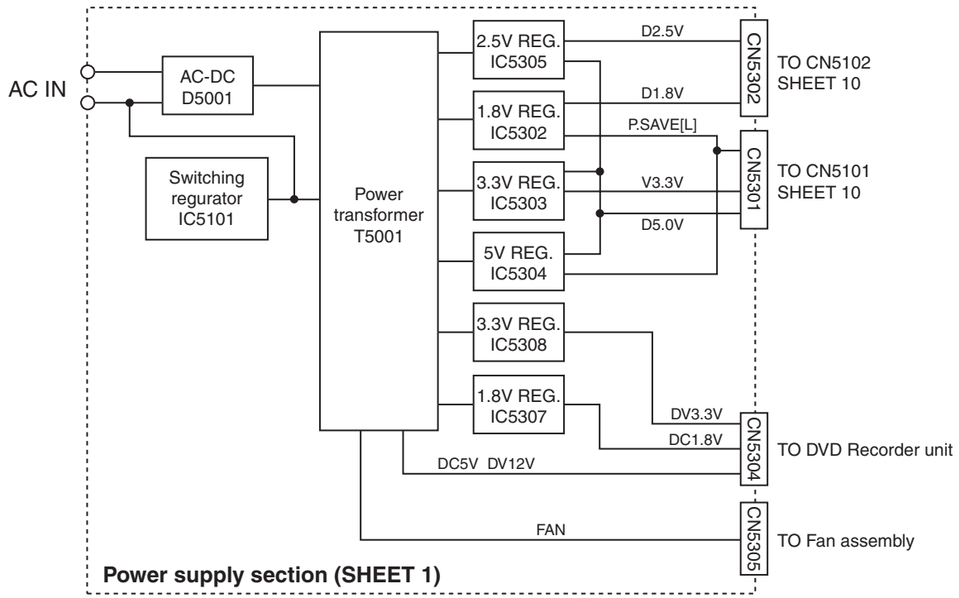
TO SHEET 8

TU_DATA
TU_CLK

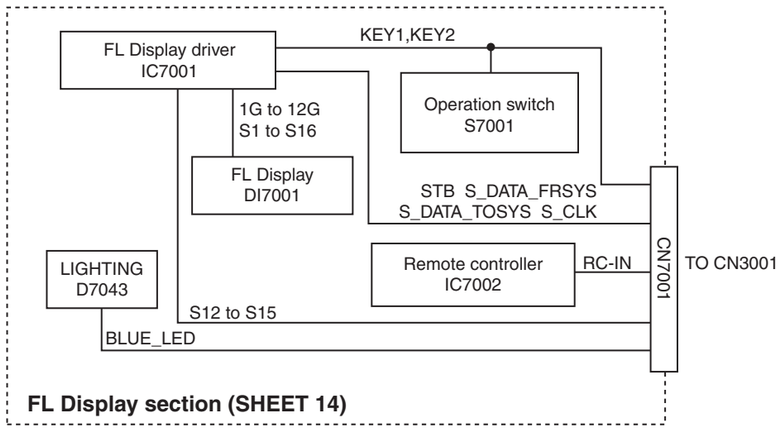
AFC RF_AGC
SW1 SW2

I2C_DATA2 I2C_CLK2

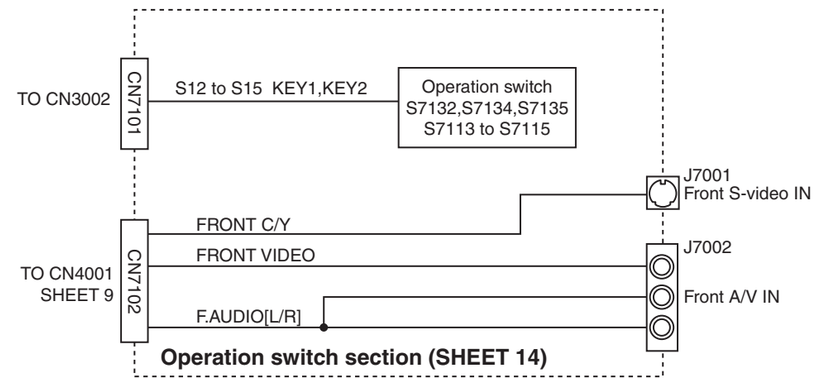
■ SW.REG 0 1



■ SW/DISPLAY 2 8

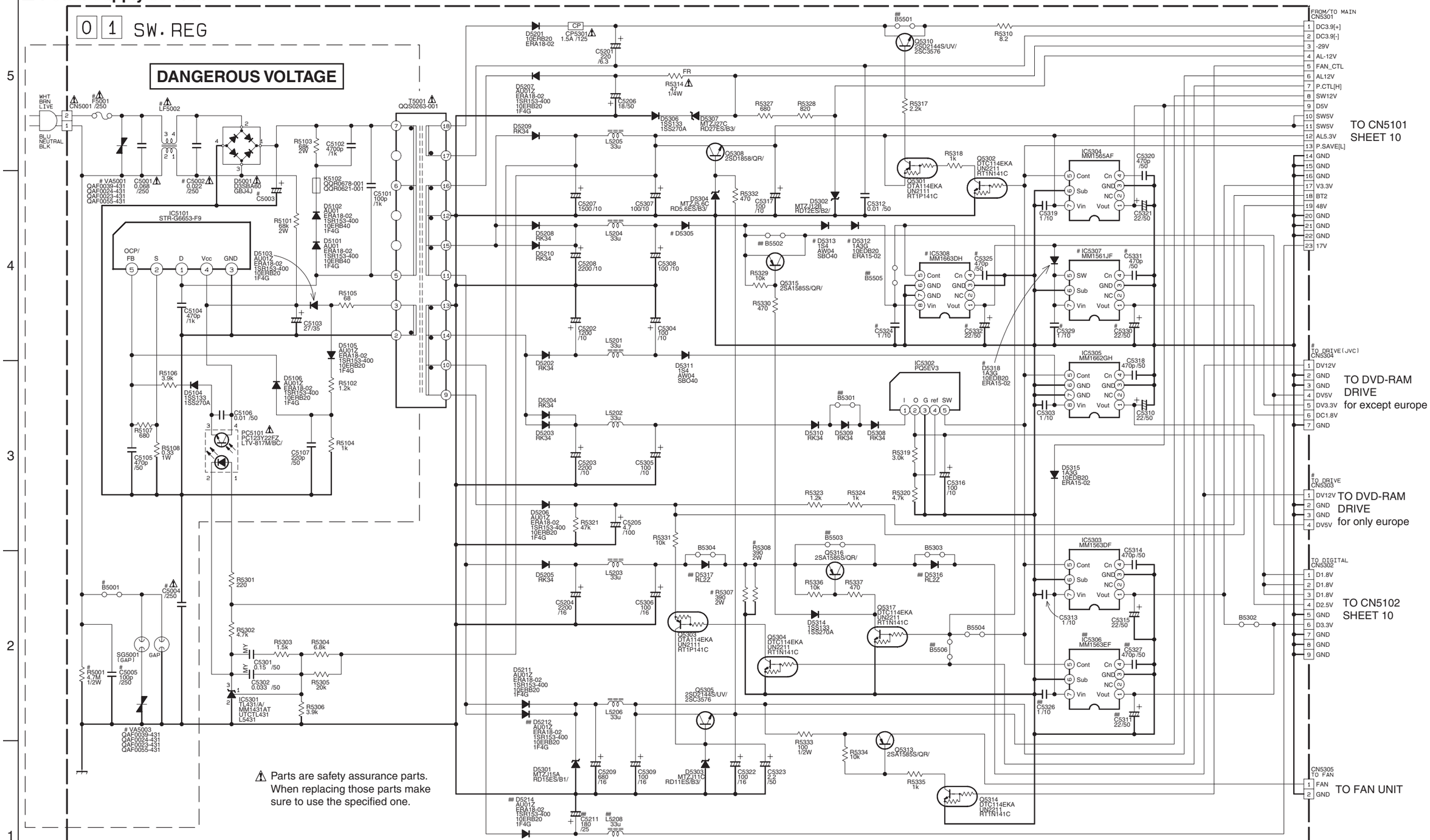


■ OPERATE 2 7



Standard schematic diagrams

■ Power supply section



##MARK ELEMENTA ARE NOT MOUNTED.
#DIFFERENCE TABLE

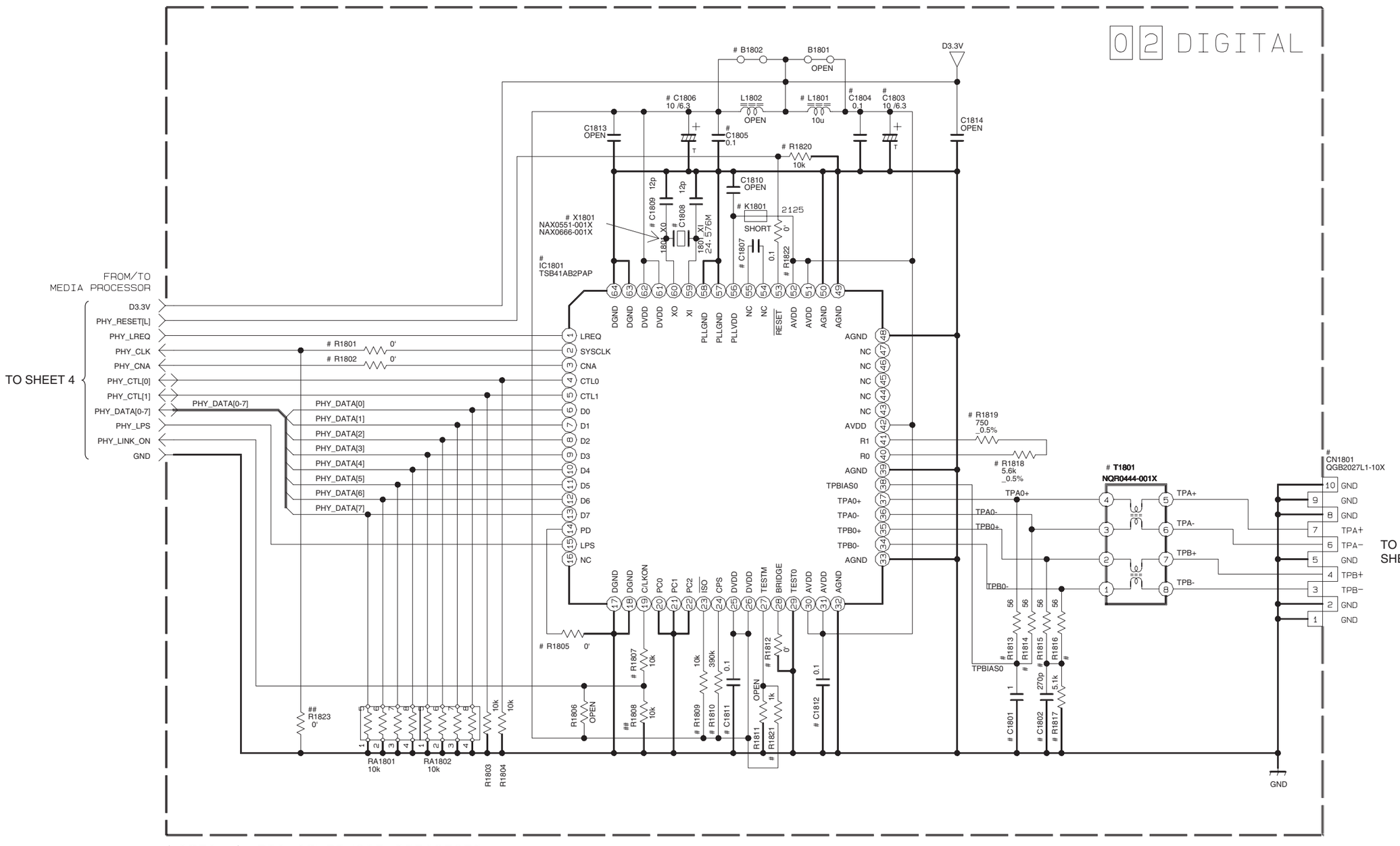
	B5001	C5002	C5003	C5004	C5005	F5001	LF5002	R5001	VA5001	VA5003	C5324 C5330 D5312 IC5308 R5308 C5325 C5331 D5313 R5307 C5329 C5332 D5318 R5307	CN5303	CN5304	D5305
US	YES	NO	330/200	4700p	YES	1.6A	QGR0908-001 QGR0964-001 QGR1215-001	YES	YES	NO	YES	NO	YES	RK34
JPN										YES				
EURO	NO	YES	82/400	2200p	NO	T1.6AL	QGR1031-001	NO	NO	NO	NO	YES	NO	RL2Z

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

p20399001a_rev0

SHEET 1

■ IEEE1394 section



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

ELECTROLYTIC
CERAMIC
OS ORGANIC SEMICONDUCTOR
T TANTAL

DIFFERENCE TABLE

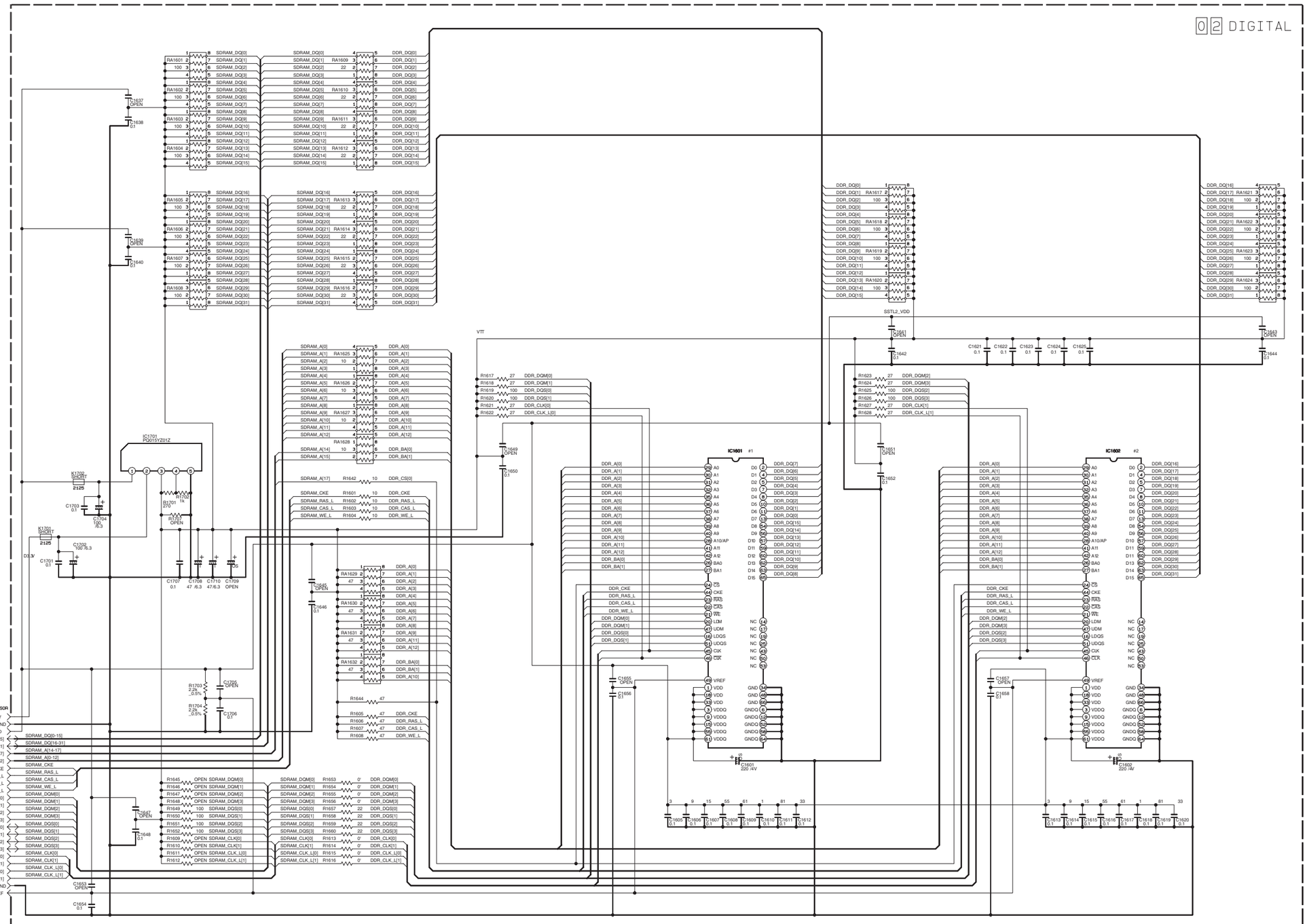
DV IN	# MARK	## MARK
○	○	×
×	×	○

p30122001a_rev1

SHEET 2

2-13 2-14

■ DDR SDRAM section



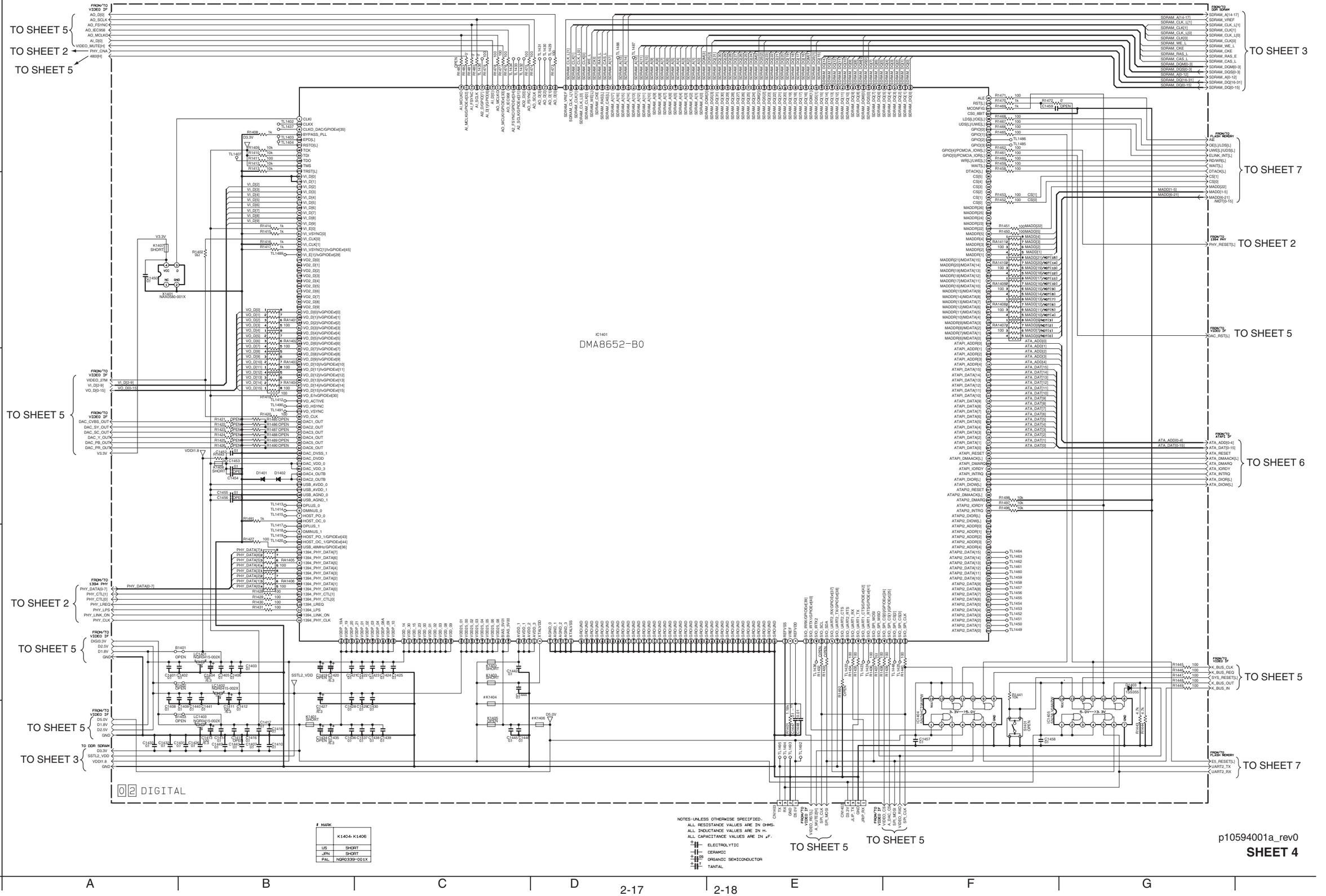
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTAL

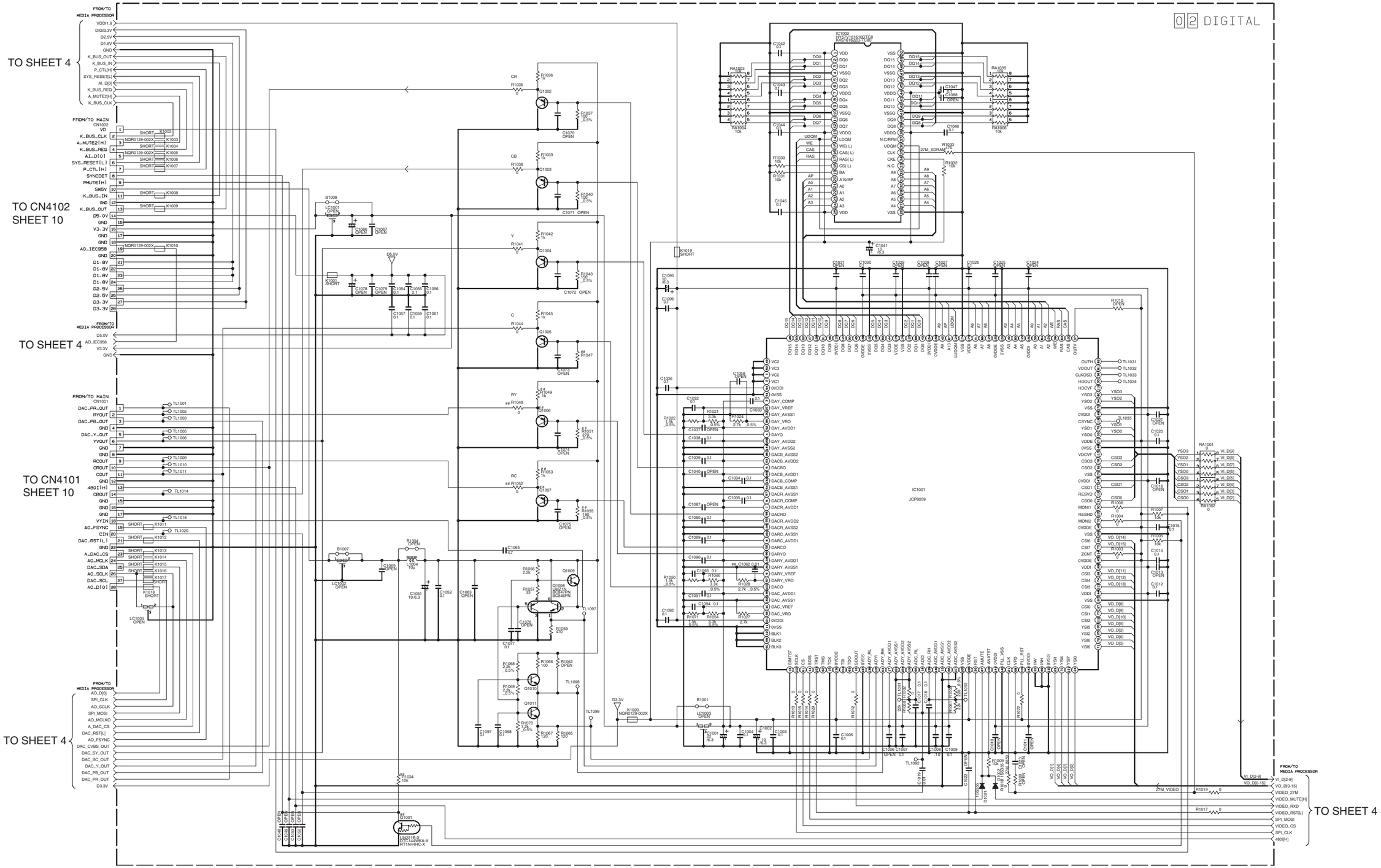
p10595001a_rev0

SHEET 3

■ Media processor section



■ Video signal controller section



MARK

	Q1001・Q1034	R1047	R1048・R1049・R1051・R1052・R1053・R1055・C1062・Q1006・Q1007
US	O	220±0.5%	X
JPN	O	220±0.5%	X
PAL	X	200±0.5%	O

