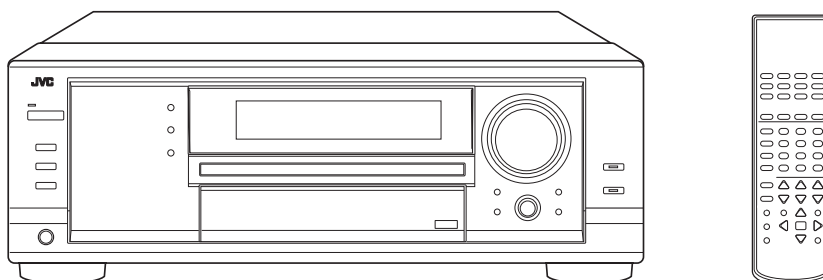


JVC

SERVICE MANUAL

AUDIO /VIDEO CONTROL RECEIVER

RX-7030VBK



DD DOLBY
DIGITAL EX
PRO LOGIC II

AV COMPU LINK

Area Suffix

J ----- U.S.A.
C ----- Canada

dts 96 24 ES
24 HCS

COMPU LINK
/// Remote ///

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SPECIFICATION

Amplifier	Output Power	At Stereo operation	Front ch	110 W per channel, min. RMS, driven into 8Ω, 20 Hz to 20 kHz, with no more than 0.08% total harmonic distortion.	
		At Surround operation	Front ch	110 W per channel, min. RMS, driven into 8Ω at 1 kHz, with no more than 0.8% total harmonic distortion.	
			Center ch	110 W, min. RMS, driven into 8Ω at 1 kHz, with no more than 0.8% total harmonic distortion.	
			Surround ch	110 W per channel, min. RMS, driven into 8Ω at 1 kHz, with no more than 0.8% total harmonic distortion.	
			Surround Back ch	110 W, min. RMS, driven into 8Ω at 1 kHz, with no more than 0.8% total harmonic distortion.	
Audio	Audio Input Sensitivity/Impedance (1 kHz)	DVD IN, VCR IN, TV SOUND/DBS IN	200 mV/47 kΩ		
		CD IN, TAPE/CDR IN	200 mV/47 kΩ		
	Audio Input (DIGITAL IN)*	Coaxial	DIGITAL 1 (DVD) : 0.5 V(p-p)/75 Ω		
		Optical	DIGITAL 2 (CD), DIGITAL 3 (TV), DIGITAL 4 (CDR) : -21 dBm to -15 dBm (660 nm ±30 nm)		
	Audio Output Level	SUBWOOFER OUT : 1V			
	Recording Output Level	VCR OUT, TAPE/CDR OUT : 200 mV			
	Digital output	Optical : DIGITAL OUT			
	Signal wave length	660 nm			
	Output level	-21 dBm to -15 dBm			
	Signal-to-Noise Ratio ('66 IHF/'78 IHF) DVD IN, VCR IN, TV SOUND/DBS IN	87 dB/80 dB			
	CD IN TAPE/CDR IN	87 dB/80 dB			
	Frequency Response (8Ω at 1 kHz, with no more than 0.8% total harmonic distortion.) DVD IN, VCR IN, TV SOUND/DBS IN	20 Hz to 100 kHz (+1 dB, -3 dB)			
	CD IN, TAPE/CDR IN	20 Hz to 100 kHz (+1 dB, -3 dB)			
Equalization (5 bands)	63 Hz, 250 Hz, 1 kHz, 4 kHz, 16 kHz (±8 dB)				
Bass boost	+6 dB ±1.0 dB at 100 Hz				
Video	Video Input Sensitivity/Impedance	Composite video	DVD IN, VCR IN, TV SOUND/DBS IN	1 V(p-p)/75Ω	
	S-video	DVD IN, VCR IN, TV SOUND/DBS IN	(Y: luminance)	1 V(p-p)/75Ω	
			(C: chrominance, burst)	0.286 V(p-p)/75Ω	
	Component video	DVD IN, DBS IN	(Y: luminance)	1 V(p-p)/75Ω	
			(PB/PR):	0.7 V(p-p)/75Ω	
	Video Output Level	Composite video	VCR OUT, MONITOR OUT		1 V(p-p)/75Ω
	S-video	VCR OUT, MONITOR OUT	(Y: luminance)	1 V(p-p)/75Ω	
			(C: chrominance, burst)	0.286 V(p-p)/75Ω	
Component video	MONITOR OUT	(Y: luminance)	1 V(p-p)/75Ω		
		(PB/PR)	0.7 V(p-p)/75Ω		
Synchronization	Negative				
Signal-to-Noise Ratio	45 dB				
FM tuner (IHF)	Tuning Range	87.5 MHz to 108.0 MHz			
	Usable Sensitivity	Monaural	12.8 dBf (1.2 μV/75Ω)		
		Stereo	16.0 dBf (1.7 μV/75Ω)		
	50 dB Quieting Sensitivity	Stereo	37.5 dBf (20.5 μV/75Ω)		
Stereo Separation at REC OUT	35 dB at 1 kHz				
AM tuner	Tuning Range	530 kHz to 1 710 kHz			
General	Power Requirements	AC 120V ~ 60 Hz			
	Power Consumption	320 W/440 VA (at operation) 2 W (in standby mode)			
	Dimensions (W x H x D)	435 mm x 157 mm x 425 mm (17 3/16 in. x 6 3/16 in. x 16 3/4 in.)			
	Mass	12.1 kg (26.7 lbs)			

* Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency - 32 kHz, 44.1 kHz, 48 kHz).
Designs & specifications are subject to change without notice

SECTION 1

Precautions

1.1 Safety Precautions

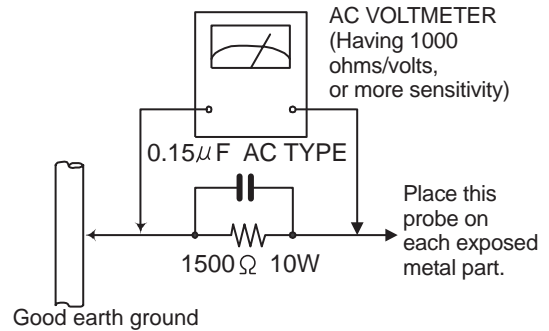
- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in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

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

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

voltmeter.

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



1.2 Warning

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

1.3 Caution

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

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

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (\blacksquare), diode (\blacksquare) and ICP (\bullet) or identified by the " Δ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation does not Except the J and C version)

SECTION 2

Disassembly method

2.1 Removing the top cover (See Fig.1)

- (1) From the right and left sides of the main body, remove the four screws **A** attaching the top cover.
- (2) From the back side of the main body, remove the three screws **B** attaching the top cover.
- (3) Remove the top cover in the direction of the arrow 2 while extending the lower sections of the top cover in the direction of the arrow 1.

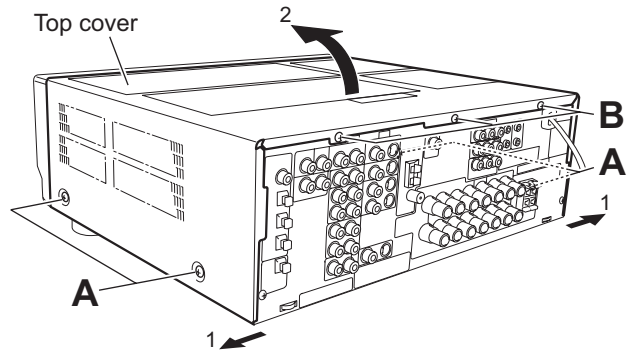


Fig.1

2.2 Removing the front panel assembly (See Figs.2 and 3)

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

 - (1) Disconnect the card wire from the connector CN400 on the micon board. (See Fig.2.)
 - (2) Disconnect the card wire from the connector CN402 on the power supply board. (See Fig.2.)
 - (3) Remove the tie band and wire protection board fixing the card wire. (See Fig.2.)
 - (4) Remove the three screws **C** attaching the front panel assembly. (See Fig.2.)
 - (5) From the bottom side of the main body, remove the four screws **D** attaching the front panel assembly. (See Fig.3.)
 - (6) Remove the front panel assembly in the direction of the arrow. (See Fig.3.)

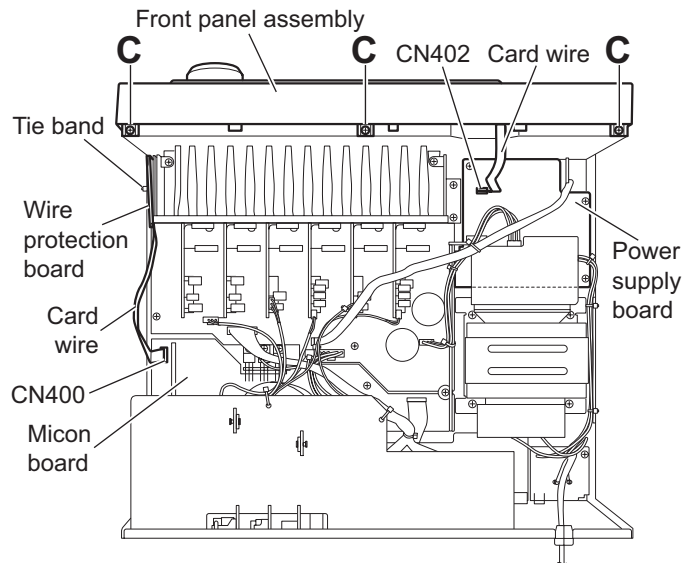


Fig.2

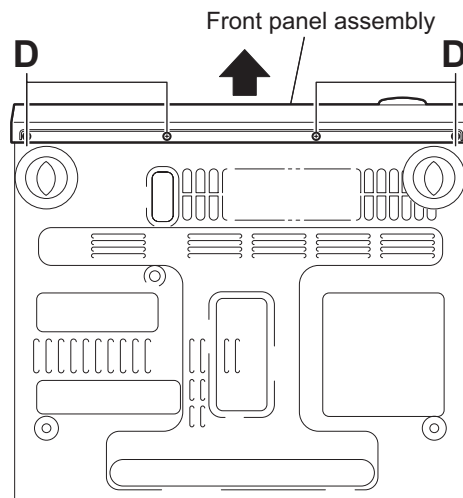


Fig.3

2.3 Removing the rear panel (See Fig.4)

- Prior to performing the following procedures, remove the top cover.
- (1) From the back side of the main body, remove the strain relief from the rear panel in the direction of the arrow.
- (2) Remove the twenty-nine screws E, two screws F and three screws G attaching the rear panel.

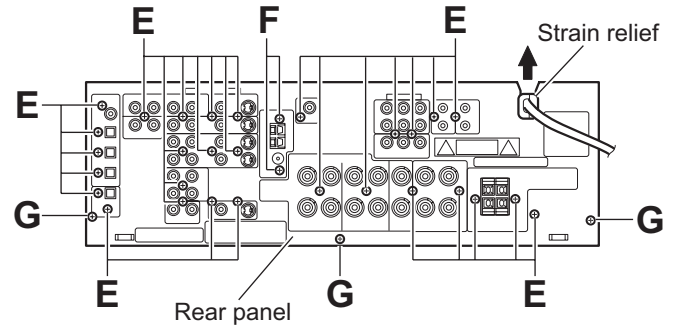


Fig.4

2.4 Removing the I/O board (See Fig.5)

- Prior to performing the following procedures, remove the top cover and rear panel.
- (1) Remove the two plastic rivets in the direction of the arrow 1 from the top side of the main body, remove the stopper boards in the direction of the arrow 2.
- (2) Remove the tie bands bundling the wires.
- (3) Disconnect the wire from the connector CN722 on the center board.
- (4) Disconnect the wire from the connector CN714 on the front board(L).
- (5) Disconnect the wire from the connector CN717 on the surround back board.
- (6) Disconnect the wire from the connector CN719 on the front board(R).
- (7) Disconnect the wire from the connector CN723 on the main board.
- (8) Disconnect the connectors (CN205,CN381,CN501) on the I/O board in an upward direction.

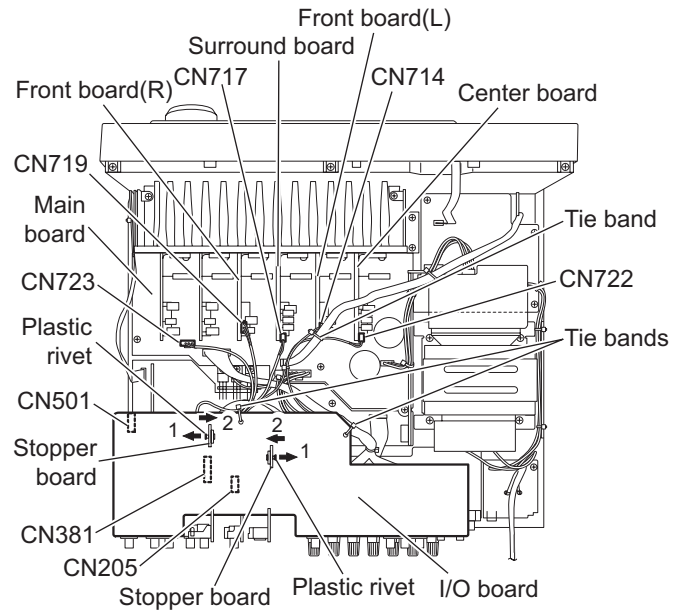


Fig.5

2.5 Removing the tuner, DSP board, audio board, video board and S-video board (See Fig.6)

- Prior to performing the following procedures, remove the top cover, rear panel and I/O board.
 - (1) Disconnect the card wire from the connector CN314 on the audio board from the top side of the main body, take out the tuner.
 - (2) Disconnect the DSP board from the connector CN601 on the micon board.
 - (3) Disconnect the audio board from the connectors (CN101, CN303) on the micon board.
 - (4) Disconnect the video board from the connector CN201 on the micon board.
 - (5) Disconnect the S-video board from the connector CN241 on the micon board.

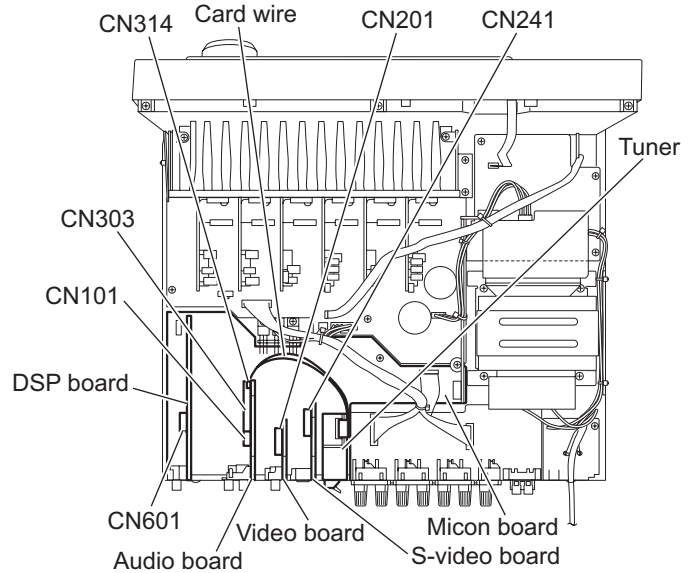


Fig.6

2.6 Removing the micon board (See Fig.7)

- Prior to performing the following procedures, remove the top cover, rear panel, I/O board, tuner, DSP board, audio board, video board and S-video board.
 - (1) From the top side of the main body, disconnect the card wire from the connector CN400 on the micon board.
 - (2) Disconnect the relay board from the connectors CN81 on the micon board.
 - (3) Disconnect the parallel wire from the connectors CN931 and CN932 on the micon board.
 - (4) Disconnect the parallel wire from the connector CN831 on the main board.
 - (5) Remove the three screws **H** attaching the micon board.
 - (6) Remove the three screws **J** attaching the transistors (Q921, Q931, Q941) to the chassis base.
 - (7) Loosen the screw **K** attaching the micon board.

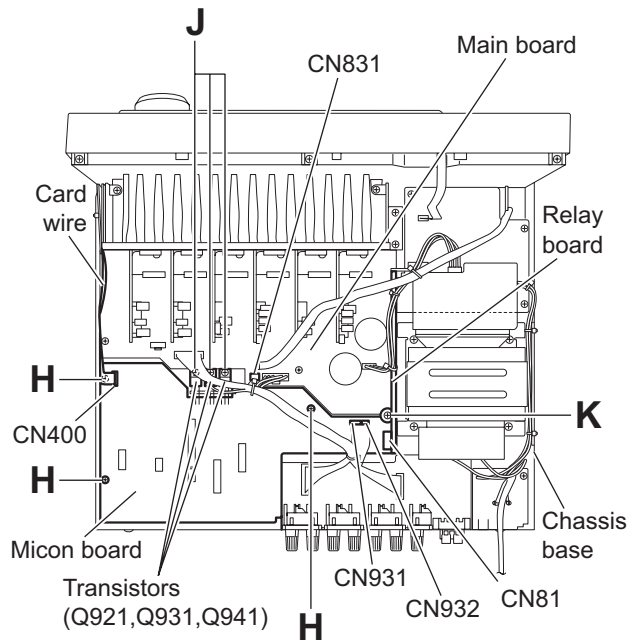


Fig.7

2.7 Removing the speaker board (See Fig.8)

- Prior to performing the following procedures, remove the top cover and rear panel.
 - (1) From the top side of the main body, remove the tie band bundling the wires.
 - (2) Disconnect the wires from the connectors (CN813,CN814) on the main board.
 - (3) Disconnect the parallel wire from the connectors (CN931,CN932) on the micon board.
 - (4) Take out the speaker board in the direction of the arrow.

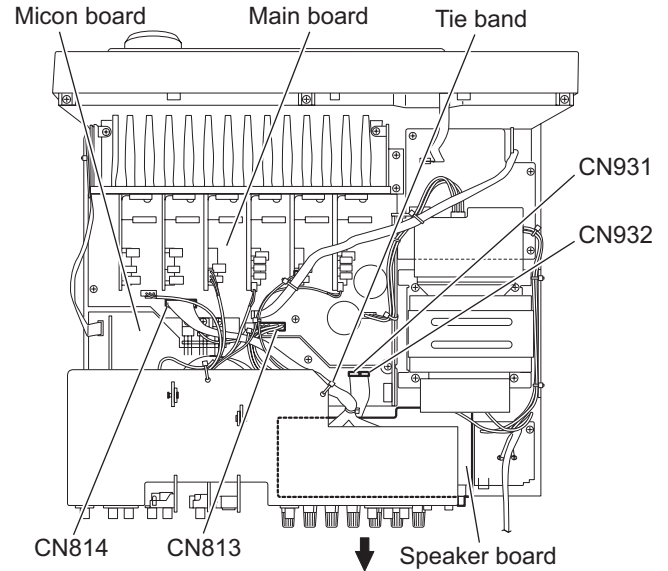


Fig.8

2.8 Removing the main board (See Fig.9)

- Prior to performing the following procedures, remove the top cover.
 - (1) From the top side of the main body, remove the tie bands bundling the wires.
 - (2) Remove the tie band and wire protection board bundling the card wire.
 - (3) Disconnect the wire from the connector CN811 on the power transformer board 1.
 - (4) Disconnect the relay board from the connectors (CN71, CN81) on the power supply board and micon board.
 - (5) Disconnect the parallel wires from the connectors (CN831,CN881) on the main board.
 - (6) Disconnect the wires from the connectors (CN723,CN813,CN814) on the main board.
 - (7) Disconnect the wire from the connector CN722 on the center board.
 - (8) Disconnect the wire from the connector CN714 on the front board(L).
 - (9) Disconnect the wire from the connector CN717 on the surround back board.
 - (10) Disconnect the wire from the connector CN719 on the front board(R).
 - (11) Remove the screw **K**, five screws **L**, screw **M** and two screws **N** attaching the main board.
 - (12) Take out the main board.

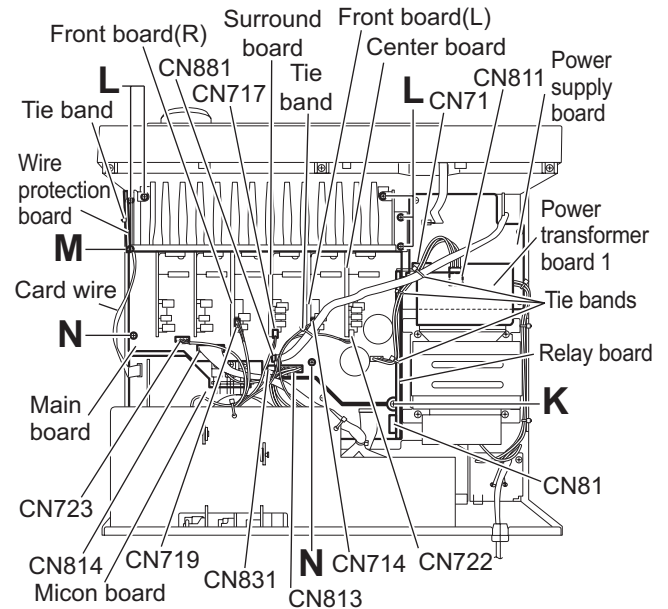


Fig.9

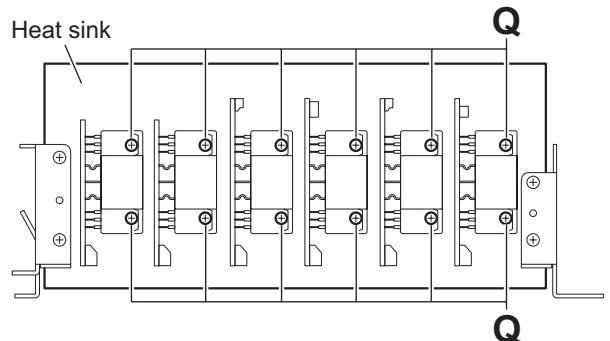


Fig.11

2.9 Removing the heat sink (See Figs.10 and 11)

- Prior to performing the following procedures, remove the top cover and main board.
 - (1) From the reverse side of the main board, remove the two screws **P** attaching the main board to the heat sink. (See Fig.10.)
 - (2) Disconnect the connectors (CN701-CN706) on the main board, remove the main board. (See Fig.10.)
 - (3) Remove the twelve screws **Q** attaching the heat sink. (See Fig.11.)

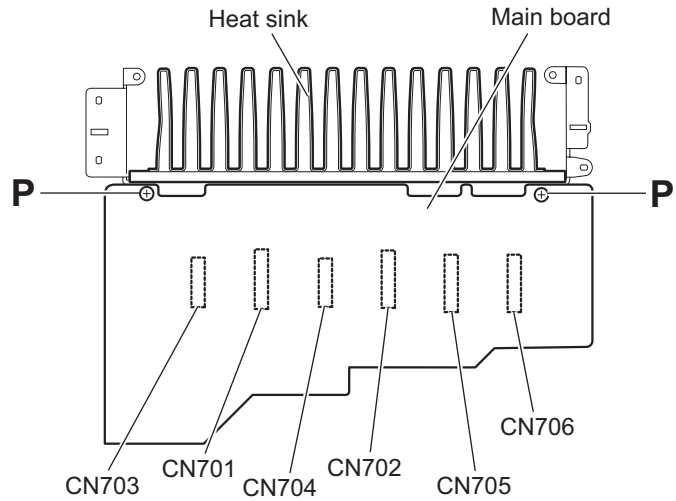


Fig.10

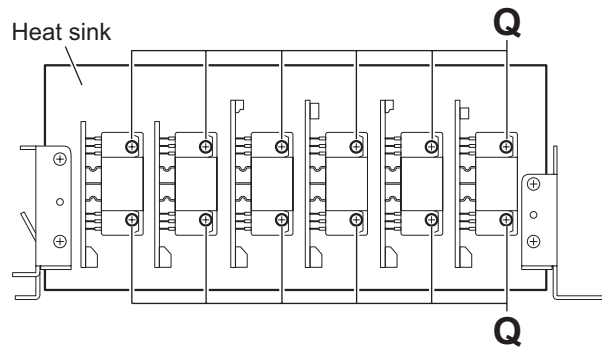


Fig.11

2.10 Removing the center board, surround back board, front amp. boards (L/R) and rear amp. boards (L/R) (See Figs.10 and 12)

- Prior to performing the following procedures, remove the top cover and main board.
 - (1) From the reverse side of the main board, remove the two screws **P** attaching the main board to the heat sink. (See Fig.10.)
 - (2) Disconnect the connectors (CN701-CN706) on the main board, remove the main board. (See Fig.10.)
 - (3) Remove the two screws **Q** attaching the center board. (See Fig.12.)
 - (4) Remove the two screws **Q** attaching the front board(L). (See Fig.12.)
 - (5) Remove the two screws **Q** attaching the surround back board. (See Fig.12.)
 - (6) Remove the two screws **Q** attaching the front board(R). (See Fig.12.)
 - (7) Remove the two screws **Q** attaching the surround board(L). (See Fig.12.)
 - (8) Remove the two screws **Q** attaching the surround board(R). (See Fig.12.)

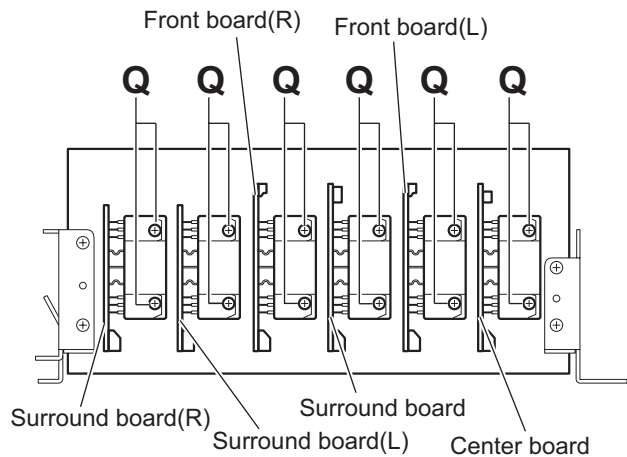


Fig.12

2.11 Removing the power transformer (See Fig.13)

- Prior to performing the following procedures, remove the top cover.
 - (1) From the top side of the main body, remove the tie band bundling the wires.
 - (2) Disconnect the wire from the connectors (CN55, CN811) on the power transformer board 1.
 - (3) Remove the solders from the soldered sections **a** on the power transformer board 2.
 - (4) Remove the four screws **R** attaching the power transformer.

2.12 Removing the power/fuse board (See Fig.13)

- Prior to performing the following procedures, remove the top cover.
 - (1) From the back and top sides of the main body, remove the screw **S** and screw **T** attaching the power/fuse board.
 - (2) Remove the solders from the soldered sections **b** attaching the power cord.
 - (3) From the reverse side of the power/fuse board, remove the solders from the soldered sections **c** attaching the wires.

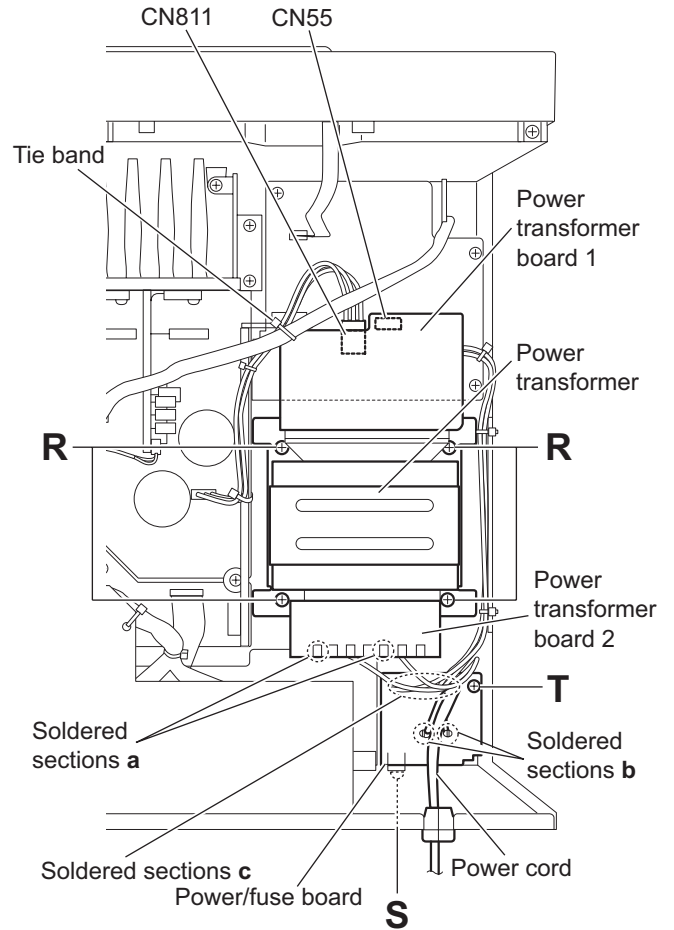


Fig.13

2.13 Removing the power supply board (See Fig.14)

- Prior to performing the following procedures, remove the top cover.
 - (1) From the top side of the main body, disconnect the parallel wires from the connector CN55 on the power transformer board 1.
 - (2) Disconnect the card wire from the connector CN402 on the power supply board.
 - (3) Disconnect the relay board from the connector CN71 on the power supply board.
 - (4) Remove the three screws **U** attaching the power supply board.
 - (5) Remove the power supply board from the hook **d** of the chassis base bracket in the direction of the arrow, take out the power supply board.
 - (6) Turn over the power supply board, remove the solders from the soldered sections **e** attaching the wires.

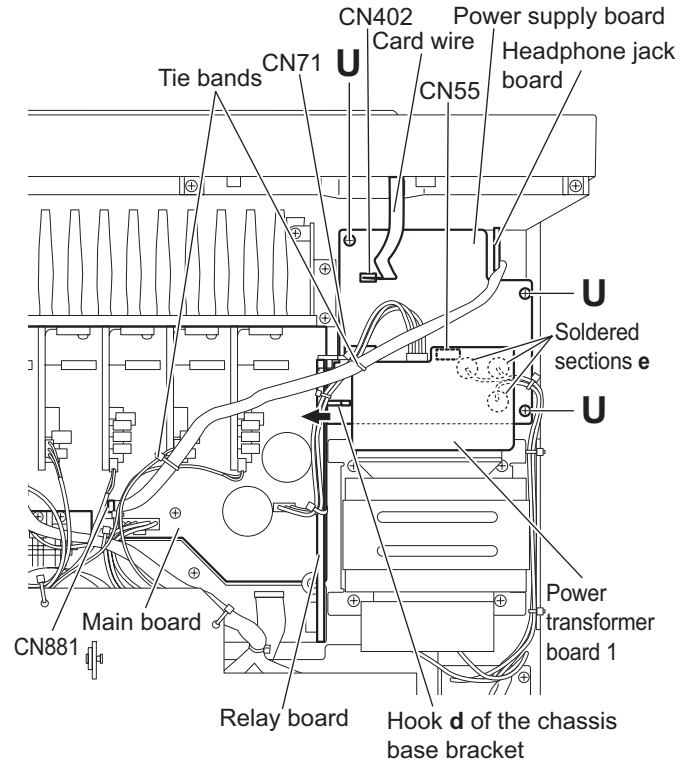


Fig.14

2.14 Removing the headphone jack board (See Figs.14 and 15)

- Prior to performing the following procedures, remove the top cover and front panel assembly.
 - (1) From the top side of the main body, remove the tie bands attaching the parallel wire. (See Fig.14.)
 - (2) Disconnect the parallel wire from the connector CN881 on the main board. (See Fig.14.)
 - (3) From the front side of the main body, remove the nut and screw **V** attaching the headphone bracket to the front bracket. (See Fig.15.)
 - (4) Remove the three screws **U** attaching the power supply board. (See Fig.14.)
 - (5) Take out the headphone jack board from the inside of the chassis base while lifting the power supply board.

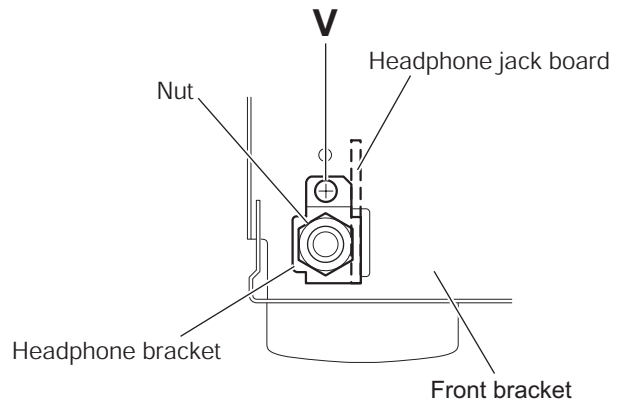


Fig.15

2.15 Removing the switch board (See Fig.16)

- Prior to performing the following procedures, remove the top cover and front panel assembly.
- (1) From the back side of the front panel assembly, remove the two screws **W** attaching the switch board.
- (2) Take out the switch board, disconnect the wire from the connector CN432 on the switch board.

2.16 Removing the power switch board (See Fig.16)

- Prior to performing the following procedures, remove the top cover and front panel assembly.
- (1) From the back side of the front panel assembly, remove the two screws **X** attaching the power switch board.
- (2) Take out the power switch board, disconnect the wire from the connector CN430 on the power switch board.

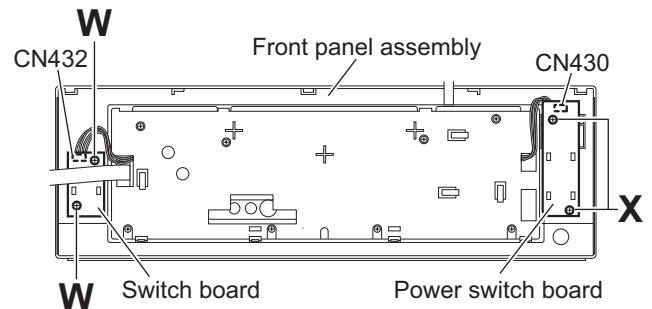


Fig.16

2.17 Removing the front key & system control board (See Figs.17 to 20)

- Prior to performing the following procedures, remove the top cover, front panel assembly, switch board and power switch board.
- (1) Pull out the volume and jog knobs from the front side of the front panel assembly, remove the nut attaching the front key & system control board. (See Fig.17.)
- (2) From the back side of the front panel assembly, remove the eight screws **Y** attaching the sub panel assembly. (See Fig.18.)
- (3) Remove the sub panel assembly while releasing the claws **f** in the direction of the arrow. (See Figs.18 and 19.)
- (4) Release the claws **g** attaching the front key & system control board in the direction of the arrow and take out the front key & system control board. (See Fig.20.)

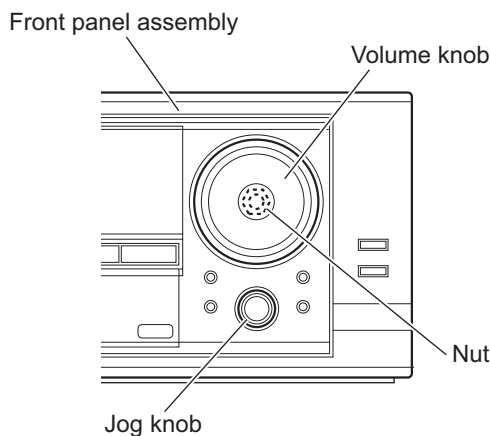


Fig.17

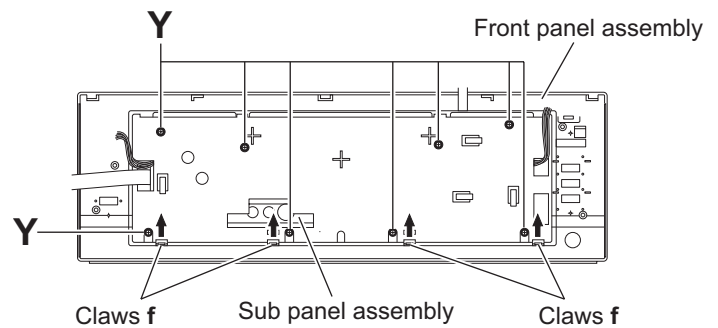


Fig.18

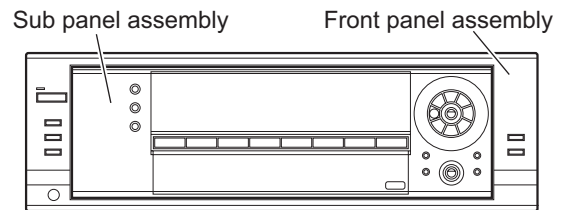


Fig.19

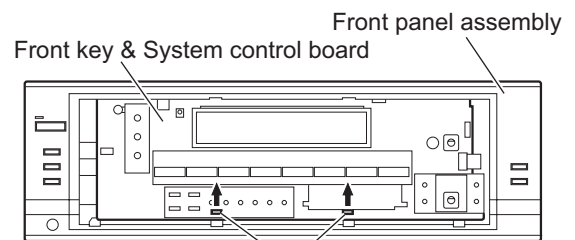


Fig.20

SECTION 3 Adjustment

3.1 Adjustment method

■ Tuner section

1. Tuner range

FM 87.5MHz to 108.0MHz

AM 530kHz to 1710kHz

■ Power amplifier section

Adjustment of idling current

Measurement location B2204-B2205 (Lch), B2213-B2214 (Rch)

Adjustment part VR787 (Lch), VR788 (Rch)

Attention:

This adjustment does not obtain a correct adjustment value immediately after the amplifier is used (state that an internal temperature has risen).

Please adjust, after you turn off amplifier and internal temperature falls.

<Adjustment method>

(1) Set the volume control to minimum during this adjustment. (No signal & No load)

(2) Set the surround mode OFF.

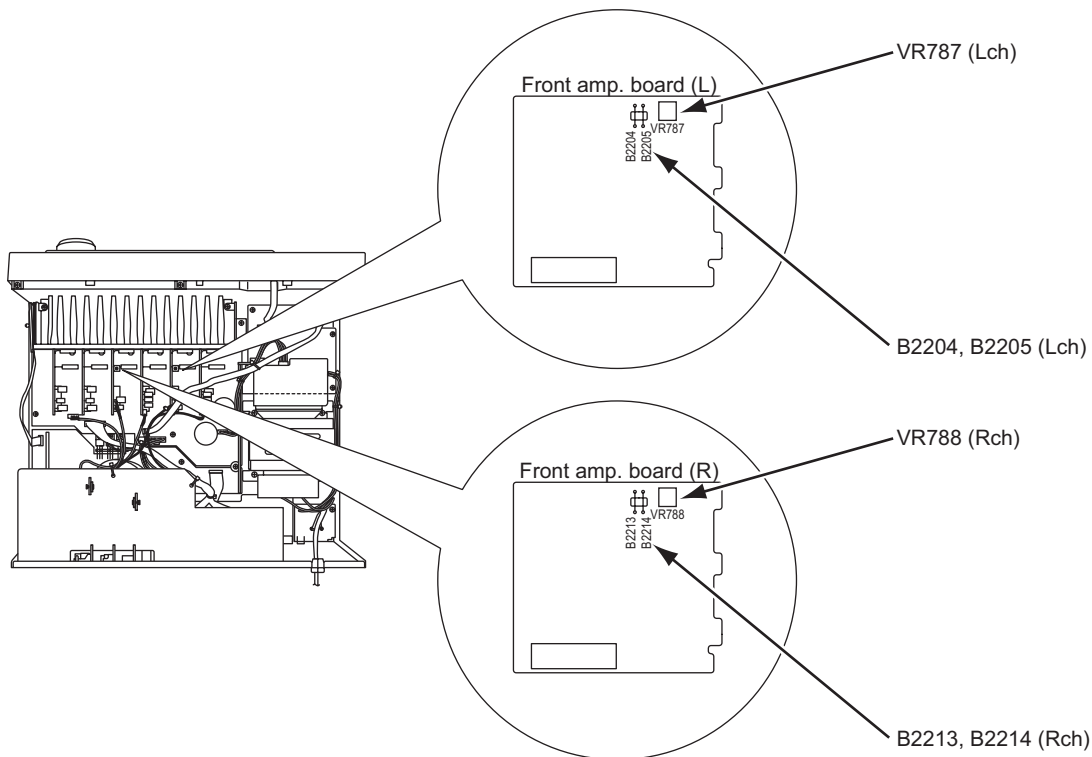
(3) Turn VR787 and VR788 fully counterclockwise to warm up before adjustment.

If the heat sink is already warm from previous use the correct adjustment can not be made.

(4) For L-ch, connect a DC voltmeter between B2204 and B2205 (Lch) and, connect it between B2213 and B2214 (Rch).

(5) 30 minutes later after power on, adjust VR787 for Lch, or VR788 for Rch so that the DC voltmeter value has 1mV to 10mV.

- It is not abnormal though the idling current might not become 0mA even if it is finished to turn variable resistance (VR787, VR788) in the direction of counterclockwise.



3.2 Self-diagnose function

This model incorporates the following self-diagnostic functions.

1. PROTECTOR

- The PROTECTOR IN port detects errors such as speaker overcurrent and DC voltage output errors (Active: L). Immediately after detection, all relays are switched off and the alarm display as shown below (blinking at intervals of 0.5 sec. ON and 0.5 sec. OFF) is displayed in the lower part of the FL matrix.
During the alarm display, all other FL and LED segments are turned off.

OVERLOAD

- The overload status can be canceled by switching the power off. When the power is switched on again, the unit is turned on in the same abnormal status as before. Lower the volume level for 10 steps for protection. (If the previous volume level was between 0 and 9, lower it to 0).
- The detection by the protector is not performed for 4 seconds after power on.

2. Supply voltage error detection

- When the power is switched on, the supply voltage at the A/D input port (pins 2 to 5 and 7) is monitored and, when an error is detected continuously for 1 second, the unit immediately enters the standby mode.
- When the power is switched on again, the unit is turned on in the same abnormal status as before.
- The supply voltage error detection is not performed for 4 seconds after power on.
- The following table shows the error detection thresholds.

	At abnormal state (Low voltage)	At normal state	At abnormal state (High voltage)
Pin 2	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 3	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 4	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 5	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 7	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF

SECTION 4

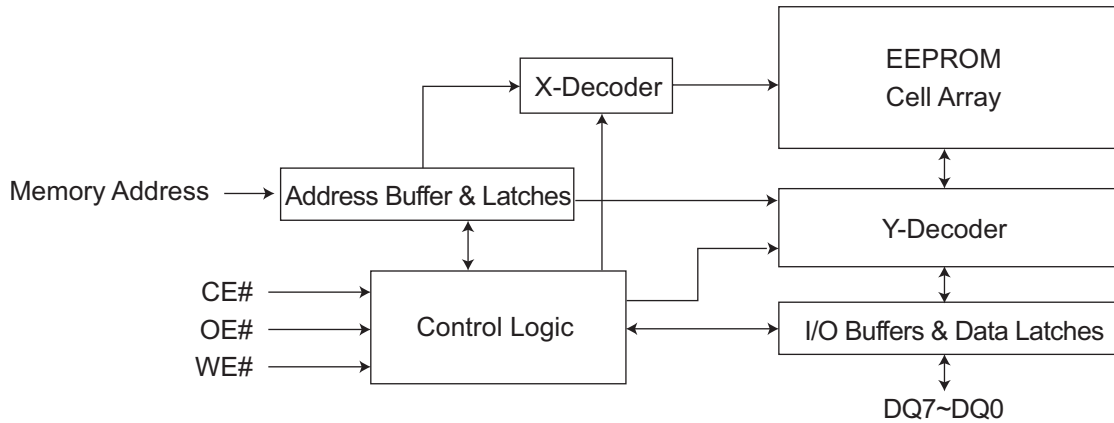
Description of major ICs

4.1 39VF0207CWHR01 (IC511) : EEPROM

- Pin layout



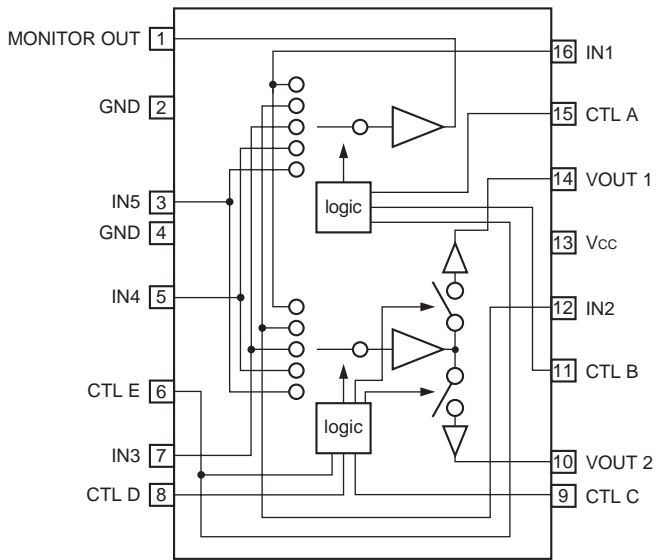
- Block diagram



- Pin function

Symbol	Pin name	Function
AMS- A0	Address Inputs	To provide memory address. During Sector-Erase AMS-A12 address lines will select the sector.
DQ7- DQ0	Data Input/Output	To output data during read cycles and receive input data during write cycles. Data is internally latched during a write cycle. The outputs are in tri-state when OE# or CE# is high.
CE#	Chip Enable	To active the device when CE# is low.
OE#	Output Enable	To gate the data output buffers.
WE#	Write Enable	To control the write operations.
VDD	Power Supply	To provide power supply voltage: 3.0-3.6V for SST39LF512/010/020/040 2.7-3.6V for SST39VF512/010/010/040
Vss	Ground	
NC	No Connection	Unconnected Pins

4.2 BA7625 (IC201,IC242) : Video selector

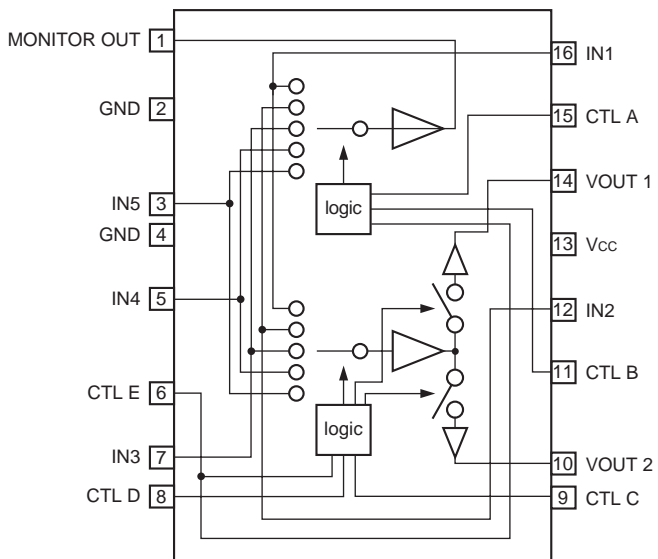


A	B	E	MONOTOR OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT1
L	L	*	--
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT2
L	L	*	IN1
H	L	*	--
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

4.3 BA7626 (IC241) : Video selector



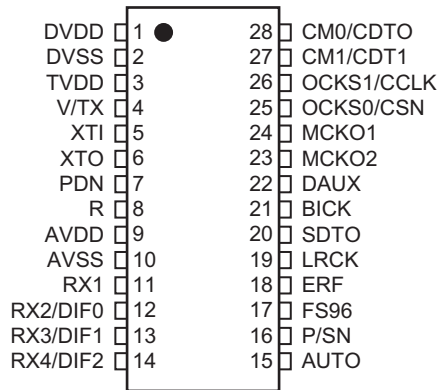
A	B	E	MONOTOR OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT1
L	L	*	--
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT2
L	L	*	IN1
H	L	*	--
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

4.4 AK4112BVF-X (IC551) : Digital audio receiver

- Pin layout



- Pin function

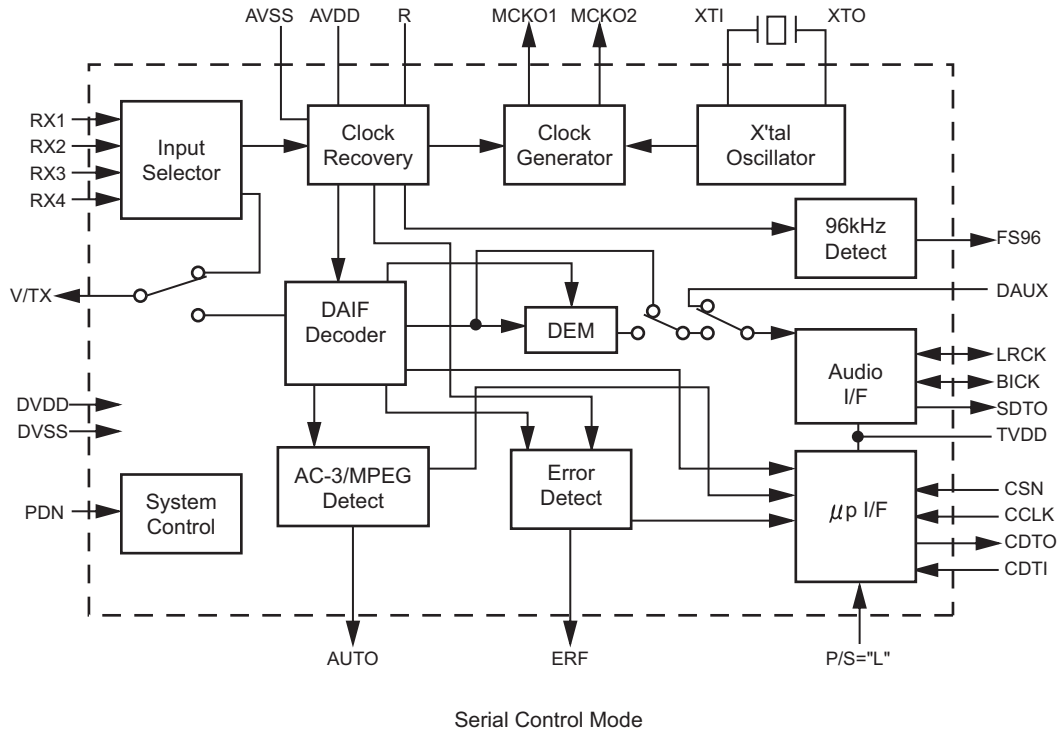
Pin No.	Symbol	I/O	Function
1	DVDD	-	Digital Power Supply Pin 3.3V
2	DVSS	-	Digital Ground Pin
3	TVDD	-	Input Buffer Power Supply Pin 3.3V or 5V
4	V	O	Validity Flag Output Pin in Parallel Mode
	TX	O	Transmit channel (through data) Output Pin in Serial Mode
5	XTI	I	X'tal Input Pin
6	XTO	O	X'tal Output Pin
7	PDN	I	Power-Down Mode Pin When "L" the AK4112B is powered-down and reset
8	R	-	External Resistor Pin 18kΩ +/-1% resistor to AVSS externally.
9	AVDD	-	Analog Power Supply Pin
10	AVSS	-	Analog Ground Pin
11	RX1	I	Receiver Channel 1 This channel is selected in Parallel Mode or default of Serial Mode.
12	RX2	I	Receiver Channel 2 in Serial Mode
12	DIF0	I	Audio Data Interface Format 0 Pin in Parallel Mode
13	RX3	I	Receiver Channel 3 in Serial Mode
13	DIF1	I	Audio Data Interface Format 1 Pin in Parallel Mode
14	RX4	I	Receiver Channel 4 in Serial Mode
14	DIF2	I	Audio Data Interface Format 2 Pin in Parallel Mode
15	AUTO	O	Non-PCM Detect Pin "L": No detect "H": Detect
16	P/S	I	Parallel/Serail Select Pin "L": Serial Mode "H": Parallel Mode

Pin No.	Symbol	I/O	Function
17	FS96	O	96kHz Sampling Detect Pin (RX Mode) "H": fs=88.2kHz or more "L": fs=54kHz or less. (X'tal Mode) "H": XFS96=1 "L": XFS96=0.
18	ERF	O	Unlock & Parity Error Output Pin "L": No Error "H": Error
19	LRCK	I/O	Output Channel Clock Pin
20	SDTO	O	Audio Serial Data Output Pin
21	BICK	I/O	Audio Serial Data Clock Pin
22	DAUX	I	Auxiliary Audio Data Input Pin
23	MCK02	O	Master Clock #2 Output Pin
24	MCK01	O	Master Clock #1 Output Pin
25	OCKS0	I	Output Clock Select 0 Pin in Parallel Mode
	CSN	I	Chip Select Pin in Serial Mode
26	OCKS1	I	Output Clock Select 1 Pin in Parallel Mode
	CCLK	I	Control Data Clock Pin in Serial Mode
27	CM1	I	Master Clock Operation Mode Pin0 in Parallel Mode
	CDTI	I	Control Data Input Pin in Serial Mode
28	CM0	I	Master Clock Operation Mode Pin1 in Parallel Mode
	CDTO	O	Control Data Output Pin in Serial Mode

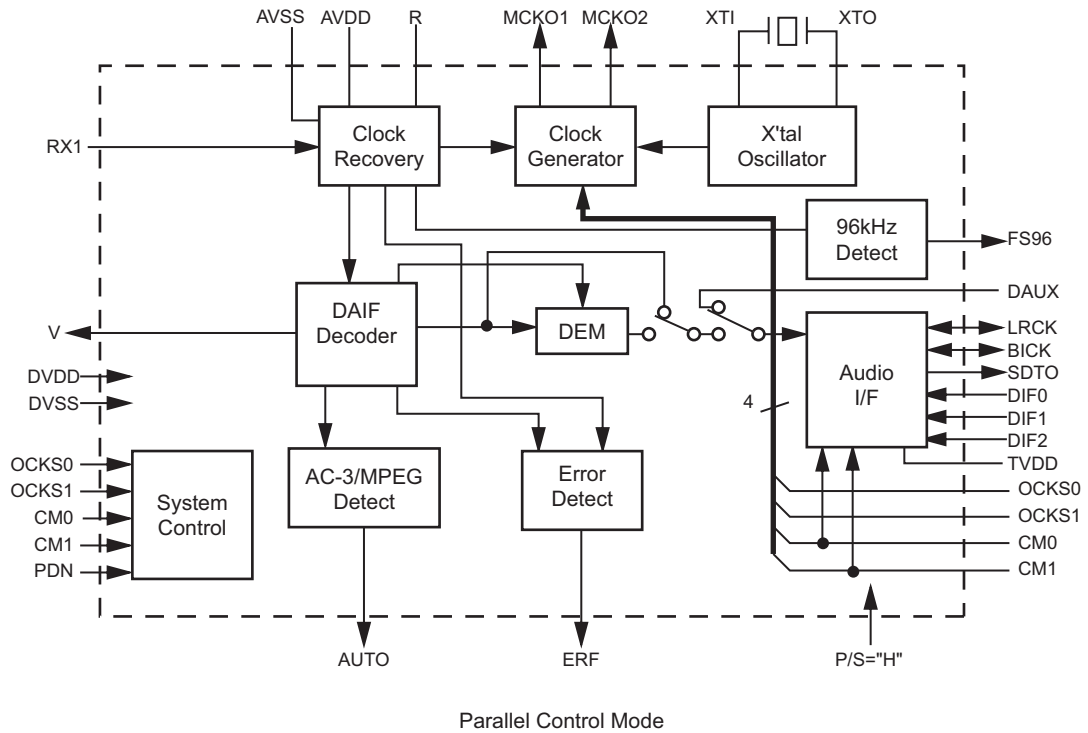
NOTE:

All input pins except internal pull-down pins should not be left floating.

• Block diagram



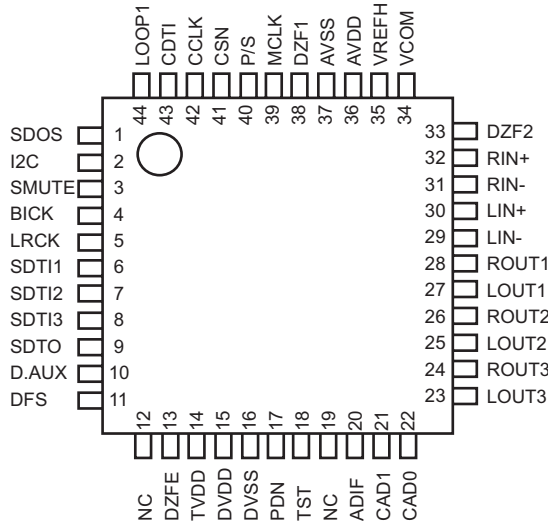
Serial Control Mode



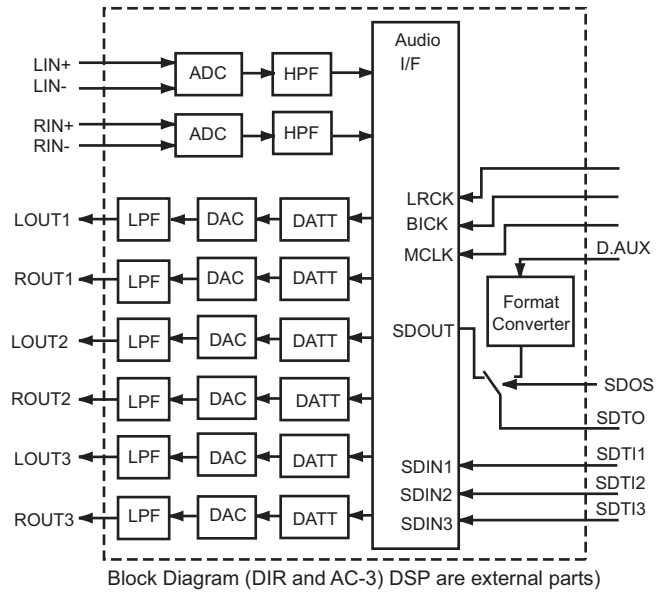
Parallel Control Mode

4.5 AK4527BVQP (IC571) : A/D, D/A converter

- Pin layout



- Block diagram



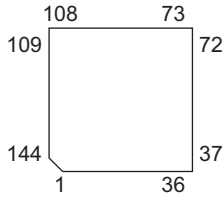
- Pin function

Pin No.	Symbol	I/O	Function
1	SDOS	I	SDTO Source select pin "L" : Internal ADC output, "H" : DAUX input ORed with serial control register if P/S="L".
2	I2C	I	MCKO Clock frequency select pin "L" : MCLK "H" : MCLK/2. ORed with serial control register if P/S="L".
3	SMUTE	I	Connect to GND
4	BICK	I	Audio serial data clock pin
5	LRCK	I/O	Input/Output channel clock pin
6	SDTI1	I	DAC1 Audio serial data input pin
7	SDTI2	I	DAC2 Audio serial data input pin
8	SDTI3	I	DAC3 Audio serial data input pin
9	SDTO	O	Audio serial data output pin
10	D.AUX	I	AUX Audio serial data input pin
11	DFS	I	Double speed sampling mode pin "L" : Normal speed "H" : Double speed the ADC is powered down. ORed with serial control register if P/S="L".
12	NC	-	De-emphasis pin ORed with serial control register if P/S="L"
13	DZFE	I	De-emphasis Pin ORed with serial control register if P/S="L"
14	TVDD	O	Master clock output pin
15	DVDD	-	Digital power supply pin
16	DVSS	-	Digital ground pin
17	PDN	I	Power-down & Reset pin When "L", the AK4527 is powered-down and the control registers are reset to default state. If the state of CAD0-1 changes then the AK4527 must be reset by PDN.
18	TST	I	X'tal oscillator Select/Test mode pin "H" : X'tal Oscillator selected "L" : External clock source selected

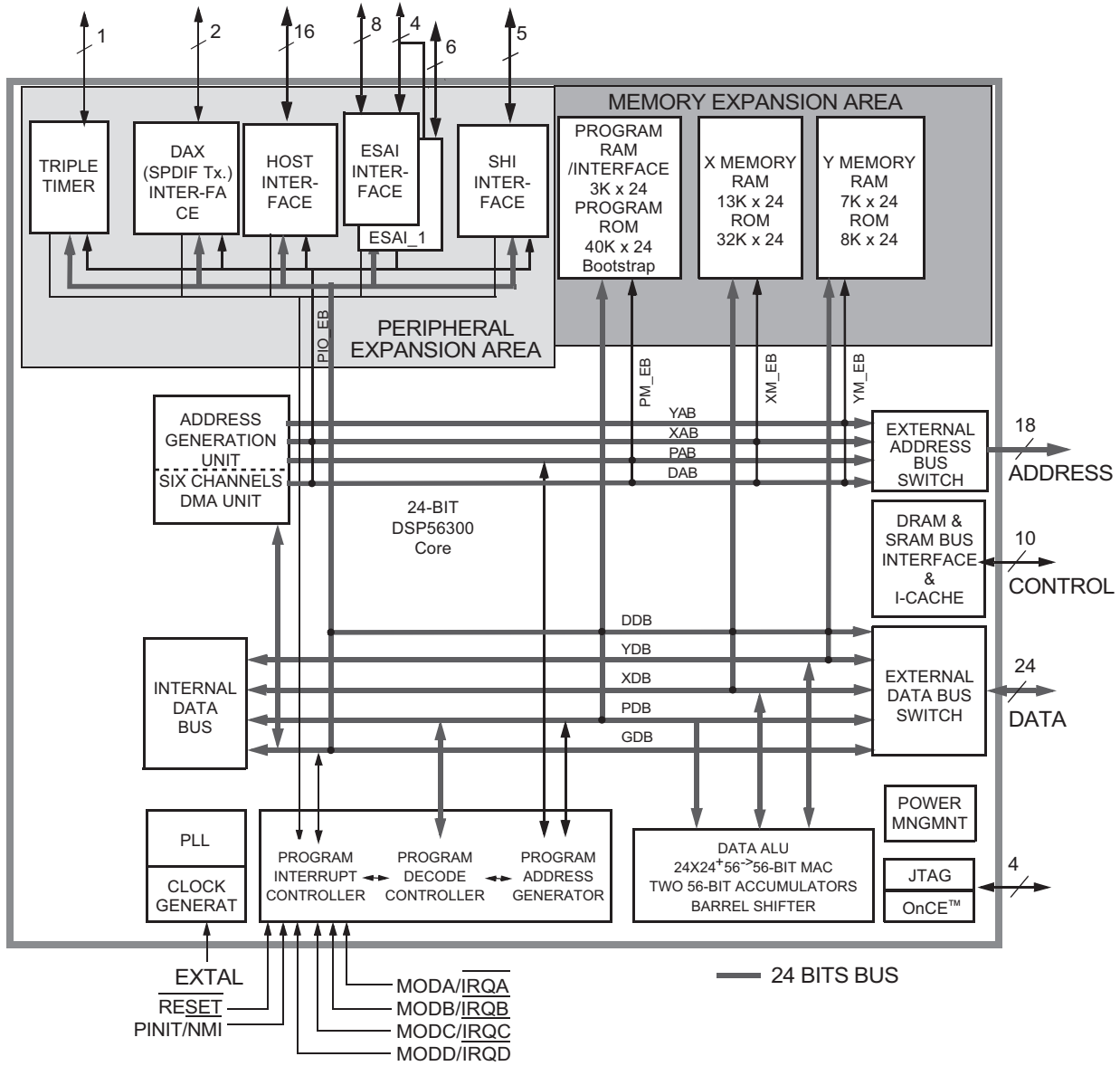
Pin No.	Symbol	I/O	Function
19	NC	I	Input clock select 1 pin
20	ADIF	I	Input clock select 0 pin
21	CAD1	I	Chip address pin Used during the serial control mode.
22	CAD0	I	Chip address pin Used during the serial control mode.
23	LOUT3	O	Lch #3 analog output pin
24	ROUT3	O	Rch #3 analog output pin
25	LOUT2	O	Lch #2 analog output pin
26	ROUT2	O	Rch #2 analog output pin
27	LOUT1	O	Lch #2 analog output pin
28	ROUT1	O	Rch #1 analog output pin
29	LIN-	I	Lch analog negative Input Pin
30	LIN+	I	Lch analog positive Input Pin
31	RIN-	I	Rch analog negative Input Pin
32	RIN+	I	Rch analog positive Input Pin
33	DZF2	I	Negative voltage reference Input pin, AVSS
34	VCOM	O	Common voltage output pin, AVDD/2 Large external capacitor around 2.2uF is used to reduce power-supply noise
35	VREFH	I	Positive voltage reference input pin, AVDD
36	AVDD	-	Analog power supply pin
37	AVSS	-	Analog ground pin
38	DZF1	I	X'tal input pin
39	MCKI	I	External master clock input pin if XTS="L"
40	P/S	I	Parallel/Serial select pin "L" : Serial control mode, "H" : Parallel control mode
41	CSN	I	Chip select pin in serial mode
42	CCLK	I	Control data clock pin in serial mode
43	CDTI	I	Control data input pin in serial mode
44	LOOP1	I	Loop back mode pin in parallel mode Enable all 3 DAC channels to be input from SDTI1.