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

ELECTROLYTIC
CERAMIC
ORGANIC SEMICONDUCTOR
TANTAL

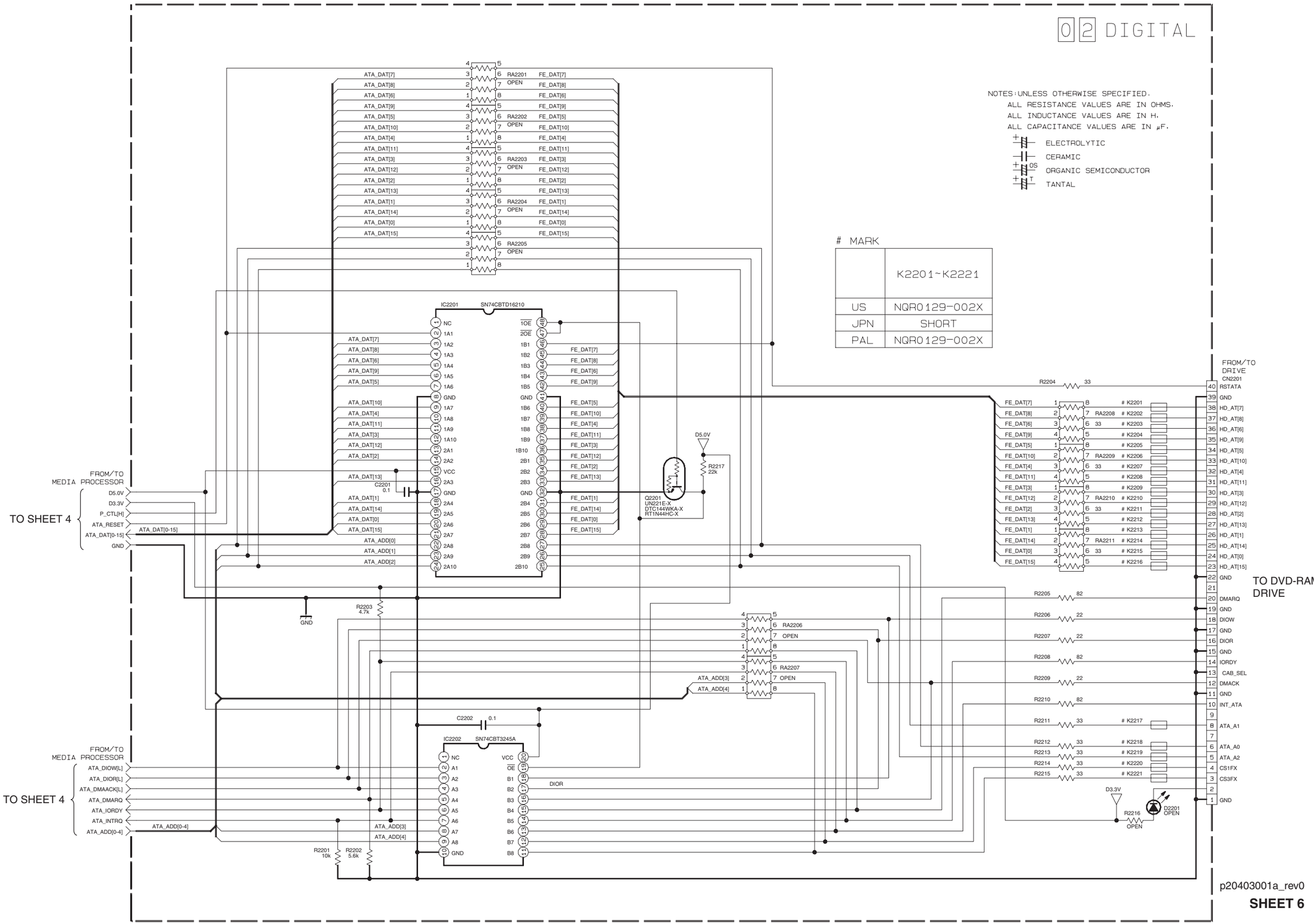
ALL NPN TYPE TRANSISTORS ARE 2SC2412K/QRS/-X or 2SC3928A/QRS/-X or 2SD601A/QRS/-X

ALL PNP TYPE TRANSISTORS ARE 2SA1037AK/QR/-X or 2SA1530A/QR/-X or 2SB709A/QR/-X

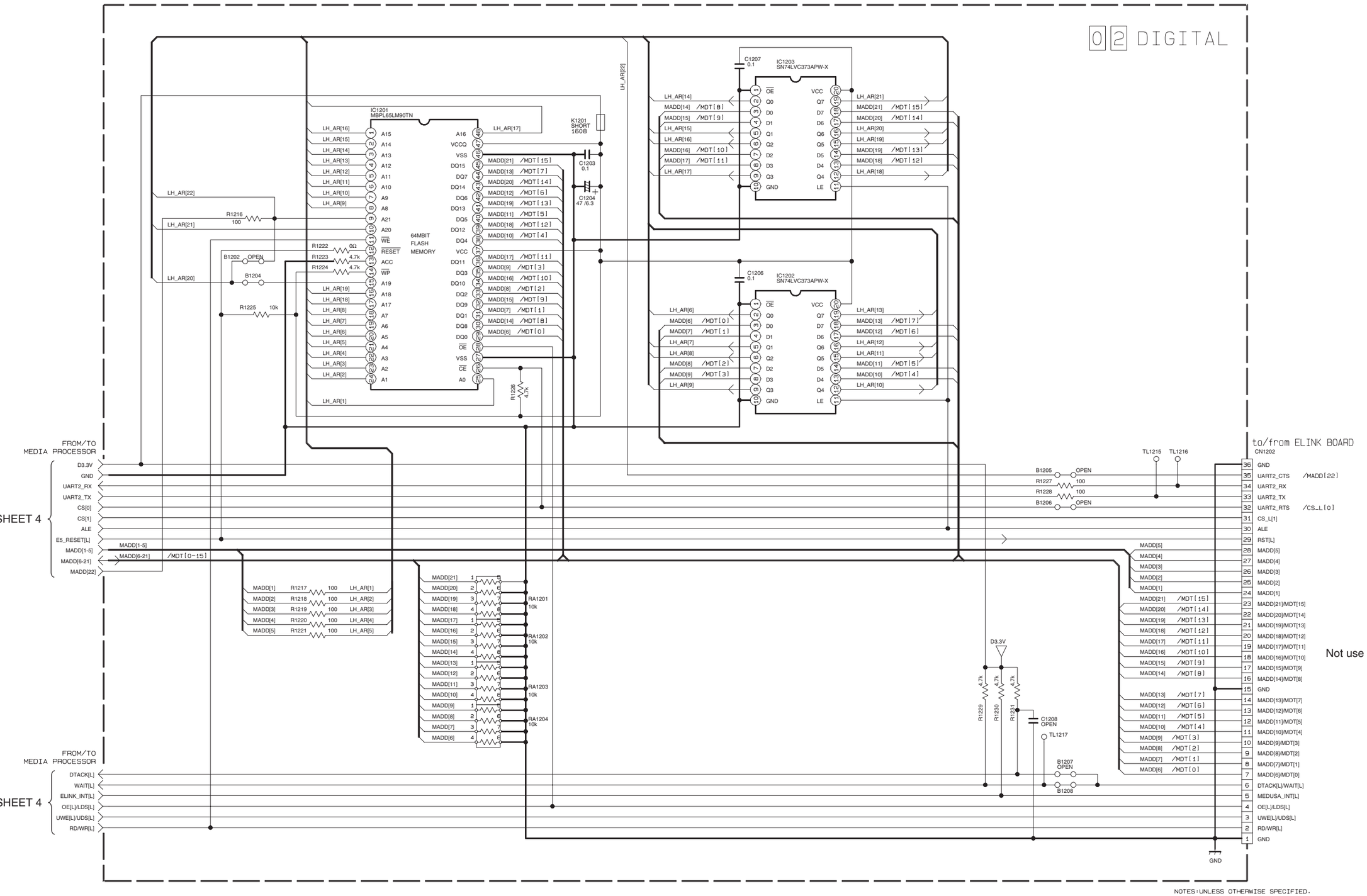
p10593001a_rev0

SHEET 5

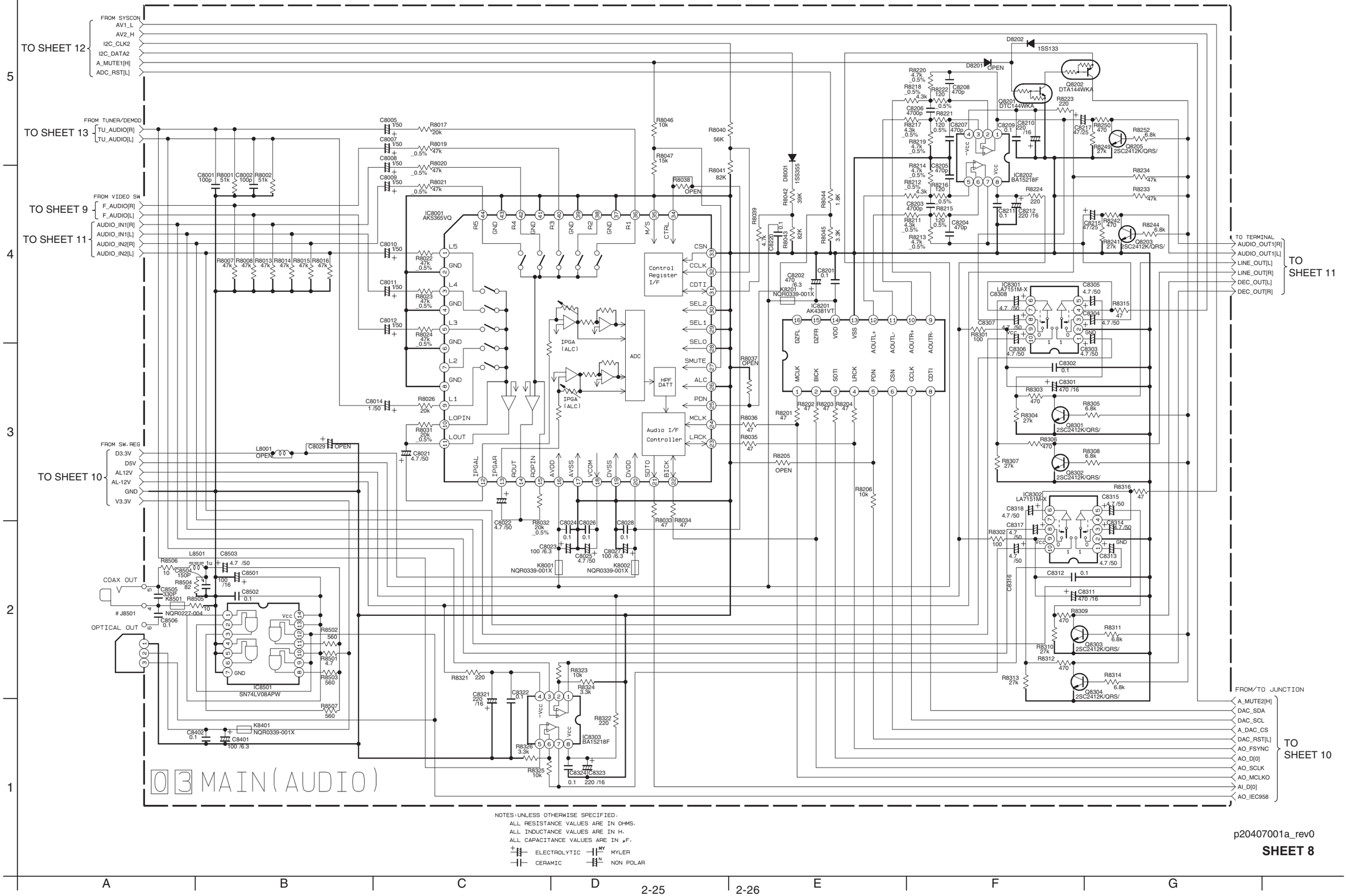
■ ATAPI Interface section



■ FLASH-ROM section



■ Audio signal control section

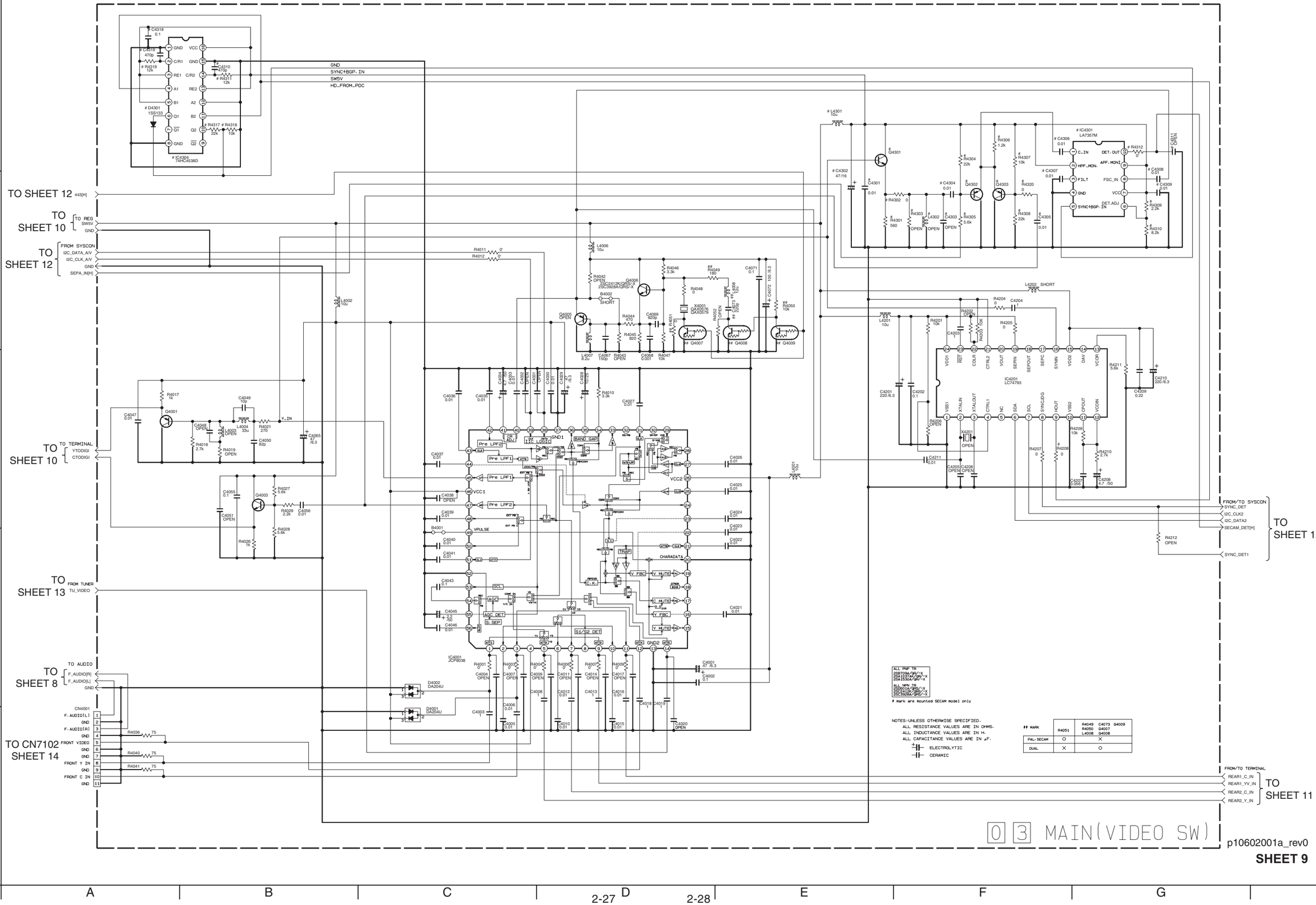


NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC, MYLER, CERAMIC, NON POLAR

p20407001a_rev0

SHEET 8

■ Audio/Video signal input control section



■ Input/Output relay section

TO CN1001 SHEET 5

TO CN1002 SHEET 5

FROM/TO AUDIO
AO_D[0]
DAC_SCL
AO_SCLK
DAC_SDA
AO_MCLKO
A_DAC_CS
DAC_RST[L]
AO_FSYNC
AO_IEC958
AI_D[0]
A_MUTE2[H]
GND

TO SHEET 8

TO SHEET 9 — CTODIGI, YTODIGI

TO SHEET 11 — CBOUT, 480I[H], COUT, CROUT, RCOUT, YVOUT, RYOUT

TO TERMINAL RF5V

2SC3576-JVC
2SD2144S
Q4101

R4104 220

R4105 OPEN

C4110 100/16 C4109 47/25

C4084 0.1

OPEN: C4080, C4079, C4078, C4085, C4083, C4082

1000p

B4102

R4147 OPEN

FROM/TO SYSCON
VD
K_BUS_CLK
K_BUS_REQ
SYS_RESET[L]
P_CTL[H]
SYNC_DET1
P.MUTE[H]
K_BUS_IN
K_BUS_OUT
SAT_CTL
R.PAUSE
GND

TO SHEET 12

B4101 SHORT

FROM SW.REG
AL5.3V

QNS0089-001
J4109
AV COMPU LINK
SAT CONTROL

TO VIDEO SW
SW5V
GND

TO SHEET 9

TO TERMINAL
GND
AL-12V
SW12V
SW5V

TO SHEET 11

TO AUDIO
D3.3V
GND
AL-12V
AL12V
D5V
V3.3V

TO SHEET 8

TO FRONT
DC3.9[+]
Dc3.9[-]
-29V

TO SYSCON
FAN_CTL
P.CTL[H]
SW12V

SW5V
AL5.3V
P.SAVE
HDD_P.SAVE
GND
48V

TO SHEET 12

TO TUNER
BT2

TO SHEET 13

0 3 MAIN(JUNCTION)

CN4104
GND
GND
TPB-
TPB+
GND
TPA-
TPA+
GND
GND
GND

SHORT K4105
SHORT K4106
K4107

TO CN1801 SHEET 2

B4121 SHORT
KA4101 OPEN
B4123 SHORT
B4122 SHORT
KA4102 OPEN
B4124 SHORT

1394
J4112

3 6 JACK PWB

CN5102
D1.8V
D1.8V
D1.8V
D2.5V
GND
D3.3V
GND
GND
GND

TO CN5302 SHEET 1

CN5101
DC3.9[+]
DC3.9[-]
-29V
AL-12V
FAN_CTL
AL12V
P.CTL[H]
SW12V
D5V
SW5V
SW5V
AL5.3V
P.SAVE
HDD_P.SAVE
GND
GND
V3.3V
BT2
48V
GND
GND
GND