4.6 DSPD56367PV150 (IC501) : DSP

- Pin layout



- Block diagram



• Pin function

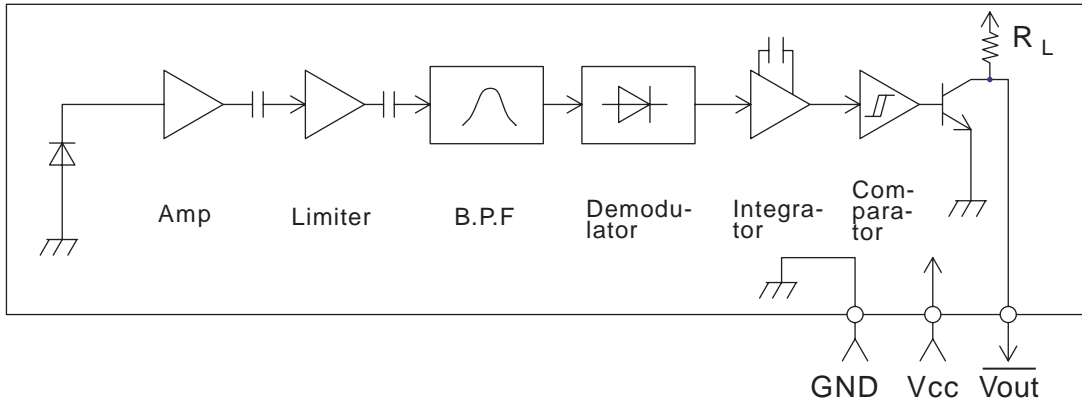
Pin No.	Symbol	I/O	Function
1	SCK	I/O	SPI Serial Clock
2	SS	I	SPI Slave Select
3	HREQ	I/O	Host Request
4	SDO0	O	Serial Data Output 0
5	SDO1	O	Serial Data Output 1
6	SDO2	O	Serial Data Output 2
6	SDI3	I	Serial Data Input 3
7	SDO3	O	Serial Data Output 3
7	SDI2	I	Serial Data Input 2
8	VCCS	-	SHI, ESAI, ESAI_1, DAX and Timer Power
9	GNDS	-	SHI, ESAI, ESAI_1, DAX and Timer Ground
10	SDO4	O	Serial Data Output 4
10	SDI1	I	Serial Data Input 1
11	SDO5	O	Serial Data Output 5
11	SDI0	I	Serial Data Input 0
12	FST	I/O	Frame Sync for Transmitter
13	FSR	I/O	Frame Sync for Receiver
14	SCKT	I/O	Transmitter Serial Clock
15	SCKR	I/O	Receiver Serial Clock
16	HCKT	I/O	High Frequency Clock for Transmitter
17	HCKR	I/O	High Frequency Clock for Receiver
18	VCCQL	-	Quiet Core (Low) power
19	GNDQ	-	Quiet Ground
20	VCCQH	-	Quiet External (High) Power
21	HDS	I	Host Data Strobe
21	HWR	I	Host Write Data
22	HRW	I	Host Read/Write
22	HRD	I	Host Read Data
23	HACK	I	Host Acknowledge
23	HRRQ	O	Receive Host Request
24	HOREQ	O	Host Request
24	HTRQ	O	Transmit Host Request
25	VCCS	-	SHI, ESAI, ESAI_1, DAX and Timer Power
26	GNDS	-	SHI, ESAI, ESAI_1, DAX and Timer Ground
27	ADO	O	Digital Audio Data Output
28	ACI	I	Audio Clock Input
29	TIO0	I/O	Timer 0 Schmitt-Trigger Input/Output
30	HCS	I	Host Chip Select
31	HA2	I	host Address Input 2
31	HA9	I	Host Address 9
32	HA1	I	Host Address Input 1
32	HA8	I	Host Address 8
33	HA0	I	Host Address Input 0
33	HAS	I	Host Address Strobe
34 to 37	HAD7 to HAD4	I/O	Host Address/Data

Pin No.	Symbol	I/O	Function
38	VCCH	-	Host Power
39	GNDH	-	Host Ground
40 to 43	HAD3 to HAD0	I/O	Host Address/Data
44	RESET	I	Reset
45	VCCP	-	PLL Power
46	PCAP	I	PLL Capacitor
47	GNDP	-	PLL Ground
48	SDO5_1	O	Serial Data Output 5_1
48	SDI2_1	I	Serial Data Input 2
49	VCCQH	-	Quiet External (High) Power
50	FST_1	I/O	Frame Sync for Transmitter_1
51	AA2	O	Address Attribute
51	RAS2	O	Row Address Strobe
52	CAS	O	Column Address Strobe
53	SCKT_1	I/O	Transmitter Serial Clock_1
54	GNDQ	-	Quiet Ground
55	EXTAL	I	External Clock Input
56	VCCQL	-	Quiet Core (Low) Power
57	VCCC	-	Bus Control Power
58	GNDC	-	Bus Control Ground
59	CLKOUT	O	Not connect
60	NC	-	Not connect
61	FSR_1	I/O	Frame Sync for Receiver_1
62	SCKR_1	I/O	Receiver Serial Clock_1
63	BR	O	Bus Request
64	BB	I/O	Bus Busy
65	VCCC	-	Bus Control Power
66	GNDC	-	Bus Control Ground
67	WR	O	Write Enable
68	RD	O	Read Enable
69	AA1	O	Address Attribute
69	RAS1	O	Row Address Strobe
70	AA0	O	Address Attribute
70	RAS0	O	Row Address Strobe
71	BG	I	Bus Grant
72,73	A0,A1	O	Address Bus
74	VCCA	-	Address Bus Power
75	GND A	-	Address Bus Ground
76 to 79	A2 to A5	O	Address Bus
80	VCCA	-	Address Bus Power
81	GND A	-	Address Bus Ground
82 to 85	A6 to A9	O	Address Bus
86	VCCA	-	Address Bus Power
87	GND A	-	Address Bus Ground
88,89	A10,A11	O	Address Bus
90	GNDQ	-	Quiet Ground

Pin No.	Symbol	I/O	Function
91	VCCQL	-	Quiet Core (Low) Power
92 to 94	A12 to A14	O	Address Bus
9	VCCQH	-	Quiet External (High) Power
96	GNDA	-	Address Bus Ground
97 to 99	A15 to A17	O	Address Bus
100 to 102	D0 to D2	I/O	Data Bus
103	VCCD	-	Data Bus Power
104	GNDD	-	Data Bus Ground
105 to 110	D3 to D8	I/O	Data Bus
111	VCCD	-	Data Bus Power
112	GNDD	-	Data Bus Ground
113 to 118	D9 to D14	I/O	Data Bus
119	VCCD	-	Data Bus Power
120	GNDD	-	Data Bus Ground
121 to 125	D15 to D19	I/O	Data Bus
126	VCCQL	-	Quiet Core (Low) Power
127	GNDQ	-	Quiet Ground
128	D20	I/O	Data Bus
129	VCCD	-	Data Bus Power
130	GNDD	-	Data Bus Ground
131 to 133	D21 to D23	I/O	Data Bus
134	MODD	I	Mode Select D
134	IRQD	I	External Interrupt Request D
135	MODC	I	Mode Select C
135	IRQC	I	External Interrupt Request C
136	MODB	I	Mode Select B
136	IRQB	I	External Interrupt Request B
137	MODA	I	Mode Select A
137	IRQA	I	External Interrupt Request A
138	SDO4_1	O	Serial Data Output 4_1
138	SDI1_1	I	Serial Data Input 1_1
139	TDO	O	Test Data Output
140	TDI	I	Test Data Input
141	TCK	I	Test Clock
142	TMS	I	Test Mode Select
143	MOSI	I/O	SPI Master-Out-Slave-In
143	HA0	I	IIC Slave Address 0
144	MISO	I/O	SPI Master-In-Slave-Out
144	SDA	I/O	IIC Data and Acknowledge

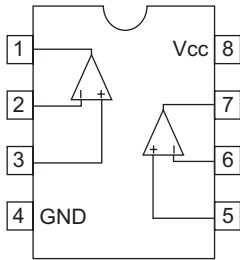
4.7 GP1UM281XK (IC404) : Dual operation amplifier

- Block diagram



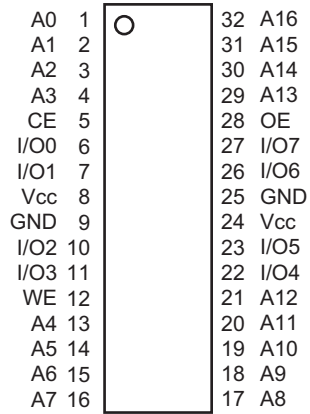
4.8 HA17558AF-X (IC303,IC304,IC386,IC397,IC399,IC520 to IC526,IC528 to IC530) : Ope. amp.

- Pin layout & Block diagram



4.9 IC63LV102410K-X (IC512,IC513,IC514) : CMOS SRAM

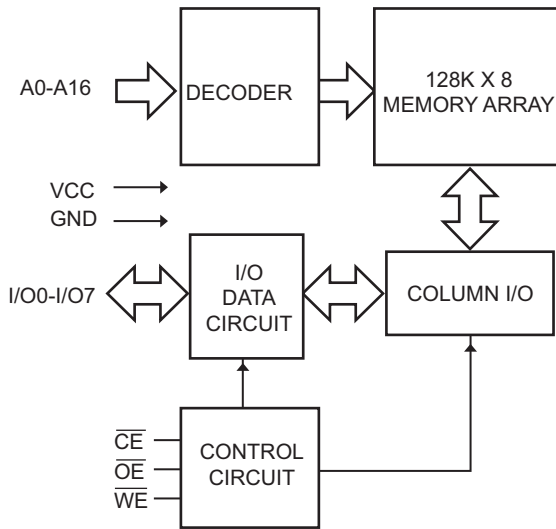
- Pin layout



- Pin function

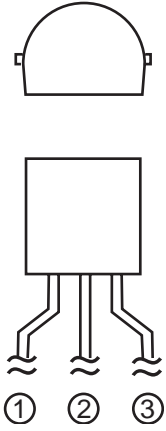
Symbol	Function
A0-A16	Address Input
CE	Chip Enable Input
OE	Output Enable Input
WE	Write Enable Input
I/O1-I/O7	Bidirectional Ports
Vcc	Power
GND	Ground

- Block diagram

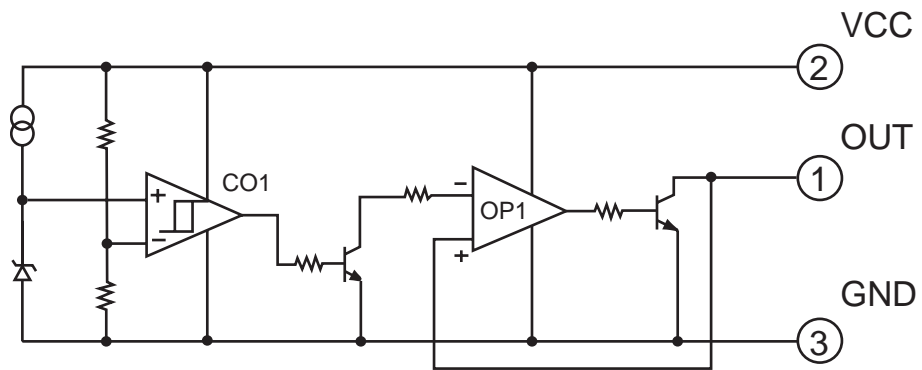


4.10 IC-PST9139-T(IC903) : Regulator

- Terminal layout

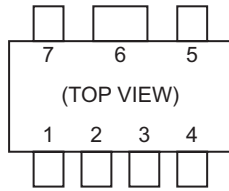


- Block diagram

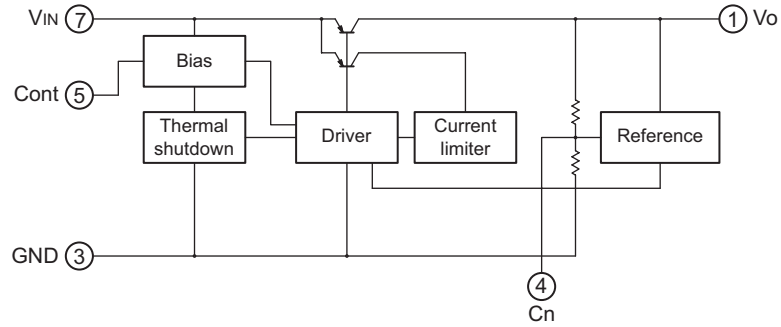


4.11 MM1563DF-X (IC506,IC583) : Regulator

- Pin layout



- Block diagram

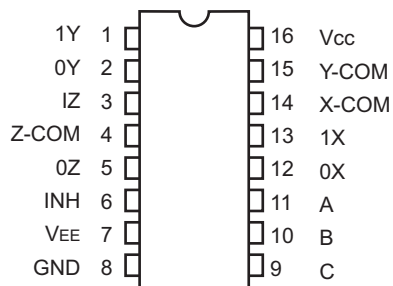


- Pin function

Pin No.	Symbol	Function						
1	Vo	Output pin						
2	NC	Not connect						
3	GND	Ground						
4	Cn	Noise decrease pin						
5	CONT	Control pin <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>CONT</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>ON</td> </tr> <tr> <td>L</td> <td>OFF</td> </tr> </tbody> </table>	CONT	Output	H	ON	L	OFF
CONT	Output							
H	ON							
L	OFF							
6	Sub	Substrate pin, The 6pin must be connected to GND.						
7	VIN	Input pin						

4.12 MM74HC4053SJ-X (IC389) : Multiplexer

- Pin layout



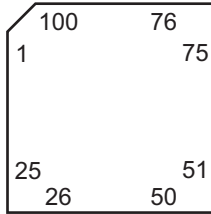
- Pin function

CONTROL INPUTS			
INHIBIT	C	B	A
L	L	L	K
L	L	L	H
L	L	H	K
L	L	H	H
L	H	L	K
L	H	L	H
L	H	H	K
L	H	H	H
H	X	X	X

X: Don't Care.

4.13 MN101C35DMF (IC400) : System control & FL driver

- Pin layout



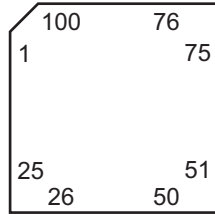
- Pin function

Pin No.	Symbol	I/O	Function
1	TXD / SBO0 / P00	I	MULTI JOG IN1
2	RXD / SBI0 / P01	I	MULTI JOG IN2
3	SBT0 / P02	O	LED1
4	SBO1 / P03	O	LED2 (STANDBY)
5	SBI1 / P04	O	BU2092 CLK
6	SBT1 / P05	O	BU2092 DATA
7	BUZZER / P06	O	BU2092 STB
8	VDD	-	+5V
9	OSC2	-	8MHz oscillation terminal
10	OSC1	-	8MHz oscillation terminal
11	VSS	-	Ground
12	XI	-	Connect to ground
13	XO	-	Not connect
14	MMOD	-	Connect to ground
15	VREF-	-	Ground
16	AN0 / PA0	I	Key input 1 (7 key)
17	AN1 / PA1	I	Key input 2 (7 key)
18	AN2 / PA2	I	Key input 3 (7 key)
19	AN3 / PA3	I	Key input 4 (7 key)
20	AN4 / PA4	I	Key input 5 (7 key)
21	AN5 / PA5	I	Key input 6 (7 key)
22	AN6 / PA6	I	Chip select 1
23	AN7 / PA7	I	Chip select 2
24	VREF+	-	+5V
25	P07	O	LED3 (CC CNV/BASS B)
26	/RST / P27	I	Reset input
27	RMOUT / TM0IO / P10	O	LED4 (DIRECT)
28	TM1IO / P11	O	LED5
29	TM2IO / P12	O	LED6
30	TM3IO / P13	O	DCS output
31	TM4IO / P14	O	AV link VCR output
32	P15	I/O	Micom transmit BUSY
33	IRQ0 / P20	I	Micom transmit CS
34	SENS / IRQ1 / P21	I	Remocon input
35	IRQ2 / P22	I	Volume JOG input1
36	IRQ3 / P23	I	Volume JOG input2
37	IRQ4 / P24	I	DCS input
38	P25	I	AV link VCR input
39	SBO2 / P30	O	Micom transmit STATUS output
40	SBI2 / P31	I	Micom transmit COMMAND input
41	SBT2 / P32	I	Micom transmit CLK
42 to 46	P50 to P54	O	LED7 to LED11
47	DGT17 / P67	O	GRID17
48	DGT16 / P66	O	GRID16
49	DGT15 / P65	O	GRID15
50	DGT14 / P64	O	GRID14
51	DGT13 / P63	O	GRID13
52	DGT12 / P62	O	GRID12

Pin No.	Symbol	I/O	Function
53	DGT11 / P61	O	GRID11
54	DGT10 / P60	O	GRID10
55	DGT9 / P41	O	GRID9
56	DGT8 / P40	O	GRID8
57	SEG0 / DGT7 / P77	O	GRID7
58	SEG1 / DGT6 / P76	O	GRID6
59	SEG2 / DGT5 / P75	O	GRID5
60	SEG3 / DGT4 / P74	O	GRID4
61	SEG4 / DGT3 / P73	O	GRID3
62	SEG5 / DGT2 / P72	O	GRID2
63	SEG6 / DGT1 / P71	O	GRID1
64	SEG7 / DGT0 / P70	O	SEGMENT1
65	SEG8 / P87	O	SEGMENT2
66	SEG9 / P86	O	SEGMENT3
67	SEG10 / P85	O	SEGMENT4
68	SEG11 / P84	O	SEGMENT5
69	SEG12 / P83	O	SEGMENT6
70	SEG13 / P82	O	SEGMENT7
71	SEG14 / P81	O	SEGMENT8
72	SEG15 / P80	O	SEGMENT9
73	SEG16 / P97	O	SEGMENT10
74	SEG17 / P96	O	SEGMENT11
75	SEG18 / P95	O	SEGMENT12
76	SEG19 / P94	O	SEGMENT13
77	SEG20 / P93	O	SEGMENT14
78	SEG21 / P92	O	SEGMENT15
79	SEG22 / P91	O	SEGMENT16
80	SEG23 / P90	O	SEGMENT17
81	SEG24 / PC2	O	SEGMENT18
82	SEG25 / PC1	O	SEGMENT19
83	SEG26 / PC0	O	SEGMENT20
84	SEG27 / PB7	O	SEGMENT21
85	SEG28 / PB6	O	SEGMENT22
86	SEG29 / PB5	O	SEGMENT23
87	SEG30 / PB4	O	SEGMENT24
88	SEG31 / PB3	O	SEGMENT25
89	SEG32 / PB2	O	SEGMENT26
90	SEG33 / PB1	O	SEGMENT27
91	SEG34 / PB0	O	SEGMENT28
92	SEG35 / PD7	O	SEGMENT29
93	SEG36 / PD6	O	SEGMENT30
94	SEG37 / PD5	O	SEGMENT31
95	SEG38 / PD4	O	SEGMENT32
96	SEG39 / PD3	O	SEGMENT33
97	SEG40 / PD2	O	SEGMENT34
98	SEG41 / PD1	O	SEGMENT35
99	SEG42 / PD0	O	SEGMENT36
100	VPP	-	VPP

4.14 MM101C49GMG (IC901) : System control

- Pin layout



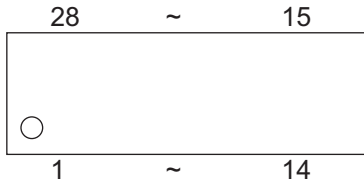
- Pin function

Pin No.	Symbol	I/O	Function
1	VREF-	-	GND
2	AN0/PA0	I	Micom 5V unusual det.
3	AN1/PA1	I	DSP A5V unusual det.
4	AN2/PA2	I	DSP D5V unusual det.
5	AN3/PA3	I	Analog 15V unusual det.
6	AN4/PA4	I	Ground
7	AN5/PA5	I	TU 9V unusual detect
8	AN6/PA6	I	Ground
9	AN7/PA7	I	Ground
10	VREF+	-	+5V
11	VDD	-	+5V
12	OSC2	-	8MHz
13	OSC1	-	8MHz
14	VSS	-	Ground
15	XI	-	Ground
16	XO	-	Open
17	MMOD	I	Ground
18	SBO0/P00	I	Ground
19	SBI0/P01	I	Ground
20	SBT0/P02	I	Ground
21	SBO2/P03	O	Display micom command
22	SBI2/P04	I	Display micom status
23	SBT2/P05	O	Display micom clock
24	NDK/BUZZER/P06	O	Display micom reset
25	SYSLK/P07	O	Display micom CS
26	P20/IRQ0	I	Display micom BUSY
27	P21/IRQ1/SENS	I	Ground
28	P22/IRQ2	I	Ground
29	P23/IRQ3	I	RDS DAVN
30	P24/IRQ4	I	INH
31	P25/IRQ5	I	Protector
32	P26	I	VDD2(FLASH)
33	P27/NRST	I	Reset input
34	P10/TM0IO	O	Tuner data out
35	P11/TM1IO	I	Tuner data in
36	P12/TM2IO	O	Tuner CLK
37	P13/TM3IO	O	Tuner CE
38	P14/TM7IO	O	RDS SDA input/output
39	P15	O	RDS SCL output
40	P16/TM4IO	O	Tuner mute
41	P17	I	VPP(+5V:FLASH)
42	P30/TXD1/SBO1	I	Multi detect input
43	P31/RXD1/SBI1	O	Multi voltage switching
44	P32/SBT1	O	DSP micom reset
45	P33/NBR/SBO3	O	DSP micom command
46	P34/NBT/SBI3	I	DSP micom status
47	P35/SCL/SBT3	O	DSP micom clock
48	P36	O	DSP micom READY
49	P37	O	SUBWFR MUTE
50	P40/KEY0	O	SOURCE MUTE
51	P41/KEY1	O	VIDEO SWITCH 1

Pin No.	Symbol	I/O	Function
52	P42/KEY2	O	VIDEO SWITCH 2
53	P43/KEY3	O	VIDEO SWITCH 3
54	P44/KEY4	O	VIDEO SWITCH 4
55	P45/KEY5	O	TC9459 STB
56	P46/KEY6	O	TC9459 CLK
57	P47/KEY7	O	TC9459 DAT
58	P50/NWE	O	TC916X STB
59	P51/NRE	O	TC916X CLK
60	P52/NCS	O	TC916X DAT
61	P53/A16	O	SURRBACK 1SPK
62	P54/PA17	I	Ground
63	P60/A0	I	Ground
64	P61/A1	I	Ground
65	P62/A2	I	Ground
66	P63/A3	I	Ground
67	P64/A4	I	Ground
68	P65/A5	I	Ground
69	P66/A6	I	Ground
70	P67/A7	I	Ground
71	P70/A8	O	HEADPHONE relay
72	P71/A9	O	FRONT 1 relay
73	P72/A10	O	FRONT 2 relay
74	P73/A11	O	CENTER relay
75	P74/A12	O	SURR relay
76	P75/A13	O	SURRBACK relay
77	P76/A14	I	VIDEO S/C input
78	P77/A15	I	DBS S/C input
79	P80/D0/LED0	I	VCR2 S/C input
80	P81/D1/LED1	I	VCR1 S/C input
81	P82/D2/LED2	I	DVD S/C input
82	P83/D3/LED3	O	POWER ON
83	P84/D4/LED4	I	Ground
84	P85/D5/LED5	I	Ground
85	P86/D6/LED6	I	Ground
86	P87/D7/LED7	I	Ground
87	PD0/SDO0	I	Ground
88	PD1/SDO1	I	Ground
89	PD2/SDO2	I	Ground
90	PD3/SDO3	I	Ground
91	PD4/SDO4	I	Ground
92	PD5/SDO5	I	Ground
93	PD6/SDO6	I	Ground
94	PD7/SDO7	I	Ground
95	DAVSS	-	Ground
96	PC0/DA0	I	Ground
97	PC1/DA1	I	Ground
98	PC2/DA2	I	Ground
99	PC3/DA3	I	Ground
100	DAVDD	-	Ground

4.15 MN35505-X (IC561) : DAC

- Pin layout

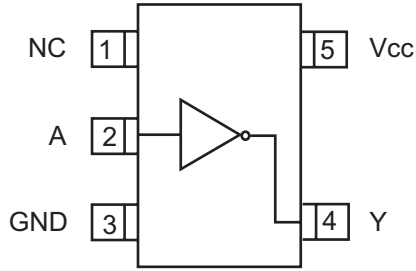


- Pin function

Pin No.	Symbol	I/O	Function
1	M5	I	Control signal for DAC
2	DIN	I	Digital data input
3	LRCK	I	L and R clock for DAC
4	BCK	I	Bit clock for DAC
5	M3	I	Control signal for DAC
6	DVDD2	-	Power supply
7	CKO	-	Non connect
8	DVSS2	-	Connect to ground
9	M2	I	Control signal for DAC
10	M1	I	Control signal for DAC
11	OUT1C	O	Analog output 1
12	AVDD1	-	Power supply
13	OUT1D	O	Analog output 1
14	AVSS1	-	Connect to GND
15	AVSS2	-	Connect to GND
16	OUT2D	O	Analog output 2
17	AVDD2	-	Power supply
18	OUT2C	O	Analog output 2
19	M9	I	Control signal for DAC
20	DVSS2	-	Connect to GND
21	XOUT	-	Non connect
22	XIN	-	Non connect
23	VCOF	I	VCO Frequency
24	DVDD1	-	Power supply D+5V
25	M7	-	Connect to GND
26	M8	-	Connect to GND
27	M4	I	Control signal for DAC
28	M6	I	Clock for control signal

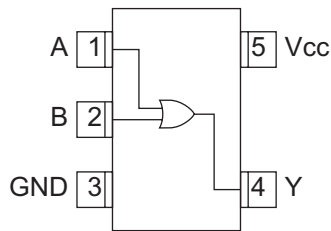
4.16 NC7S04P5-X (IC503) : CMOS inverter

- Pin layout & Block diagram



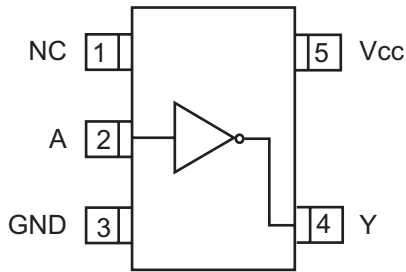
4.17 NC7ST32P5-X (IC582) : 2-Input or gate

- Pin layout & Block diagram



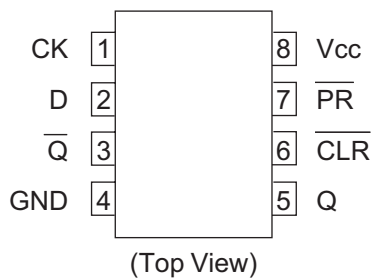
4.18 NC7SU04P5-X (IC502) : CMOS inverter

- Pin layout & Block diagram

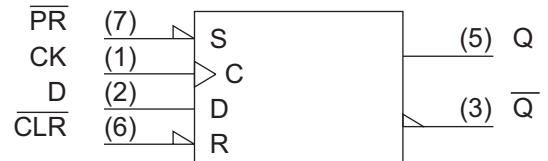


4.19 NC7SZ74K8-X (IC573) : Clock buffer

- Pin layout

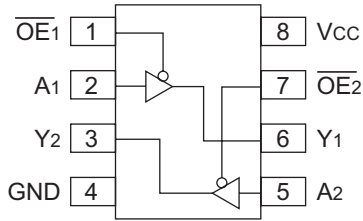


- Pin function



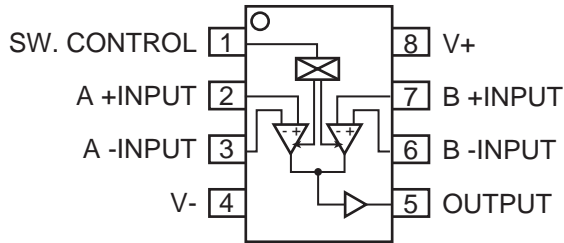
4.20 NC7WZ125K8-X (IC572) : Dual buffer with 3-state outputs

- Pin layout & Block diagram



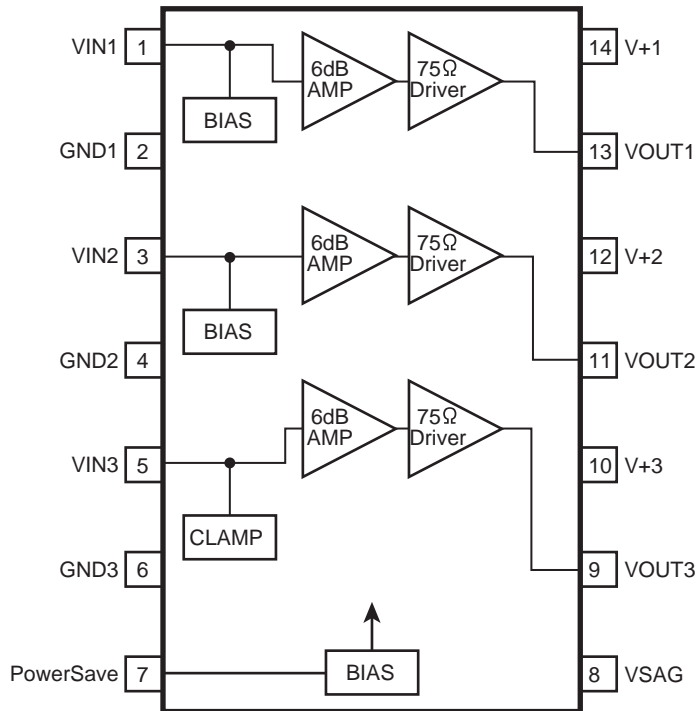
4.21 NJM2121M-X (IC527) : Op amp.