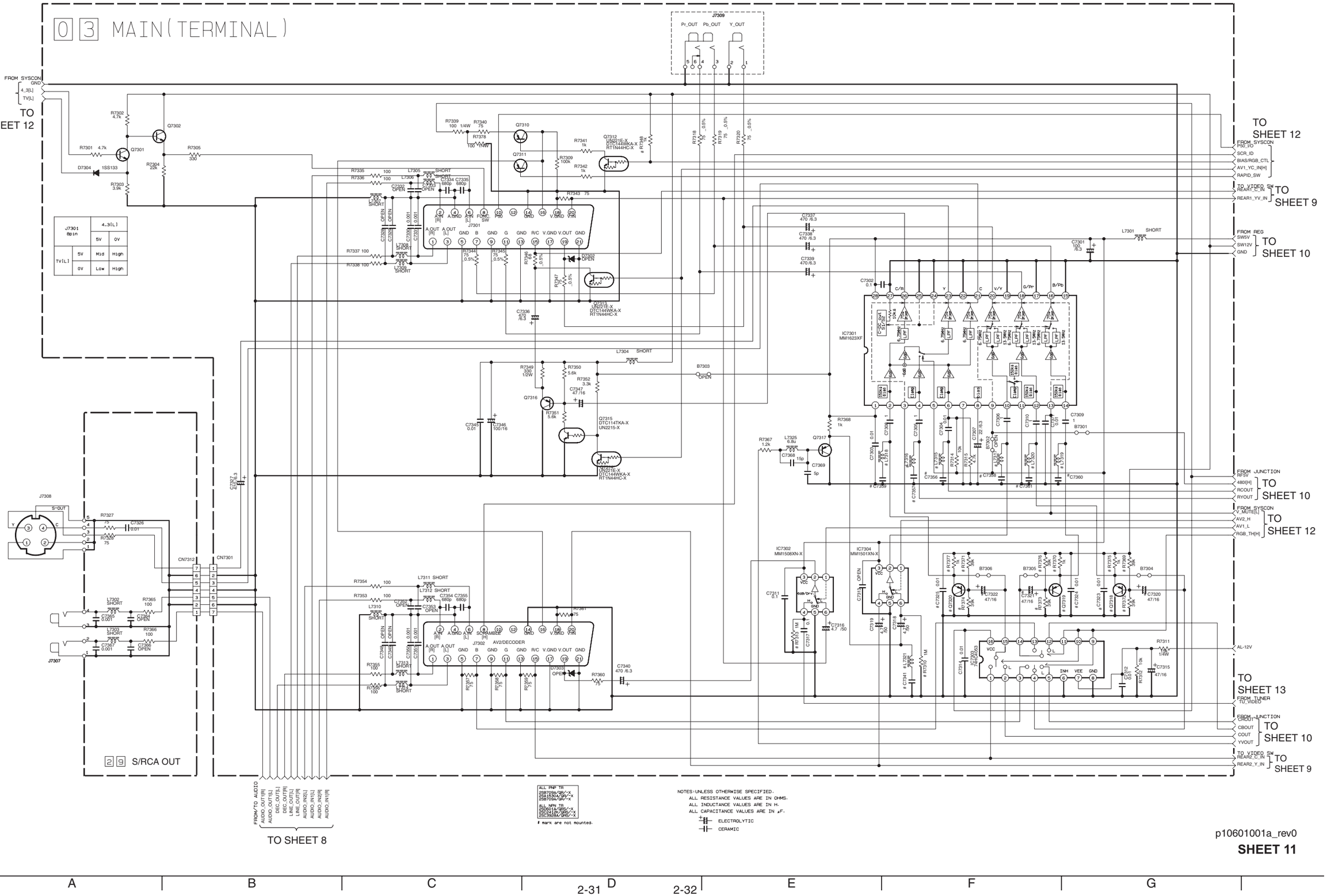
TO CN5301 SHEET 1

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

p20408001a_rev0

SHEET 10

■ Input/Output terminal section



■ System controller section

03 MAIN(SYSCON)

FROM/TO VIDEO SW
TO SHEET 9 443[H]
TO SHEET 11 SCR_ID
SEPA_IN[H]
TO SHEET 9 SECAM_DET[H]
4_3[L]
TV[L]
RGB_TH[H]
AV1_YC_IN[H]
BIAS/RGB_CTL
AV1_L
AV2_H
P.MUTE[H]
RAPID_SW
V_MUTE[L]
GND
TO SHEET 9 I2C_DATA_A/V
I2C_CLK_A/V

TO SHEET 11

FROM/TO AUDIO
AV1_L
AV2_H
ADC_RST[L]
A_MUTE1[H]
I2C_DATA2
I2C_CLK2
TO SHEET 8

FROM/TO VIDEO SW
SYNC_DET
I2C_DATA2
I2C_CLK2
TO SHEET 9

FROM/TO SW. REG
HDD_P.SAVE
P.SAVE
SW5V
SW12V
48V
GND
FAN_CTL
P_CTL[H]
ALS.SW

TO SHEET 10

FROM/TO JUNCTION
K_BUS_OUT
K_BUS_IN
K_BUS_CLK
K_BUS_REQ
SYS_RESET![L]
GND
P_CTL[H]
VD

TO SHEET 10

FROM/TO DISPLAY/SW
VIDEO_LED
DVD_LED
DVD_REC_LED
HDD_LED
HDD_REC_LED
LED_OUT
BACK_UP_GND
AL5V
S_CLK
TOSYS
S_DATA_TOSYS
FRSYS
S_DATA_FRSYS
STB
RC_IN
GND

TO SHEET 14

IC3001 HD64F2194F***

IC3004 AT24C**-1**SC 24LC**-I/SN BR24C**-W X24C**

IC3003 BD4727G

IC3002 IC-PST3427U

Q3901 UN5216 DTC144WKA

Q3009 UN5216 DTC144WKA

Q3007 UN5216 DTC144WKA

Q3010 UN5216 DTC144WKA

CN3901

TO TERMINAL
P50_I/O TO SHEET 11

FROM/TO JUNCTION
R.PAUSE
SAT_CTL
GND
TO SHEET 10

FROM/TO BS/TU/DEMOD
I2C_DATA2
I2C_CLK2
TU_V_MUTE[H]
TU_DATA
TU_CLK
SW_2
SW_1
AFC
RF_AGC
TO SHEET 13

NOTES:UNLESS OTHERWISE SPECIFIED.
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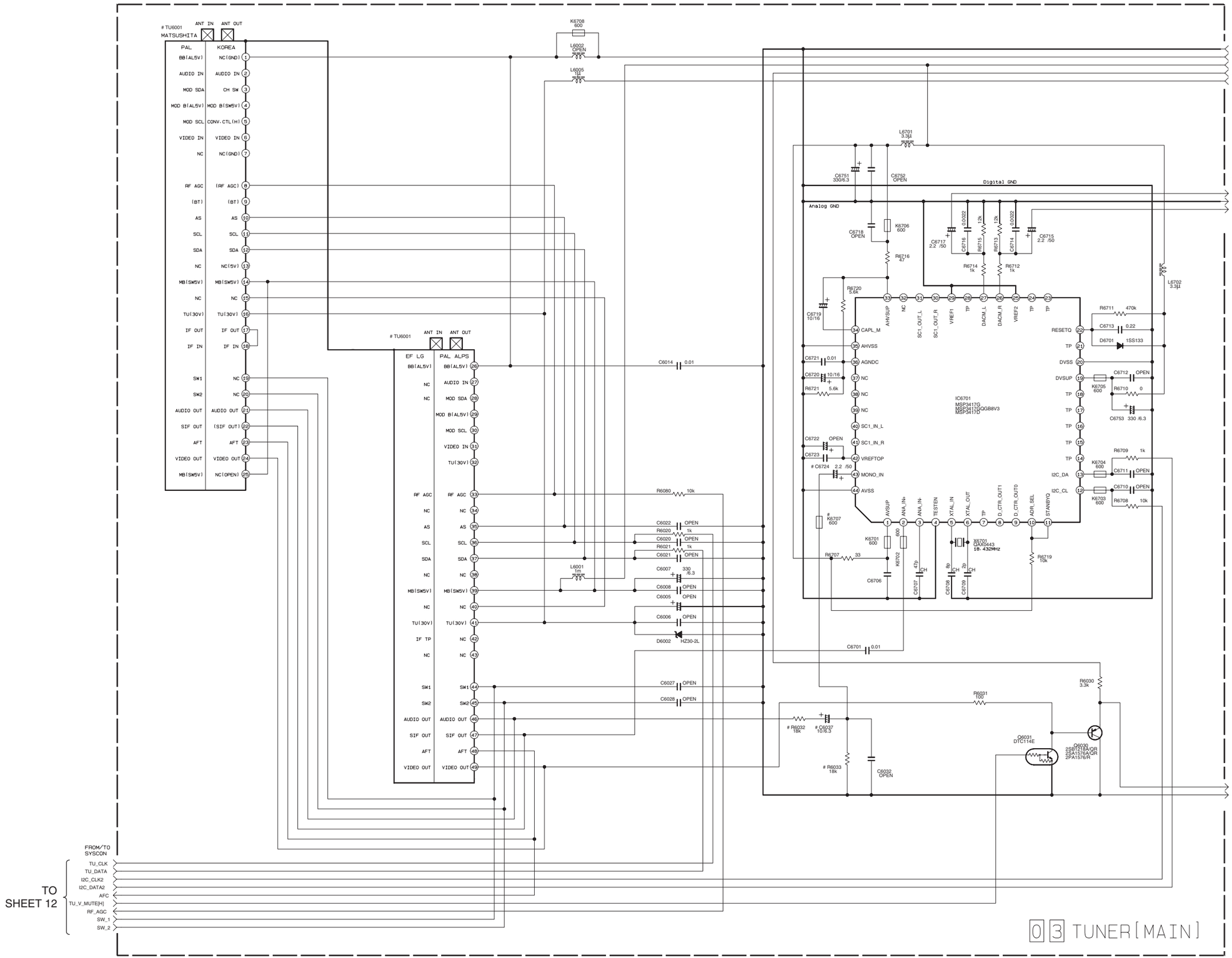
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

p10603001a_rev0

SHEET 12

■ Tuner section



■ FL Display and operation switch section

28 SW/DISPLAY

S7001 OPERATION

1SS133 1SS270A D7001

IC7002 GP1UM281XK PNA4652M00XB
V.OUT VCC GND
[38kHz]

C7001 0.1
C7008 220 /6.3
C7006 47 /6.3
R7016 0

IC7001 UPD16315GB-3BS PT6315
S10 S11 S12 S13 S14 S15 S16 VEE S17 S18 G10 G9 G8 G7 G6 G5 G4 G3 G2 G1 VDD VSS
S8B S8 S7 S6 S5 S4 S3 S2 S1 VDD VSS
KEY2 KEY1 STB CLK DIN DOUT OSC LED4 LED3 LED2 LED1

R7002 10k
R7001 10k

R7009 10k
R7015 1k
R7005 4.7k
R7007 1k
R7006 4.7k
R7013 33k
R7014 33k
D7034 OPEN
D7033 OPEN
D7032 OPEN
D7035 OPEN
R7003 82k
C7005 OPEN
C7004 OPEN

D7031 OPEN
R7021 FR SHORT
L7001 SHORT

C7002 0.1
C7007 OPEN

LIGHTING D7043 SDPB3DC0
2SC1740S/QRS/ 2SC3199/YG/ KTC3199/YG/ Q7001
R7044 1/4W 3.9K
D7042 1SS133 1SS270A
R7045 27 1/4W
R7047 1.8K 1/4W
C7056 10 /25

C7010 0.047
C7011 0.047
C7003 10 /50
R7010 10k
C7012 OPEN
RD9.1ES/B2/ D7021

F+ P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 12G 11G 10G 9G 8G 7G 6G 5G 4G 3G 2G 1G F-

DI7001
QLF0121-001
QLF0124-001

FRONT_S_IN
C Y
J7001
R7152 75
R7151 75
C7150 0.01

J7002
FRONT_V IN
R7153 75

FRONT_A IN[L]
FRONT_A IN[R]
C7151 100p
C7152 OPEN
R7156 0
R7154 100
C7153 100p
C7154 OPEN
R7155 100
D7127

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

TO CN4001 SHEET 9

27 OPERATE

SLR-343VC
R7115 OPEN
R7114 330 1/4W
D7107 D1A114ESA

D7126 HDD SLR343BBT3F
R7113 OPEN
R7112 330 1/4W
D7106 D1A114ESA
B7107 OPEN

D7125
R7111 OPEN
R7110 330 1/4W
D7105 D1A114ESA
B7106 OPEN

D7124 DVD SLR-343VC
R7109 OPEN
R7108 330 1/4W
D7104 D1A114ESA
B7105 OPEN

D7123 VIDEO SLR-343MC
R7107 OPEN
R7106 330 1/4W
D7103 D1A114ESA
B7104 OPEN
B7103 OPEN
B7108

D7112 1SS133 1SS270A
S7132 EJECT
D7113 1SS133 1SS270A
S7133 # S7113
D7114 1SS133 1SS270A
S7134 # S7114
D7115 1SS133 1SS270A
S7135 # S7115

CN7101 1 2 3 4 5 6 7 8 9 10 11 12 13
CN3002 13 12 11 10 9 8 7 6 5 4 3 2 1

03 MAIN

CN7001
1 S12
2 S13
3 S14
4 S15
5 KEY2
6 KEY1
7 BLUE LED
8 STB
9 S_DATA_FRSYS
10 S_DATA_TOSYS
11 S_CLK
12 RC_IN
13 AL5V
14 GND
15 BACK UP GND
16 DC3.5[-]
17 -29V
18 DC3.5[+]

CN3001
18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

B3975 # B3976

HDD_REC_LED
HDD_LED
DVD_REC_LED
DVD_LED
VIDEO_LED
LED_OUT
STB
S_DATA_FRSYS
S_DATA_TOSYS
S_CLK
RC_IN
AL5V
GND
BACK_UP_GND
DC3.5[-]
-29V
DC3.5[+]

TO SHEET 12

DIFFERENCE TABLE

	S7113	S7114	S7115	S7133	S7134	S7135	D7123-R7105 Q7103-B7108 B3976	D7124-D7127-R7108 R7110-R7112-R7114 Q7104-Q7107-B3975	CN7101	CN3002
M10	REC	REC MODE	PAUSE	×	STOP	PLAY	×	×	9PIN(5-13)	9PIN(1-9)
MH20/MH30	DVD	HDD	REC	STOP	PLAY	PAUSE	×	○	13PIN	13PIN

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

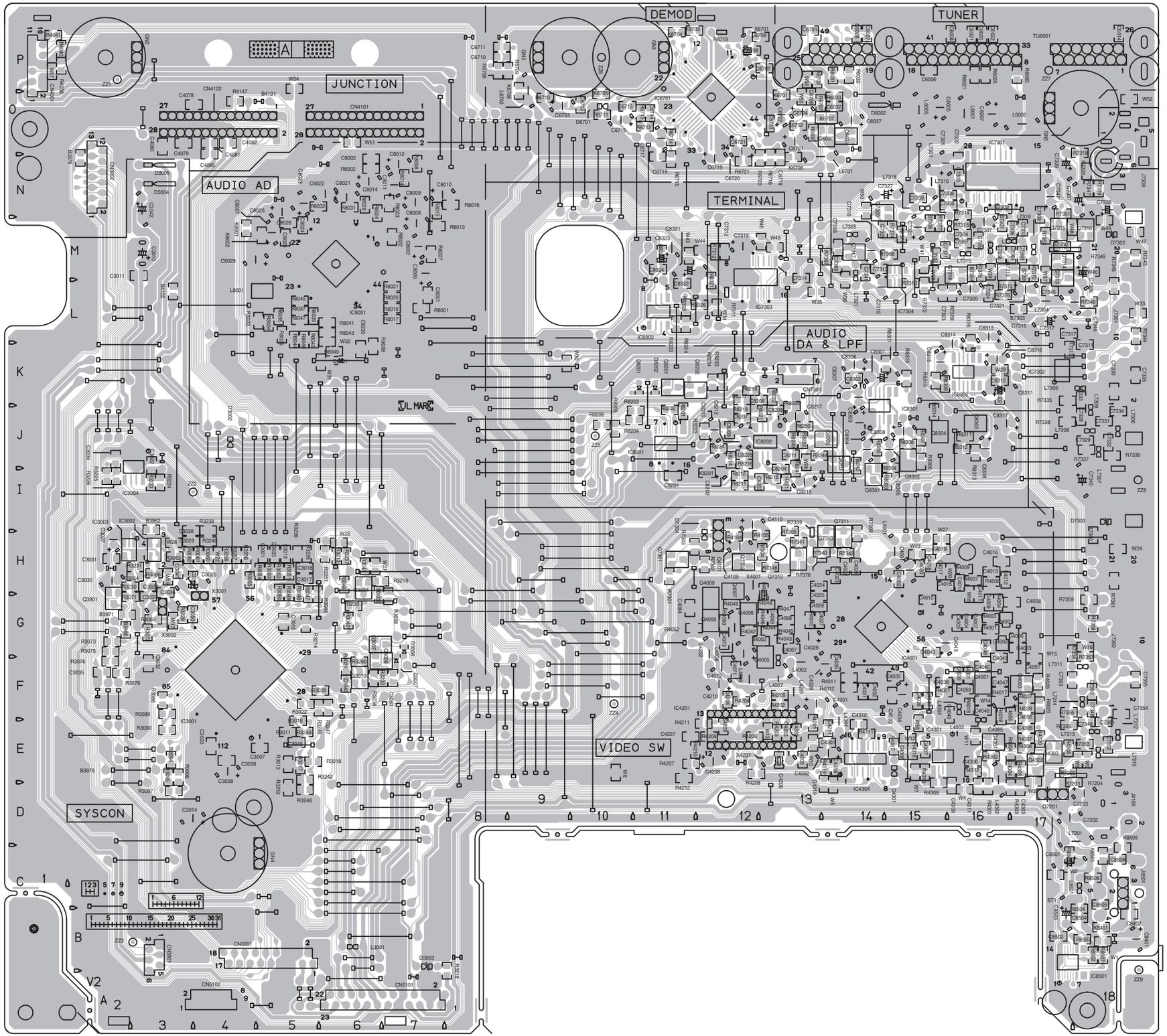
	LAST No.		VACANT No.	
R	7047	7156	7004・7008・7011・7012・7017~7020・7022~7043・7046	7101~7105・7116~7150
C	7056	7154	7009・7013~7055	7101~7149
D	7043	7127	7002~7020・7022~7030・7036~7041	7101~7111・7116~7122
Q	7001	7107		7101・7102
L	7001			
IC	7002			
DI	7001			
S	7001	7135		7101~7112・7116~7131
CN	7001	7102		

p20404001a_rev0

SHEET 14

Printed circuit boards

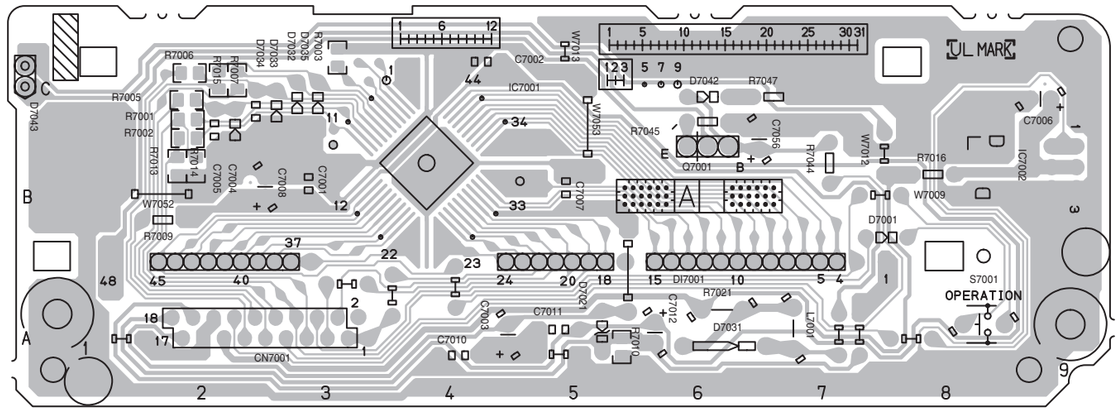
■ Main board <03> LPB10239-001C



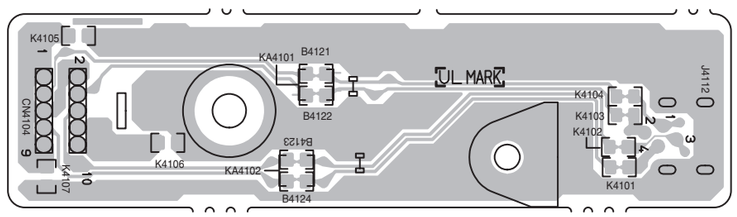
COMPONENT PARTS LOCATION GUIDE <MAIN> LPB10239-001C

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		C4304	B C 17E	C8014	A D 6N	L4201	A D 13F	R3094	B C 3E	R7007	B C 10C	R8242	B C 14J
C3007	B C 5E	C4305	B C 17E	C8021	A D 6N	L4202	A D 12G	R3095	B C 3E	R7014	B C 10B	R8244	B C 13J
C3010	A D 3M	C4306	B C 16E	C8022	A D 6N	L4301	A D 14F	R3096	B C 3E	R7015	B C 10C	R8249	B C 13J
C3011	B C 3M	C4307	B C 15E	C8023	A D 5N	L4302	A D 16D	R3097	B C 3D	R7202	B C 17E	R8250	B C 13J
C3014	A D 4D	C4308	B C 15E	C8024	B C 5M	L6001	A D 16O	R3213	B C 6H	R7203	B C 18E	R8252	B C 13J
C3015	B C 5E	C4309	B C 16D	C8025	A D 5N	L6002	A D 17O	R3214	B C 5G	R7204	A D 18E	R8301	B C 15K
C3016	B C 5G	C4310	B C 14E	C8026	B C 5M	L6005	A D 15O	R3218	B C 8B	R7301	B C 11H	R8302	B C 16K
C3017	B C 5H	C4311	B C 16D	C8027	A D 5M	L6701	A D 13N	R3219	B C 6H	R7302	B C 12H	R8303	B C 15I
C3018	B C 5H	C4318	B C 14E	C8028	B C 5M	L6702	A D 9P	R3220	B C 6G	R7303	B C 11H	R8304	B C 15J
C3019	B C 5H	C4319	B C 14D	C8029	A D 5M	L7201	A D 18D	R3223	B C 3I	R7304	B C 13H	R8305	B C 14J
C3020	B C 5H	C6005	A D 15O	C8201	B C 11I	L7301	A D 15N	R3224	B C 3I	R7305	B C 13I	R8306	B C 15J
C3021	B C 5H	C6006	B C 15P	C8202	A D 12I	L7302	A D 19C	R3225	B C 2I	R7309	B C 14H	R8307	B C 15J
C3022	B C 3J	C6007	A D 16O	C8203	B C 13I	L7304	A D 17L	R3226	B C 2I	R7310	B C 15L	R8308	B C 15J
C3024	B C 4H	C6008	B C 16P	C8204	B C 13I	L7305	A D 17K	R3229	B C 3G	R7311	A D 12L	R8309	B C 15K
C3025	A D 4H	C6014	B C 18P	C8205	B C 12J	L7306	A D 18J	R3230	B C 3H	R7312	B C 12M	R8310	B C 15K
C3026	B C 3H	C6020	B C 16P	C8206	B C 13K	L7307	A D 18J	R3231	B C 3H	R7313	B C 17K	R8311	B C 16J
C3027	A D 2H	C6021	B C 16P	C8207	B C 12J	L7308	A D 18J	R3233	B C 7F	R7314	B C 16N	R8312	B C 16J
C3028	B C 3I	C6022	B C 16P	C8208	B C 13J	L7309	A D 18J	R3234	B C 6F	R7315	B C 16M	R8313	B C 16J
C3029	B C 3H	C6027	B C 14P	C8209	B C 12J	L7310	A D 18E	R3235	B C 5H	R7318	B C 18O	R8314	B C 15J
C3030	A D 2H	C6028	B C 14P	C8210	A D 12J	L7311	A D 17F	R3236	B C 5H	R7319	B C 18N	R8315	B C 15K
C3031	B C 2H	C6032	B C 14O	C8211	B C 13J	L7312	A D 18E	R3237	B C 6H	R7320	B C 18N	R8316	B C 16K
C3032	B C 3F	C6037	A D 14O	C8212	A D 12J	L7313	A D 18E	R3239	B C 4I	R7335	B C 17K	R8321	B C 12L
C3033	B C 4E	C6701	B C 13P	C8215	A D 13I	L7314	A D 18F	R3240	B C 4H	R7336	B C 18J	R8322	B C 11M
C3034	B C 2J	C6706	B C 13O	C8217	A D 13J	L7315	A D 16M	R3242	B C 5E	R7337	B C 18J	R8323	B C 11L
C3035	B C 2F	C6707	B C 13P	C8220	B C 6K	L7316	A D 16M	R3246	B C 6F	R7338	B C 17J	R8324	B C 11L
C3036	B C 3H	C6708	B C 12P	C8301	A D 15K	L7317	A D 16M	R3247	B C 6F	R7339	A D 13I	R8325	B C 11L
C3037	B C 3G	C6709	B C 13P	C8302	B C 14K	L7318	A D 15N	R3248	B C 5D	R7340	B C 14H	R8326	B C 12L
C3038	A D 4E	C6710	B C 8P	C8303	A D 14J	L7319	A D 17M	R3249	B C 5E	R7341	B C 13H	R8501	B C 17C
C3039	B C 4E	C6711	B C 8P	C8304	A D 14J	L7320	A D 16M	R3251	B C 6H	R7342	B C 14H	R8502	B C 18B
C3041	B C 3H	C6712	B C 10O	C8305	A D 15J	L7321	A D 14L	R3252	B C 5D	R7343	B C 19M	R8503	B C 18B
C3042	A D 3N	C6713	B C 10O	C8306	A D 14K	L7325	A D 14M	R3256	B C 4H	R7344	B C 19L	R8504	B C 18B
C3049	B C 6F	C6714	B C 11O	C8307	A D 14K	L8001	B C 5L	R3257	B C 4H	R7345	B C 18L	R8505	B C 18C
C3050	B C 3G	C6715	A D 10O	C8308	A D 15J	L8501	A D 18C	R3258	B C 4H	R7346	B C 18L	R8506	B C 18C
C3051	B C 7F	C6716	B C 11N	C8311	A D 16K			R3260	B C 6F	R7347	B C 18N	R8507	B C 18B
C3054	B C 3H	C6717	A D 11O	C8312	B C 16K	**TRANSISTOR**		R4001	B C 16G	R7348	B C 13H		
C4001	A D 15H	C6718	B C 13N	C8313	A D 16L	Q3004	B C 6H	R4003	B C 16G	R7349	A D 17M	**OTHER**	
C4002	B C 15H	C6719	A D 12N	C8314	A D 16K	Q3007	B C 6G	R4004	B C 16G	R7350	B C 17M	GN1	A D 10P
C4003	B C 17G	C6720	A D 12O	C8315	A D 15K	Q3009	B C 6F	R4006	B C 16H	R7351	B C 17N	GN2	A D 2P
C4004	B C 16G	C6721	B C 12O	C8316	A D 16K	Q3010	B C 6F	R4007	B C 16H	R7352	B C 17M	GN3	A D 9P
C4005	B C 16G	C6722	A D 13O	C8317	A D 17J	Q3901	B C 2G	R4009	B C 16H	R7353	B C 18E	GN4	A D 4C
C4006	B C 17G	C6723	B C 13O	C8318	A D 16J	Q4001	B C 16F	R4010	B C 13G	R7354	B C 17G	GN5	A D 18O
C4007	B C 16G	C6724	A D 13O	C8321	A D 11M	Q4003	B C 17F	R4011	B C 14F	R7355	B C 17E	J4109	A D 19D
C4008	B C 17G	C6751	A D 13O	C8322	B C 11L	Q4005	B C 13F	R4012	B C 14F	R7356	B C 17F	J7301	A D 18L
C4009	B C 16G	C6752	B C 13O	C8323	A D 11M	Q4006	B C 12G	R4017	B C 16F	R7357	B C 18G	J7309	A D 19O
C4010	B C 15G	C6753	A D 9O	C8324	B C 11M	Q4007	B C 12H	R4018	B C 16F	R7358	B C 18G	J8501	A D 19C
C4011	B C 16G	C7202	A D 17D	C8401	A D 19B	Q4008	B C 12G	R4019	B C 16F	R7359	B C 18G	K6701	B C 13O
C4012	B C 16H	C7203	A D 18D	C8402	B C 18B	Q4009	B C 12G	R4021	B C 15F	R7360	B C 18H	K6702	B C 13P
C4013	B C 16H	C7301	A D 15N	C8501	A D 18C	Q4101	A D 12I	R4026	B C 17F	R7361	B C 18H	K6703	B C 11P
C4014	B C 16H	C7302	B C 16N	C8502	B C 17B	Q4301	B C 16E	R4027	B C 17F	R7367	B C 14M	K6704	B C 11P
C4015	B C 15H	C7303	B C 16N	C8503	A D 17C	Q4302	B C 17E	R4028	B C 17F	R7368	B C 15M	K6705	B C 10O
C4016	B C 16H	C7304	B C 16M	C8504	B C 18B	Q4303	B C 17E	R4029	B C 17F	R7369	B C 16L	K6706	B C 13N
C4017	B C 15H	C7305	B C 16N	C8505	B C 18C	Q6030	B C 14O	R4036	B C 1P	R7370	B C 17M	K6707	B C 14O
C4018	B C 15H	C7306	B C 17M	C8506	B C 18C	Q6031	B C 14O	R4040	B C 1P	R7371	B C 15M	K6708	B C 9P
C4019	B C 15H	C7307	A D 16M			Q7001	A D 14C	R4041	B C 1P	R7372	B C 15L	K8001	B C 4M
C4020	B C 15H	C7308	B C 16N	**CONNECTOR**		Q7201	A D 17D	R4042	B C 12G	R7373	B C 16L	K8002	B C 5M
C4021	B C 14H	C7309	B C 17N	CN3001	A D 5B	Q7301	B C 11H	R4043	B C 13G	R7374	B C 15M	K8201	B C 12I
C4022	B C 14H	C7310	B C 17M	CN3002	A D 2N	Q7302	B C 12H	R4044	B C 13G	R7375	B C 16M	K8401	B C 18B
C4023	B C 14H	C7311	B C 18K	CN3901	A D 3B	Q7310	B C 14H	R4045	B C 13G	R7376	B C 16L	K8501	B C 18C
C4024	B C 13H	C7312	B C 12M	CN4001	A D 1O	Q7311	B C 14H	R4046	B C 13G	R7377	B C 15M	PC0954	B C 22Q
C4025	B C 13G	C7313	B C 14M	CN4101	A D 7O	Q7312	B C 13H	R4047	B C 13G	R7378	A D 14H	PC0958	B C 1A
C4026	B C 13G	C7314	B C 13M	CN4102	A D 5O	Q7313	B C 17M	R4048	B C 13G	R8001	B C 7L	TP3901	B C 6G
C4027	B C 13G	C7315	A D 12M	CN5101	A D 7A	Q7314	B C 17M	R4049	B C 12G	R8002	B C 6N	TP3902	B C 5G
C4028	A D 13G	C7316	A D 17L	CN5102	A D 3A	Q7315	B C 17M	R4050	B C 12G	R8007	B C 7M	TP3903	B C 3I
C4029	A D 14F	C7317	B C 17L	CN7301	A D 13K	Q7316	B C 18M	R4051	B C 13H	R8008	B C 7N	TP3904	B C 3G
C4030	B C 14F	C7318	A D 14M			Q7317	B C 14M	R4052	B C 11G	R8013	B C 7M	TP3905	B C 3H
C4031	B C 14F	C7319	A D 14L	**DIODE**		Q7318	B C 16M	R4104	B C 12H	R8014	B C 7N	TP3906	B C 4H
C4032	B C 14F	C7320	A D 16L	D3002	A D 4J	Q7319	B C 16M	R4105	B C 13H	R8015	B C 7N	TP3907	B C 4H
C4033	B C 15F	C7321	A D 17L	D3003	A D 7B	Q7320	B C 14N	R4147	B C 4O	R8016	B C 8N	TP3908	B C 4H
C4034	A D 15F	C7322	A D 15M	D3004	A D 3N	Q8201	B C 11K	R4201	B C 13E	R8017	B C 7L	TU6001	A D 19P
C4035	B C 15F	C7323	B C 15L	D3005	A D 3N	Q8202	B C 12K	R4202	B C 13F	R8019	B C 7L	X3001	A D 4G
C4036	B C 15F	C7324	B C 16L	D3007	B C 7F	Q8203	B C 14J	R4203	B C 13E	R8020	B C 7L	X3002	A D 3G
C4037	B C 15F	C7325	B C 14M	D3008	B C 7G	Q8205	B C 14J	R4204	B C 12F	R8021	B C 7L	X4001	A D 13G
C4038	B C 15F	C7327	A D 15N	D4001	B C 16G	Q8301	B C 14I	R4205	B C 13F	R8022	B C 7M	X4201	A D 13E
C4039	B C 16F	C7328	B C 18J	D4002	B C 16G	Q8302	B C 15J	R4206	B C 12E	R8023	B C 7N	X6701	A D 12P
C4040	B C 16F	C7329	B C 18J	D4301	A D 15E	Q8303	B C 16J	R4207	B C 11E	R8024	B C 6N		
C4041	B C 16F	C7330	B C 18K	D6002	A D 14O	Q8304	B C 15J	R4208	B C 12E	R8026	B C 6N		
C4043	B C 15G	C7331	B C 18J	D6701	A D 10O			R4209	B C 12E	R8031	B C 6N		
C4045	A D 15G	C7332	B C 18J	D7021	A D 13A	**RESISTOR**		R4210	B C 11E	R8032	B C 5N		
C4046	B C 16G	C7333	B C 18K	D7302	A D 18M	R3011	B C 5E	R4211	B C 12E	R8033	B C 5L		
C4047	B C 16F	C7334	B C 18J	D7303	A D 18I	R3012	B C 5E	R4212	B C 11E	R8034	B C 5L		
C4048	B C 16F	C7335	B C 19K	D7304	A D 12H	R3016	B C 5E	R4301	B C 16D	R8035	B C 5L		
C4049	B C 16F	C7336	A D 18M	D8001	B C 6K	R3017	B C 5E	R4302	B C 16E	R8036	B C 5L		
C4050	B C 16F	C7337	A D 18N	D8201	B C 11K	R3018	B C 5E	R4303	B C 17D	R8037	B C 5L		
C4051	B C 17F	C7338	A D 18N	D8202	B C 11K	R3022	B C 5F	R4304	B C 17E	R8038	B C 6K		
C4055	B C 17F	C7339	A D 17N			R3028	B C 6F	R4305	B C 17E	R8039	B C 5L		
C4056	B C 17F	C7340	A D 18I	**IC**		R3029	B C 6F	R4306	B C 17E	R8040	B C 6K		
C4065	A D 17F	C7341	B C 14M	IC3001	B C 4F	R3038	B C 7G	R4307	B C 17E	R8041	B C 6L		
C4067	B C 13G	C7345	B C 17L	IC3002	B C 3H	R3039	B C 6G	R4308	B C 17E	R8042	B C 5L		
C4068	B C 13G	C7346	A D 18L	IC3003	B C 2H	R3040	B C 6G	R4309	B C 15D	R8043	B C 6L		
C4069	B C 13G	C7347	A D 17N	IC3004	B C 3J	R3041	B C 6H	R4310	B C 15E	R8044	B C 5L		
C4071	B C 12F	C7348	B C 18F	IC4001	B C 14G	R3044	B C 6H	R4311	B C 14E	R8045	B C 5L		
C4072	A D 12G	C7349	B C 18E	IC4201	A D 13E	R3046	B C 5G	R4312	B C 16E	R8046	B C 5L		
C4073	B C 12G	C7350	B C 18F	IC4301	B C 15E	R3047	B C 5G	R4317	B C 15E	R8047	B C 5L		
C4078	B C 4O	C7351	B C 18E	IC4304	B C 14E	R3048	B C 5H	R4318	B C 15E	R8201	B C 11J		
C4079	B C 3O	C7352	B C 18E	IC6701	B C 12O	R3049	B C 5H	R4319	B C 14E	R8202	B C 11J		
C4080	B C 3O	C7353	B C 17F	IC7301	B C 16N	R3050	B C 5H	R4320	B C 17E	R8203	B C 11J		
C4081	B C 4O	C7354	B C 18F	IC7302	B C 17K	R3051	B C 5H	R6020	B C 16P	R8204	B C 11J		
C4082	B C 4O	C7355	B C 19F	IC7303	B C 12M	R3052	B C 5H	R6021	B C 16P	R8205	B C 10J		
C4084	B C 11G	C7356	B C 16M	IC7304	B C 15M	R3053	B C 5H	R6030	B C 13O	R8206	B C 10J		
C4085	B C 4O	C7357	B C 16M	IC8001	B C 6M	R3054	B C 5H	R6031	B C 14P	R8211	B C 12I		
C4109	A D 12H	C7358	B C 16M	IC8201	B C 11J	R3055	B C 4H	R6032	B C 14P	R8212	B C 12I		
C4110	A D 12I	C7359	B C 15N	IC8202	B C 13J	R3060	B C 4H	R6033	B C 14O	R8213	B C 13I		
C4201	A D 13F	C7360	B C 17M	IC8301	B C 14J	R3061	B C 4H	R6080	B C 17P	R8214	B C 12J		
C4202	B C 13E	C7361	B C 17M	IC8302	B C 16K	R3062	B C 3H	R6707	B C 13O	R8215	B C 13I		
C4203	B C 13E	C7368	B C 14M	IC8303	B C 11L	R3063	B C 3H	R6708	B C 8P	R8216	B C 12J		
C4204	B C 12F	C7369	B C 14M	IC8501	B C 17B	R3066	B C 3H	R6709	B C 9P	R8217	B C 12K		
C4205	B C 13E	C7371	B C 15M			R3069	B C 3G	R6710	B C 9O	R8218	B C 12K		
C4206	B C 13E	C8001	B C 7L	**COIL**		R3071	B C 3G	R6711	B C 10O	R8219	B C 12J		
C4207	B C 11E	C8002	B C 6N	L3001	A D 6B	R3072	B C 3G	R6712	B C 11O	R8220	B C 13J		
C4208	A D 12E	C8005	A D 7M	L4001	A D 15H	R3073	B C 2G	R6713	B C 11O	R8221	B C 13J		
C4209	B C 12E	C8007	A D 7M	L4002	A D 13F	R3075	B C 2G	R6714	B C 11O	R8222	B C 13K		
C4210	A D 12F	C8008	A D 7M	L4003	A D 16E	R3076	B C 2F	R6715	B C 11N	R8223	B C 12J		
C4211	B C 14E	C8009	A D 7N	L4004	A D 16F	R3079	B C 2F	R6716	B C 13N	R8224	B C 12J		
C4301	B C 14E	C8010	A D 7N	L4006	A D 12F	R3088	B C 3F	R6719	A D 12P	R8233	B C 12K		
C4302	A D 14E	C8011	A D 7N	L4007	A D 13F	R3089	B C 3F	R6720	B C 13N	R8234	B C 12K		
C4303	B C 17D	C8012	A D 7N	L4008	A D 12G	R3090	B C 3E	R6721	B C 12N	R8241	B C 13I		

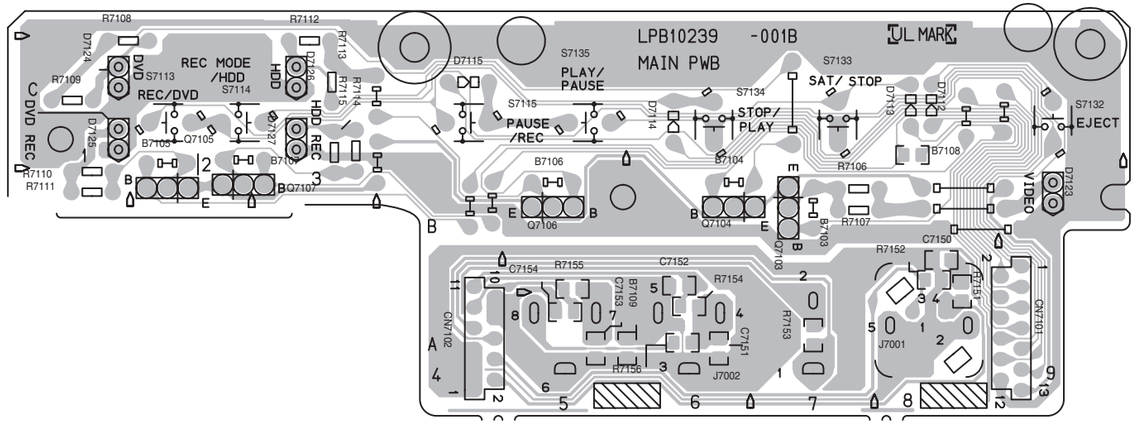
■ Switch display board <28> LPB10239-001C