- Block diagram

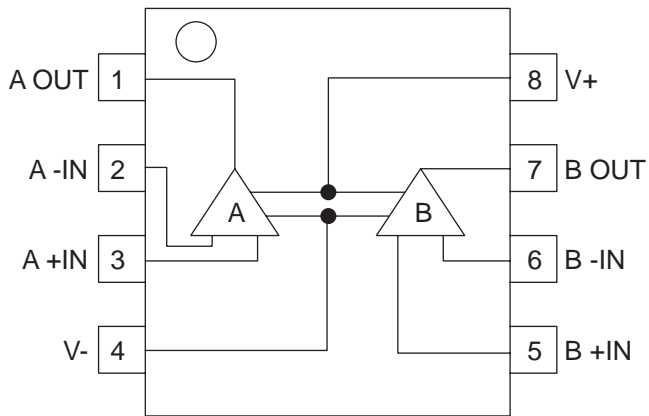


4.22 NJM2580M-X (IC390) : Video amp.

- Block diagram

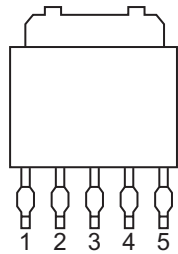


4.23 NJM4580D-D (IC301) : Dual ope amp.

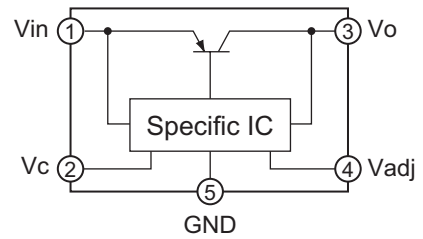


4.24 PQ070XZ1HZ-X (IC505) : Regulator

- Pin layout

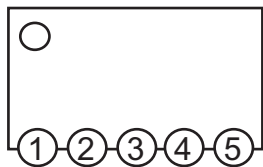


- Pin function

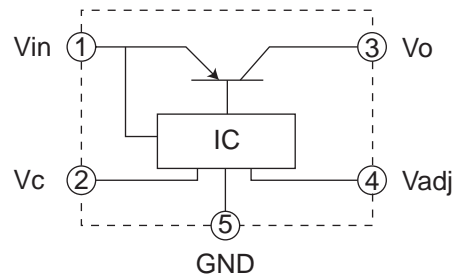


4.25 PQ20VZ11-X (IC507) : Regulator

- Pin layout

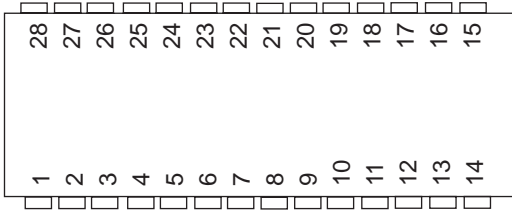


- Block diagram

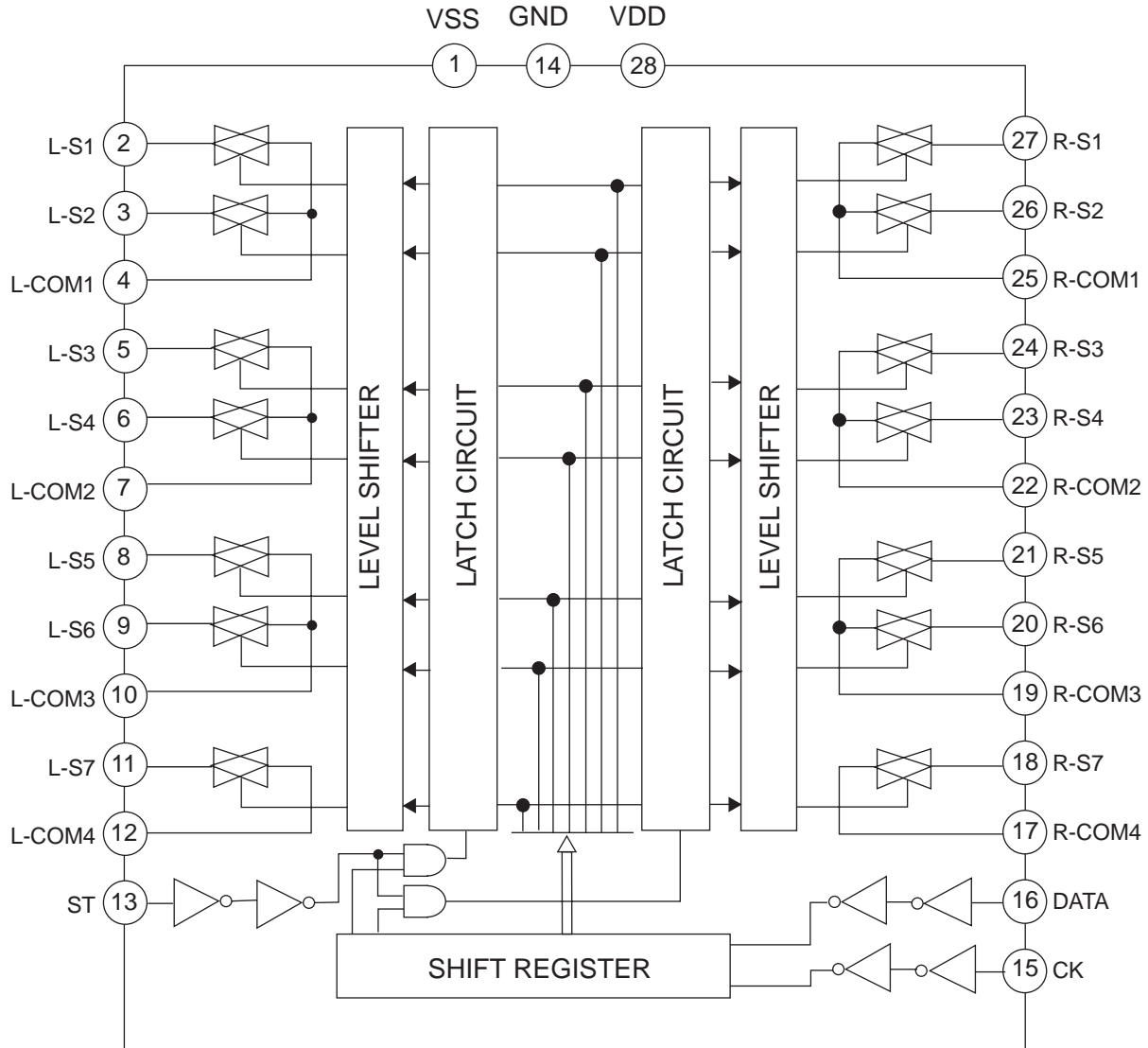


4.26 TC9162AF-X (IC380) : Analog switch

- Pin Layout

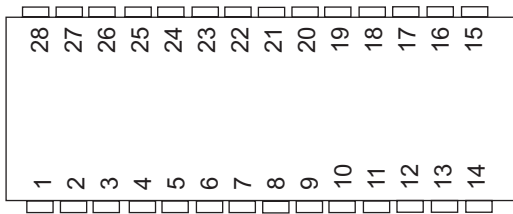


- Block Diagram

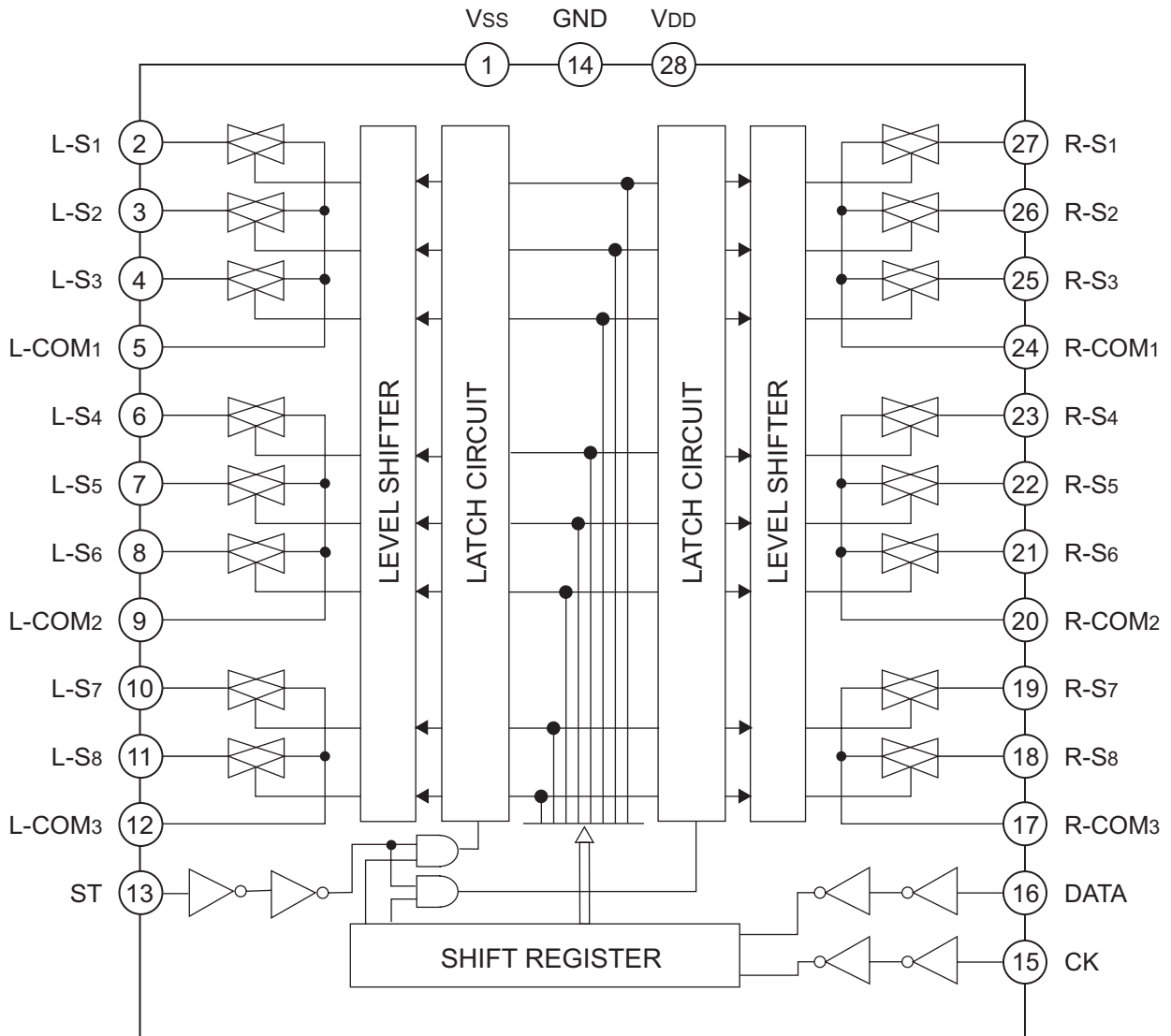


4.27 TC9163AF-X (IC371) : Analog switch

- Pin layout

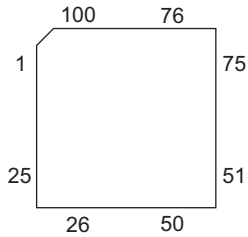


- Pin function



4.28 UPD784215AGC196 (IC581) : CPU

- Pin layout



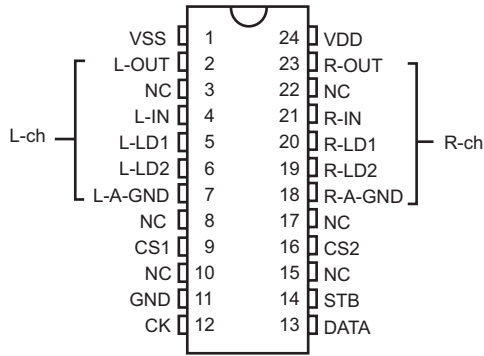
- Pin function

Pin No.	Symbol	I/O	Function
1		-	Open
2		-	Open
3		-	Open
4		-	Open
5		-	Open
6		-	Open
7		-	Open
8		-	Open
9	VDD	-	+3.0V
10	X2	-	Main system clock input
11	X1	I	Main system clock input
12	VSS	-	Ground
13	XT2	-	Open
14	XT1	-	Connect to ground
15	RESET	I	Reset INPUT
16		I	96/24 OPERATION input
17	ERF	I	ERROR input (UNLOCK detect)
18		-	Connect to ground
19		-	Connect to ground
20		-	Connect to ground
21		-	Connect to ground
22		-	Connect to ground
23	AVDD	-	+3.0V
24	AV REF0	-	Ground
25	7030/8030	I	
26	CS1	I	CHIP SELECT INPUT PORT (Pull down with 10kΩ resistor)
27	CS2	I	CHIP SELECT INPUT PORT (Pull down with 10kΩ resistor)
28	CS3	I	CHIP SELECT INPUT PORT (Pull down with 10kΩ resistor)
29	CS4	I	CHIP SELECT INPUT PORT (Pull down with 10kΩ resistor)
30		-	Connect to ground
31		-	Connect to ground
32		-	Connect to ground
33	AVSS	-	Ground
34		-	Open
35		-	Open
36	AV REF1	-	+3.0V
37	RX	O	For flash memory writing terminal (Pull down with 10kΩ resistor)
38		-	Open
39		-	Open
40	DSP_COM	I	HOST DATA IN (Serial 1)
41	DSP_STB	O	HOST DATA OUT (Serial1)
42	DSP_CLK	I	HOST CLOCK (Serial1)
43	DSP_RDY	O	HOST READY
44		-	Open

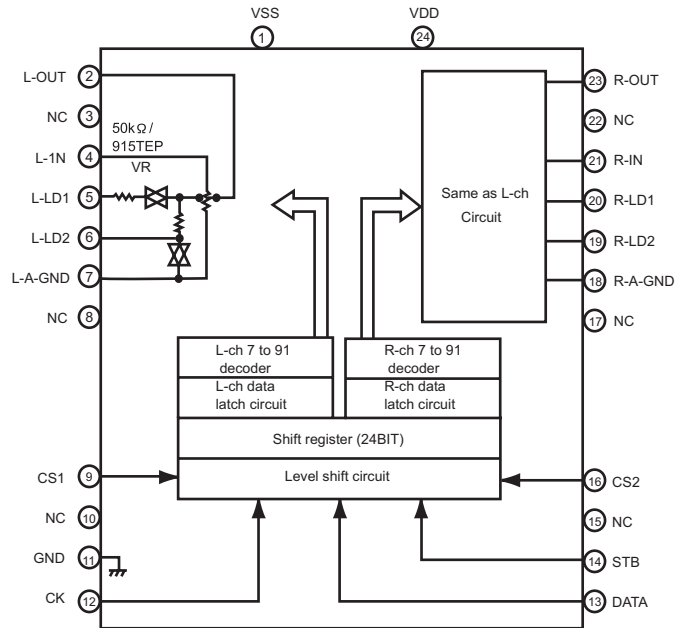
Pin No.	Symbol	I/O	Function
45	MIDIO_IN	I	DATA IN (Serial0)
46	MIDIO_OUT	O	DATA OUT (Serial0)
47	KICK	O	CLOCK (Serial0)
48	HREQ	O	HREQ
49	SS	O	Slave Select
50		-	Open
51		-	Open
52	DSP_RST	O	DSP RESET
53	96/24	O	
54	D_CS	O	DIR CS
55		O	Open
56	D_PD	O	DIR POWER DOWN
57	C_PD	O	CODEC POWER DOWN
58	192K/98K	-	Open
59	RST_DD	O	DAC RESET
60	PD_DD	O	DAC POWER DOWN
61		-	Open
62		-	Open
63	P_DIG_SEL	O	
64	CODEC_D-OUT	O	DIR, CODEC DATA OUT
65	CODEC_D-IN	I	DIR DATA IN
66	CODEC_CLK	O	DIR, CODEC CLOCK
67	CODEC_CS	O	CODEC CS
68	DEBUG1	O	DEBUG OUT PORT
69	DEBUG2	O	DEBUG OUT PORT
70	DEBUG3	O	DEBUG OUT PORT
71	DEBUG4	O	DEBUG OUT PORT
72	GND	-	Ground
73		-	Open
74		-	Open
75		-	Open
76	EQ	O	Gain Control : Front
77	CTR_TONE	O	Gain Control : Center
78	3D	O	MIX 3D SIGNAL TO FRONT ch
79	3D	O	Gain Control : Surr
80		-	Open
81	VDD	-	+3.0v
82		-	Open
83		-	Open
84	ANA/T. TONE	O	
85		-	Open
86		-	Open
87		-	Open
88	S.MUTE	O	
89	LFE.MIX	O	
90	LFE_CONT	O	
91		-	Open
92		-	Open
93		-	Open
94	TEST	-	Connect to VSS
95		-	Open
96		-	Open
97		-	Open
98		-	Open
99		-	Open
100		-	Open

4.29 TC9459F-X (IC381 to IC384) : Electronic volume control

- Pin layout



- Pin function



- Pin function

Pin No.	Symbol	Function
1	VSS	Negative power supply pin
2	L-OUT	Volume output pin
3	NC	No connection
4	NC	No connection
5	L-LD1	Loudness tap output pin
6	L-LD2	Loudness tap output pin
7	L-A-GND	Analog GND pin
8	NC	No connection
9	CS1	Chip select input pin
10	NC	No connection
11	NC	No connection
12	CK	Clock input pin

Pin No.	Symbol	Function
13	DATA	Data input pin
14	STB	Strobe input pin
15	NC	No connection
16	CS2	Chip select input pin
17	NC	No connection
18	R-A-GND	Analog GND pin
19	R-LD2	Loudness tap output pin
20	R-LD1	Loudness tap output pin
21	R-IN	Volume input pin
22	NC	No connection
23	R-OUT	Volume output pin
24	VDD	Positive power supply pin



JVC

VICTOR COMPANY OF JAPAN, LIMITED

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

(No.22058)



Printed in Japan
WPC

JVC

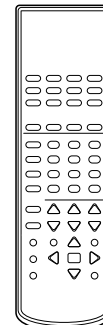
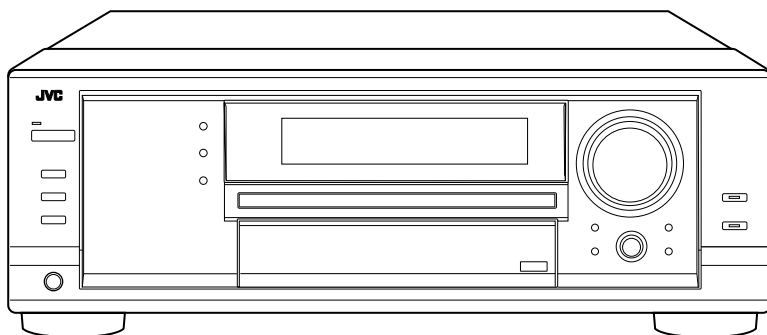
SCHEMATIC DIAGRAMS

AUDIO/VIDEO CONTROL RECEIVER

RX-7030VBK

CD-ROM No.SML200305

Area suffix	
J	U.S.A.
C	Canada



AV COMPU LINK

COMPU LINK
Remote

DD DOLBY
DIGITAL EX
PRO LOGIC II

dts 96 24 ES
24 192ES

CONVERTER

K2
TECHNOLOGY

Contents

Block diagrams	2-2
Standard schematic diagrams	2-4
Printed circuit boards	2-24 to 35

< MEMO >

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.

(This regulation does not correspond to J and C version.)

Block diagrams

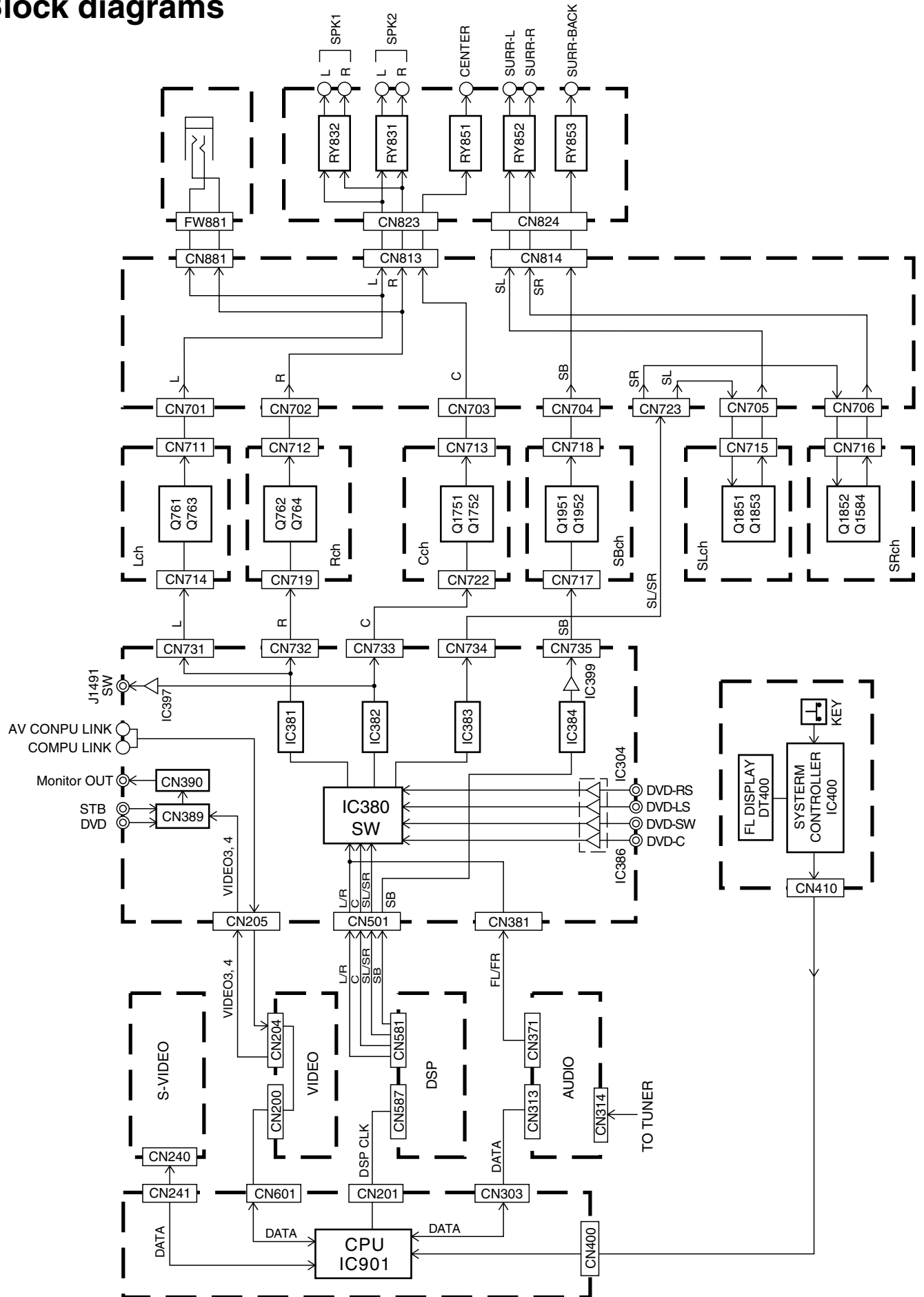
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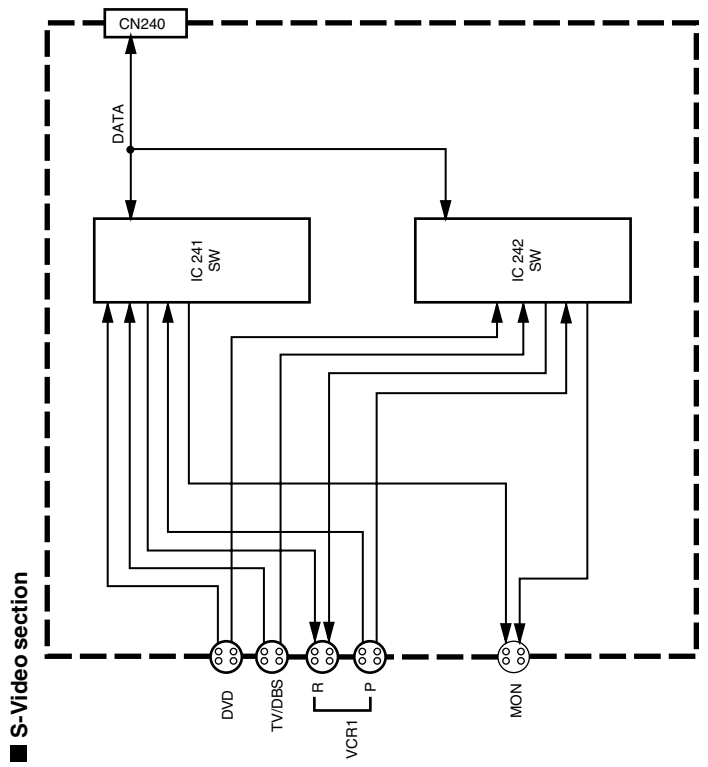
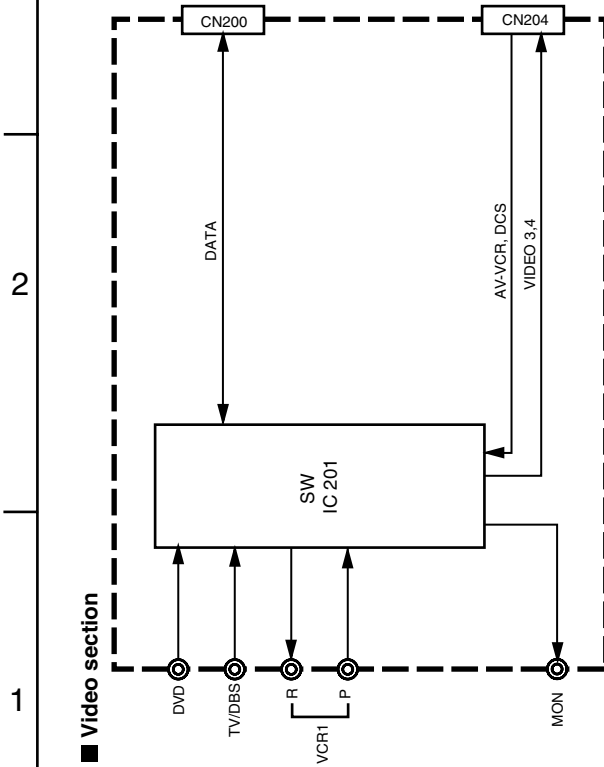
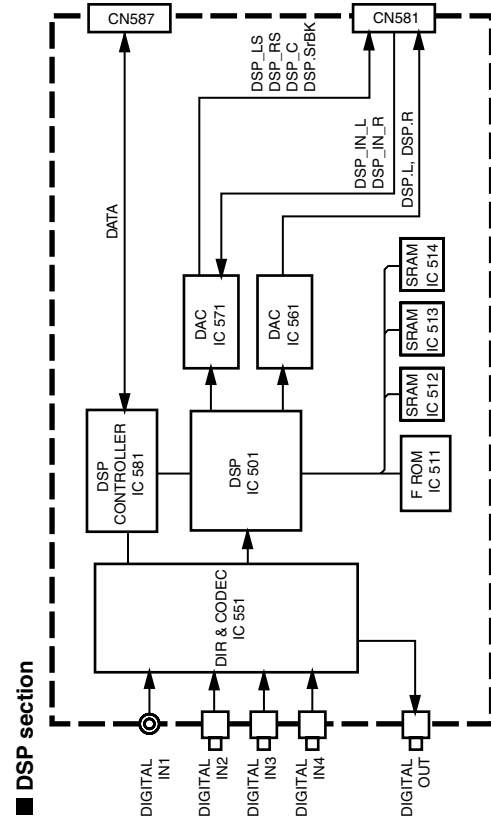
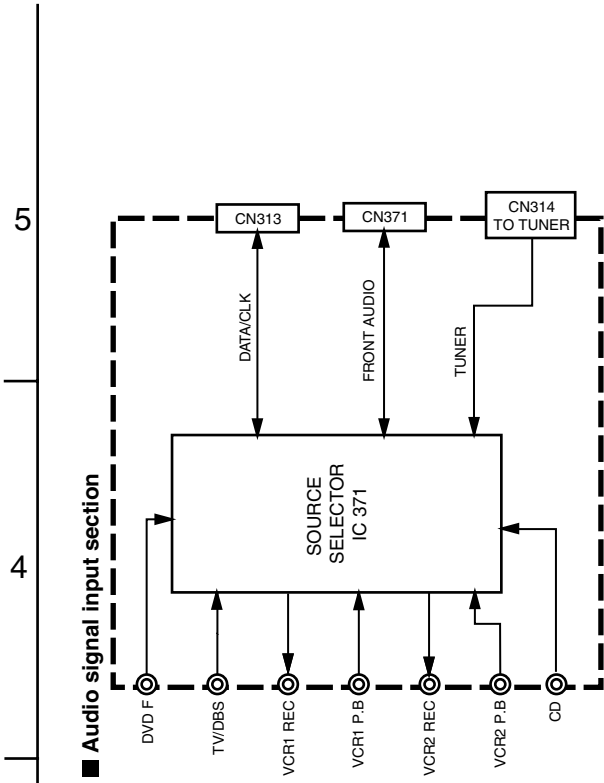
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2