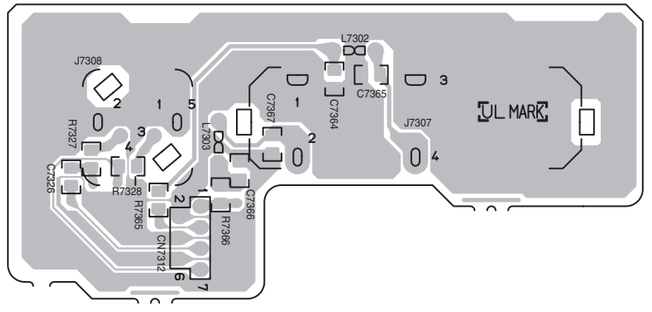
■ Jack board <36> LPB10239-001C



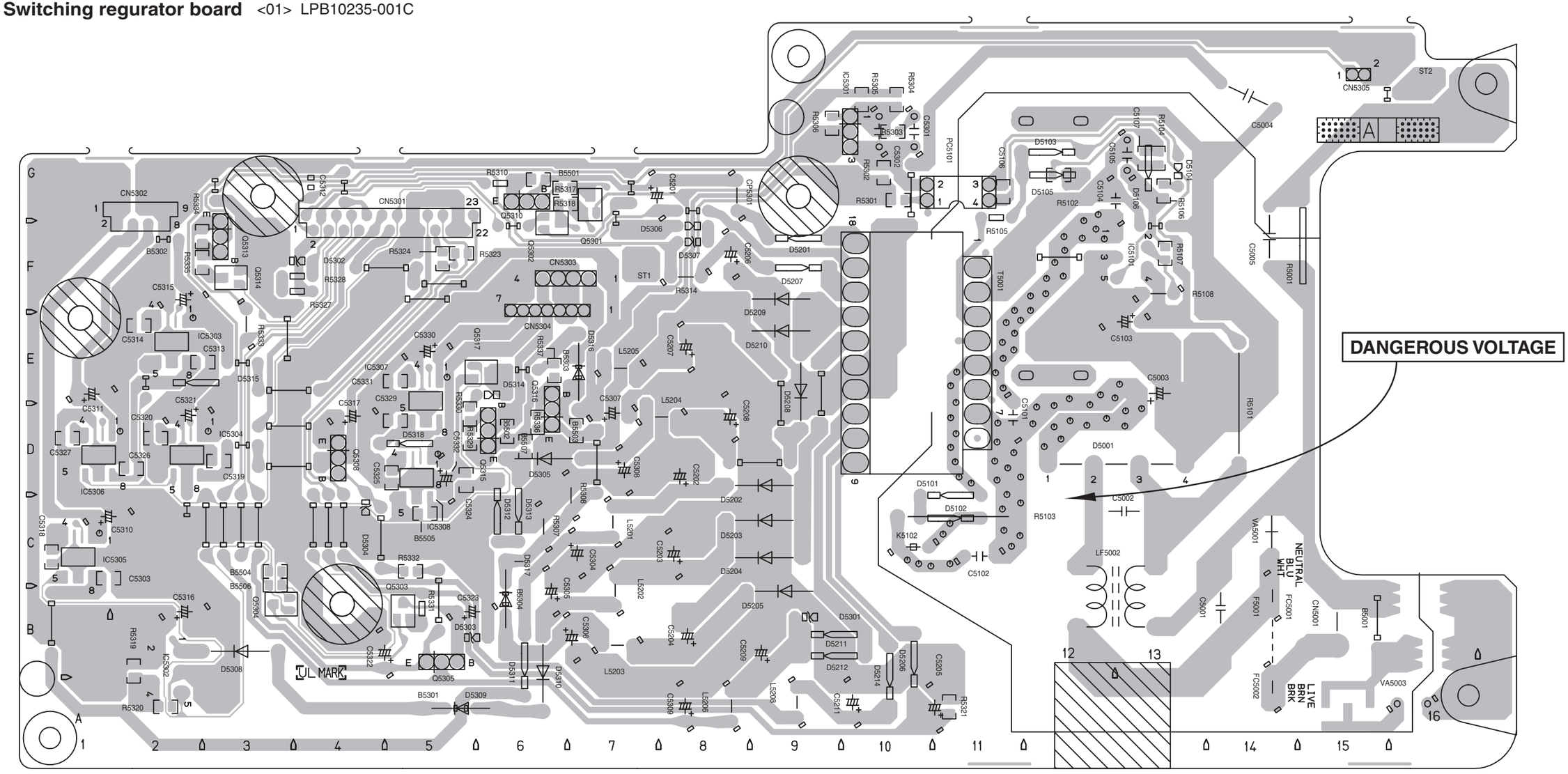
■ Operation board <27> LPB10239-001C



■ S/RCA Out board <29> LPB10239-001C



■ Switching regurator board <01> LPB10235-001C

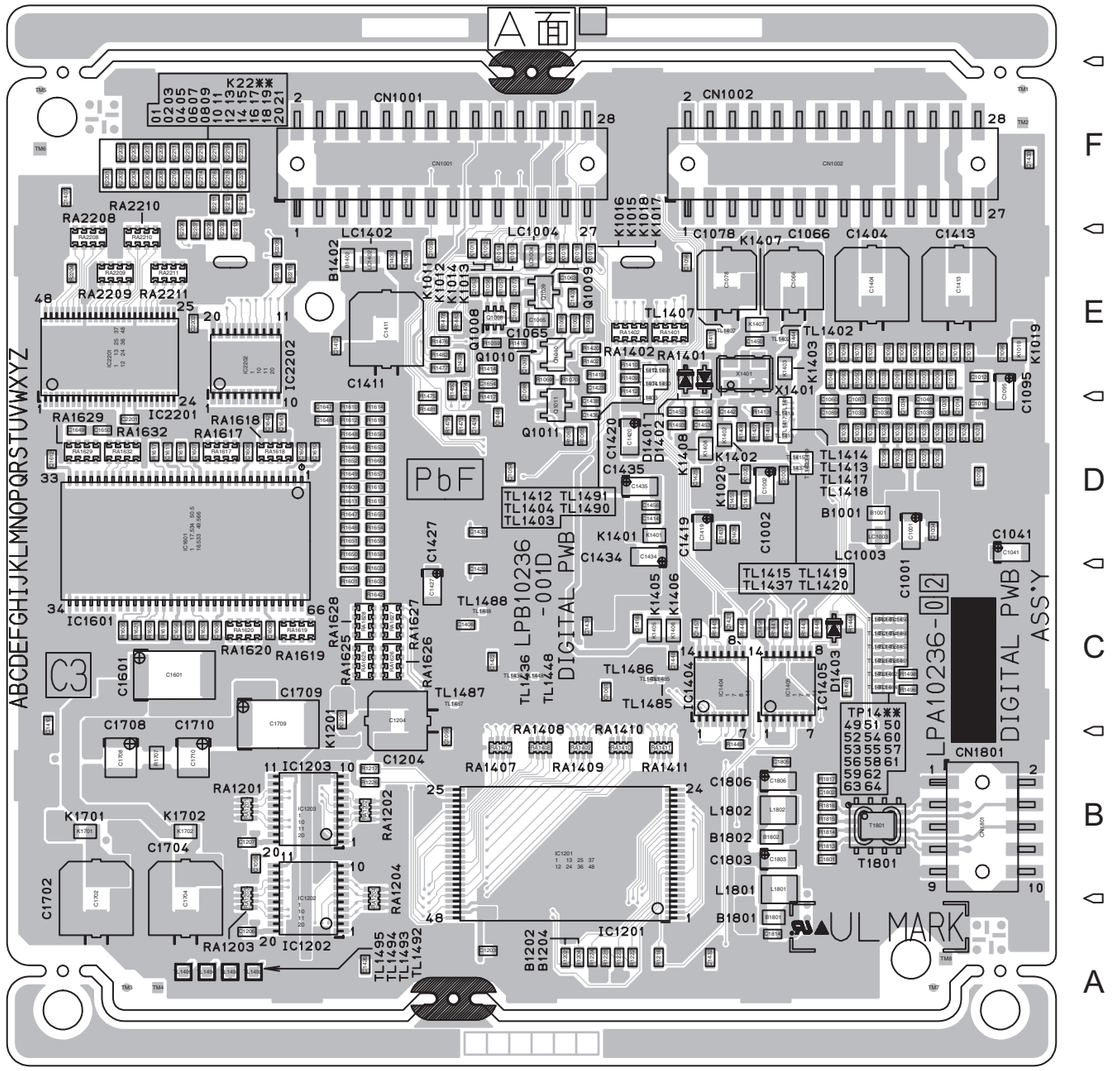


COMPONENT PARTS LOCATION GUIDE <SWITCHING REGURATOR> LPB10235-001C

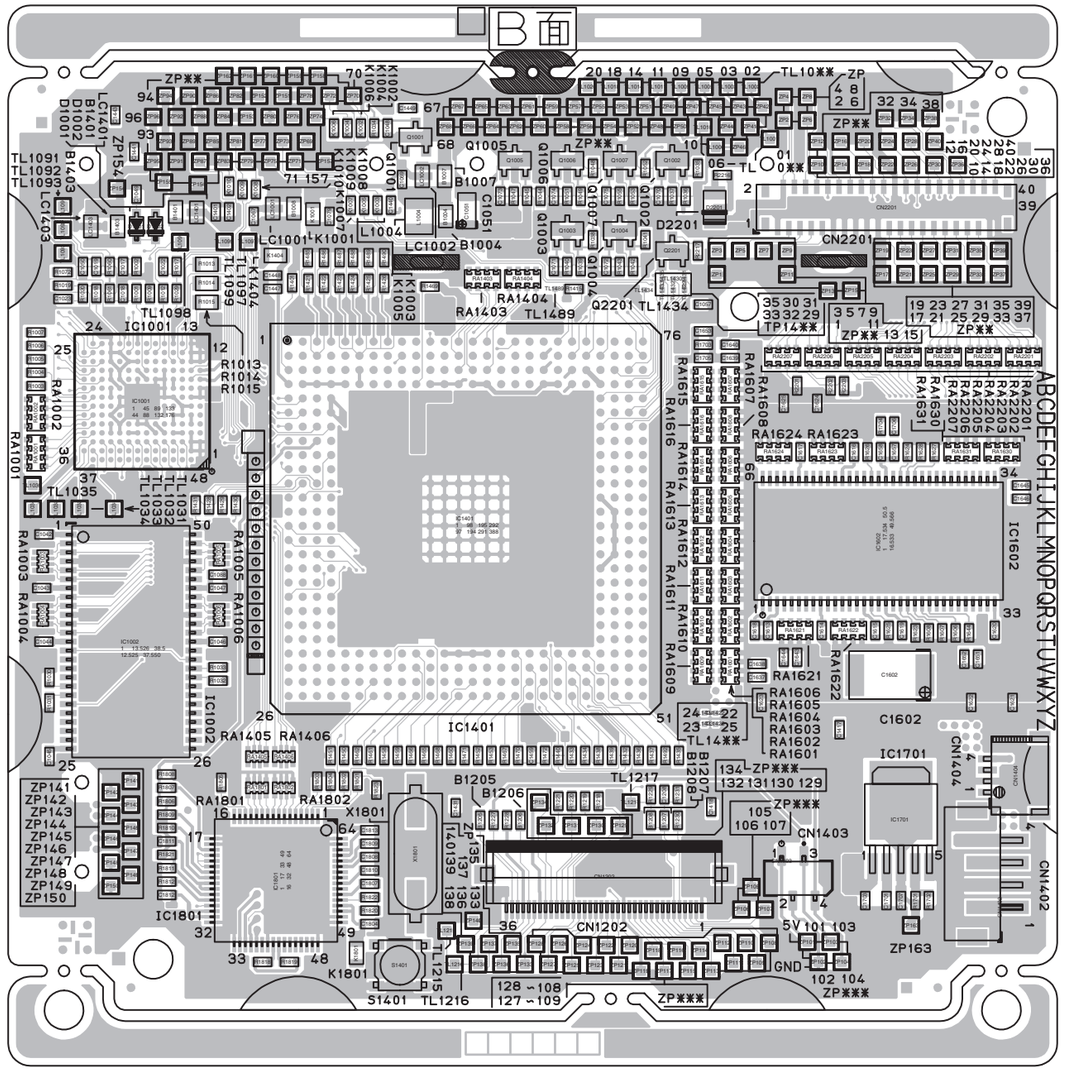
REF.NO.	LOCATION
CAPACITOR	
C5001	A D 14B
C5002	A D 12C
C5003	A D 13D
C5004	A D 14H
C5005	A D 14F
C5101	A D 11D
C5102	A D 11C
C5103	A D 13E
C5104	A D 13F
C5105	A D 13G
C5106	B C 11G
C5107	B C 13G
C5201	A D 7G
C5202	A D 8C
C5203	A D 8C
C5204	A D 8B
C5205	A D 11A
C5206	A D 8F
C5207	A D 8E
C5208	A D 8D
C5209	A D 9A
C5211	A D 10A
C5301	A D 10G
C5302	A D 10G
C5303	B C 1B
C5304	A D 7C
C5305	A D 6B
C5306	A D 7B
C5307	A D 7D
C5308	A D 7D
C5309	A D 8A
C5310	A D 1C
C5311	A D 1D
C5312	A D 4G
C5313	B C 3E
C5314	B C 2E
C5315	A D 2E
C5316	A D 2B
C5317	A D 4D
C5318	B C 1C
C5319	B C 3D
C5320	B C 2D
C5321	A D 3D
C5322	A D 5A
C5323	A D 5B
C5324	B C 5C
C5325	B C 5D
C5326	B C 2D
C5327	B C 1D
C5329	B C 5D
C5330	A D 5E
C5331	B C 5E
C5332	A D 5D
CONNECTOR	
CN5001	A D 15B
CN5301	A D 4F
CN5302	A D 1F
CN5303	A D 7F
CN5304	A D 7E
CN5305	A D 15H
DIODE	
D5001	A D 12D
D5101	A D 11C
D5102	A D 10C
D5103	A D 11G
D5104	A D 13G
D5105	A D 11G
D5106	A D 13G
D5201	A D 9F
D5202	A D 9C
D5203	A D 9C
D5204	A D 9C
D5205	A D 9B
D5206	A D 10B
D5207	A D 9F
D5208	A D 9E
D5209	A D 9E
D5210	A D 9E
D5211	A D 10B
D5212	A D 10B
D5214	A D 10B
D5301	A D 9B
D5302	A D 4F
D5303	A D 6B
D5304	A D 4C
D5305	A D 7D
D5306	A D 8F
D5307	A D 8F
D5308	A D 3B
D5309	A D 6A
D5310	A D 6B
D5311	A D 6B
D5312	A D 6C
D5313	A D 6C
D5314	A D 6D
D5315	A D 3E
D5316	A D 7D
D5317	A D 6B
D5318	A D 5D
IC	
IC5101	A D 13F
IC5301	A D 10G
IC5302	A D 2B
IC5303	B C E2
IC5304	B C 2D
IC5305	B C 1C
IC5306	B C 1D
IC5307	B C 5D
IC5308	B C 5D
COIL	
L5201	A D 7C
L5202	A D 7B
L5203	A D 7B
L5204	A D 7D
L5205	A D 7E
L5206	A D 8A
L5208	A D 9A
LF5002	A D 13C
TRANSISTOR	
Q5301	B C 7G
Q5302	B C 6F
Q5303	B C 5B
Q5304	B C 3B
Q5305	A D 5A
Q5308	A D 4D
Q5310	A D 6G
Q5313	A D 3F
Q5314	B C 3F
Q5315	A D 6D
Q5316	A D 6D
Q5317	B C 6E
RESISTOR	
R5001	A D 15G
R5101	A D 14D
R5102	B C 12G
R5103	A D 10C
R5104	B C 13G
R5105	A D 11F
R5106	B C 13G
R5107	B C 13F
R5108	A D 13F
R5301	B C 10G
R5302	B C 10G
R5303	B C 10G
R5304	B C 10H
R5305	B C 10H
R5306	B C 9G
R5307	A D 6C
R5308	A D 7C
R5310	A D 6G
R5314	A D 8F
R5317	B C 6G
R5318	B C 6G
R5319	B C 2A
R5320	B C 2A
R5321	B C 11A
R5323	B C 5F
R5324	B C 5F
R5327	A D 4F
R5328	A D 4F
R5329	B C 5D
R5330	B C 5D
R5331	A D 5B
R5332	B C 5B
R5333	A D 3E
R5334	B C 3F
R5335	B C 3F
R5336	B C 6D
R5337	B C 6E
OTHER	
CP5301	A D 8F
F5001	A D 14B
FC5001	A D 14B
FC5002	A D 14A
K5102	A D 10C
PC0220	A D 15B
PC0221	A D 15B
PC5101	A D 10G
SG5001	B C 15A
T5001	A D 11F
VA5001	A D 14C
VA5003	A D 16A

■ Digital board <02> LPB10236-001D

Forward side



Reverse side



COMPONENT PARTS LOCATION GUIDE <DIGITAL> LPB10236-001D

REF.NO.	LOCATION
CAPACITOR	
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C1002	A C 2D
C1003	A C 2D
C1004	A C 1D
C1005	A C 1E
C1006	A C 1E
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C1008	A C 1E
C1009	A C 1E
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C1011	A C 1E
C1012	A C 1E
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C1014	A C 1D
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C1021	A C 1D
C1022	B C 1E
C1023	B C 1E
C1024	A C 1D
C1025	A C 1D
C1026	A C 1D
C1027	A C 1D
C1028	A C 1D
C1029	A C 1D
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C1039	A C 2D
C1040	A C 1D
C1041	A C 1D
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C1043	B C 1C
C1044	B C 1C
C1045	B C 1B
C1046	B C 2C
C1047	B C 2C
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C1415	A C 2D
C1416	A C 3C
C1417	B C 5C
C1418	B C 5B
C1419	A C 3D
C1420	A C 3D

REF.NO.	LOCATION
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C1423	A C 3E
C1424	A C 4D
C1425	A C 3D
C1426	A C 5A
C1427	A C 4C
C1428	A C 4E
C1429	A C 4C
C1430	A C 4D
C1431	B C 3B
C1432	A C 3A
C1433	A C 1F
C1434	A C 3D
C1435	A C 3D
C1436	A C 3D
C1437	A C 3D
C1438	A C 3D
C1439	A C 3C
C1440	B C 3F
C1441	B C 1F
C1442	A C 2D
C1443	B C 1F
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C1648	A C 5D
C1649	A C 6D
C1650	A C 6D
C1651	B C 6C
C1652	B C 6C
C1653	B C 5E
C1654	A C 4E
C1655	A C 6C
C1656	A C 6C
C1657	B C 6D
C1658	B C 6D
C1701	B C 6A
C1702	A C 6B
C1703	B C 6A
C1704	A C 6B
C1705	B C 5E
C1706	B C 6D
C1707	B C 6A
C1708	A C 6B
C1709	A C 5C
C1710	A C 6B
C1801	A C 2B
C1802	A C 2B
C1803	A C 2B
C1804	B C 3A
C1805	A C 2B
C1806	A C 2B
C1807	B C 3B
C1808	B C 3B
C1809	B C 3B
C1810	B C 3B
C1811	B C 1B
C1812	B C 1B
C1813	B C 3B
C1814	A C 2A
C2201	A C 6D
C2202	A C 6E
CONNECTOR	
CN1001	A C 4F
CN1002	A C 2F
CN1202	B C 4B
CN1402	B C 6A

REF.NO.	LOCATION
CN1403	B C 5B
CN1404	B C 7B
CN1801	A C 1B
CN2201	B C 6F
DIODE	
D1001	B C 1F
D1002	B C 1F
D1401	A C 3E
D1402	A C 3E
D1403	A C 2C
D2201	B C 5F
IC	
IC1001	B C 1D
IC1002	B C 1C
IC1201	A C 3B
IC1202	A C 5B
IC1203	A C 5B
IC1401	B C 3D
IC1404	A C 3C
IC1405	A C 2C
IC1601	A C 6D
IC1602	B C 6D
IC1701	B C 6B
IC1801	B C 2B
IC2201	A C 6E
IC2202	A C 5E
COIL	
L1004	B C 3F
L1801	A C 2B
L1802	A C 2B
LC1001	B C 2F
LC1002	B C 3F
LC1003	A C 2D
LC1004	A C 4E
LC1401	B C 2F
LC1402	A C 5E
LC1403	B C 1F
TRANSISTOR	
Q1001	B C 3F
Q1002	B C 4F
Q1003	B C 4E
Q1004	B C 4E
Q1005	B C 4F
Q1006	B C 4F
Q1007	B C 4F
Q1008	A C 4E
Q1009	A C 4E
Q1010	A C 3E
Q1011	A C 3D
Q2201	B C 4E
RESISTOR	
R1001	B C 1E
R1002	B C 1E
R1003	B C 1E
R1004	B C 1E
R1005	B C 1E
R1006	B C 1E
R1007	B C 1E
R1009	B C 1E
R1010	A C 1D
R1012	B C 1E
R1013	B C 2E
R1014	B C 2E
R1015	B C 2E
R1017	B C 2E
R1018	B C 1E
R1019	B C 1E
R1020	B C 1E
R1021	A C 1D
R1022	A C 1D
R1024	A C 2D
R1027	A C 2E
R1028	A C 2E
R1029	B C 2E
R1030	B C 1C
R1031	B C 1C
R1032	B C 2C
R1033	B C 2C
R1034	B C 3F
R1035	B C 5F
R1036	B C 5F
R1037	B C 4F
R1038	B C 4E
R1039	B C 4E
R1040	B C 4E
R1041	B C 4E
R1042	B C 4E
R1043	B C 4E
R1044	B C 4F
R1045	B C 4F
R1046	A C 2E
R1047	B C 4F
R1048	B C 4F
R1049	B C 4F
R1050	A C 2E
R1051	B C 4F
R1052	B C 4F
R1053	B C 4F
R1054	A C 2E
R1055	B C 4F
R1056	A C 4E
R1057	A C 4E
R1059	A C 4E
R1060	B C 1E
R1061	B C 1E
R1062	A C 3E
R1065	A C 3D
R1066	A C 3E
R1067	A C 3D
R1068	A C 3E

REF.NO.	LOCATION
R1069	A C 4E
R1070	A C 3E
R1071	A C 2E
R1072	B C 1E
R1216	A C 3A
R1217	A C 5B
R1218	B C 4B
R1219	B C 4B
R1220	B C 4B
R1221	B C 4B
R1222	A C 3A
R1223	A C 3A
R1224	A C 3A
R1225	A C 3A
R1226	A C 5B
R1227	B C 3B
R1228	B C 3B
R1229	B C 4B
R1230	B C 5B
R1231	B C 5B
R1401	B C 2E
R1402	A C 3E
R1408	A C 2D
R1409	A C 3E
R1410	A C 3E
R1411	A C 3E
R1412	A C 3E
R1413	A C 2D
R1414	A C 4E
R1415	B C 4E
R1416	A C 4E
R1417	A C 4D
R1419	A C 3E
R1420	A C 3E
R1421	B C 2E
R1422	B C 2E
R1423	B C 2E
R1424	B C 3E
R1425	B C 3E
R1426	B C 3E
R1427	A C 2D
R1428	B C 2D
R1429	B C 2D
R1430	B C 2D
R1431	B C 2D
R1432	B C 4B
R1433	B C 4B
R1434	B C 4B
R1435	B C 5B
R1436	B C 4B
R1437	B C 4B
R1438	B C 4B
R1439	B C 4B
R1440	B C 4B
R1441	A C 2C
R1443	A C 2C
R1444	A C 2C
R1445	A C 3C
R1446	A C 2C
R1447	A C 2C
R1448	A C 2C
R1449	A C 2B
R1450	B C 3B
R1451	B C 2B
R1452	B C 3B
R1453	B C 3B
R1458	B C 3B
R1459	B C 3B
R1460	B C 3B
R1461	B C 3B
R1462	B C 3B
R1465	B C 3B
R1466	B C 3B
R1467	B C 3B
R1468	B C 3B
R1469	B C 3E
R1470	B C 4B
R1471	B C 3B
R1472	B C 4B
R1473	A C 4D
R1474	A C 4E
R1475	A C 4E
R1476	A C 4E
R1477	A C 4E
R1478	A C 4E
R1479	A C 4D
R1480	A C 4E
R1481	A C 4D
R1482	A C 4E
R1483	A C 4E
R1485	B C 2E
R1486	B C 2E
R1487	B C 2E
R1488	B C 3E
R1489	B C 3E
R1490	B C 3E
R1491	A C 2D
R1492	B C 4B
R1493	A C 3D
R1496	A C 1C
R1497	A C 2C
R1498	A C 1C
R1601	A C 5C
R1602	A C 5C
R1603	A C 5C
R1604	A C 5C
R1605	A C 6C
R1606	B C 6C
R1607	B C 6C
R1608	B C 6C
R1609	A C 5D
R1610	A C 5D
R1611	A C 5D
R1612	A C 5D
R1613	A C 5D

REF.NO.	LOCATION
R1614	A C 5D
R1615	A C 5D
R1616	A C 5D
R1617	A C 6D
R1618	A C 6C
R1619	A C 6D
R1620	A C 6C
R1621	A C 6C
R1622	A C 6C
R1623	B C 6C
R1624	B C 6D
R1625	B C 6C
R1626	B C 6D
R1627	B C 6D
R1628	B C 6D
R1642	A C 5C
R1644	B C 6C
R1645	A C 5D
R1646	A C 5D
R1647	A C 5D
R1648	A C 5D
R1649	A C 5D
R1650	A C 5D
R1651	A C 5D
R1652	A C 5D
R1653	A C 5D
R1654	A C 5D
R1655	A C 5D
R1656	A C 5D
R1657	A C 5D
R1658	A C 5D
R1659	A C 5D
R1660	A C 5D
R1701	B C 6A
R1702	B C 6A
R1703	B C 5E
R1704	B C 6D
R1707	A C 6B
R1801	B C 3B
R1802	B C 3B
R1803	B C 2B
R1804	B C 2B
R1805	B C 2B
R1806	B C 1B
R1807	B C 1B
R1808	B C 1B
R1809	B C 1B
R1810	B C 1B
R1811	B C 1B
R1812	B C 1B
R1813	A C 2B
R1814	A C 2B
R1815	A C 2B
R1816	A C 2B
R1817	A C 2B
R1818	B C 2A
R1819	B C 2A
R1820	B C 3A
R1821	B C 1B
R1822	B C 3B
R1823	B C 3B
R2201	B C 5E
R2202	B C 5E
R2203	B C 5E
R2204	A C 6E
R2205	A C 5E
R2206	A C 6E
R2207	A C 6E
R2208	A C 6E
R2209	A C 5E
R2210	A C 5E
R2211	A C 6F
R2212	A C 5F
R2213	A C 5E
R2214	A C 5F
R2215	A C 5E
R2216	B C 5F
R2217	B C 5E
RA1001	B C 1D
RA1002	B C 1D
RA1003	B C 1D
RA1004	B C 1C
RA1005	B C 2D
RA1006	B C 2C
RA1201	A C 5B
RA1202	A C 5B
RA1203	A C 5B
RA1204	A C 5B
RA1401	A C 3E
RA1402	A C 3E
RA1403	B C 3E
RA1404	B C 4E
RA1405	B C 2B
RA1406	B C 2B
RA1407	A C 4B
RA1408	A C 4B
RA1409	A C 3B
RA1410	A C 3B
RA1411	A C 3B
RA1601	B C 5C
RA1602	B C 5C
RA1603	B C 5C
RA1604	B C 5D
RA1605	B C 5D
RA1606	B C 5D
RA1607	B C 5E
RA1608	B C 5D
RA1609	B C 5C
RA1610	B C 5C
RA1611	B C 5C
RA1612	B C 5D
RA1613	B C 5D
RA1614	B C 5D
RA1615	B C 5E
RA1616	B C 5D

REF.NO.	LOCATION
RA1617	A C 5D
RA1618	A C 5D
RA1619	A C 5C
RA1620	A C 5C
RA1621	B C 5C
RA1622	B C 6C
RA1623	B C 5D
RA1624	B C 5D
RA1625	A C 5C
RA1626	A C 4C
RA1627	A C 4C
RA1628	A C 5C
RA1629	A C 6D
RA1630	B C 6D
RA1631	B C 6D
RA1632	A C 6D
RA1801	B C 2B
RA1802	B C 2B
RA2201	B C 7E
RA2202	B C 6E
RA2203	B C 6E
RA2204	B C 6E
RA2205	B C 6E
RA2206	B C 5E
RA2207	B C 5E
RA2208	A C 6E
RA2209	A C 6E
RA2210	A C 6E
RA2211	A C 6E
OTHER	
K1001	B C 2F
K1002	B C 3F
K1003	B C 3F
K1004	B C 3F
K1005	B C 3F
K1006	B C 2F
K1007	B C 3F
K1008	B C 2F
K1009	B C 2F
K1010	B C 2F
K1011	A C 4E
K1012	A C 4E
K1013	A C 4E
K1014	A C 4E
K1015	A C 3E
K1016	A C 4E
K1017	A C 3E
K1018	A C 3E
K1019	A C 1E
K1020	A C 2D
K1201	A C 5C
K1401	A C 3D
K1402	A C 2D
K1403	A C 2E
K1404	B C 2E
K1405	A C 3C
K1406	A C 3C
K1407	A C 2E
K1408	A C 3D
K1701	A C 6B
K1702	A C 6B
K1801	B C 3A
K2201	A C 6F
K2202	A C 6F
K2203	A C 6F
K2204	A C 6F
K2205	A C 6F
K2206	A C 6F
K2207	A C 6F
K2208	A C 6F
K2209	A C 6F
K2210	A C 6F
K2211	A C 6F
K2212	A C 6F
K2213	A C 6F
K2214	A C 6F
K2215	A C 6F
K2216	A C 6F
K2217	A C 6F
K2218	A C 5F
K2219	A C 5F
K2220	A C 5F
K2221	A C 5F
S1401	B C 3A
T1801	A C 2B
TL1001	B C 5F
TL1002	B C 5F
TL1003	B C 5F
TL1005	B C 5F
TL1006	B C 5F
TL1009	B C 5F
TL1010	B C 5F
TL1011	B C 4F
TL1014	B C 4F
TL1018	B C 4F
TL1020	B C 4F
TL1031	B C 1D
TL1032	B C 1D
TL1033	B C 1D
TL1034	B C 1D
TL1035	B C 1D
TL1091	B C 1F
TL1092	B C 1E
TL1093	B C 1E
TL1097	B C 2E
TL1098	B C 2E
TL1099	B C 2E
TL1215	B C 3A
TL1216	B C 3A
TL1217	B C 4B
TL1402	A C 2E
TL1403	A C 3D
TL1404	A C 3E
TL1407	A C 2E

REF.NO.	LOCATION
TL1412	A C 3E
TL1413	A C 2D
TL1414	A C 2D
TL1415	A C 2D
TL1417	A C 2D
TL1418	A C 2D
TL1419	A C 2D
TL1420	A C 2D
TL1422	B C 5C
TL1423	B C 5C
TL1424	B C 5C
TL1425	B C 5C
TL1429	B C 5E
TL1430	B C 4E
TL1431	B C 5E
TL1432	B C 4E
TL1433	B C 4E
TL1434	B C 4E
TL1435	B C 4E
TL1436	A C 4C
TL1437	A C 2D
TL1448	A C 4C
TL1449	A C 2C
TL1450	A C 1C
TL1451	A C 2C
TL1452	A C 2C
TL1453	A C 2C
TL1454	A C 2C
TL1455	A C 2C
TL1456	A C 2C
TL1457	A C 1C
TL1458	A C 2C
TL1459	A C 2C
TL1460	A C 1C
TL1461	A C 1C
TL1462	A C 2C
TL1463	A C 2C
TL1464	A C 2C
TL1485	A C 3C
TL1486	A C 3C
TL1487	A C 4C
TL1488	A C 4C
TL1489	B C 4E
TL1490	A C 3E
TL1491	A C 3E
TL1492	A C 5A
TL1493	A C 5A
TL1494	A C 6A
TL1495	A C 6A
TM1	A C 1F
TM2	A C 1F
TM3	A C 6A
TM4	A C 6A
TM5	A C 7F
TM6	A C 7F
TM7	A C 1A
TM8	A C 1A
X1401	A C 2E
X1801	B C 3B

■ VOLTAGE CHARTS

<POWER SUPPLY>

MODE PIN NO.	P.ON
IC5101	
1	307.8
2	0
3	0
4	16.3
5	2.3
IC5301	
1	2.4
2	0.1
3	4.5
IC5302	
1	2.4
2	2.0
3	0
4	1.2
5	4.8
IC5304	
1	4.9
2	0
3	0
4	3.3
5	4.9
6	0
7	5.6
IC5305	
1	2.6
2	0
3	0
4	1.3
5	4.8
6	0
7	-0.1
8	3.3
IC5306	
1	3.3
2	0
3	0
4	1.9
5	4.8
6	0
7	4.2
Q5301	
E	5.6
C	5.5
B	0.5
Q5302	
E	0.1
C	0
B	4.8
Q5303	
E	11.2
C	11.2
B	0
Q5304	
E	0
C	0
B	4.8
Q5305	
E	10.6
C	12.2
B	11.2
Q5308	
E	5.0
C	5.6
B	5.8
Q5310	
E	-14.9
C	-14.8
B	-14.2
Q5313	
E	11.2
C	11.2
B	10.5
Q5314	
E	0
C	0.1
B	4.8
Q5315	
E	5.3
C	5.3
B	4.6
Q5316	
E	13.1
C	13.1
B	12.4
Q5317	
E	0
C	0
B	4.9
CN5001	
1	AC220V
2	AC220V
CN5301	
1	-16.3
2	-20.3
3	-29.3

MODE PIN NO.	P.ON
4	-11.9
5	4.8
6	12.2
7	4.8
8	10.5
9	5.0
10	5.0
11	5.0
12	5.6
13	4.8
14	0
15	0
16	0
17	3.3
18	32.6
19	52.4
20	-
21	-
22	-
23	-
CN5302	
1	1.9
2	1.9
3	1.9
4	2.6
5	0
6	3.3
7	0
8	0
9	0.1
CN5303	
1	13.1
2	0
3	0
4	5.2
CN5305	
1	11.2
2	0

<MAIN>

MODE PIN NO.	P.ON
IC3001	
1	0
2	0
3	1.6
4	0
5	1.1
6	0
7	4.2
8	0
9	4.8
10	4.9
11	0.1
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	2.6
21	4.4
22	0
23	0
24	0
25	0
26	1.1
27	0
28	4.8
29	0
30	0
31	4.8
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	4.0
40	0
41	4.8
42	4.3
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	4.8
60	4.8
61	4.8
62	0
63	0
64	1.4
65	1.2
66	4.9
67	2.4
68	0
69	2.4
70	3.4
71	4.9
72	0
73	0
74	4.8
75	4.2
76	4.1
77	0
78	1.0
79	0
80	4.9
81	0
82	4.9
83	0
84	0
85	4.8
86	0
87	0
88	0
89	0
90	-0.1
91	0
92	0.5
93	0
94	0
95	0
96	4.8

MODE PIN NO.	P.ON
97	0
98	0
99	1.3
100	1.3
101	0
102	0
103	0
104	0
105	0
106	0
107	0
108	0
109	4.9
110	1.3
111	0
112	1.7
IC3002	
1	4.9
2	4.9
3	0
4	0
IC3004	
1	0
2	0
3	0
4	0
5	0
6	4.2
7	0
8	4.8
IC4001	
1	0
2	0.1
3	2.1
4	4.9
5	2.8
6	0
7	2.0
8	0
9	2.8
10	0.1
11	2.1
12	0
13	0
14	2.7
15	1.5
16	2.7
17	2.4
18	0
19	1.5
20	0
21	2.6
22	2.7
23	3.0
24	3.4
25	2.8
26	4.9
27	2.8
28	2.2
29	2.3
30	0
31	2.7
32	0.1
33	2.8
34	0.3
35	2.8
36	3.5
37	0
38	4.7
39	4.7
40	2.8
41	2.6
42	2.8
43	3.0
44	1.6
45	2.6
46	5.0
47	0.6
48	2.8
49	0
50	2.8
51	2.9
52	0
53	3.3
54	2.4
55	0
56	2.5
IC4201	
1	0
2	2.5
3	5.0
4	4.9
5	0
6	4.1
7	4.2
8	0
9	4.6

MODE PIN NO.	P.ON
10	0
11	2.7
12	2.7
13	1.1
14	1.5
15	5.0
16	3.4
17	2.5
18	4.7
19	5.0
20	4.9
21	0
22	3.5
23	4.9
24	4.9
IC6701	
1	4.2
2	1.5
3	1.5
4	0
5	2.0
6	2.0
7	1.3
8	0
9	0
10	3.5
11	3.5
12	4.2
13	4.0
14	1.5
15	1.5
16	1.5
17	1.5
18	1.5
19	4.9
20	0
21	1.5
22	4.2
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	2.3
31	2.3
32	0
33	4.6
34	3.7
35	0
36	2.3
37	0
38	0
39	0
40	2.3
41	2.3
42	2.5
43	2.3
44	0
IC7301	
1	4.9
2	2.3
3	2.8
4	1.6
5	0
6	1.6
7	0
8	2.4
9	3.3
10	1.6
11	0
12	2.3
13	2.7
14	2.3
15	0
16	2.4
17	0
18	2.4
19	0
20	2.3
21	2.1
22	0
23	2.2
24	0
25	0
26	2.4
27	0
28	4.9
IC7302	
1	0
2	1.2
3	4.9
4	2.8
5	0
6	1.3
IC7303	

MODE PIN NO.	P.ON
1	0
2	0.6
3	0
4	0.6
5	0.6
6	0
7	-4.7
8	0
9	0
10	0
11	0
12	0.6
13	0
14	0
15	0.6
16	4.9
IC7304	
1	0
2	2.1
3	4.9
4	2.8
5	0
6	2.8
IC8001	
1	2.4
2	0
3	2.5
4	0
5	2.4
6	0
7	2.4
8	0
9	2.4
10	2.4
11	2.4
12	2.4
13	2.4
14	2.4
15	0
16	0
17	0
18	0
19	0
20	3.3
21	0
22	0
23	1.7
24	1.7
25	3.1
26	0
27	0
28	0
29	0
30	0
31	0
32	2.4
33	0
34	3.3
35	0
36	0
37	0
38	0
39	0
40	2.4
41	0
42	2.5
43	0
44	2.4
IC8201	
1	1.7
2	1.7
3	1.7
4	1.6
5	3.3
6	3.3
7	2.7
8	0.1
9	2.4
10	2.4
11	2.5
12	2.4
13	0
14	4.9
15	0
16	0
IC8202	
1	0
2	1.2
3	1.2
4	-10.8
5	1.2
6	1.2
7	0
8	11.3
IC8301	
1	7.6
2	0

MODE PIN NO.	P.ON
3	7.6
4	0
5	6.9
6	6.9
7	0
8	7.6
9	11.5
10	7.6
IC8302	
1	7.6
2	0
3	7.6
4	0
5	6.9
6	6.9
7	0
8	7.6
9	11.4
10	7.6
IC8303	
1	0
2	0
3	0
4	-10.9
5	0
6	0
7	0
8	11.3
IC8501	
1	3.3
2	1.6
3	1.6
4	0
5	0
6	0
7	0
8	1.6
9	1.7
10	3.3
11	1.6
12	1.7
13	3.3
14	3.3
Q3004	
E	0
C	0
B	0.7
Q3007	
E	0
C	5.6
B	0
Q3009	
E	0
C	1.6
B	0
Q3010	
E	0
C	4.8
B	0
Q3901	
E	0
C	4.9
B	0
Q4001	
E	3.0
C	0
B	2.3
Q4003	
E	1.8
C	4.9
B	2.4
Q4005	
E	3.1
C	5.0
B	3.5
Q4101	
E	4.9
C	5.6
B	5.6
Q6030	
E	5.0
C	0
B	4.3
Q6031	
E	0
C	4.3
B	0
Q7001	
E	0.7
C	1.6
B	1.4
Q7201	
E	2.5
C	5.6
B	1.0
Q7301	
E	0.8

MODE PIN NO.	P.ON
C	0.8
B	1.4
Q7302	
E	0.3
C	10.6
B	0.8
Q7310	
E	4.9
C	0
B	5.4
Q7311	
E	-0.5
C	0
B	1.4
Q7312	
E	0
C	5.0
B	0
Q7313	
E	0
C	0
B	4.8
Q7314	
E	-0.1
C	0
B	4.9
Q7315	
E	0
C	10.6
B	0
Q7316	
E	10.6
C	0
B	10.6
Q7317	
E	1.9
C	0
B	1.3
Q8201	
E	0
C	4.9
B	0.7
Q8202	
E	4.9
C	-5.9
B	5.0
Q8203	
E	0
C	0
B	-5.9
Q8205	
E	0
C	0
B	-5.9
Q8301	
E	0
C	0
B	-5.9
Q8302	
E	0
C	0
B	-5.9
Q8303	
E	0
C	0
B	-5.9
Q8304	
E	0
C	0
B	-5.9
TU6001	
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	-
16	-
17	-
18	-
19	-
20	-
21	-
22	-
23	-
24	-
25	-
26	4.9

MODE PIN NO.	P.ON
27	0
28	1.0
29	0
30	1.4
31	0
32	0
33	4.5
34	0
35	0
36	4.8
37	4.8
38	-
39	4.9
40	0
41	32.5
42	0
43	0
44	0
45	0
46	2.4
47	0
48	2.7
49	4.3
CN3001	
1	-15.6
2	-28.5
3	-19.5
4	0
5	0
6	4.9
7	4.8
8	4.5
9	4.6
10	0
11	4.0
12	4.1
13	0
14	0
15	-26.3
16	-28.7
17	-28.6
18	-23.9
CN3002	
1	4.9
2	0.1
3	0
4	0
5	-27.9
6	-27.9
7	-27.9
8	-27.9
9	4.9
10	-
11	-
12	-
13	-
CN3901	
1	0
2	4.9
3	0
4	4.9
5	0.1
6	4.8
CN4001	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	-0.1
10	0
11	0
CN4101	
1	0
2	1.2
3	0
4	0
5	0
6	1.3
7	0
8	0
9	1.0
10	0.6
11	0.6
12	0
13	3.3
14	0.6
15	0
16	0
17	0
18	3.0
19	1.7
20	1.8
21	3.3

MODE PIN NO.	P.ON
22	0
23	3.3
24	1.7
25	0
26	1.6
27	2.6
28	1.7
CN4102	
1	0
2	0
3	0
4	-
5	1.2
6	4.8
7	4.8
8	0
9	4.5
10	5.0
11	0
12	0
13	0
14	4.9
15	0
16	3.3
17	0
18	0
19	1.6
20	0
21	1.8
22	1.8
23	1.8
24	1.8
25	2.5
26	2.5
27	3.3
28	3.3
CN5101	
1	-
2	-
3	-
4	-
5	52.4
6	32.5
7	0
8	0
9	0
10	-0.1
11	4.8
12	5.6
13	5.0
14	5.0
15	5.0
16	10.6
17	4.8
18	12.2
19	4.8
20	-11.9
21	-29.4
22	-20.3
23	-16.2
CN5102	
1	1.9
2	1.9
3	1.9
4	2.6
5	0.1
6	3.4
7	0
8	0
9	0
CN7301	
1	0.9
2	0
3	2.0
4	0
5	0
6	0
7	0

JVC

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No.YD025SCH

Printed in Japan
WPC

PARTS LIST

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

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

Area Suffix	
AA	Australia
AG	Universal Asia
AX	Middle East

- Contents -

Exploded view of general assembly and parts list

Block No.M1MM

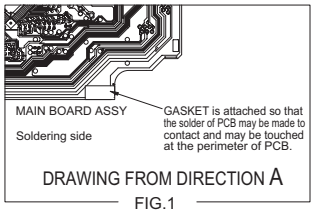


FIG.1

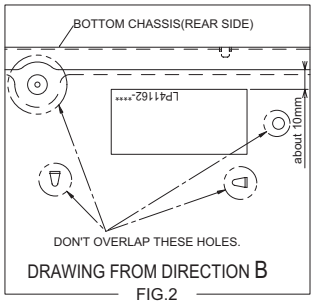


FIG.2

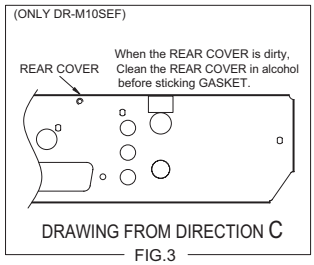


FIG.3

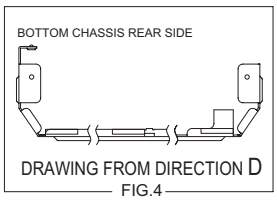


FIG.4

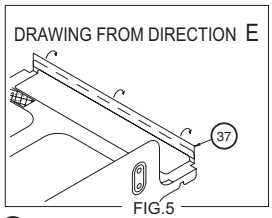


FIG.5

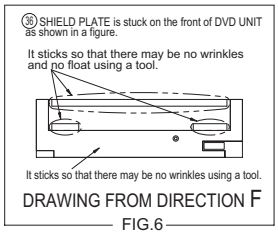
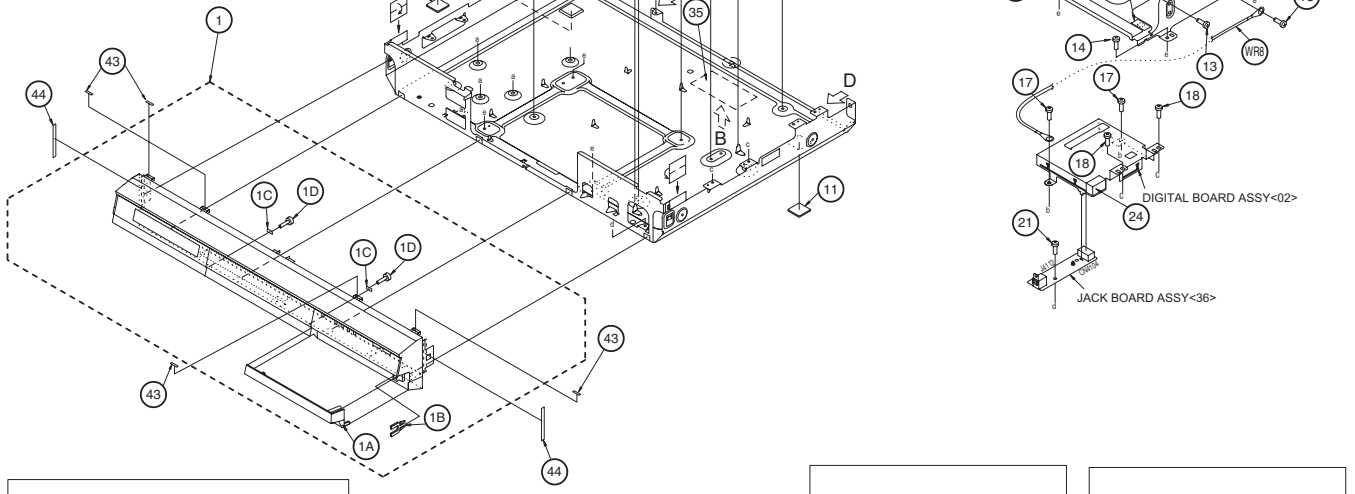


FIG.6



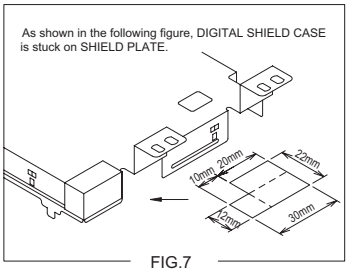


FIG.7

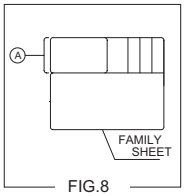


FIG.8

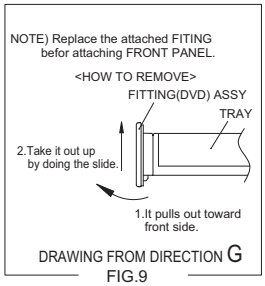


FIG.9

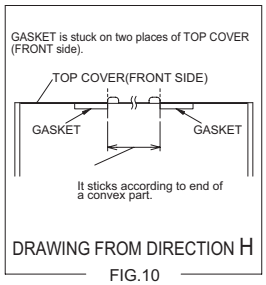
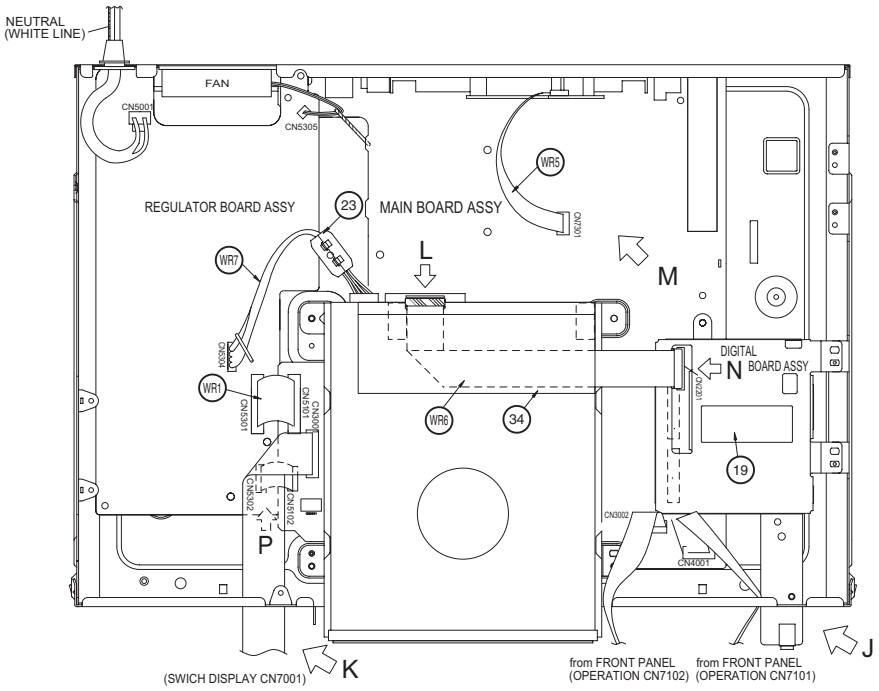


FIG.10



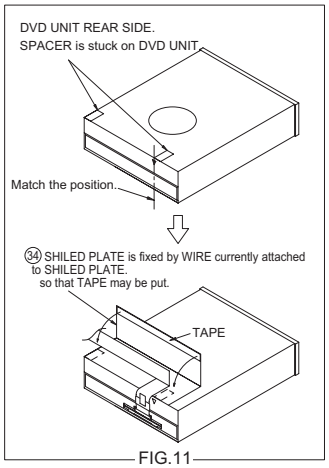


FIG.11

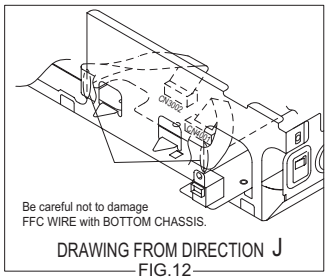


FIG.12

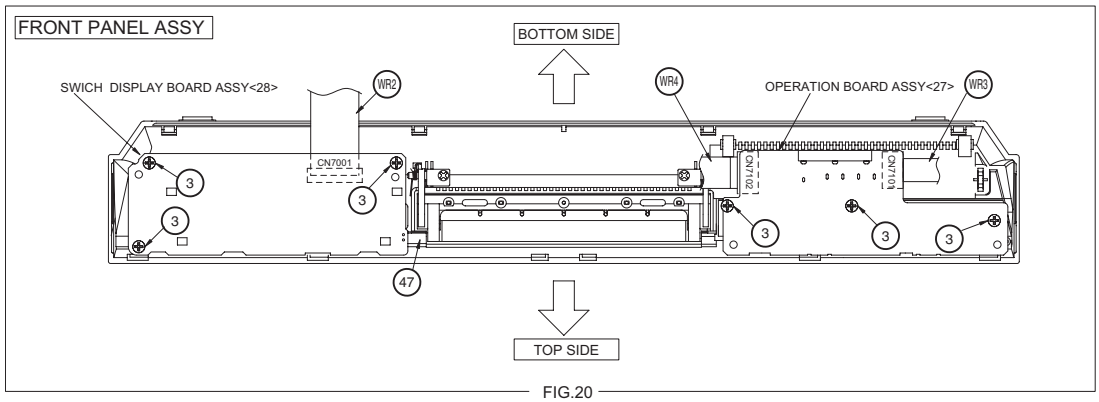


FIG.20

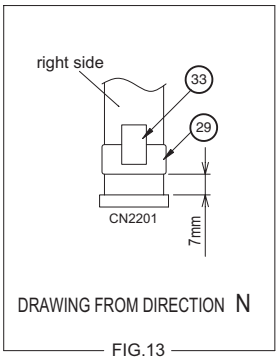
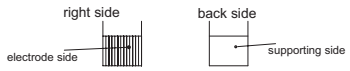


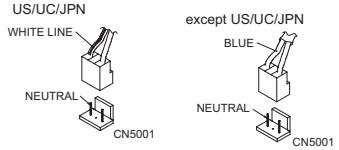
FIG.13

1. Insert direction of FFC WIRE as follows.



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

3.Insert direction of POWER CORD.