1





Standard schematic diagrams

Power supply section

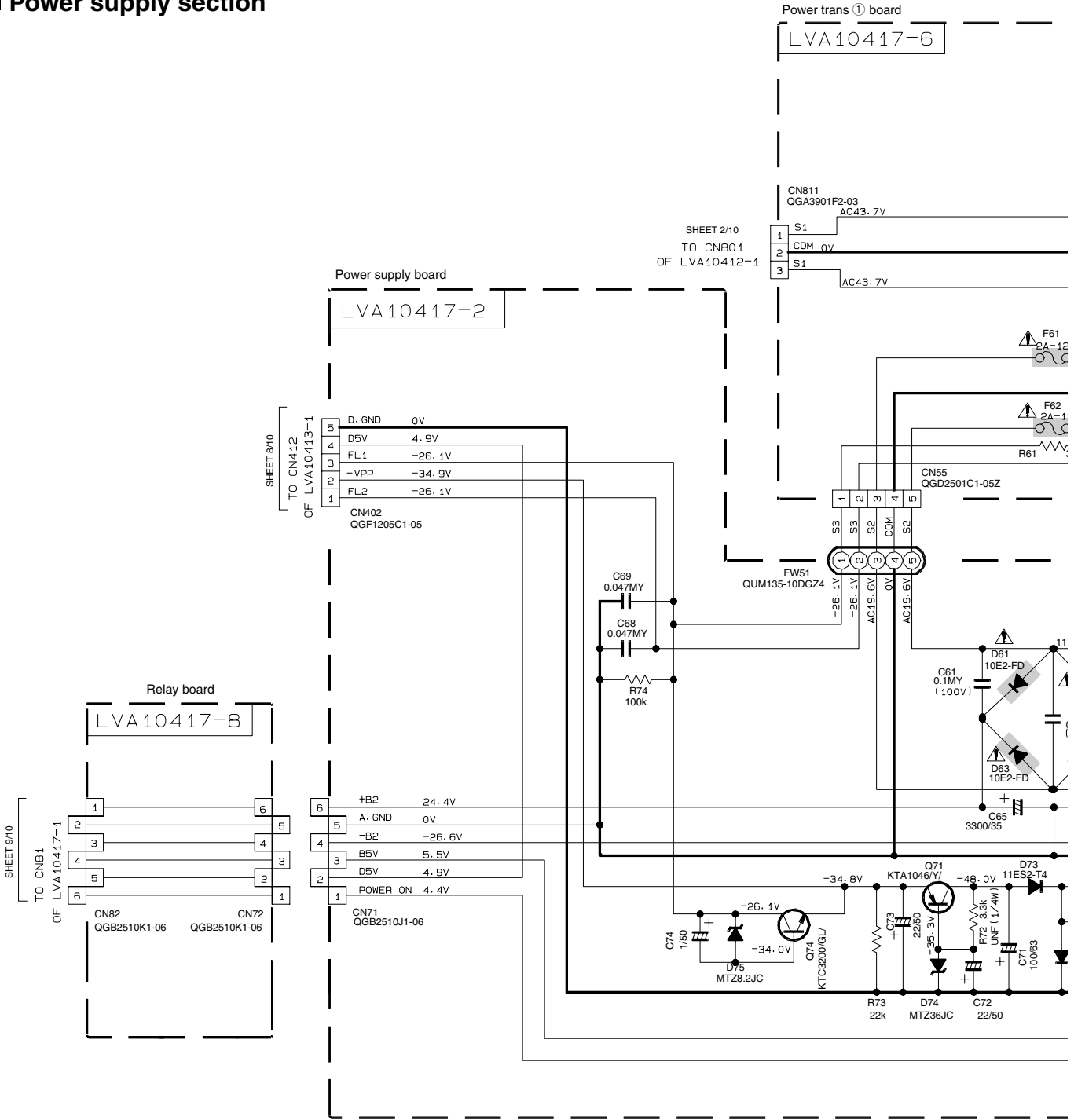
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3

2

1



REV	DATE	BY	CHKD	DESCRIPTION
1/1	08/11/01	WJ	WJ	INITIAL
1/2	08/11/01	WJ	WJ	INITIAL
1/3	08/11/01	WJ	WJ	INITIAL
1/4	08/11/01	WJ	WJ	INITIAL
1/5	08/11/01	WJ	WJ	INITIAL
1/6	08/11/01	WJ	WJ	INITIAL
1/7	08/11/01	WJ	WJ	INITIAL
1/8	08/11/01	WJ	WJ	INITIAL
1/9	08/11/01	WJ	WJ	INITIAL
1/10	08/11/01	WJ	WJ	INITIAL
1/11	08/11/01	WJ	WJ	INITIAL
1/12	08/11/01	WJ	WJ	INITIAL
1/13	08/11/01	WJ	WJ	INITIAL
1/14	08/11/01	WJ	WJ	INITIAL
1/15	08/11/01	WJ	WJ	INITIAL
1/16	08/11/01	WJ	WJ	INITIAL
1/17	08/11/01	WJ	WJ	INITIAL
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1/20	08/11/01	WJ	WJ	INITIAL
1/21	08/11/01	WJ	WJ	INITIAL
1/22	08/11/01	WJ	WJ	INITIAL
1/23	08/11/01	WJ	WJ	INITIAL
1/24	08/11/01	WJ	WJ	INITIAL
1/25	08/11/01	WJ	WJ	INITIAL
1/26	08/11/01	WJ	WJ	INITIAL
1/27	08/11/01	WJ	WJ	INITIAL
1/28	08/11/01	WJ	WJ	INITIAL
1/29	08/11/01	WJ	WJ	INITIAL
1/30	08/11/01	WJ	WJ	INITIAL

VERSION CODES

- J : U. S. A.
- C : CANADA
- B : U. K.
- E : CONTINENTAL EUROPE
- EN : NORDIC COUNTRIES
- EV : EASTERN EUROPE
- UJ : MILITARY
- US : SINGAPORE
- UP : KOREA
- A : AUSTRALIA

SHEET NUMBER	CIRCUIT DISCRPTION
1/10	POWER SUPPLY
2/10	MAIN & SPEAKER TERMINAL
3/10	AUDIO AMP (FRONT CHANNEL)
4/10	AUDIO AMP (CENTER, SURR, S-BACK CHANNEL)
5/10	AUDIO SIGNAL INPUT
6/10	VIDEO/S-VIDEO SIGNAL INPUT
7/10	I/O
8/10	FRONT KEY/SYSTEM CONTROL
9/10	MICON
10/10	DSP

■ Main & Speaker terminal section

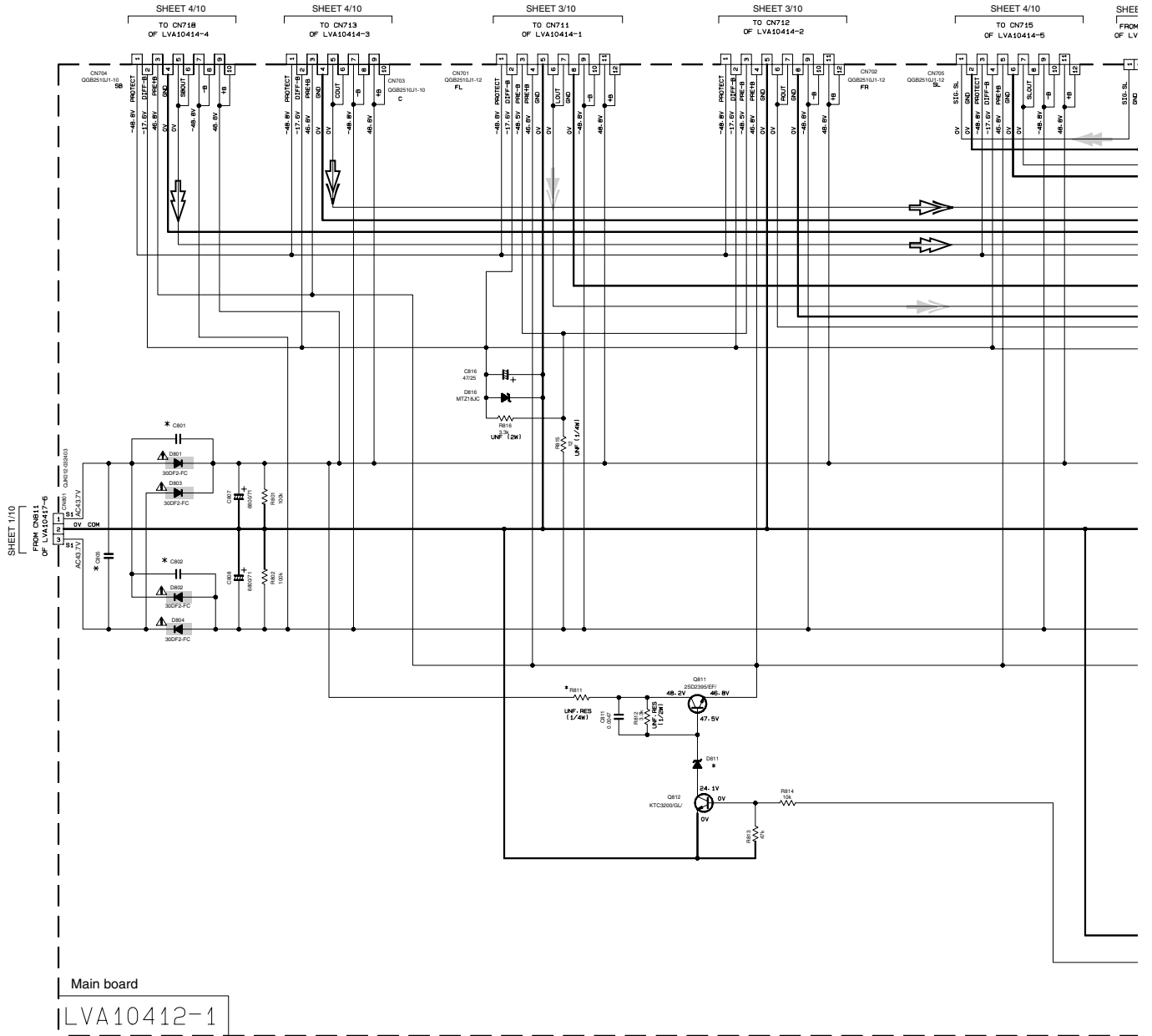
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1



#MARK	J/C	UJ	E/EN
D811	MTZ24JC	MTZ22JC	MTZ20JB
R811	15	12	12
C801	0.01	0.1	0.1
C802	0.01	0.1	0.1
C805	0.01	0.1	0.1
LB43-L845		USE	USE
ST832	QNB0110-001	QNB0130-001	QNB0130-001
ST833	QNB0109-001	QNB0128-001	QNB0128-001
ST853	QNB0108-001	QNB0129-001	QNB0129-001
R833-R834		USE	USE
R837-R838		USE	USE
R895		USE	USE
R897-R899		USE	USE
C833-C848		USE	USE
C881		USE	USE
C883-C893		USE	USE
C895-C898		USE	USE
C91, C92		USE	USE

- ➡ FRONT signal
- ➡ CENTER signal
- ➡ REAR signal
- ➡ SURROUND signal
- ⚠ Parts are safety When replacing 1 sure to use the s

2-6

A

B

C

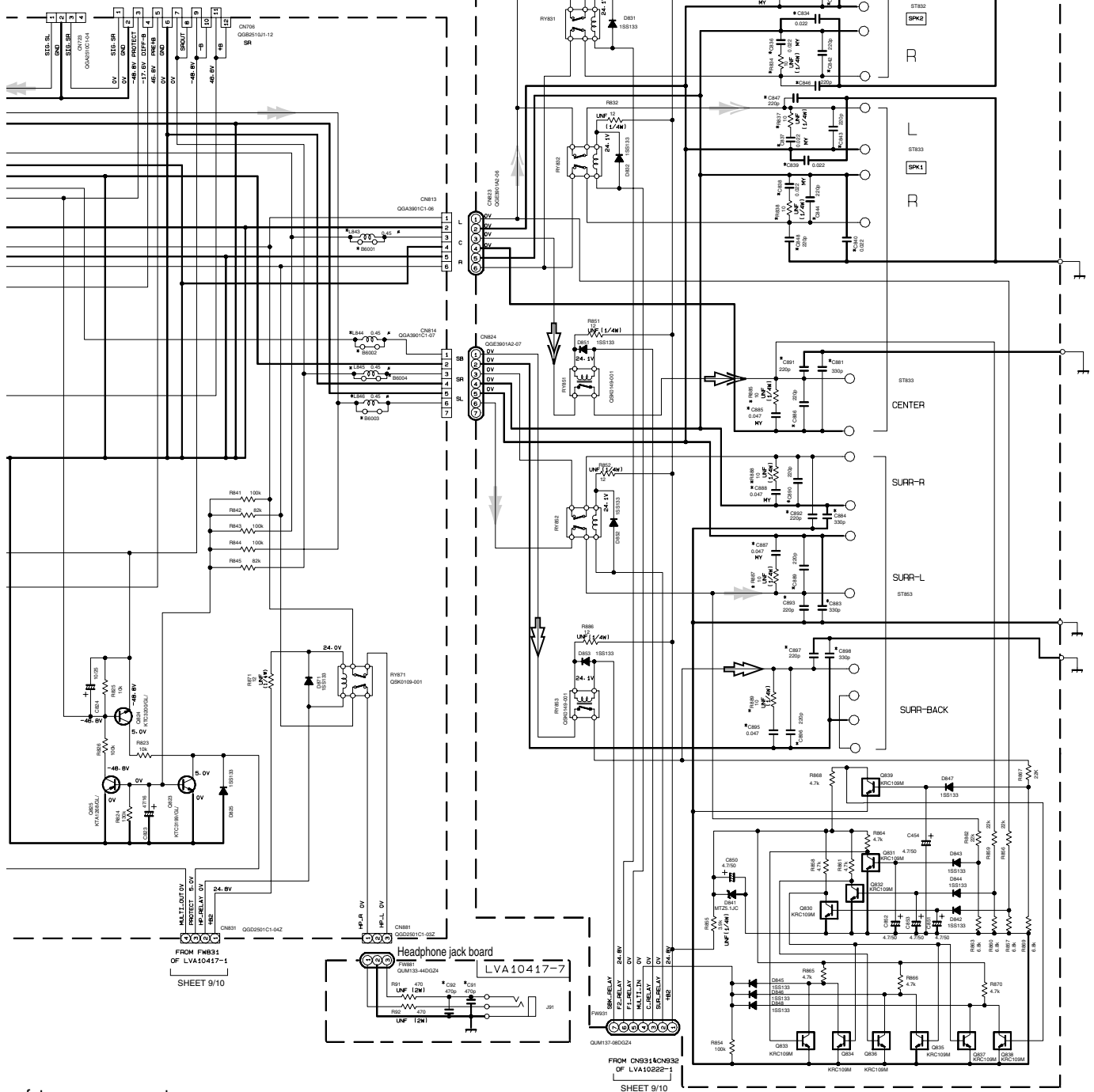
D

Speaker board

LVA10412-2

SHEET 7/10
FROM CN734
OF LVA10415-1

SHEET 4/10
TO CN716
OF LVA10414-6

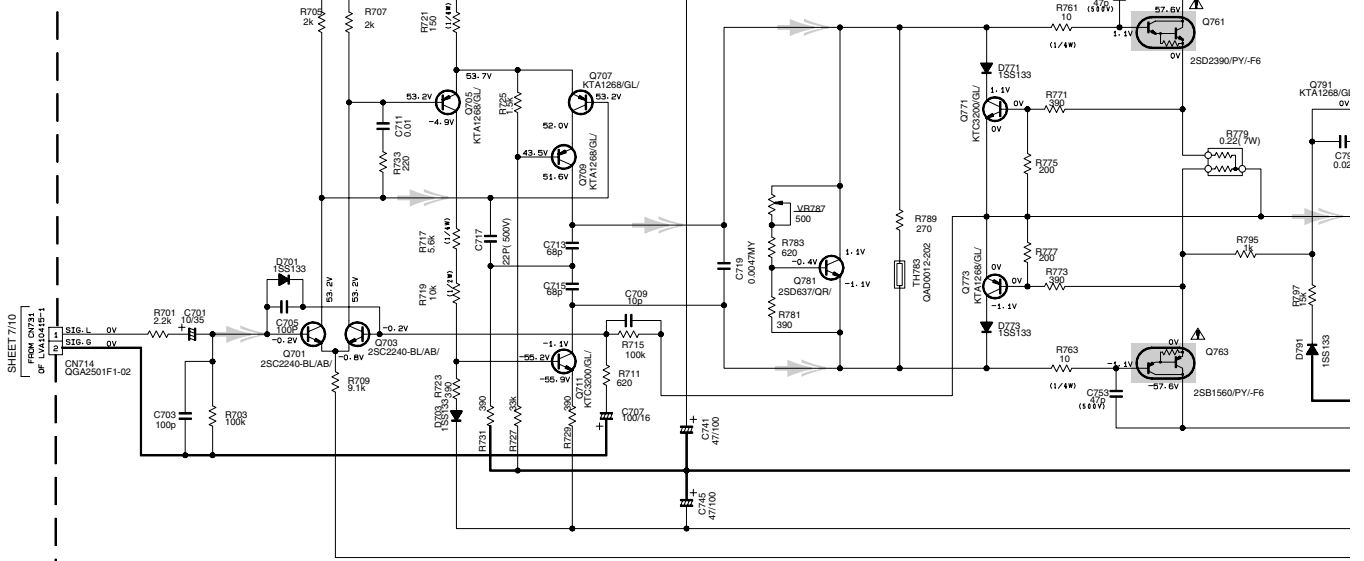


safety assurance parts.
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■ Audio amp. section (1/2)

LVA10414-1

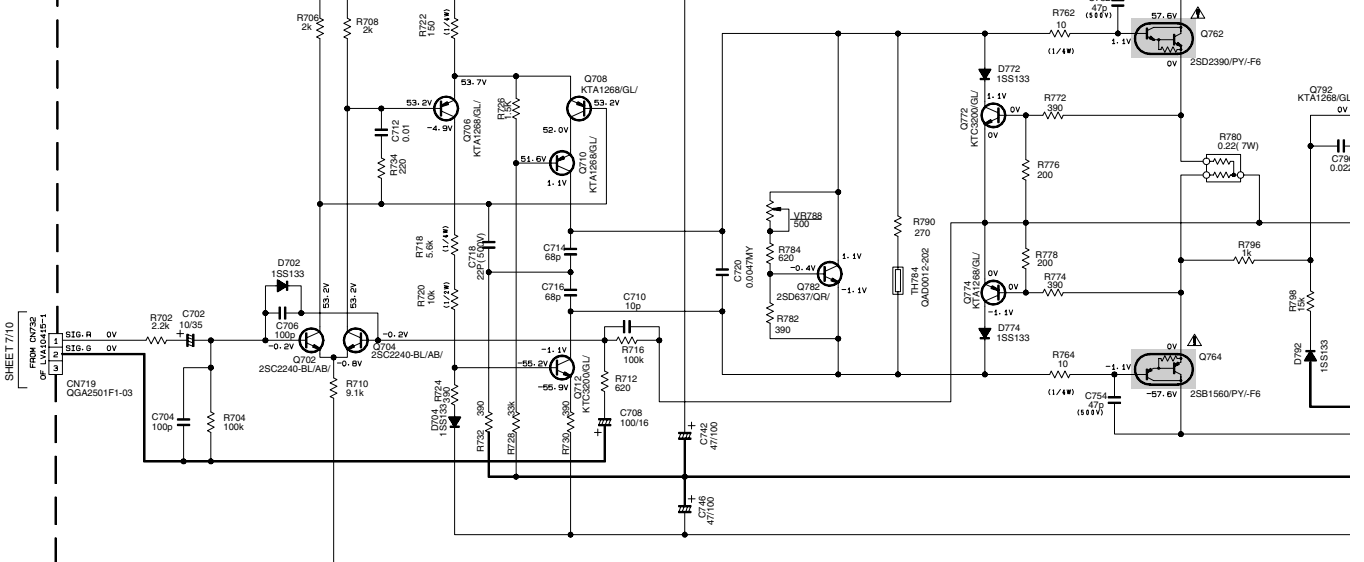
Front board(L)



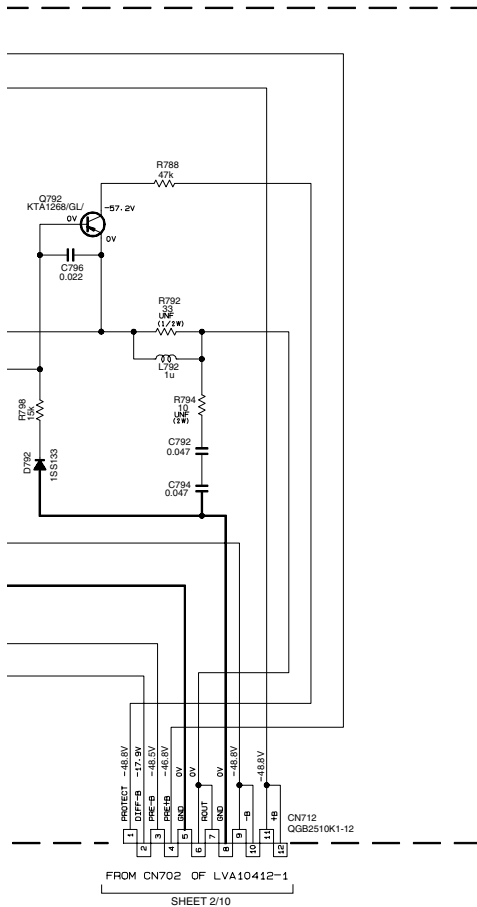
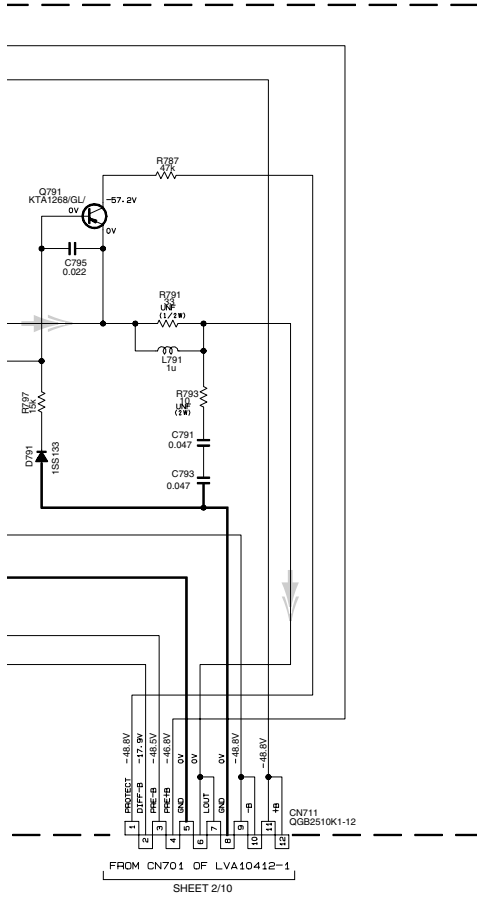
FRONT-L

LVA10414-2

Front board(R)



FRONT-R



➔ FRONT signal

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

■ Audio amp. section (2/2)

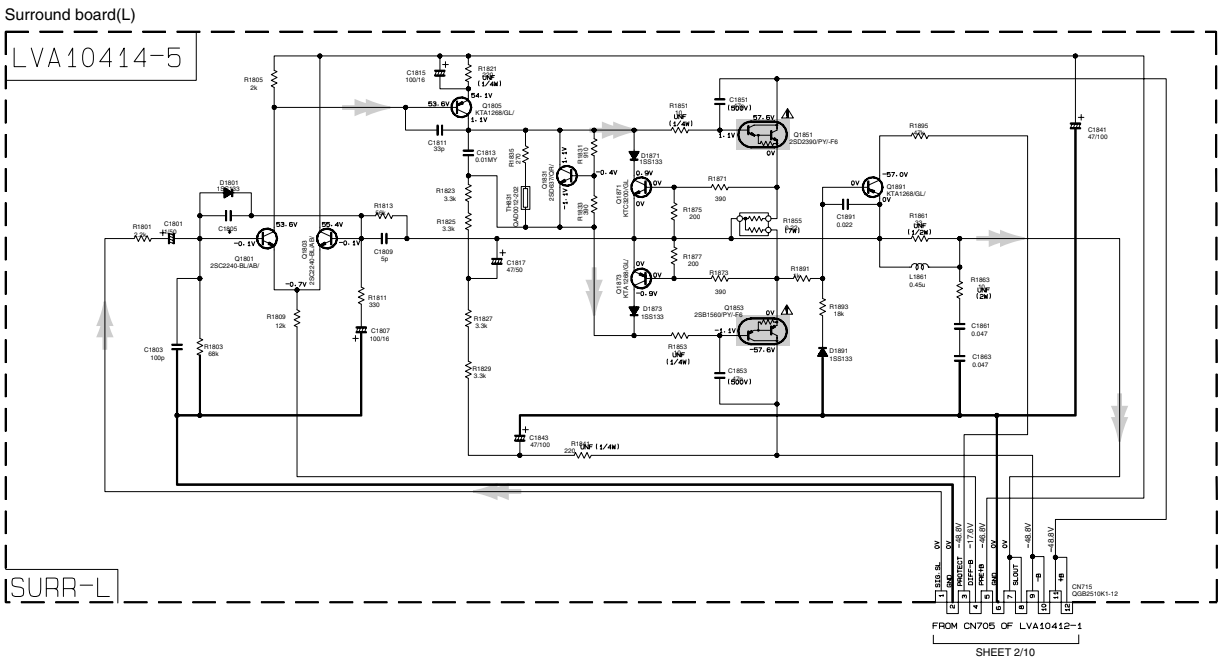
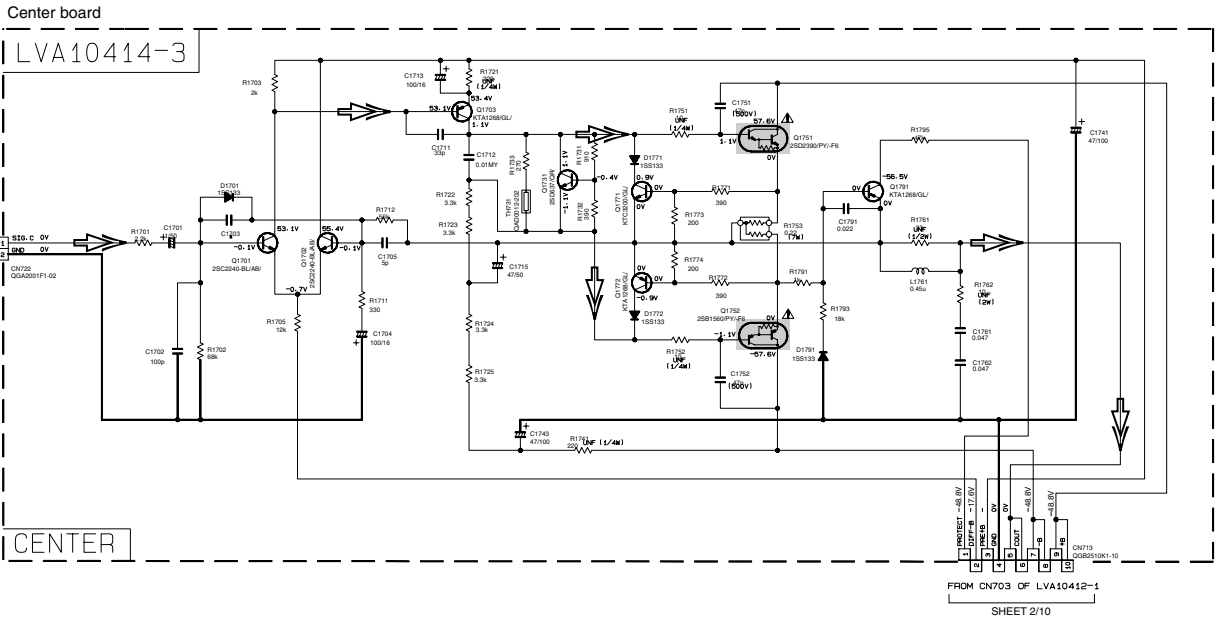
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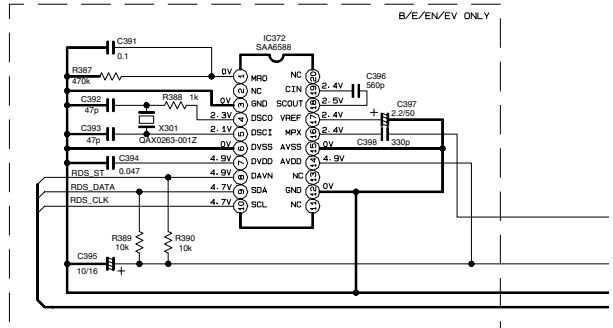
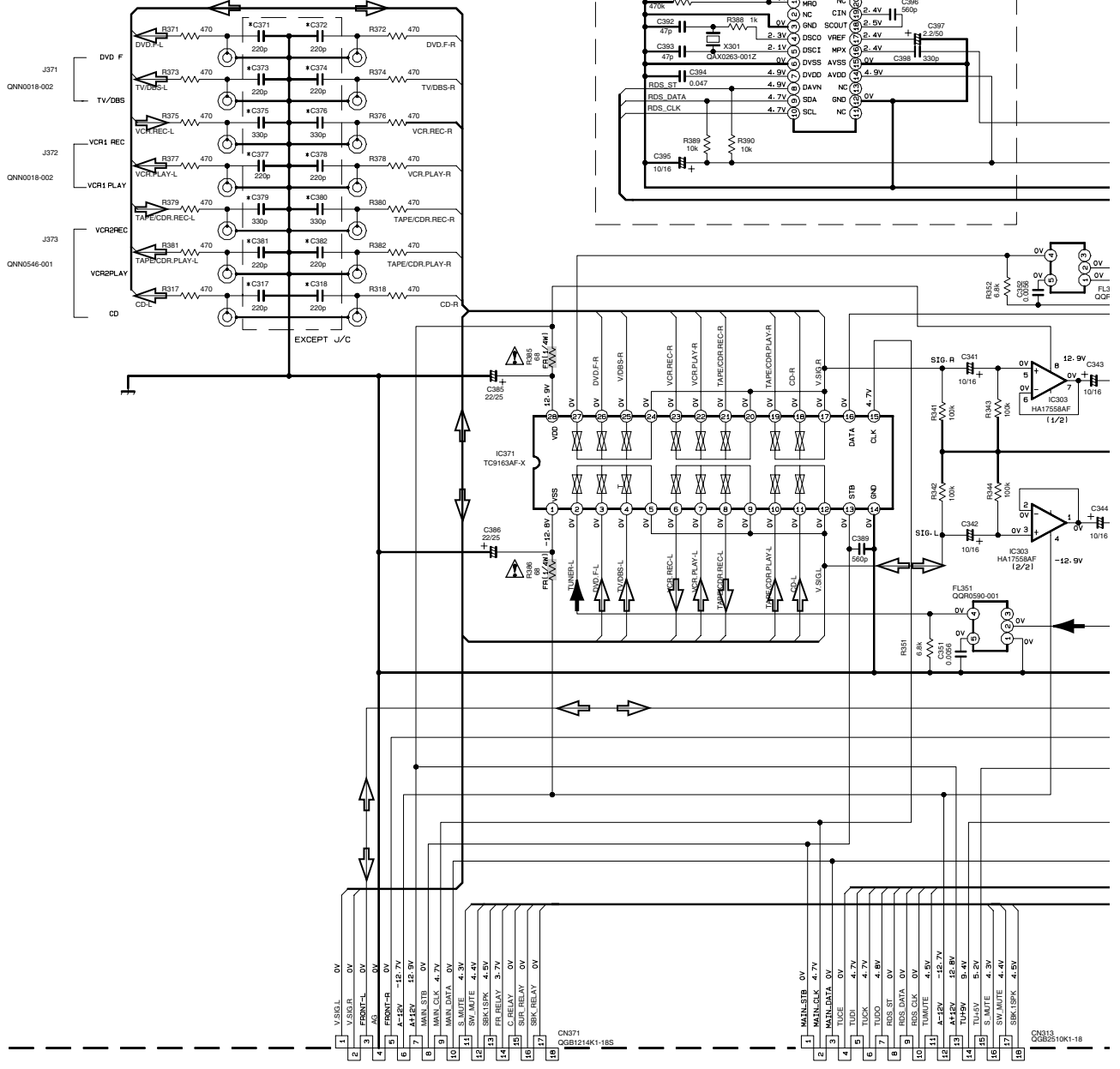
- CENTER signal
- REAR signal
- SURROUND signal