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

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

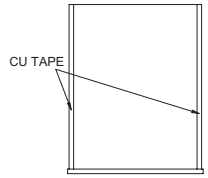


FIG.14

② FITTING(DVD) ASSY

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

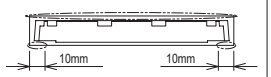
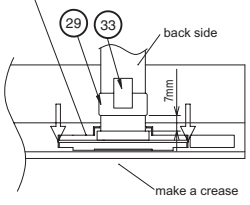


FIG.15

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



DRAWING FROM DIRECTION L

FIG.16

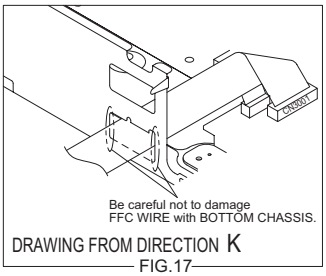


FIG.17

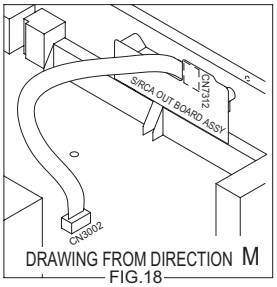


FIG.18

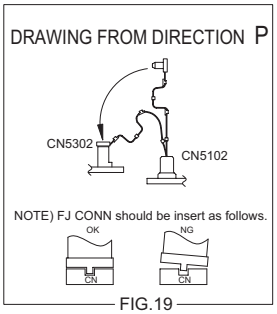


FIG.19

General assembly

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

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

Electrical parts list

Switching regulator board

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10235-03D	REGULATOR BOARD ASSY		M10SAA
PW1	LPA10235-04A	REGILATOR BOARD ASSY		M10SAG,M10SAX
IC5101	STR-G6653-F9	IC		
IC5301	UTCTL431-T	IC		
IC5301 or	MM1431AT-T	IC		
IC5301 or	L5431-T	IC		
IC5301 or	TL431/A/-T	IC		
IC5302	PQ5EV3	IC		
IC5304	MM1565AF-X	IC		
IC5305	MM1662GH-X	IC		
IC5306	MM1563EF-X	IC		
Q5301	DTA114EKA-X	DIGI TRANSISTOR		
Q5301 or	UN2111-X	TRANSISTOR		
Q5301 or	RT1P141C-X	DIGI TRANSISTOR		
Q5302	DTC114EKA-X	TRANSISTOR		
Q5302 or	UN2211-X	TRANSISTOR		
Q5302 or	RT1N141C-X	DIGI TRANSISTOR		
Q5303	DTA114EKA-X	DIGI TRANSISTOR		
Q5303 or	UN2111-X	TRANSISTOR		
Q5303 or	RT1P141C-X	DIGI TRANSISTOR		
Q5304	DTC114EKA-X	TRANSISTOR		
Q5304 or	UN2211-X	TRANSISTOR		
Q5304 or	RT1N141C-X	DIGI TRANSISTOR		
Q5305	2SD2144S/UV/-T	TRANSISTOR		
Q5305 or	2SC3576-JVC-T	TRANSISTOR		
Q5308	2SD1858/QR/-T	TRANSISTOR		
Q5310	2SD2144S/UV/-T	TRANSISTOR		
Q5310 or	2SC3576-JVC-T	TRANSISTOR		
Q5313	2SA1585S/QR/-T	TRANSISTOR		
Q5314	DTC114EKA-X	TRANSISTOR		
Q5314 or	UN2211-X	TRANSISTOR		
Q5314 or	RT1N141C-X	DIGI TRANSISTOR		
Q5315	2SA1585S/QR/-T	TRANSISTOR		
Q5316	2SA1585S/QR/-T	TRANSISTOR		
Q5317	DTC114EKA-X	TRANSISTOR		
Q5317 or	UN2211-X	TRANSISTOR		
Q5317 or	RT1N141C-X	DIGI TRANSISTOR		
⚠ D5001	D3SBA60	DIODE		
⚠ D5001 or	GBJ4J	BRIDGE DIODE		
D5101	10ERB40-T2	FR DIODE		
D5101 or	AU01-T2	SI DIODE		
D5101 or	ERA18-04-T2	FR DIODE		
D5101 or	1SR153-400-T2	FR DIODE		
D5101 or	1F4G-T2	FR DIODE		
D5102	10ERB40-T2	FR DIODE		
D5102 or	AU01-T2	SI DIODE		
D5102 or	ERA18-04-T2	FR DIODE		
D5102 or	1SR153-400-T2	FR DIODE		
D5102 or	1F4G-T2	FR DIODE		
D5103	1F4G-T2	FR DIODE		
D5103 or	10ERB40-T2	FR DIODE		
D5103 or	ERA18-02-T2	FR DIODE		
D5103 or	AU01Z-T2	FR DIODE		
D5103 or	1SR153-400-T2	FR DIODE		
D5104	1SS133-T2	DIODE		
D5104 or	1SS270A-T2	SI DIODE		
D5105	10ERB40-T2	FR DIODE		
D5105 or	ERA18-02-T2	FR DIODE		
D5105 or	AU01Z-T2	FR DIODE		
D5105 or	1SR153-400-T2	FR DIODE		
D5105 or	1F4G-T2	FR DIODE		
D5106	10ERB40-T2	FR DIODE		
D5106 or	ERA18-02-T2	FR DIODE		
D5106 or	AU01Z-T2	FR DIODE		
D5106 or	1SR153-400-T2	FR DIODE		
D5106 or	1F4G-T2	FR DIODE		
D5201	10ERB40-T2	FR DIODE		
D5201 or	ERA18-02-T2	FR DIODE		
D5202	RK34-LFB2	SB DIODE		
D5203	RK34-LFB2	SB DIODE		
D5204	RK34-LFB2	SB DIODE		
D5205	RL2Z-LFB2	FRD		
D5206	1F4G-T2	FR DIODE		
D5206 or	10ERB40-T2	FR DIODE		
D5206 or	ERA18-02-T2	FR DIODE		
D5206 or	AU01Z-T2	FR DIODE		
D5206 or	1SR153-400-T2	FR DIODE		
D5207	1F4G-T2	FR DIODE		
D5207 or	10ERB40-T2	FR DIODE		
D5207 or	ERA18-02-T2	FR DIODE		
D5207 or	AU01Z-T2	FR DIODE		
D5207 or	1SR153-400-T2	FR DIODE		
D5208	RK34-LFB2	SB DIODE		
D5209	RK34-LFB2	SB DIODE		
D5210	RK34-LFB2	SB DIODE		
D5211	1F4G-T2	FR DIODE		
D5211 or	10ERB40-T2	FR DIODE		
D5211 or	ERA18-02-T2	FR DIODE		
D5211 or	AU01Z-T2	FR DIODE		
D5211 or	1SR153-400-T2	FR DIODE		
D5301	MTZJ15A-T2	Z DIODE		
D5301 or	RD15ES/B1/-T2	Z DIODE		
D5302	MTZJ12B-T2	Z DIODE		
D5302 or	RD12ES/B2/-T2	Z DIODE		
D5303	MTZJ12A-T2	Z DIODE		
D5303 or	RD12ES/B1/-T2	Z DIODE		
D5304	MTZJ5.6C-T2	Z DIODE		
D5304 or	RD5.6ES/B3/-T2	Z DIODE		
D5305	RL2Z-LFB2	FRD		
D5306	1SS133-T2	DIODE		
D5306 or	1SS270A-T2	SI DIODE		
D5307	MTZJ27C-T2	Z DIODE		
D5307 or	RD27ES/B3/-T2	Z DIODE		
D5308	RK34-LFB2	SB DIODE		
D5309	RK34-LFB2	SB DIODE		
D5310	RK34-LFB2	SB DIODE		
D5311	1S4-T2	SB DIODE		
D5311 or	AW04-T2	SB DIODE		
D5311 or	SBO40-T2	SB DIODE		
D5311 or	11EQS04-T2	SB DIODE		
D5314	1SS133-T2	DIODE		
D5314 or	1SS270A-T2	SI DIODE		
D5315	1A3G-T2	SI DIODE		
D5315 or	10EDB20-T2	SI DIODE		
D5315 or	ERA15-02-T2	SI DIODE		
D5318	1A3G-T2	SI DIODE		
D5318 or	10EDB20-T2	SI DIODE		
D5318 or	ERA15-02-T2	SI DIODE		
⚠ PC5101	PC123Y22FZ	PHOTO COUPLER		
⚠ C5001	QFZ9073-683	MM CAPACITOR	0.068uF AC250V M	
⚠ C5002	QFZ9073-223	MM CAPACITOR	0.022uF AC250V M	
C5003	QEZ0374-826	E CAPACITOR	82uF 400V M	M10SAA
C5003	QEZ0374-107	E CAPACITOR	100uF 400V M	M10SAG,M10SAX
⚠ C5004	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
C5101	QCZ0339-101Z	C CAPACITOR	100pF 1kV K	
C5102	QCZ0349-472Z	C CAPACITOR	4700pF 1kV K	
C5103	QEMU1VM-276Z	E CAPACITOR	27uF 35V M	
C5104	QCZ0136-471Z	C CAPACITOR	470pF 1kV K	
C5105	QFLC1HJ-471Z	M CAPACITOR	470pF 50V J	
C5106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5107	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C5201	QEMX0JM-227Z	E CAPACITOR	220uF 6.3V M	
C5202	QEMT0JM-128	E CAPACITOR	1200uF 6.3V M	
C5203	QEMT1AM-228	E CAPACITOR	2200uF 10V M	
C5204	QEMT1CM-228	E CAPACITOR	2200uF 16V M	
C5205	QETN2AM-475Z	E CAPACITOR	4.7uF 100V M	
C5206	QEMU1HM-186Z	E CAPACITOR	18uF 50V M	
C5207	QEMT1AM-228	E CAPACITOR	2200uF 10V M	
C5208	QEMT1AM-228	E CAPACITOR	2200uF 10V M	
C5209	QEMT1CM-687	E CAPACITOR	680uF 16V M	
C5301	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	

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

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

Digital board

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10236-07A	DIGITAL BOARD ASSY		M10SAA
PW1	LPA10236-10A	DIGITAL BOARD ASSY		M10SAG
PW1	LPA10236-12A	DIGITAL BOARD ASSY		M10SAX
IC1001	JCP8059	IC		
IC1002	HY57V161610ET-8	IC		
IC1002 or	K4S161622H-TC80	IC		
IC1002 or	MT48LC1M16A1TG8	IC		
IC1002 or	HY57V161610ETP7	IC		
IC1002 or	MT48LC1M16TG-7S	IC		
IC1201	LPN0892-001A	IC(FLASH)	(SERVICE)	M10SAA
IC1201	LPN0908-001A	IC(FLASH)	(SERVICE)	M10SAG
IC1201	LPN0909-001A	IC(FLASH)	(SERVICE)	M10SAX
IC1202	SN74LVC373APW-X	IC(DIGITAL)		
IC1203	SN74LVC373APW-X	IC(DIGITAL)		
IC1401	DMN8652-B0	IC(DIGITAL)		
IC1404	SN74HCT08APW-X	IC		
IC1405	SN74LV08APW-X	IC		
IC1601	HY5DU561622CT-J	IC		
IC1602	HY5DU561622CT-J	IC		
IC1701	PQ015YZ01Z-X	IC		
IC1801	TSB41AB2PAP	IC		
Q1002	2SA1037AK/QR/-X	TRANSISTOR		
Q1002 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1002 or	2SB709A/QR/-X	TRANSISTOR		
Q1003	2SA1037AK/QR/-X	TRANSISTOR		
Q1003 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1003 or	2SB709A/QR/-X	TRANSISTOR		
Q1004	2SA1037AK/QR/-X	TRANSISTOR		
Q1004 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1004 or	2SB709A/QR/-X	TRANSISTOR		
Q1005	2SA1037AK/QR/-X	TRANSISTOR		
Q1005 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1005 or	2SB709A/QR/-X	TRANSISTOR		
Q1006	2SA1037AK/QR/-X	TRANSISTOR		
Q1006 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1006 or	2SB709A/QR/-X	TRANSISTOR		
Q1007	2SA1037AK/QR/-X	TRANSISTOR		
Q1007 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q1007 or	2SB709A/QR/-X	TRANSISTOR		
Q1008	UMZ1N-W	PAIR TRANSISTOR		
Q1008 or	BC847PN-X	PAIR TRANSISTOR		
Q1008 or	BC846PN-X	PAIR TRANSISTOR		
Q1009	2SC2412K/QRS/-X	TRANSISTOR		
Q1009 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1009 or	2SD601A/QRS/-X	TRANSISTOR		
Q1010	2SC2412K/QRS/-X	TRANSISTOR		
Q1010 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1010 or	2SD601A/QRS/-X	TRANSISTOR		
Q1011	2SC2412K/QRS/-X	TRANSISTOR		
Q1011 or	2SC3928A/QRS/-X	TRANSISTOR		
Q1011 or	2SD601A/QRS/-X	TRANSISTOR		
D1001	1SS355-X	SI DIODE		
D1001 or	MA111-X	SI DIODE		
D1002	1SS355-X	SI DIODE		
D1002 or	MA111-X	SI DIODE		
D1401	1SS355-X	SI DIODE		
D1401 or	MA111-X	SI DIODE		
D1402	1SS355-X	SI DIODE		
D1402 or	MA111-X	SI DIODE		
D1403	1SS355-X	SI DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
D1403	or MA111-X	SI DIODE		
C1001	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C1002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1014	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1017	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1019	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1020	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1034	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1035	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1038	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1041	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1043	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1045	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1046	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1047	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1051	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1053	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1062	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1065	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1089	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1090	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1091	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1092	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1093	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1095	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1096	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1097	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1098	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1204	NEH90JM-476X	E CAPACITOR	47uF 6.3V M	
C1206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1403	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1404	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1405	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1406	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1407	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1408	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1409	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1412	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1413	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1416	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1417	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1420	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
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	
C1426	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	
C1431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1432	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1433	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1435	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1436	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1437	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1438	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1439	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1440	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1441	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1442	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1443	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	
C1446	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	
C1449	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1450	NCB31CK-104X	C CAPACITOR	0.1uF 16V 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	
C1458	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1601	NBAD0GM-227X	OS E CAPACITOR	220uF 2.5V M	
C1602	NBAD0GM-227X	OS E CAPACITOR	220uF 2.5V M	
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	
C1638	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1640	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1646	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1648	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1650	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	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1703	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1704	NEH90JM-107X	E CAPACITOR	100uF 6.3V M	
C1706	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1707	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1708	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1710	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C1801	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C1802	NDC31HJ-271X	C CAPACITOR	270pF 50V J	

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

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

⚠ Symbol No.	Part No.	Part Name	Description	Local
K1001	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1002	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1003	NQR0129-002X	FERRITE BEADS		
K1004	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1005	NQR0129-002X	FERRITE BEADS		
K1006	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1007	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1008	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1009	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1010	NQR0129-002X	FERRITE BEADS		
K1011	NQR0129-002X	FERRITE BEADS		
K1012	NQR0129-002X	FERRITE BEADS		
K1013	NQR0129-002X	FERRITE BEADS		
K1014	NQR0129-002X	FERRITE BEADS		
K1015	NQR0129-002X	FERRITE BEADS		
K1016	NQR0129-002X	FERRITE BEADS		
K1017	NQR0129-002X	FERRITE BEADS		
K1018	NQR0129-002X	FERRITE BEADS		
K1019	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1020	NQR0129-002X	FERRITE BEADS		
K1201	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
K1401	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1402	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1403	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1404	NQR0339-001X	FERRITE BEADS		
K1406	NQR0339-001X	FERRITE BEADS		
K1407	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1408	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1701	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1702	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K1801	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K2201	NQR0129-002X	FERRITE BEADS		
K2202	NQR0129-002X	FERRITE BEADS		
K2203	NQR0129-002X	FERRITE BEADS		
K2204	NQR0129-002X	FERRITE BEADS		
K2205	NQR0129-002X	FERRITE BEADS		
K2206	NQR0129-002X	FERRITE BEADS		
K2207	NQR0129-002X	FERRITE BEADS		
K2208	NQR0129-002X	FERRITE BEADS		
K2209	NQR0129-002X	FERRITE BEADS		
K2210	NQR0129-002X	FERRITE BEADS		
K2211	NQR0129-002X	FERRITE BEADS		
K2212	NQR0129-002X	FERRITE BEADS		
K2213	NQR0129-002X	FERRITE BEADS		
K2214	NQR0129-002X	FERRITE BEADS		
K2215	NQR0129-002X	FERRITE BEADS		
K2216	NQR0129-002X	FERRITE BEADS		
K2217	NQR0129-002X	FERRITE BEADS		
K2218	NQR0129-002X	FERRITE BEADS		
K2219	NQR0129-002X	FERRITE BEADS		
K2220	NQR0129-002X	FERRITE BEADS		
K2221	NQR0129-002X	FERRITE BEADS		
LC1401	NQR0415-002X	EMI FILTER	1uF 16V Z	
LC1402	NQR0415-002X	EMI FILTER	1uF 16V Z	
LC1403	NQR0415-002X	EMI FILTER	1uF 16V Z	
OT1	LC41656-001A	COOLING SHEET		
SD1	LP21258-001A	SHIELD CASE		
X1401	NAX0580-001X	CXO	27.0000MHz	
X1801	NAX0666-001X	CRYSTAL	24.576000MHz	

Main board

Block No. [0][3]

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

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC4001 or	JCP8038	IC		
IC4201	LC74793	IC		
IC6701	MSP3417GQGB8V3X	IC		
IC6701 or	MSP3417G-X	IC		
IC7301	MM1623XF-X	IC		
IC7302	MM1508XN-X	IC		
IC7303	TC74HC4053AF-X	IC		
IC7303 or	CD74HC4053NS-X	IC		
IC7304	MM1501XN-X	IC		
IC8001	AK5365VQ	IC		
IC8201	AK4385VT-X	IC		
IC8201 or	AK4381VT-X	IC		
IC8202	BA15218F-XE	IC		
IC8301	LA7151M-X	IC		
IC8302	LA7151M-X	IC		
IC8303	BA15218F-XE	IC		
IC8501	SN74LV08APW-X	IC		
Q3004	2SC2412K/QRS/-X	TRANSISTOR		
Q3004 or	2SD601A/QRS/-X	TRANSISTOR		
Q3004 or	2SC3928A/QRS/-X	TRANSISTOR		
Q3007	UN221E-X	TRANSTSTOR		
Q3007 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3007 or	RT1N44HC-X	DIGI TRANSISTOR		
Q3009	UN221E-X	TRANSTSTOR		M10SAA
Q3009 or	DTC144WKA-X	DIGI TRANSISTOR		M10SAA
Q3009 or	RT1N44HC-X	DIGI TRANSISTOR		M10SAA
Q3010	UN221E-X	TRANSTSTOR		M10SAA
Q3010 or	DTC144WKA-X	DIGI TRANSISTOR		M10SAA
Q3010 or	RT1N44HC-X	DIGI TRANSISTOR		M10SAA
Q3901	UN221E-X	TRANSTSTOR		
Q3901 or	DTC144WKA-X	DIGI TRANSISTOR		
Q3901 or	RT1N44HC-X	DIGI TRANSISTOR		
Q4001	2SB709A/QR/-X	TRANSISTOR		
Q4001 or	2SA1037AK/QR/-X	TRANSISTOR		
Q4001 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q4003	2SD601A/QRS/-X	TRANSISTOR		
Q4003 or	2SC2412K/QRS/-X	TRANSISTOR		
Q4003 or	2SC3928A/QRS/-X	TRANSISTOR		
Q4006	2SC2412K/QRS/-X	TRANSISTOR		
Q4006 or	2SC3928A/QRS/-X	TRANSISTOR		
Q4101	2SD2144S/UV/-T	TRANSISTOR		
Q4101 or	2SC3576-JVC-T	TRANSISTOR		
Q6030	2SA1037AK/QR/-X	TRANSISTOR		
Q6030 or	2SB709A/QR/-X	TRANSISTOR		
Q6030 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q6031	UN2211-X	TRANSISTOR		
Q6031 or	DTC114EKA-X	TRANSISTOR		
Q7201	2SC1317/RS/-T	TRANSISTOR		M10SAA
Q7301	2SD601A/QRS/-X	TRANSISTOR		
Q7301 or	2SC2412K/QRS/-X	TRANSISTOR		
Q7301 or	2SC3928A/QRS/-X	TRANSISTOR		
Q7302	2SD601A/QRS/-X	TRANSISTOR		
Q7302 or	2SC2412K/QRS/-X	TRANSISTOR		
Q7302 or	2SC3928A/QRS/-X	TRANSISTOR		
Q7310	2SB709A/QR/-X	TRANSISTOR		
Q7310 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7310 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q7311	2SB709A/QR/-X	TRANSISTOR		
Q7311 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7311 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q7312	UN221E-X	TRANSTSTOR		
Q7312 or	DTC144WKA-X	DIGI TRANSISTOR		
Q7312 or	RT1N44HC-X	DIGI TRANSISTOR		
Q7313	UN221E-X	TRANSTSTOR		
Q7313 or	DTC144WKA-X	DIGI TRANSISTOR		
Q7313 or	RT1N44HC-X	DIGI TRANSISTOR		
Q7314	UN221E-X	TRANSTSTOR		
Q7314 or	DTC144WKA-X	DIGI TRANSISTOR		
Q7314 or	RT1N44HC-X	DIGI TRANSISTOR		
Q7315	DTC114TKA-X	TRANSISTOR		
Q7315 or	RT1N140C-X	DIGI TRANSISTOR		
Q7315 or	UN2215-X	TRANSISTOR		
Q7316	2SB709A/QR/-X	TRANSISTOR		
Q7316 or	2SA1037AK/QR/-X	TRANSISTOR		
Q7316 or	2SA1530A/QR/-X	SI TRANSISTOR		
Q7317	2SB709A/QR/-X	TRANSISTOR		
Q7317 or	2SA1037AK/QR/-X	TRANSISTOR		

*This model goes to jig RCU mode after replacing the EEPROM and does not accept some RCU command.
Therefore please set to the user RCU mode after replacing the EEPROM.
The method of setting to the user RCU mode is written on the service manual.