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

■ Audio signal input section

Audio board

LVA10413-5



5
4
3
2
1

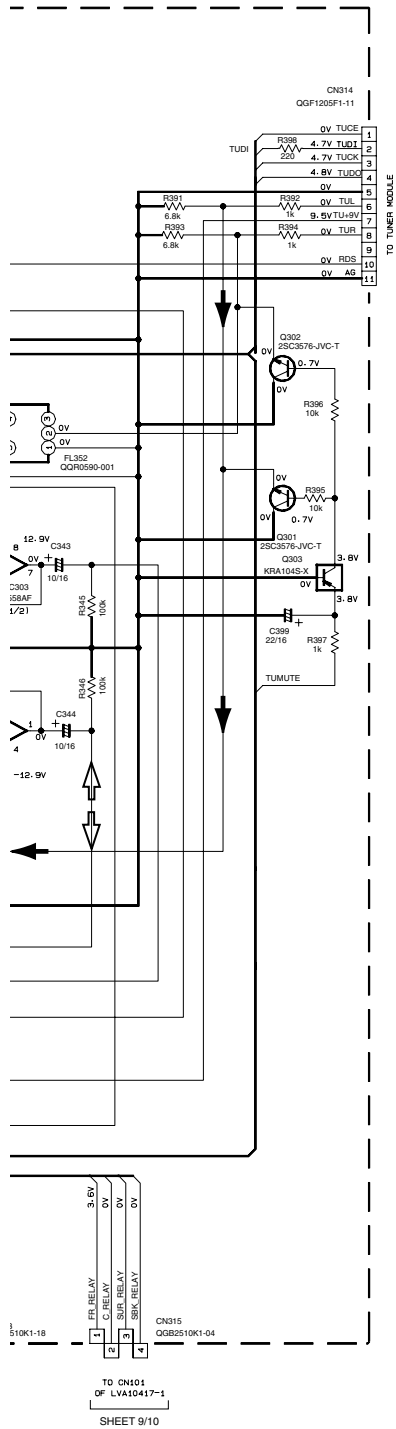
AUDIO I/O		
	J/C	EXCEPT J/C
C317, C318	NONE	USE
C371-C382	NONE	USE

RDS		
	B/E/EN/EV	EXCEPT B/E/EN/EV
IC372	USE	NONE
R387-R390	USE	NONE
C391-C398	USE	NONE
X301	USE	NONE

▷ AUDIO signal
▶ TUNER signal

AUDIO I/O TO CN381 OF LVA10415-1
SHEET 7/10

TO CN303 OF LVA10417-1
SHEET 9/10

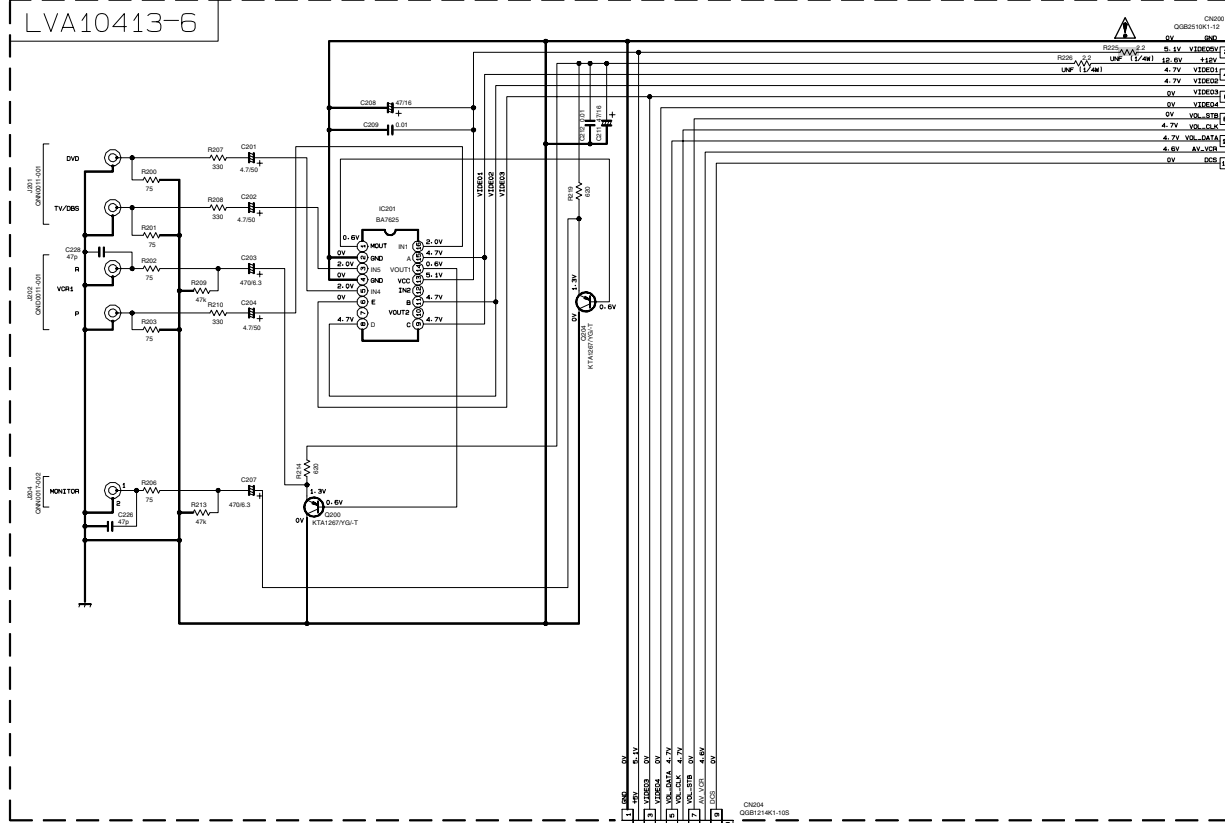


▲ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

Video & S-Video signal input section

Video board

LVA10413-6



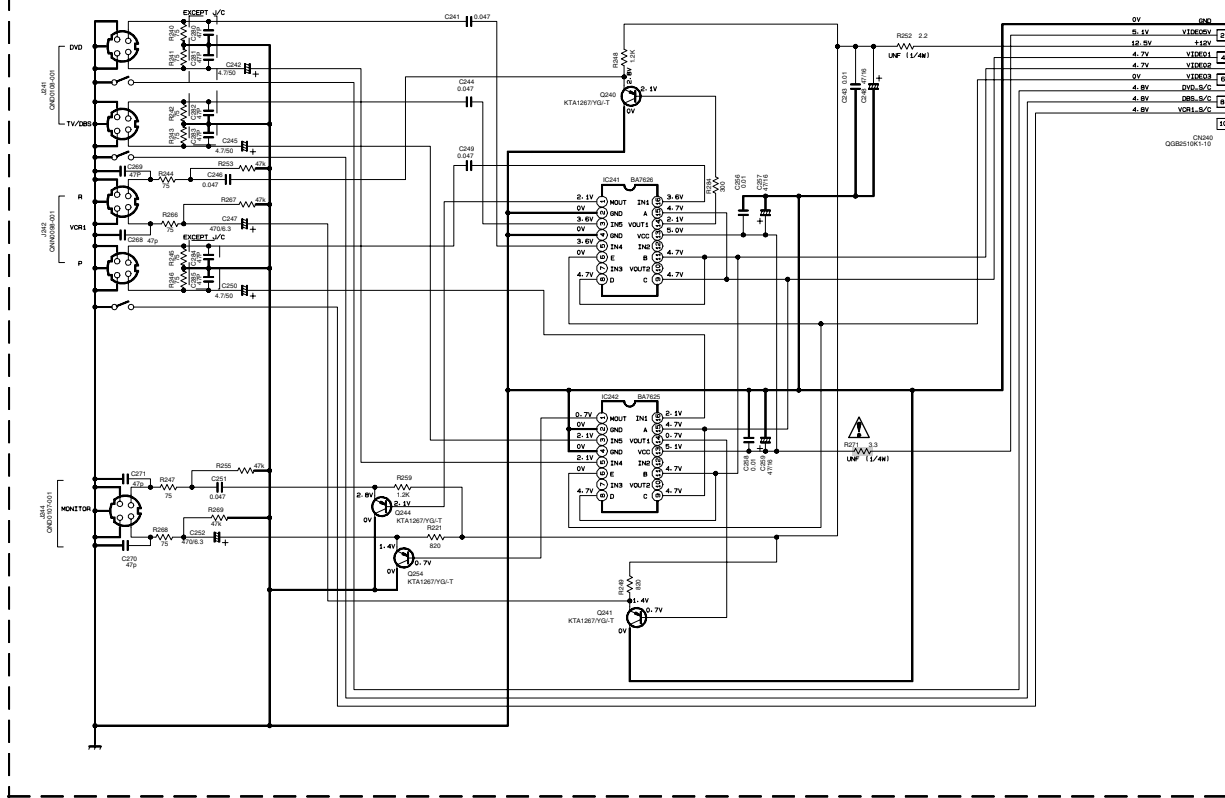
TO CH008 OF LVA10413-1 UNDER NOTHER SHEET 7/10

CH200
028251041-12
R200 2.2 1W V(200) 4.7V VIDEO1 2
R201 2.2 1W V(201) 4.7V VIDEO1 3
R202 2.2 1W V(202) 4.7V VIDEO1 4
R203 2.2 1W V(203) 4.7V VIDEO1 5
R204 2.2 1W V(204) 4.7V VIDEO1 6
R205 2.2 1W V(205) 4.7V VIDEO1 7
R206 2.2 1W V(206) 4.7V VIDEO1 8
R207 2.2 1W V(207) 4.7V VIDEO1 9
R208 2.2 1W V(208) 4.7V VIDEO1 10
R209 2.2 1W V(209) 4.7V VIDEO1 11
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R489 2.2 1W V(489) 4.7V VIDEO1 291
R490 2.2 1W V(490) 4.7V VIDEO1 292
R491 2.2 1W V(491) 4.7V VIDEO1 293
R492 2.2 1W V(492) 4.7V VIDEO1 294
R493 2.2 1W V(493) 4.7V VIDEO1 295
R494 2.2 1W V(494) 4.7V VIDEO1 296
R495 2.2 1W V(495) 4.7V VIDEO1 297
R496 2.2 1W V(496) 4.7V VIDEO1 298
R497 2.2 1W V(497) 4.7V VIDEO1 299
R498 2.2 1W V(498) 4.7V VIDEO1 300
R499 2.2 1W V(499) 4.7V VIDEO1 301
R500 2.2 1W V(500) 4.7V VIDEO1 302
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R502 2.2 1W V(502) 4.7V VIDEO1 304
R503 2.2 1W V(503) 4.7V VIDEO1 305
R504 2.2 1W V(504) 4.7V VIDEO1 306
R505 2.2 1W V(505) 4.7V VIDEO1 307
R506 2.2 1W V(506) 4.7V VIDEO1 308
R507 2.2 1W V(507) 4.7V VIDEO1 309
R508 2.2 1W V(508) 4.7V VIDEO1 310
R509 2.2 1W V(509) 4.7V VIDEO1 311
R510 2.2 1W V(510) 4.7V VIDEO1 312
R511 2.2 1W V(511) 4.7V VIDEO1 313
R512 2.2 1W V(512) 4.7V VIDEO1 314
R513 2.2 1W V(513) 4.7V VIDEO1 315
R514 2.2 1W V(514) 4.7V VIDEO1 316
R515 2.2 1W V(515) 4.7V VIDEO1 317
R516 2.2 1W V(516) 4.7V VIDEO1 318
R517 2.2 1W V(517) 4.7V VIDEO1 319
R518 2.2 1W V(518) 4.7V VIDEO1 320
R519 2.2 1W V(519) 4.7V VIDEO1 321
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R521 2.2 1W V(521) 4.7V VIDEO1 323
R522 2.2 1W V(522) 4.7V VIDEO1 324
R523 2.2 1W V(523) 4.7V VIDEO1 325
R524 2.2 1W V(524) 4.7V VIDEO1 326
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R526 2.2 1W V(526) 4.7V VIDEO1 328
R527 2.2 1W V(527) 4.7V VIDEO1 329
R528 2.2 1W V(528) 4.7V VIDEO1 330
R529 2.2 1W V(529) 4.7V VIDEO1 331
R530 2.2 1W V(530) 4.7V VIDEO1 332
R531 2.2 1W V(531) 4.7V VIDEO1 333
R532 2.2 1W V(532) 4.7V VIDEO1 334
R533 2.2 1W V(533) 4.7V VIDEO1 335
R534 2.2 1W V(534) 4.7V VIDEO1 336
R535 2.2 1W V(535) 4.7V VIDEO1 337
R536 2.2 1W V(536) 4.7V VIDEO1 338
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R539 2.2 1W V(539) 4.7V VIDEO1 341
R540 2.2 1W V(540) 4.7V VIDEO1 342
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R542 2.2 1W V(542) 4.7V VIDEO1 344
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R544 2.2 1W V(544) 4.7V VIDEO1 346
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R565 2.2 1W V(565) 4.7V VIDEO1 367
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R567 2.2 1W V(567) 4.7V VIDEO1 369
R568 2.2 1W V(568) 4.7V VIDEO1 370
R569 2.2 1W V(569) 4.7V VIDEO1 371
R570 2.2 1W V(570) 4.7V VIDEO1 372
R571 2.2 1W V(571) 4.7V VIDEO1 373
R572 2.2 1W V(572) 4.7V VIDEO1 374
R573 2.2 1W V(573) 4.7V VIDEO1 375
R574 2.2 1W V(574) 4.7V VIDEO1 376
R575 2.2 1W V(575) 4.7V VIDEO1 377
R576 2.2 1W V(576) 4.7V VIDEO1 378
R577 2.2 1W V(577) 4.7V VIDEO1 379
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R585 2.2 1W V(585) 4.7V VIDEO1 387
R586 2.2 1W V(586) 4.7V VIDEO1 388
R587 2.2 1W V(587) 4.7V VIDEO1 389
R588 2.2 1W V(588) 4.7V VIDEO1 390
R589 2.2 1W V(589) 4.7V VIDEO1 391
R590 2.2 1W V(590) 4.7V VIDEO1 392
R591 2.2 1W V(591) 4.7V VIDEO1 393
R592 2.

S-Video board

LVA10413-7

SHEET 9/10

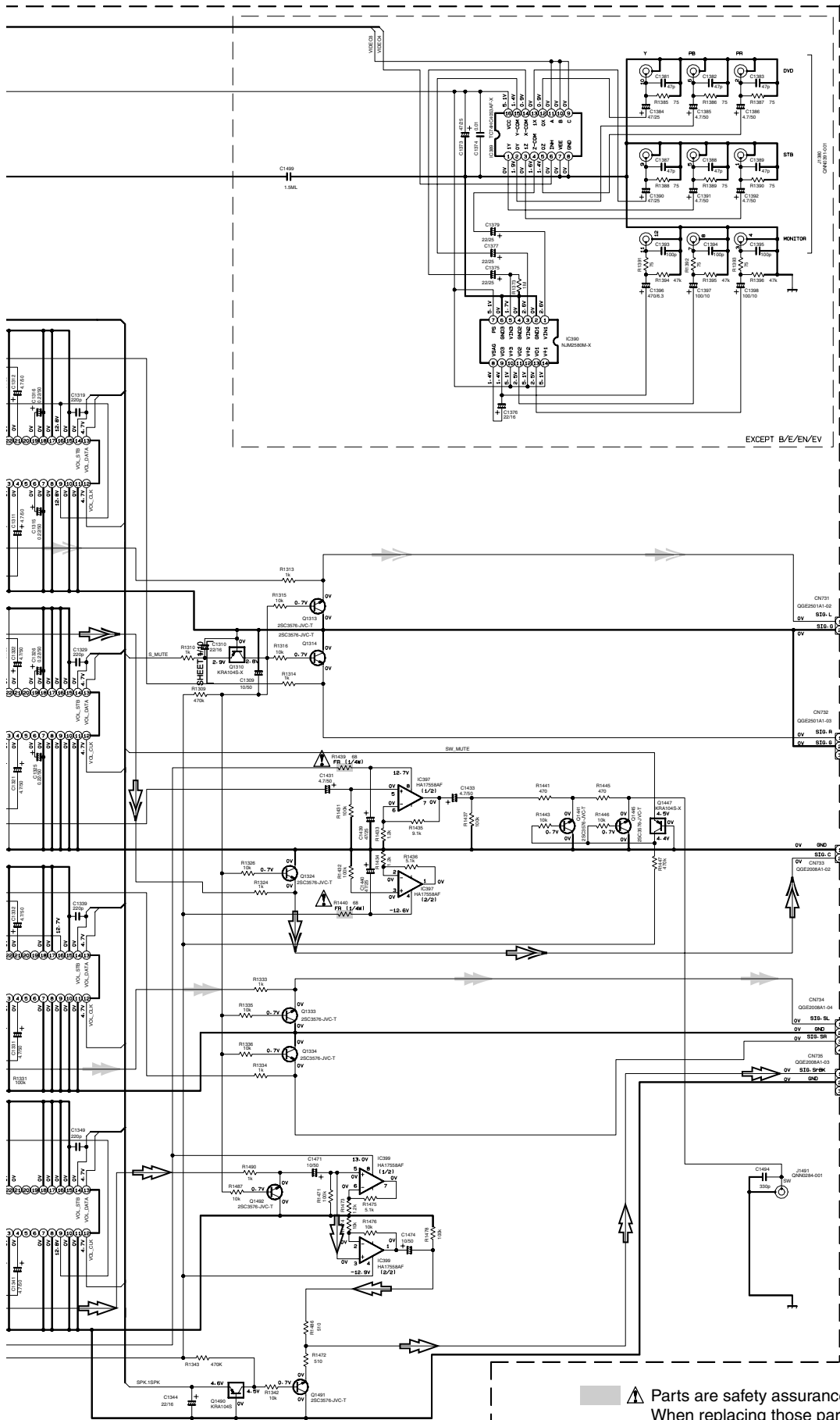


FROM CN241 OF LVA10413-1

SHEET 9/10

	J/C	EXCEPT J/C
C200-C205	NONE	USE

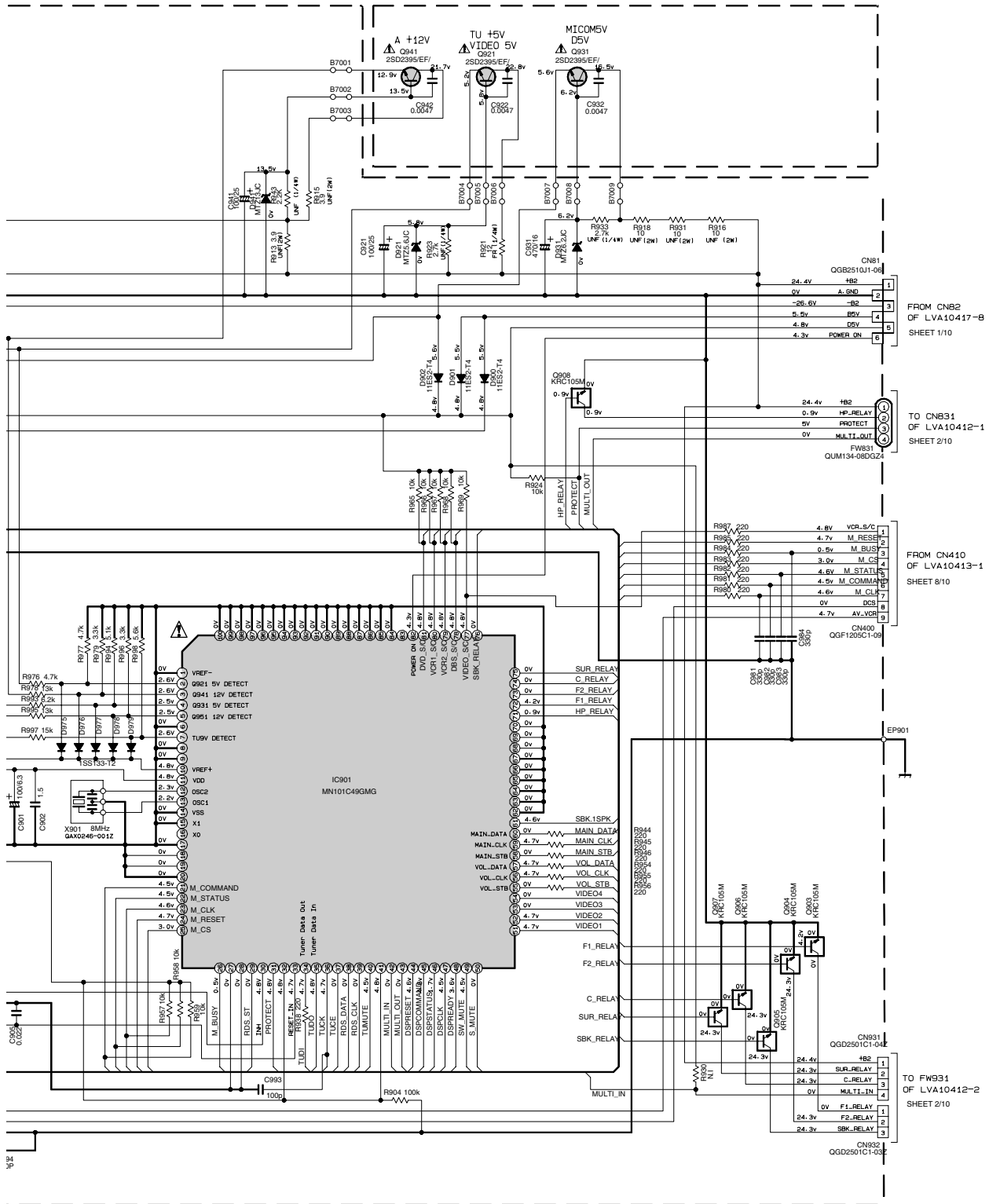
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



EXCEPT B/E/BEV/EV

- AUDIO signal
- FRONT signal
- CENTER signal
- REAR signal
- SURROUND signal

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



#MARK

J/C	U/S/UP/A	B/E/VE/EV
R999	USE	NONE
R934	NONE	USE
R935	NONE	USE
R936	NONE	USE

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

FROM CNB2 OF LVA10417-B SHEET 1/10

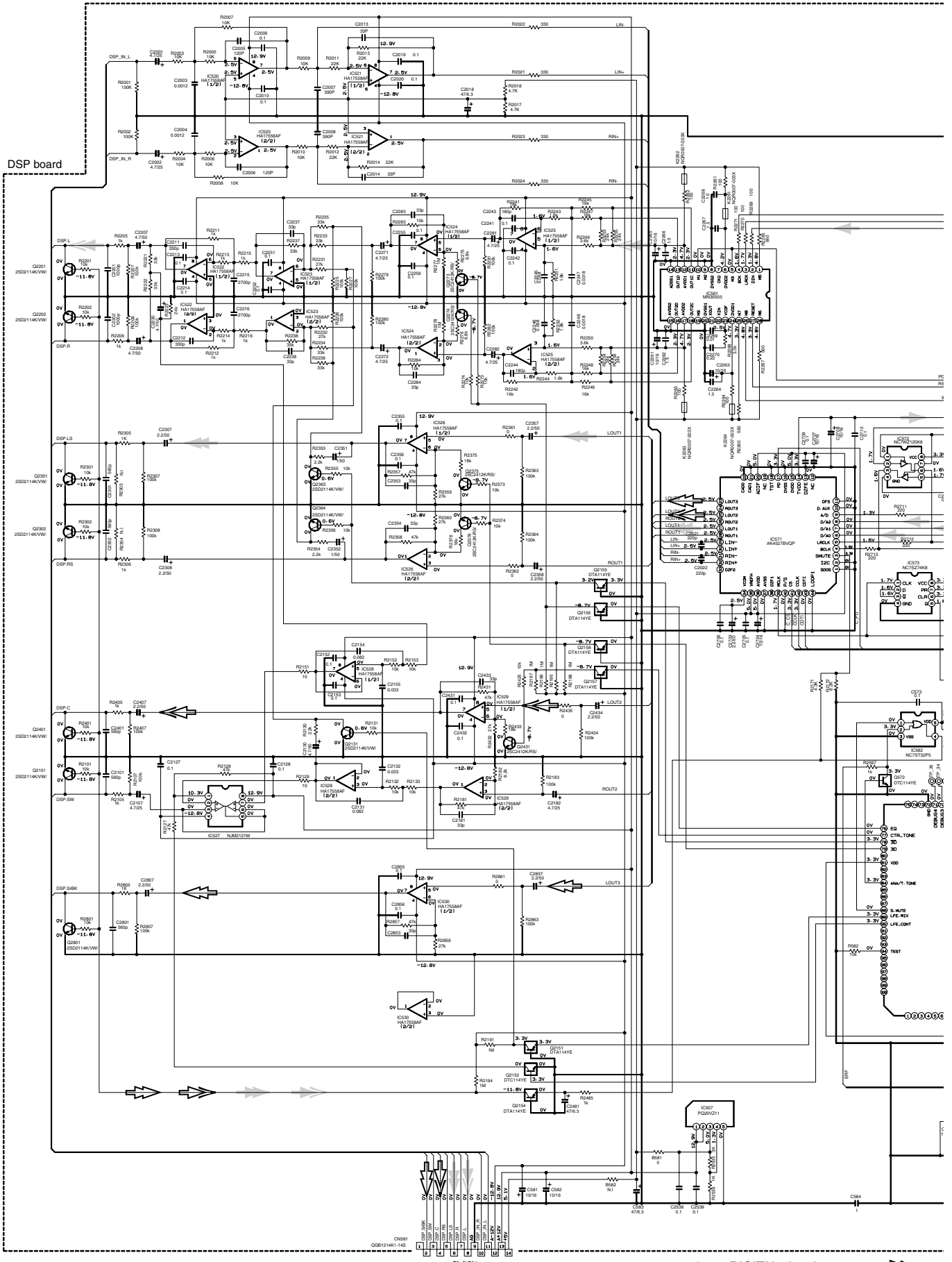
TO CNB31 OF LVA10412-1 SHEET 2/10

FROM CN410 OF LVA10413-1 SHEET 8/10

TO FW931 OF LVA10412-2 SHEET 2/10

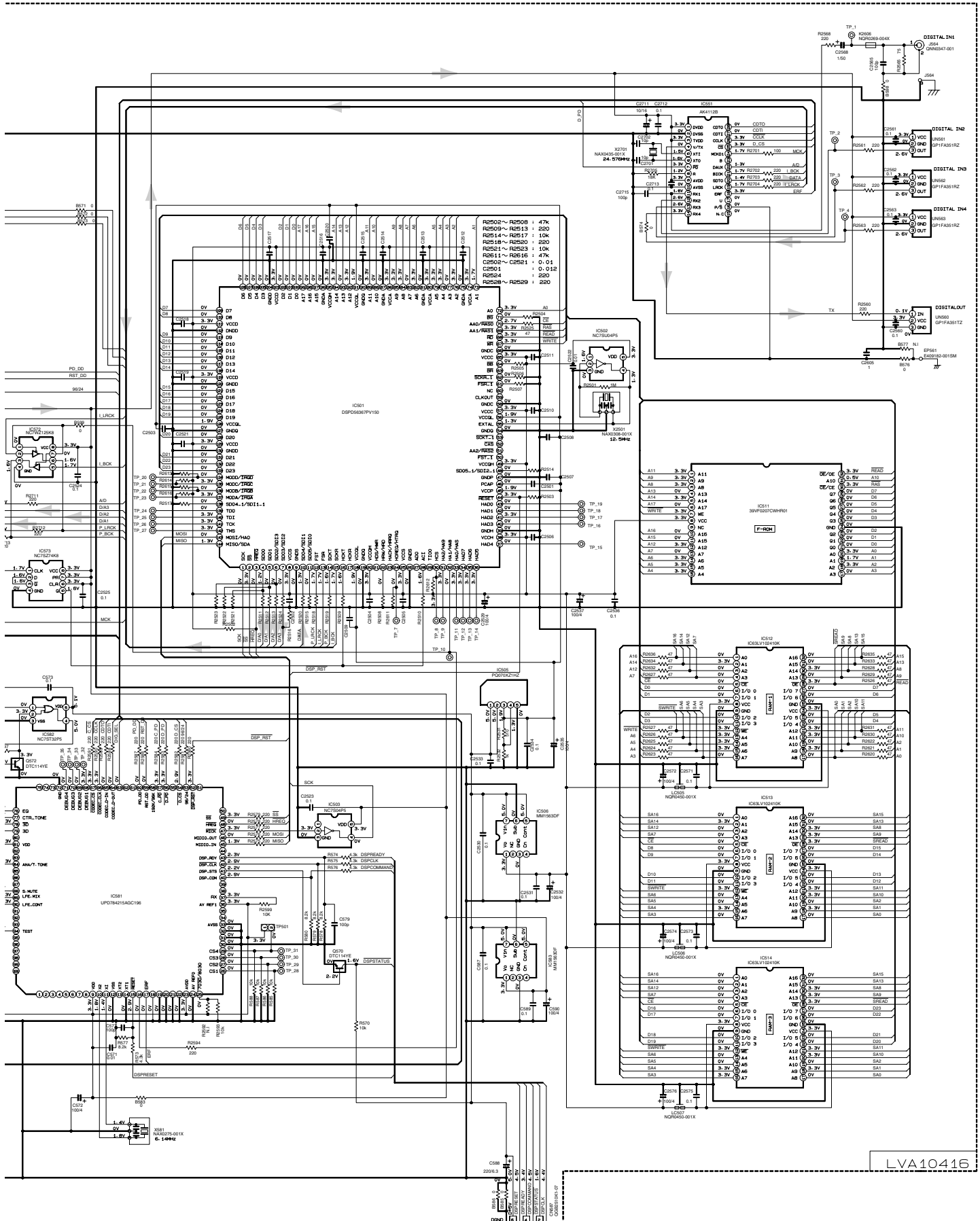
DSP section

5
4
3
2
1

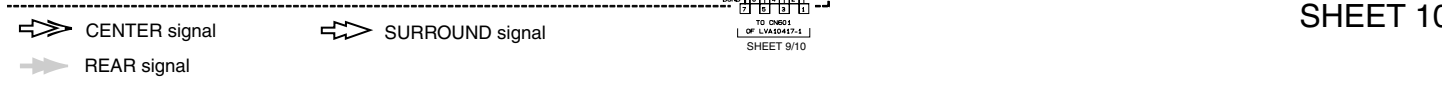


TO CH01
OF LVA049-1
SHEET 7/10

- ➡ DIGITAL signal
- ➡➡ FRONT signal
- ⏏ CE
- ➡➡ RE



LVA10416



Printed circuit boards

■ Main board

(Speaker board)

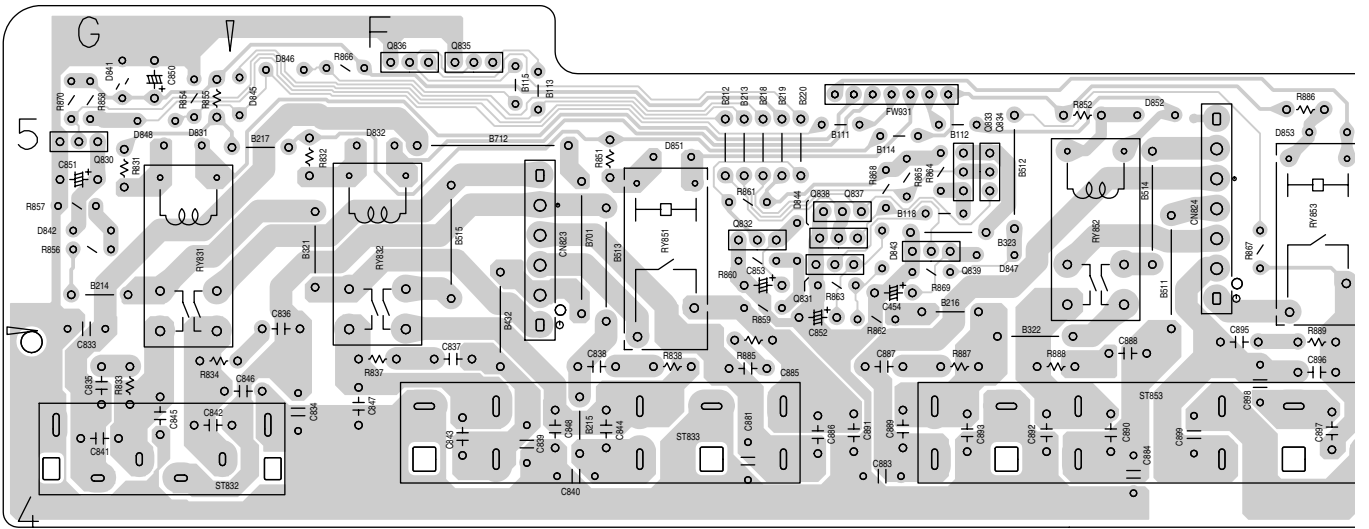
5

4

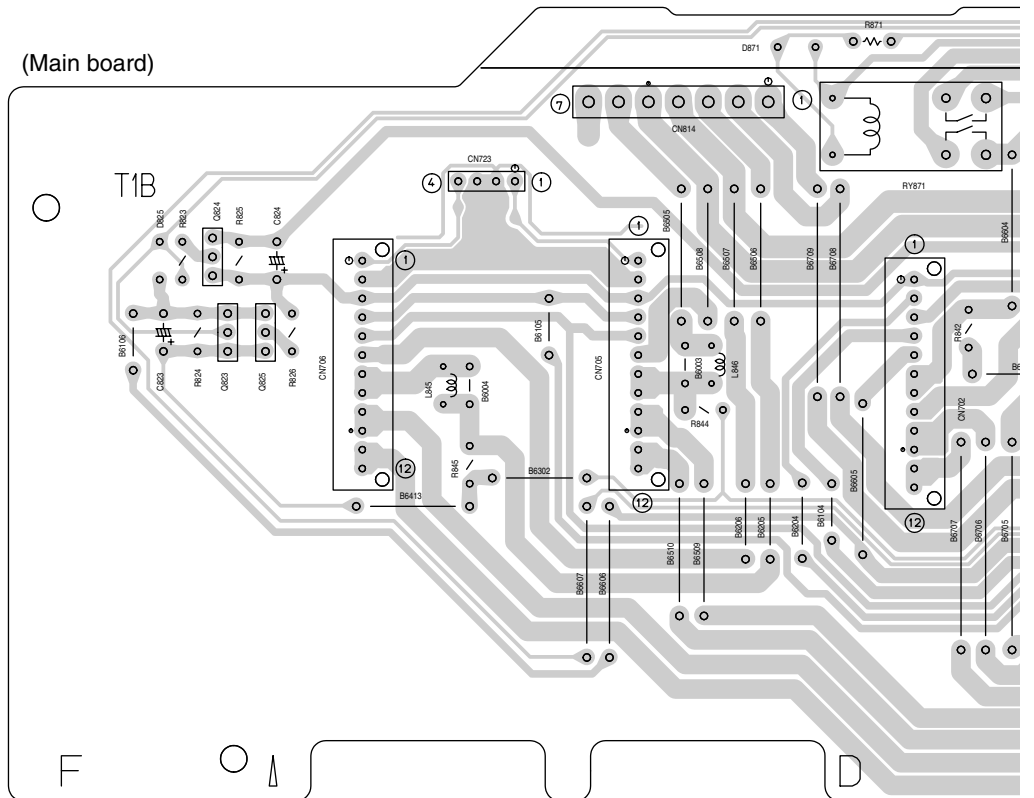
3

2

1



(Main board)



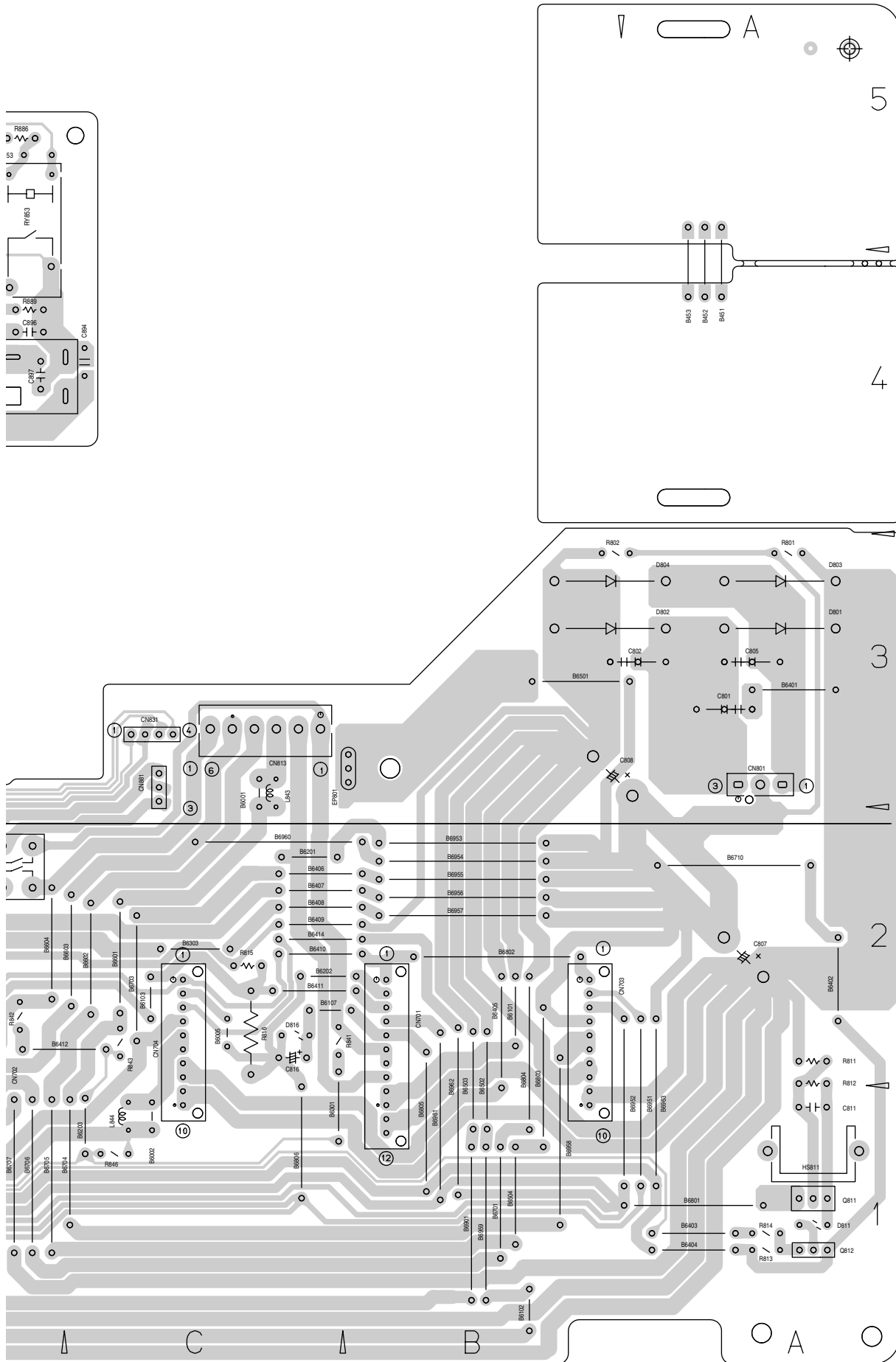
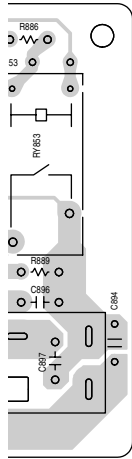
2-24

A

B

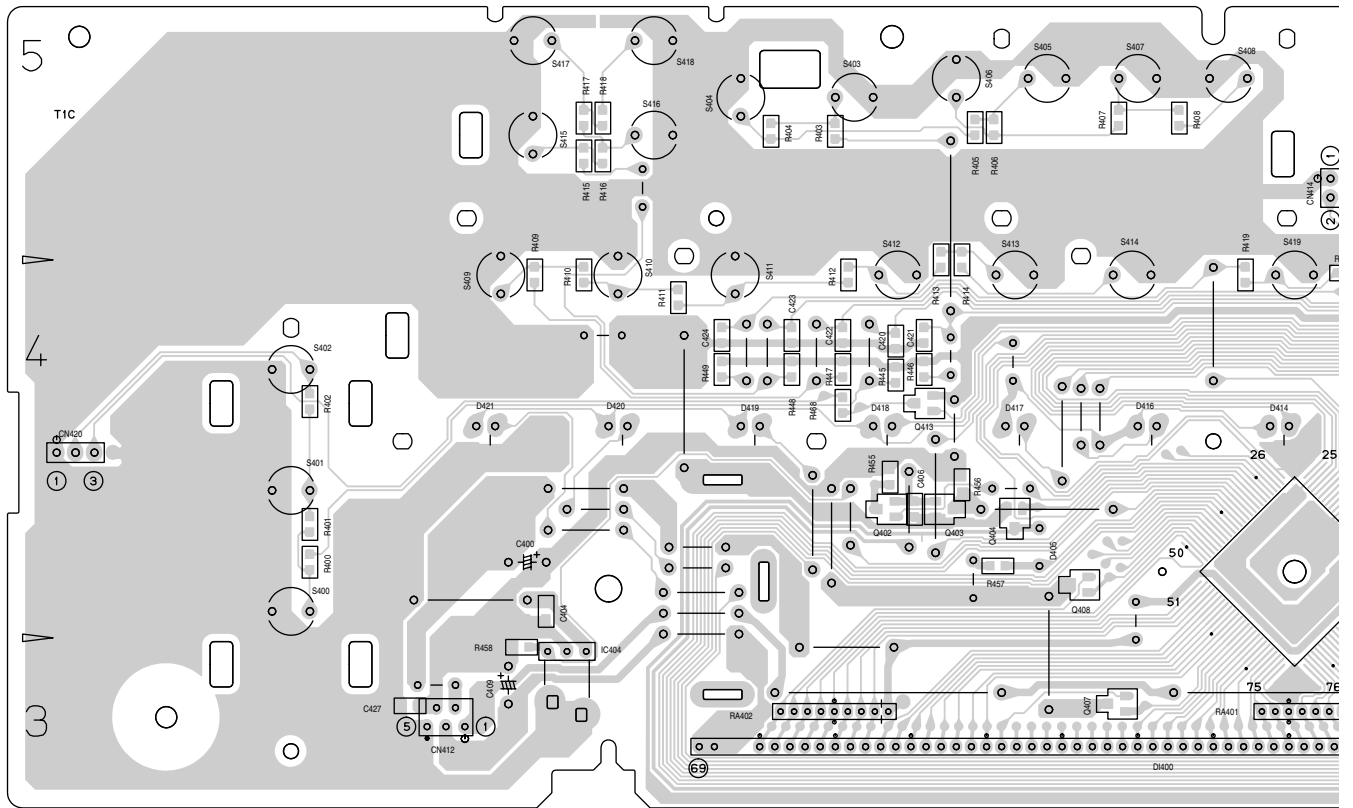
C

D

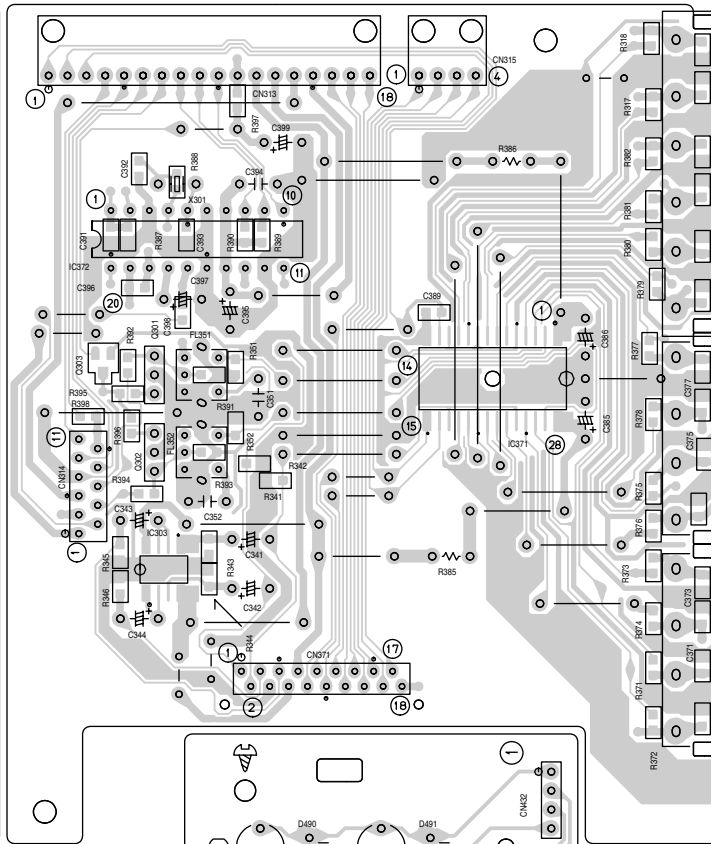
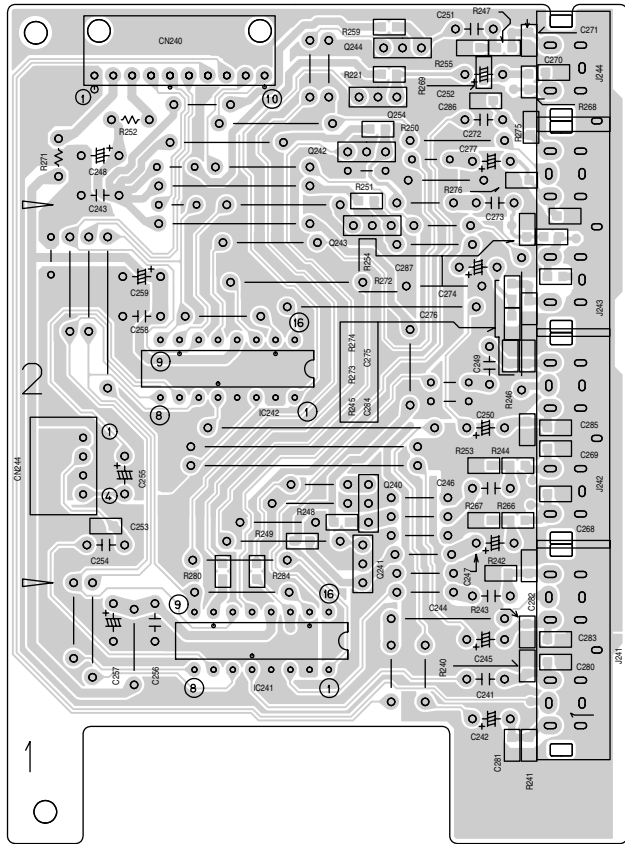


■ Front board

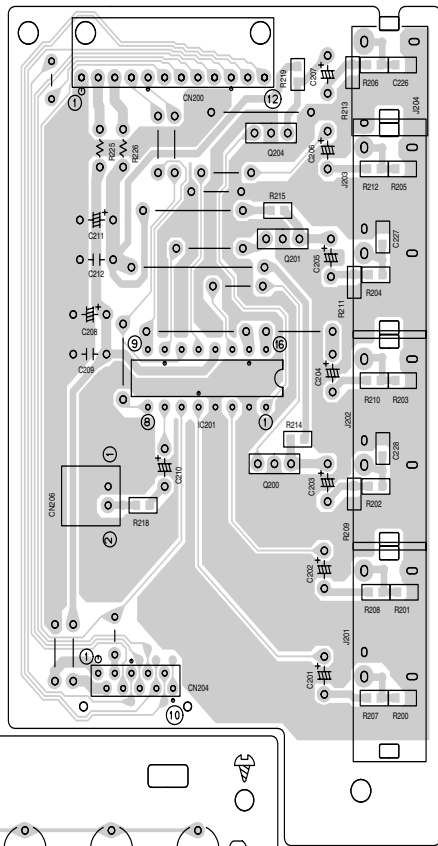
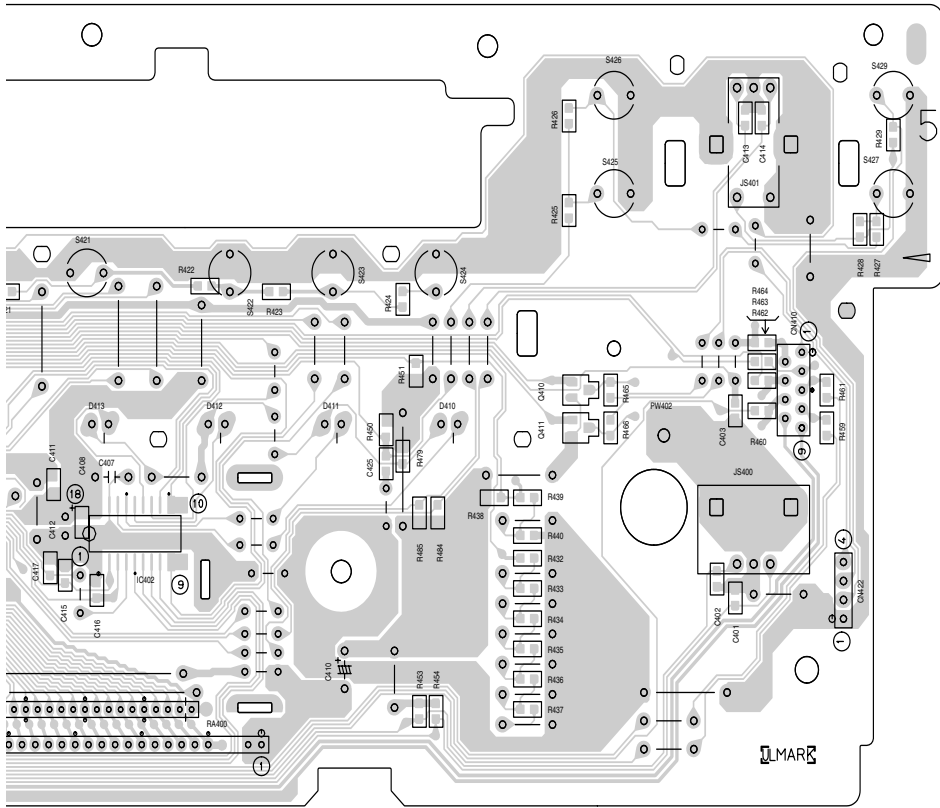
(Front key & System control board)



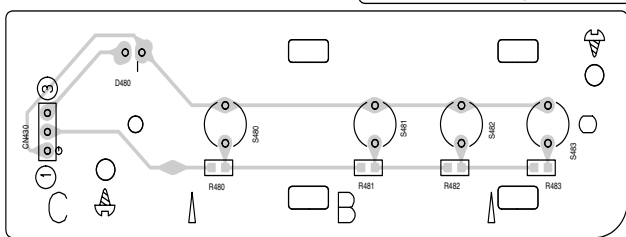
(S-Video board)



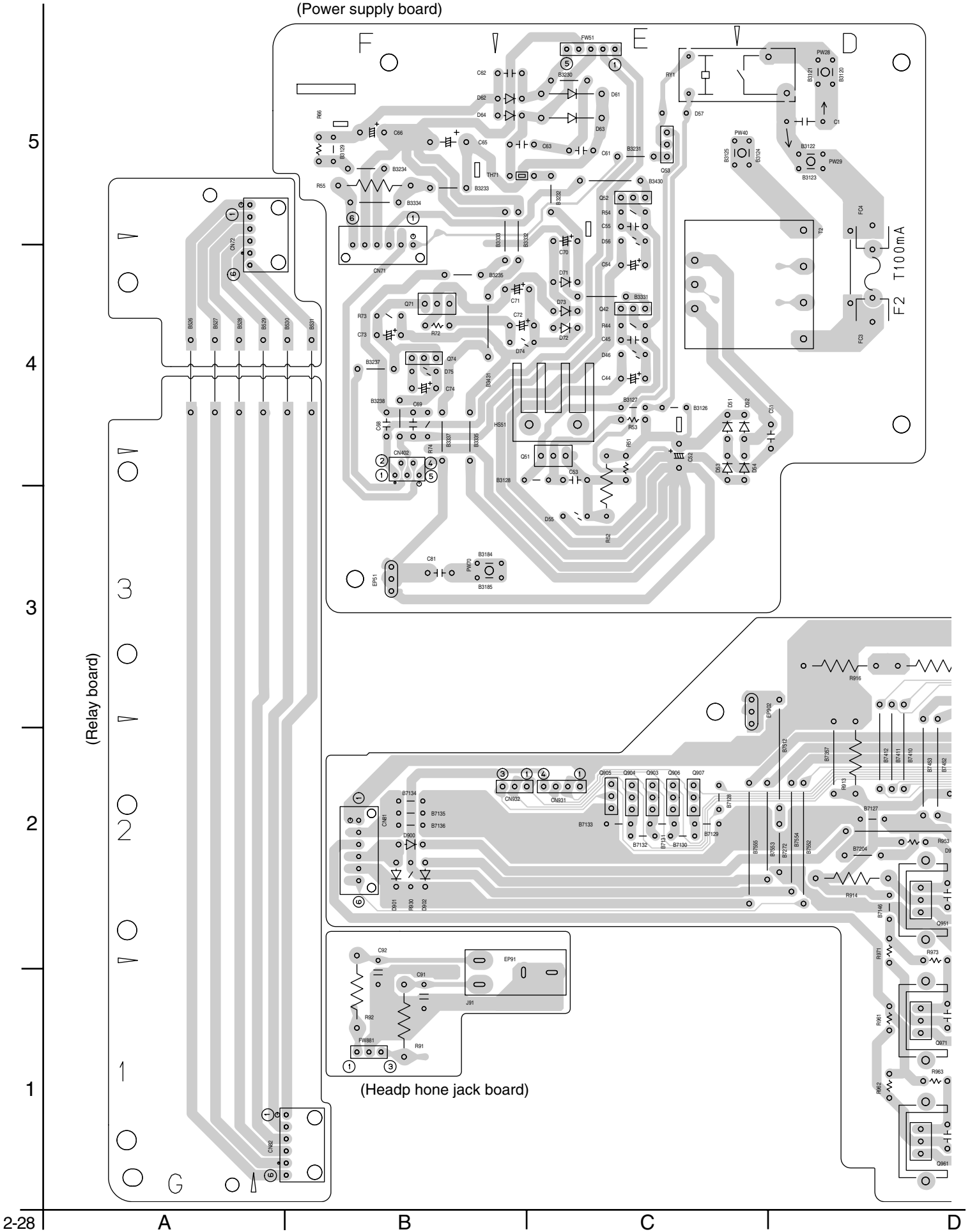
(Switch board)



(Video board)

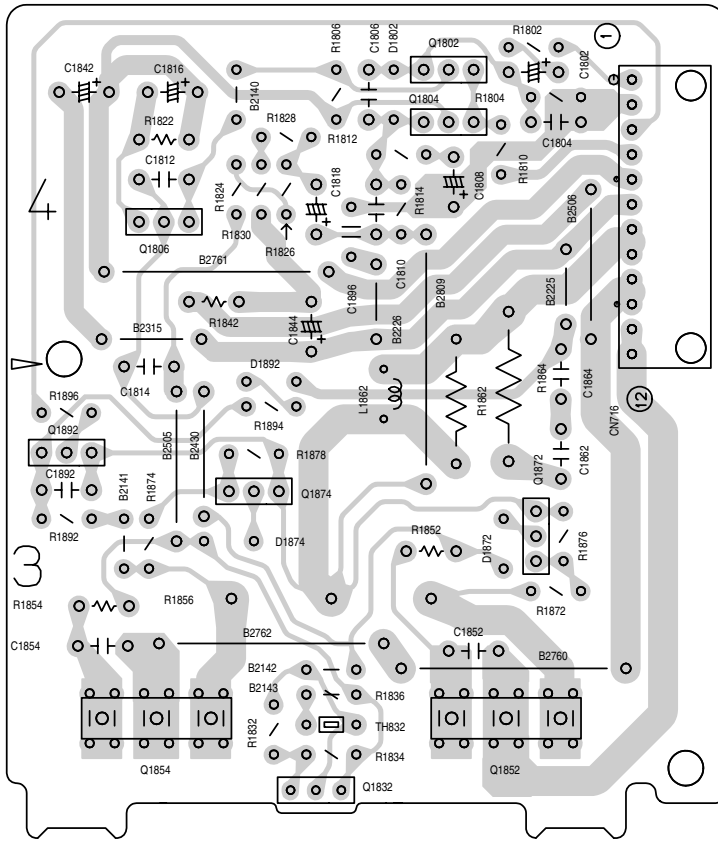


(Power switch board)

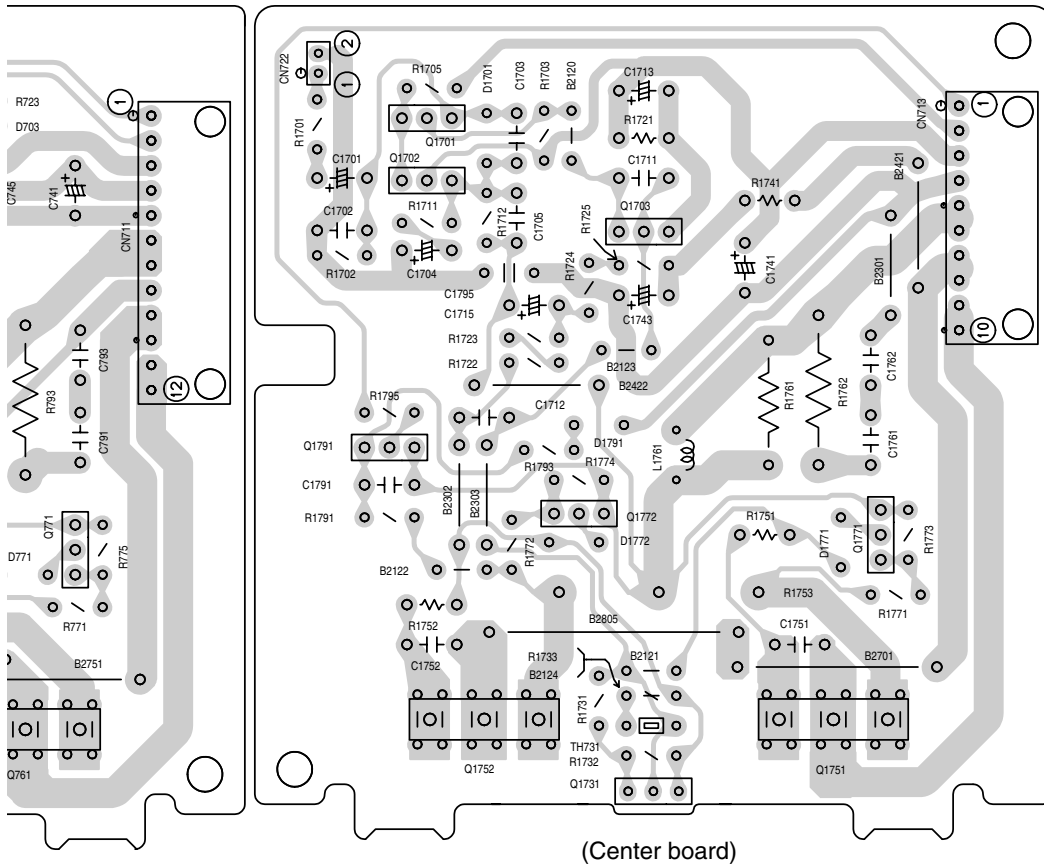
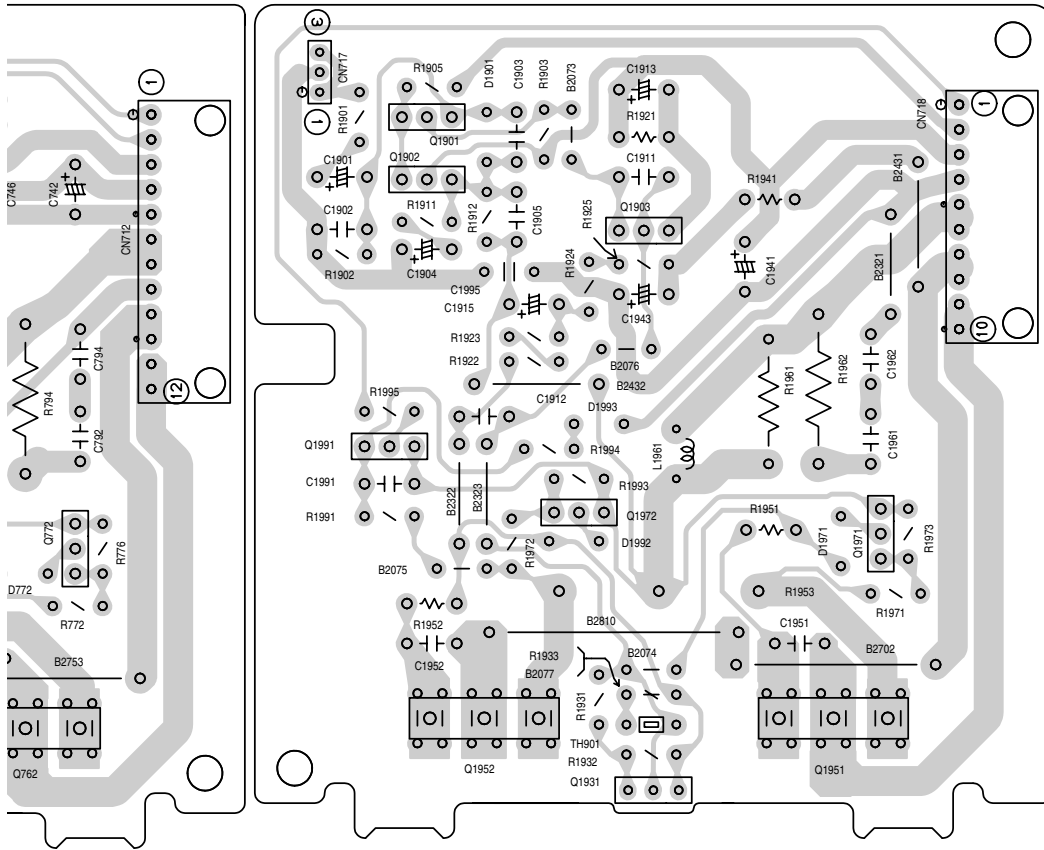