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q7317	or 2SA1530A/QR/-X	SI TRANSISTOR		
Q8201	UN221E-X	TRANSTSTOR		
Q8201	or DTC144WKA-X	DIGI TRANSISTOR		
Q8201	or RT1N44HC-X	DIGI TRANSISTOR		
Q8202	UN211E-X	DIGI TRANSISTOR		
Q8202	or DTA144WKA-X	TRANSISTOR		
Q8202	or RT1P44HC-X	DIGI TRANSISTOR		
Q8203	2SC2412K/QRS/-X	TRANSISTOR		
Q8203	or 2SD601A/QRS/-X	TRANSISTOR		
Q8203	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8205	2SC2412K/QRS/-X	TRANSISTOR		
Q8205	or 2SD601A/QRS/-X	TRANSISTOR		
Q8205	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8301	2SC2412K/QRS/-X	TRANSISTOR		
Q8301	or 2SD601A/QRS/-X	TRANSISTOR		
Q8301	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8302	2SC2412K/QRS/-X	TRANSISTOR		
Q8302	or 2SD601A/QRS/-X	TRANSISTOR		
Q8302	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8303	2SC2412K/QRS/-X	TRANSISTOR		
Q8303	or 2SD601A/QRS/-X	TRANSISTOR		
Q8303	or 2SC3928A/QRS/-X	TRANSISTOR		
Q8304	2SC2412K/QRS/-X	TRANSISTOR		
Q8304	or 2SD601A/QRS/-X	TRANSISTOR		
Q8304	or 2SC3928A/QRS/-X	TRANSISTOR		
D3002	1SS133-T2	DIODE		
D3002	or 1SS270A-T2	SI DIODE		
D3003	RD39ES/B3/-T2	Z DIODE		
D3003	or MTZJ39C-T2	Z DIODE		
D3004	10EDB20-T2	SI DIODE		
D3004	or 1A3G-T2	SI DIODE		
D3005	10EDB20-T2	SI DIODE		
D3005	or 1A3G-T2	SI DIODE		
D3007	1SS355-X	SI DIODE		M10SAA
D3007	or MA111-X	SI DIODE		M10SAA
D3008	1SS355-X	SI DIODE		
D3008	or MA111-X	SI DIODE		
D4001	DA204U-X	SI DIODE		
D4002	DA204U-X	SI DIODE		
D6002	HZ30-2L-T2	Z DIODE		
D6002	or HZ30-2LTD	Z DIODE		
D6701	1SS133-T2	DIODE		
D6701	or 1SS270A-T2	SI DIODE		
D7304	1SS133-T2	DIODE		
D8001	1SS355-X	SI DIODE		
D8001	or MA111-X	SI DIODE		
D8202	1SS355-X	SI DIODE		
C3007	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3010	QEZ0244-229	EDL CAPACITOR	0.022F 5.5V Z	
C3014	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3022	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3024	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C3025	QAT3725-300Z	TRIM CAPACITOR	30pF TIMER CLOCK	
C3027	QERF1CM-106Z	E CAPACITOR	10uF 16V M	
C3030	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3032	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3033	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3036	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3037	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C3038	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C3039	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C3042	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C3050	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3051	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3054	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4001	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4003	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4005	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4006	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4008	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4010	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4012	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C4013	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4015	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4016	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4018	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4019	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C4021	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4022	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4023	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4024	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4025	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4026	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4027	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4028	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C4029	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4030	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4033	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4034	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4035	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4036	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4037	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4039	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4040	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4041	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4043	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4045	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C4046	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4047	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4049	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C4050	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C4055	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4056	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C4065	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4067	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C4068	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4069	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C4071	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4072	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4081	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C4109	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C4110	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C4201	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4207	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C4208	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4209	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C4210	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C4211	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C6006	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C6007	QEKJ0JM-337Z	E CAPACITOR	330uF 6.3V M	
C6014	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C6701	NCB21HK-102X	C CAPACITOR	1000pF 50V K	
C6707	NDC21HJ-470X	C CAPACITOR	47pF 50V J	
C6708	NDC21HJ-8R0X	C CAPACITOR	8pF 50V J	
C6709	NDC21HJ-8R0X	C CAPACITOR	8pF 50V J	
C6713	NCF21CZ-224X	C CAPACITOR	0.22uF 16V Z	
C6714	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C6715	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6716	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C6717	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6719	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C6720	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C6721	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C6723	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C6753	QEKJ0JM-337Z	E CAPACITOR	330uF 6.3V M	
C7202	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	M10SAA
C7203	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	M10SAA
C7301	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C7302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7303	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7304	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7305	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7306	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7307	QEKJ0JM-226Z	E CAPACITOR	22uF 6.3V M	
C7308	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7309	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7310	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C7311	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7312	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7314	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7315	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7316	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7317	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7318	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7319	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7327	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7330	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7331	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7334	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C7335	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C7336	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7337	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7338	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7339	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7340	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C7345	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7346	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C7347	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C7350	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7351	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7354	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C7355	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C7368	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C7369	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C7371	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C8001	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8002	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8005	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8007	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C8008	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8009	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8010	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8011	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8012	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
C8014	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C8021	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8022	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8023	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8024	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8025	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8026	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8027	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8028	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8202	QETJ0JM-477Z	E CAPACITOR	470uF 6.3V M	
C8203	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8204	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8205	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8206	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8207	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8208	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C8209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8210	QETJ1CM-227Z	E CAPACITOR	220uF 16V M	
C8211	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8212	QETJ1CM-227Z	E CAPACITOR	220uF 16V M	
C8215	QETJ1EM-476Z	E CAPACITOR	47uF 25V M	
C8217	QETJ1EM-476Z	E CAPACITOR	47uF 25V M	
C8220	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C8301	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C8302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8303	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8304	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8305	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8306	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8307	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8308	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8311	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C8312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8313	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8314	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8315	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8316	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8317	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8318	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C8321	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C8322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8323	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C8324	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8401	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C8402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8501	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C8502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8503	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8504	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C8505	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C8506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R3011	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3012	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3016	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3017	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J	
R3018	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	
R3022	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3028	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3029	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3038	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3039	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3040	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3041	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R3044	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	M10SAA
R3046	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3047	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3048	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3049	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3050	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3051	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R3052	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R3053	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R3054	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R3055	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3060	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3061	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3062	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R3063	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3066	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3069	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R3071	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R3072	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3073	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3075	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3076	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3079	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3088	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3089	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3090	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3094	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3095	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3096	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3097	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3213	NRSA63J-474X	MG RESISTOR	470kΩ1/16W J	
R3214	NRSA63J-334X	MG RESISTOR	330kΩ1/16W J	
R3218	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3220	NRSA63J-104X	MG RESISTOR	100kΩ1/16W J	
R3223	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3224	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3225	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R3226	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R3229	NRSA63J-105X	MG RESISTOR	1MΩ1/16W J	
R3230	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3231	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R3233	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	M10SAA
R3234	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R3235	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R3236	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R3237	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	M10SAA
R3239	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R3240	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R3242	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R3248	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3249	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
R3251	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	

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

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8249	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R8250	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R8252	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	
R8301	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R8302	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R8303	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R8304	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R8305	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	
R8306	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R8307	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R8308	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	
R8309	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R8310	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R8311	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	
R8312	NRSA63J-471X	MG RESISTOR	470Ω1/16W J	
R8313	NRSA63J-273X	MG RESISTOR	27kΩ1/16W J	
R8314	NRSA63J-682X	MG RESISTOR	6.8kΩ1/16W J	
R8315	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R8316	NRSA63J-470X	MG RESISTOR	47Ω1/16W J	
R8321	NRSA63J-221X	MG RESISTOR	220Ω1/16W J	
R8322	NRSA63J-221X	MG RESISTOR	220Ω1/16W J	
R8323	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R8324	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R8325	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R8326	NRSA63J-332X	MG RESISTOR	3.3kΩ1/16W J	
R8501	NRSA63J-4R7X	MG RESISTOR	4.7Ω1/16W J	
R8502	NRSA63J-561X	MG RESISTOR	560Ω1/16W J	
R8503	NRSA63J-561X	MG RESISTOR	560Ω1/16W J	
R8504	NRSA63J-820X	MG RESISTOR	82Ω1/16W J	
R8505	NRSA63J-100X	MG RESISTOR	10Ω1/16W J	
R8506	NRSA63J-100X	MG RESISTOR	10Ω1/16W J	
R8507	NRSA63J-561X	MG RESISTOR	560Ω1/16W J	
L3001	QQL231J-R22Y	COIL	0.40Ω0.22uH J	
L4001	QQL29BJ-100Z	P COIL	0.40Ω10uH J	
L4002	QQL29BJ-100Z	P COIL	0.40Ω10uH J	
L4004	QQL071J-330Y	COIL	33uH J	
L4006	QQL29BJ-100Z	P COIL	0.40Ω10uH J	
L4007	QQL071J-8R2Y	COIL	8.2uH J	
L4201	QQL29BJ-100Z	P COIL	0.40Ω10uH J	
L6001	QQL29BK-1R0Z	P COIL	0.14Ω1uH K	
L6002	QQL29BK-1R0Z	P COIL	0.14Ω1uH K	
L6005	QQL29BK-1R0Z	P COIL	0.14Ω1uH K	
L6701	QQL29BJ-3R3Z	P COIL	0.24Ω3.3uH J	
L7201	QQL29BJ-100Z	P COIL	0.40Ω10uH J	M10SAA
L7304	QQL29BJ-100Z	P COIL	0.40Ω10uH J	
L7325	QQL071J-6R8Y	COIL	1.20Ω6.8uH J	
L8501	QQL071J-1R0Y	COIL	0.46Ω1uH J	
B3962	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B3966	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B3971	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B4001	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B4002	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7301	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7304	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7305	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
B7306	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN3001	QGF1207C1-18	CONNECTOR	FFC/FPC (1-18)	
CN3002	QGF1207C1-09	CONNECTOR	FFC/FPC (1-9)	
CN3901	QGF1207C1-06	CONNECTOR	FFC/FPC (1-6)	
CN4001	QGF1207C1-11	CONNECTOR	FFC/FPC (1-11)	
CN4101	QGB2027M5-28S	CONNECTOR	B-B (1-28)	
CN4102	QGB2027M5-28S	CONNECTOR	B-B (1-28)	
CN5101	QGF1207C1-19	CONNECTOR	FFC/FPC (1-19)	
CN5102	QGB1231M1-09	CONNECTOR	B-B (1-9)	
CN7301	QGF1207C1-07	CONNECTOR	FFC/FPC (1-7)	
GN2	QNZ0136-001Z	EARTH PLATE		
GN3	QNZ0136-001Z	EARTH PLATE		
GN5	QNZ0136-001Z	EARTH PLATE		
J4109	QNS0089-001	3.5 JACK	COMPU/SAT	M10SAA
J7301	QNZ0516-001	RGB CONNECTOR	L-1	
J7302	QNZ0516-001	RGB CONNECTOR	L-2	
J7309	QNN0635-002	PIN JACK	COMPONENT	
J8501	GP1FP513TKBF	OPT TRANSMITTER	OPT/COAX	
K6701	NQR0200-003X	FERRITE BEADS		
K6702	NQR0200-003X	FERRITE BEADS		
K6703	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K6704	NRSA02J-0R0X	MG RESISTOR	0Ω1/10W J	
K6705	NQR0200-003X	FERRITE BEADS		
K6706	NQR0200-003X	FERRITE BEADS		
K6708	NQR0200-003X	FERRITE BEADS		
K8001	NQR0339-001X	FERRITE BEADS		
K8002	NQR0339-001X	FERRITE BEADS		
K8201	NQR0339-001X	FERRITE BEADS		
K8401	NQR0339-001X	FERRITE BEADS		
K8501	NQR0227-004X	FERRITE BEADS		
ST1	PU59391	STYLE PIN		
TU6001	QAU0323-001	TUNER		
W1	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W2	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W3	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W4	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W5	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W6	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W8	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W9	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W10	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W11	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W12	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W13	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W14	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W15	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W16	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W17	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W18	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W19	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W20	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W21	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W22	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W23	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W24	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W25	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W26	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W27	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W28	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W29	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W30	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W31	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W32	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W33	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W34	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W35	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W36	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W37	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W38	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W39	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W40	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W41	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W42	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W43	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W44	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W45	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W46	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W47	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W48	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W49	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W50	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W51	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W52	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W53	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W54	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W55	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W56	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W57	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
X3001	QAX0445-001	CRYSTAL	32.768kHz	
X3002	QAX0527-001	CRYSTAL	10.000000MHz	
X4001	QAX0576-001	CRYSTAL	4.433619MHz	
X6701	QAX0773-001Z	CRYSTAL	18.432000MHz	

Operation board

Block No. [2][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-10B3	OPERATION BOARD ASSY		M10SAA
PW1	LPA10239-11B3	OPERATION BOARD ASSY		M10SAG,M10SAX
D7112	1SS133-T2	DIODE		
D7112 or	1SS270A-T2	SI DIODE		
D7113	1SS133-T2	DIODE		
D7113 or	1SS270A-T2	SI DIODE		
D7114	1SS133-T2	DIODE		
D7114 or	1SS270A-T2	SI DIODE		
D7115	1SS133-T2	DIODE		
D7115 or	1SS270A-T2	SI DIODE		
C7150	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
C7151	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7153	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R7151	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R7152	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R7153	NRSA63J-750X	MG RESISTOR	75Ω1/16W J	
R7154	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R7155	NRSA63J-101X	MG RESISTOR	100Ω1/16W J	
R7156	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
CN7101	QGF1208F1-09	CONNECTOR	FFC/FPC (1-9)	
CN7102	QGF1208F1-11	CONNECTOR	FFC/FPC (1-11)	
J7001	QND0084-001	S JACK	FRONT S-VIDEO INPUT	
J7002	QNN0364-002	PIN JACK	FRONT A/V INPUT	
OT1	LP30002-0G7A	SPACER		
S7113	QSW0381-001Z	TACT SWITCH	REC	
S7114	QSW0381-001Z	TACT SWITCH	REC MODE	
S7115	QSW0381-001Z	TACT SWITCH	PAUSE	
S7132	QSW0381-001Z	TACT SWITCH	OPEN/CLOSE	
S7133	QSW0381-001Z	TACT SWITCH	REC LINK	
S7134	QSW0381-001Z	TACT SWITCH	STOP	
S7135	QSW0381-001Z	TACT SWITCH	PLAY	
W7151	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7152	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7153	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	
W7154	NRSA63J-0R0X	MG RESISTOR	0Ω1/16W J	

Swich display board

Block No. [2][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LPA10239-01A2	SWITCH DISPLAY BOARD ASSY		
IC7001	UPD16315GB-3BS	IC		
IC7001 or	PT6315	IC		
IC7002	GP1UM281XK	IR DETECT UNIT 38kHz		
IC7002 or	PNA4652M00XB	IR DETECT UNIT 38kHz		
Q7001	2SC1740S/QRS/-T	TRANSISTOR		
Q7001 or	2SC3199/YG/-T	TRANSISTOR		
Q7001 or	KTC3199/YG/-T	TRANSISTOR		
D7001	1SS133-T2	DIODE		
D7001 or	1SS270A-T2	SI DIODE		
D7021	RD9.1ES/B2/-T2	Z DIODE		
D7021 or	MTZJ9.1B-T2	Z DIODE		
D7042	1SS133-T2	DIODE		
D7042 or	1SS270A-T2	SI DIODE		
D7043	SDPB3DC0/Z1/	LED	BLUE	
C7001	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7002	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7003	QEKJ1HM-106Z	E CAPACITOR	10uF 50V M	
C7006	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C7007	QCFB1HZ-104Y	C CAPACITOR	0.1uF 50V Z	
C7008	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C7010	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7011	QCFB1HZ-473Y	C CAPACITOR	0.047uF 50V Z	
C7056	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
R7001	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R7002	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R7003	NRSA63J-823X	MG RESISTOR	82kΩ1/16W J	
R7005	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R7006	NRSA63J-472X	MG RESISTOR	4.7kΩ1/16W J	
R7007	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R7009	QRE141J-103Y	C RESISTOR	10kΩ1/4W J	
R7010	NRSA63J-103X	MG RESISTOR	10kΩ1/16W J	
R7013	NRSA63J-333X	MG RESISTOR	33kΩ1/16W J	
R7014	NRSA63J-333X	MG RESISTOR	33kΩ1/16W J	
R7015	NRSA63J-102X	MG RESISTOR	1kΩ1/16W J	
R7044	QRE141J-182Y	C RESISTOR	1.8kΩ1/4W J	
R7045	QRE141J-470Y	C RESISTOR	47Ω1/4W J	
R7047	QRE141J-182Y	C RESISTOR	1.8kΩ1/4W J	
CN7001	QGF1207C1-18	CONNECTOR	FFC/FPC (1-18)	
DI7001	QLF0121-001	FL TUBE		
HD1	PQ34949-1-1	FL HOLDER(L)		
HD2	LP21255-001A	FL HOLDER(R)		
S7001	QSW0381-001Z	TACT SWITCH	OPERATION	

S/RCA Out board

Block No. [2][9]

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

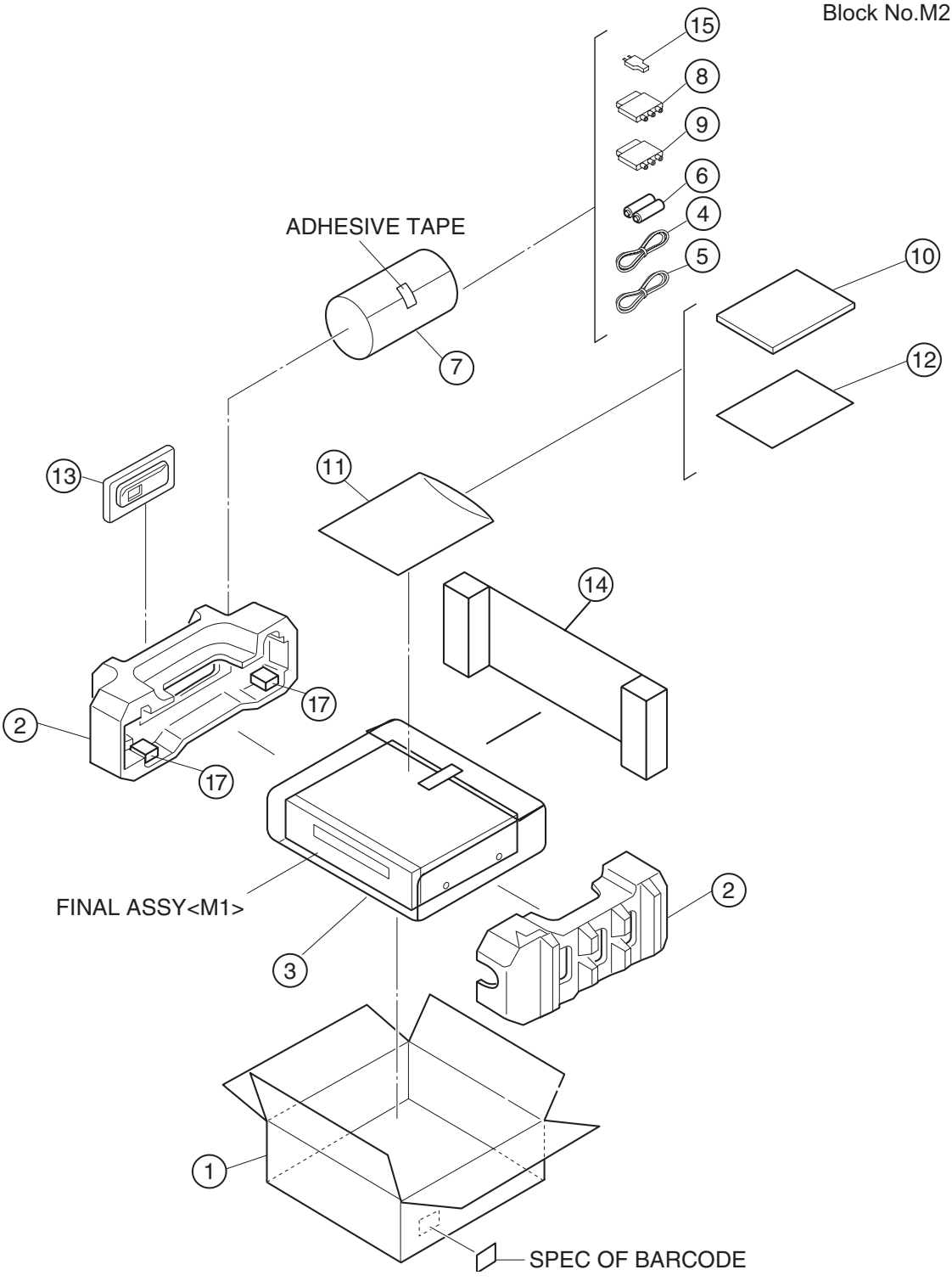
Jack board

Block No. [3][6]

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

Packing materials and accessories parts list

Block No.M2MM



Packing and accessories

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

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