■ Power board

(Surround board [R])



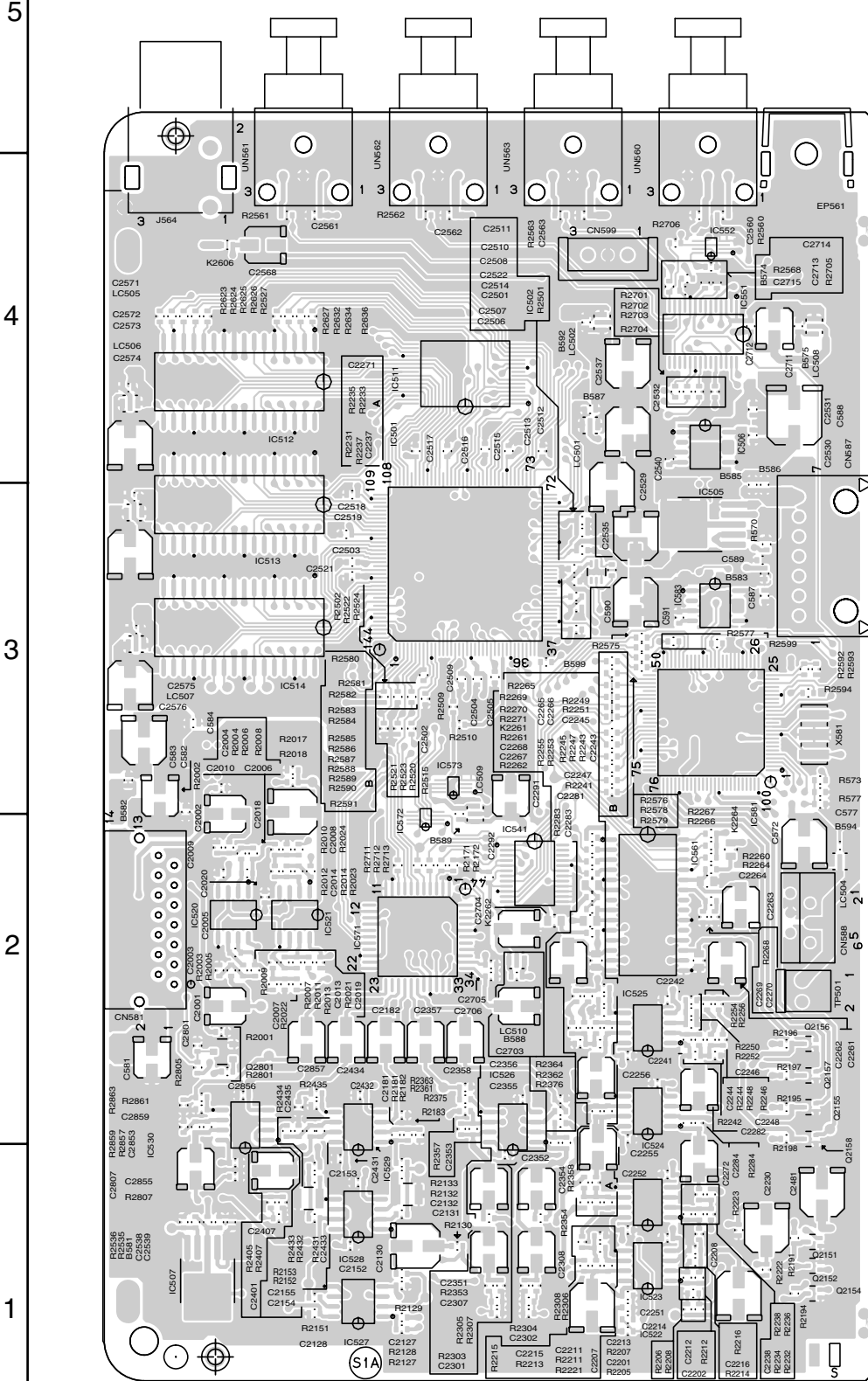
(Surround back board)



(Center board)

■ DSP board

Forward side



RX-7030VBK

JVC

VICTOR COMPANY OF JAPAN, LIMITED

AV & MULTIMEDIA COMPANY 10-1, 1Chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.22058SCH)



Printed in Japan
2003/05

PARTS LIST

[RX-7030VBK]

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

Area suffix

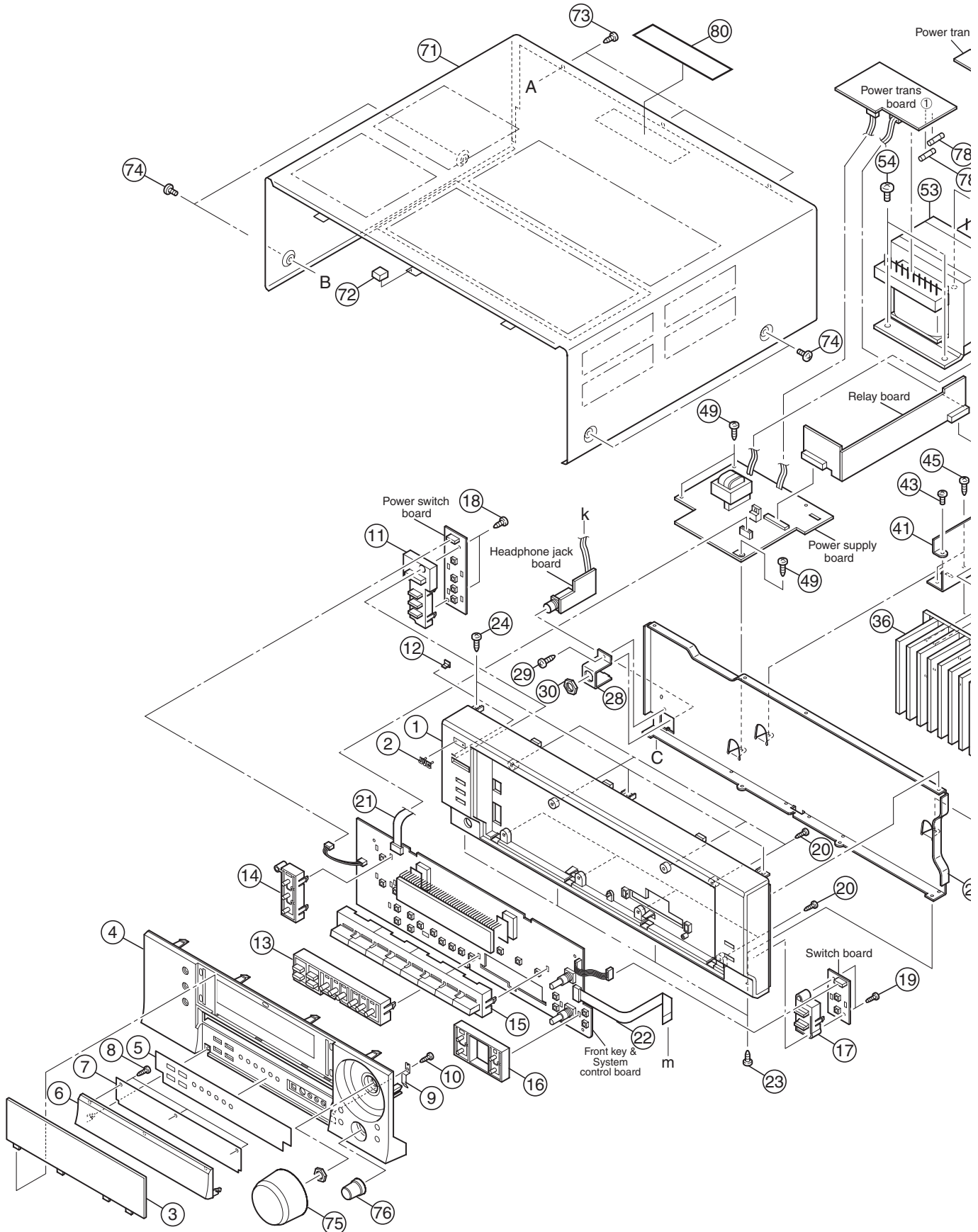
J ----- U.S.A.
C ----- Canada

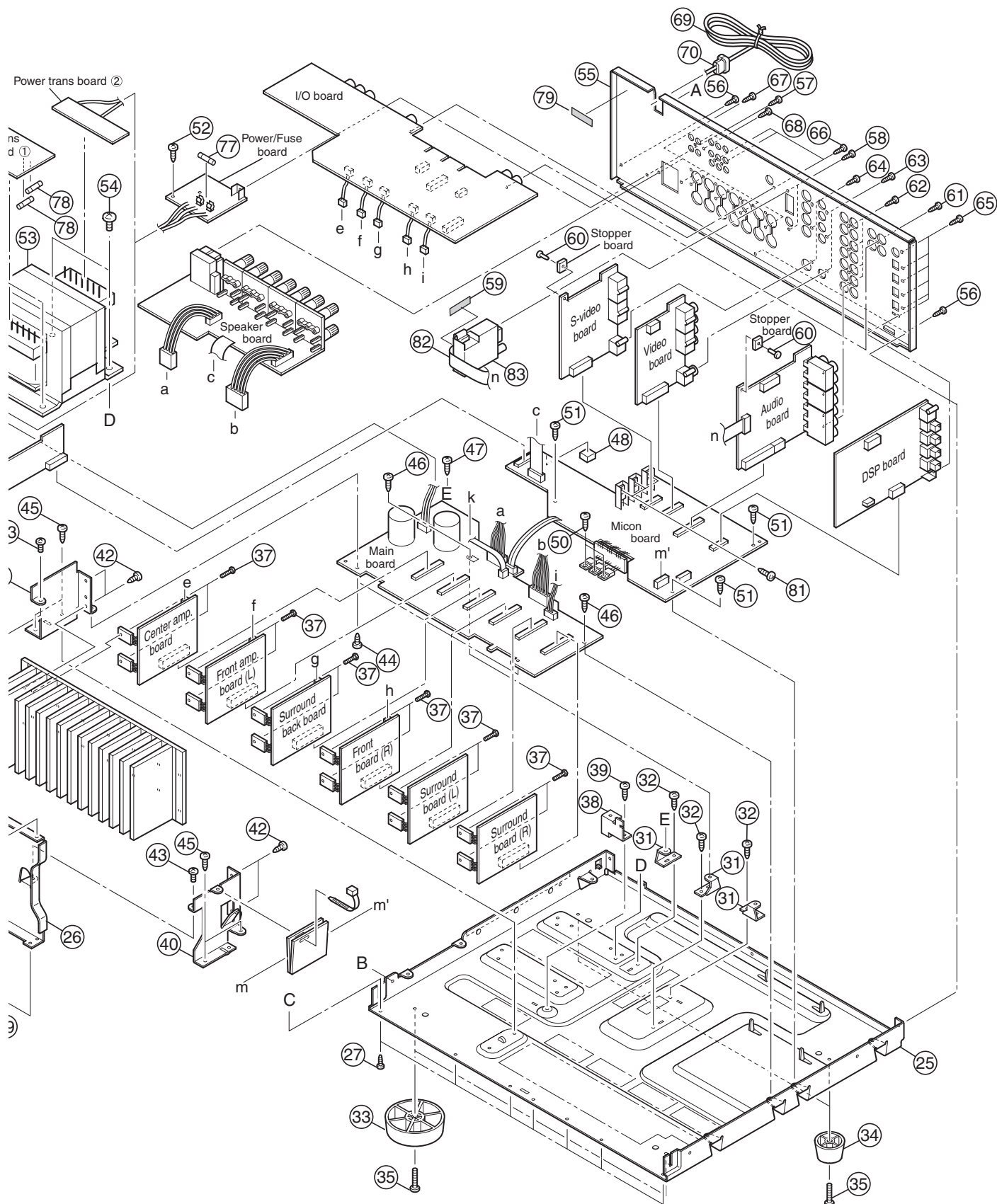
- Contents -

Exploded view of general assembly and parts list (Block No.M1)	3- 2
Electrical parts list (Block No.01~06)	3- 5
Packing materials and accessories parts list (Block No.M3)	3-17

Exploded view of general assembly and parts list

Block No. **M 1 M M**





General assembly

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

△ Symbol No.	Part No.	Part Name	Description	Local
1	LV10469-015A	FRONT PANEL		
2	LV43338-001A	JVC MARK		
3	LV21438-001A	LENS		
4	LV10767-001A	SUB PANEL		
5	LV34032-001A	CONTROL PLATE		
6	LV21437-001A	SEALING DOOR		
7	LV34086-001A	DOOR COVER		
8	QYSPSGU2030M	SCREW	2mm x 3mm(x3)	
9	LV43357-001A	DOOR SPRING		
10	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm	
11	LV20939-003A	PUSH BUTTON		
12	LV42096-001A	INDICATOR		
13	LV21442-001A	P.BUTTON(TUNER)		
14	LV21439-001A	P.BUTTON(DSP)		
15	LV21440-001A	P.BUTTON(SOURCE)		
16	LV21443-001A	P.BUTTON(ADJUST)		
17	LV32486-001A	P.BUTTON ASSY		
18	QYSBSF2610Z	SCREW	2.6mm x 10mm(x2)	
19	QYSBSF2610Z	SCREW	2.6mm x 10mm(x2)	
20	QYSBSF2610Z	SCREW	2.6mm x 10mm(x8)	
21	QUQ412-0517CJ	FFC WIRE		
22	QUQ412-0930DJ	FFC WIRE		
23	QYSDSG3006Z	SCREW	3mm x 6mm(x4)	
24	QYSBSG3006Z	TAP SCREW	3mm x 6mm(x3)	
25	LV10019-006A	CHASSIS BASE		
26	LV10471-002A	FRONT BRACKET		
27	QYSDSG3006Z	SCREW	3mm x 6mm(x7)	
28	LV42094-003A	H.P BKT		
29	QYSBSG3006Z	TAP SCREW	3mm x 6mm	
30	VKZ4150-001	SPECIAL NUT		
31	E68587-223SM	CB BKT	(x3)	
32	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x3)	
33	QZF6018-001	FOOT	(x2)	
34	E47227-036	FOOT	(x2)	
35	QYSBST3010Z	TAPPING SCREW	3mm x 10mm(x4)	
36	LV21444-001A	HEAT SINK		
37	QYSBSG3012E	SCREW	3mm x 12mm(x12)	
38	LV42098-001A	C.B BKT		
39	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
40	LV32433-001A	H.S BRACKET(R)		
41	LV32434-001A	H.S BRACKET(L)		
42	QYSBSG3008Z	TAPPING SCREW	3mm x 8mm(x4)	
43	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
44	QYSBSG3006Z	TAP SCREW	3mm x 6mm(x2)	
45	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x4)	
46	QYSBSG3006Z	TAP SCREW	3mm x 6mm(x2)	
47	E65923-003	TAPPING SCREW		
48	LV30225-0B2A	SPACER		
49	QYSBSG3006Z	TAP SCREW	3mm x 6mm(x3)	
50	QYSBSG3008M	TAPPING SCREW	3mm x 8mm(x3)	
51	QYSBSG3006Z	TAP SCREW	3mm x 6mm(x3)	
52	QYSBSG3006Z	TAP SCREW	3mm x 6mm	
△ 53	QQT0397-001	POWER TRANSF		
54	QYSDSTL4008Z	ASSY SCREW	4mm x 8mm(x4)	
55	LV10768-011A	REAR PANEL		
56	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
57	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm	
58	QYSBST3006M	TH TAP SCREW	3mm x 6mm(x2)	
59	LV30225-011A	SPACER		
60	FMYH4004-001	PLASTIC RIVET	(x2)	
61	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm	
62	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x4)	
63	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
64	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
65	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x6)	
66	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
67	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x6)	
68	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x2)	
△ 69	QMPD420-200-JV	POWER CORD(US/CA)2m BLACK		
△ 70	QZW0033-001	STRAIN RELIEF		
71	LV20038-011A	TOP COVER		
72	LV30225-088A	SPACER		
73	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
74	E406308-003	SPECIAL SCREW	(x4)	

△ Symbol No.	Part No.	Part Name	Description	Local
75	LV43463-001A	VOL KNOB ASSY		
76	LV43458-001A	JOG KNOB ASSY		
△ 77	QMF51U1-6R3-J8	FUSE	F 1 6.3A AC125V	
△ 78	QMF51U1-2R0-J8	FUSE	F 61 F 62 2A AC125V(x2)	
79	LV43517-001A	FUSE CAUTION		
80	E409396-003	CAUTION LABEL		7030V BKC
80	E409394-001	CAUTION LABEL		7030V BKJ
81	QYSBSG3008E	TAP.SCREW	3mm x 8mm(x3)	
82	QUQ412-1124DJ	FFC WIRE		
83	QAU0307-002	TUNER		

Electrical parts list

Main board

Block No. [0][1][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
	Q811	2SD2395/EF/	TRANSTRANSISTOR	
	Q812	KTC3200/GL/-T	TRANSISTOR	
	Q823	KTC3199/GL/-T	TRANSISTOR	
	Q824	KTC3200/GL/-T	TRANSISTOR	
	Q825	KTA1268/GL/-T	TRANSISTOR	
	Q830	KRC109M-T	DIGI TRANSISTOR	
	Q831	KRC109M-T	DIGI TRANSISTOR	
	Q832	KRC109M-T	DIGI TRANSISTOR	
	Q833	KRC109M-T	DIGI TRANSISTOR	
	Q834	KRC109M-T	DIGI TRANSISTOR	
	Q835	KRC109M-T	DIGI TRANSISTOR	
	Q836	KRC109M-T	DIGI TRANSISTOR	
	Q837	KRC109M-T	DIGI TRANSISTOR	
	Q838	KRC109M-T	DIGI TRANSISTOR	
	Q839	KRC109M-T	DIGI TRANSISTOR	
△ D801	30DF2-FC	DIODE		
△ D802	30DF2-FC	DIODE		
△ D803	30DF2-FC	DIODE		
△ D804	30DF2-FC	DIODE		
	D811	MTZJ24C-T2	Z DIODE	
	D816	MTZJ18C-T2	Z DIODE	
	D825	1SS133-T2	SI DIODE	
	D831	1SS133-T2	SI DIODE	
	D832	1SS133-T2	SI DIODE	
	D841	MTZJ5.1C-T2	Z DIODE	
	D842	1SS133-T2	SI DIODE	
	D843	1SS133-T2	SI DIODE	
	D844	1SS133-T2	SI DIODE	
	D845	1SS133-T2	SI DIODE	
	D846	1SS133-T2	SI DIODE	
	D847	1SS133-T2	SI DIODE	
	D848	1SS133-T2	SI DIODE	
	D851	1SS133-T2	SI DIODE	
	D852	1SS133-T2	SI DIODE	
	D853	1SS133-T2	SI DIODE	
	D871	1SS133-T2	SI DIODE	
	C454	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C801	QCE22HP-103	C CAPACITOR	0.01uF 500V P
	C802	QCE22HP-103	C CAPACITOR	0.01uF 500V P
	C805	QCE22HP-103	C CAPACITOR	0.01uF 500V P
	C807	QEZO588-688	E CAPACITOR	6800uF
	C808	QEZO588-688	E CAPACITOR	6800uF
	C811	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z
	C816	QETN1EM-476Z	E CAPACITOR	47uF 25V M
	C823	QETN1CM-476Z	E CAPACITOR	47uF 16V M
	C824	QETN1EM-106Z	E CAPACITOR	10uF 25V M
	C850	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C851	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C852	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C853	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	R801	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R802	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R811	QRJ146J-150X	UNF C RESISTOR	15Ω 1/4W J
	R812	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J
	R813	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J
	R814	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
	R815	QRJ146J-120X	UNF C RESISTOR	12Ω 1/4W J
	R816	QRL027J-332	OMF RESISTOR	3.3kΩ 2W J
	R823	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
	R824	QRE141J-134Y	C RESISTOR	130kΩ 1/4W J
	R825	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
	R826	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R831	QRZ9005-330X	FUSI RESISTOR	33Ω
	R832	QRZ9005-330X	FUSI RESISTOR	33Ω
	R841	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R842	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J
	R843	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R844	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R845	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J

△ Symbol No.	Part No.	Part Name	Description	Local
	R846	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R851	QRZ9005-120X	FUSI RESISTOR	12Ω
	R852	QRJ146J-120X	UNF C RESISTOR	12Ω 1/4W J
	R852	QRZ9005-330X	FUSI RESISTOR	33Ω
	R854	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J
	R855	QRJ146J-392X	UNF C RESISTOR	3.9kΩ 1/4W J
	R856	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
	R857	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
	R858	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R859	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
	R860	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
	R861	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R862	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
	R863	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
	R864	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R865	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R866	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R867	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
	R868	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R869	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J
	R870	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
	R871	QRZ9005-330X	FUSI RESISTOR	33Ω
	R886	QRZ9005-120X	FUSI RESISTOR	12Ω
	CN72	QGB2510K1-06	CONNECTOR	B-B (1-6)
	CN82	QGB2510K1-06	CONNECTOR	B-B (1-6)
	CN701	QGB2510J1-12	CONNECTOR	B-B (1-12)
	CN702	QGB2510J1-12	CONNECTOR	B-B (1-12)
	CN703	QGB2510J1-10	CONNECTOR	B-B (1-10)
	CN704	QGB2510J1-10	CONNECTOR	B-B (1-10)
	CN705	QGB2510J1-12	CONNECTOR	B-B (1-12)
	CN706	QGB2510J1-12	CONNECTOR	B-B (1-12)
	CN723	QGA2501C1-04	CONNECTOR	W-B (1-4)
	CN801	QJK012-032403	SKT WIRE ASSY	
	CN813	QGA3901C1-06	CONNECTOR	W-B (1-6)
	CN814	QGA3901C1-07	CONNECTOR	W-B (1-7)
	CN823	QJK015-063001	C-B WIRE ASSY	
	CN824	QJK015-073202	SKT WIRE ASSY	
	CN831	QGD2501C1-04Z	CONNECTOR	(1-4)
	CN881	QGD2501C1-03Z	CONNECTOR	(1-3)
	EP801	QNZ0136-001Z	EARTH PLATE	
	FW931	QUM217-08DGZ4	PARA RIBON WIRE	
	RY831	QSK0109-001	RELAY	
	RY832	QSK0109-001	RELAY	
	RY851	QSK0149-001	RELAY	
	RY852	QSK0109-001	RELAY	
	RY853	QSK0149-001	RELAY	
	RY871	QSK0109-001	RELAY	
	ST832	QNB0082-002	SPK TERMINAL	
	ST833	QNB0078-001	SPK TERMINAL	
	ST853	QNB0105-002	SPK TERMINAL	

Front board

Block No. [0][2][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
	IC201	BA7625	IC	
	IC241	BA7626	IC	
	IC242	BA7625	IC	
	IC303	HA17558AF-X	IC	
	IC371	TC9163AF-X	IC	
	IC400	MN101C35DMF	IC	
	IC404	GP1UM281XK	IR DETECT UNIT	38kHz
	Q200	KTA1267/YG/-T	TRANSISTOR	
	Q204	KTA1267/YG/-T	TRANSISTOR	
	Q240	KTA1267/YG/-T	TRANSISTOR	
	Q241	KTA1267/YG/-T	TRANSISTOR	
	Q244	KTA1267/YG/-T	TRANSISTOR	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q254	KTA1267/YG-T	TRANSISTOR			C427	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
Q301	2SC3576-JVC-T	TRANSISTOR			R200	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
Q302	2SC3576-JVC-T	TRANSISTOR			R201	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
Q303	KRA104S-X	DIGI TRANSISTOR			R202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
Q402	UN2215-X	TRANSISTOR			R203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
Q403	KRC109S-X	TRANSISTOR			R206	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
Q404	KRC107S-X	DIGI TRANSISTOR			R207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
Q407	KRC107S-X	DIGI TRANSISTOR			R208	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
Q408	KRC107S-X	DIGI TRANSISTOR			R209	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
Q410	UN2114-X	D.TRANSISTOR			R210	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
Q411	UN2114-X	D.TRANSISTOR			R213	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
Q413	UN2114-X	D.TRANSISTOR			R214	NRSA63J-621X	MG RESISTOR	620Ω 1/16W J	
D405	1SS133-T2	SI DIODE			R219	NRSA63J-621X	MG RESISTOR	620Ω 1/16W J	
D480	SLR-343VC/NPQ-T	LED			R221	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D490	SLR-343VC/NPQ-T	LED			△ R225	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
D491	SLR-343VC/NPQ-T	LED			R226	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
C201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R240	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C202	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R241	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C203	QETNOJM-477Z	E CAPACITOR	470uF 6.3V M		R242	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C204	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R243	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C207	QETNOJM-477Z	E CAPACITOR	470uF 6.3V M		R244	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C208	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R245	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C209	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z		R246	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C211	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R247	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C212	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z		R248	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C226	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R249	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
C228	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R252	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
C241	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M		R253	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C242	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R255	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C243	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z		R259	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C244	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M		R266	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C245	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R267	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C246	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M		R268	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C247	QETNOJM-477Z	E CAPACITOR	470uF 6.3V M		R269	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C248	QETN1CM-476Z	E CAPACITOR	47uF 16V M		△ R271	QRJ146J-3R3X	UNF C RESISTOR	3.3Ω 1/4W J	
C249	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M		R284	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
C250	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R317	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C251	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M		R318	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C252	QETNOJM-477Z	E CAPACITOR	470uF 6.3V M		R341	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C256	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z		R342	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C257	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R343	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C258	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z		R344	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C259	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R345	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C268	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R346	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C269	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R351	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C270	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R352	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C271	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R371	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C341	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R372	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C342	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R373	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C343	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C344	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C351	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J		R376	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C352	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J		R377	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C385	QETN1EM-226Z	E CAPACITOR	22uF 25V M		R378	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C386	QETN1EM-226Z	E CAPACITOR	22uF 25V M		R379	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C389	NCB31HK-561X	C CAPACITOR	560pF 50V K		R380	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C399	QETN1CM-226Z	E CAPACITOR	22uF 16V M		R381	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C400	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M		R382	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		△ R385	QRZ9005-680X	FUSI RESISTOR	68Ω	
C402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		△ R386	QRZ9005-680X	FUSI RESISTOR	68Ω	
C403	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R391	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C404	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R392	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C406	NCB31HK-331X	C CAPACITOR	330pF 50V K		R393	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C407	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z		R394	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C409	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M		R395	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C410	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M		R396	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		R397	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C412	QEKJOJM-107Z	E CAPACITOR	100uF 6.3V M		R398	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R400	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C420	NCB31HK-471X	C CAPACITOR	470pF 50V K		R402	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C421	NCB31HK-471X	C CAPACITOR	470pF 50V K		R403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C422	NCB31HK-471X	C CAPACITOR	470pF 50V K		R404	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C423	NCB31HK-471X	C CAPACITOR	470pF 50V K		R405	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C424	NCB31HK-471X	C CAPACITOR	470pF 50V K		R406	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C425	NCB31HK-471X	C CAPACITOR	470pF 50V K		R407	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
					R408	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
△ D51	11ES2-T4	DIODE			△ R53	QRJ146J-6R8X	UNF C RESISTOR	6.8Ω 1/4W J	
△ D52	11ES2-T4	DIODE			R54	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	
△ D53	11ES2-T4	DIODE			R61	QRJ146J-3R3X	UNF C RESISTOR	3.3Ω 1/4W J	
△ D54	11ES2-T4	DIODE			R72	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
D56	MTZJ6.2B-T2	Z DIODE			R73	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
D57	1SS133-T2	SI DIODE			R74	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
△ D61	10E2-FD	DIODE			R91	QRL027J-471	OMF RESISTOR	470Ω 2W J	
△ D62	11ES2-T4	DIODE			R92	QRL027J-471	OMF RESISTOR	470Ω 2W J	
△ D63	10E2-FD	DIODE			R903	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
△ D64	11ES2-T4	DIODE			R904	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
D71	11ES2-T4	DIODE			R910	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
D72	11ES2-T4	DIODE			R911	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
D73	11ES2-T4	DIODE			R913	QRT027J-3R9	MF RESISTOR	3.9Ω 2W J	
D74	MTZJ36C-T2	Z DIODE			R914	QRL027J-160	OMF RESISTOR	16Ω 2W J	
D75	MTZJ8.2C-T2	Z DIODE			R915	QRT027J-3R9	MF RESISTOR	3.9Ω 2W J	
D900	11ES2-T4	DIODE			R916	QRL027J-100	OMF RESISTOR	10Ω 2W J	
D901	11ES2-T4	DIODE			R918	QRL027J-100	OMF RESISTOR	10Ω 2W J	
D902	11ES2-T4	DIODE			R921	QRK126J-120X	UNF C RESISTOR	12Ω 1/2W J	
D904	1SS133-T2	SI DIODE			R923	QRJ146J-272X	UNF C RESISTOR	2.7kΩ 1/4W J	
D921	MTZJ5.6C-T2	Z DIODE			R924	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
D931	MTZJ6.2C-T2	Z DIODE			R925	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D941	MTZJ13C-T2	Z DIODE			R926	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D951	MTZJ13C-T2	Z DIODE			R927	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D955	1SS133-T2	SI DIODE			R928	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D956	1SS133-T2	SI DIODE			R929	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D961	MTZJ13C-T2	Z DIODE			R930	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
D971	MTZJ10C-T2	Z DIODE			R931	QRL027J-100	OMF RESISTOR	10Ω 2W J	
D975	1SS133-T2	SI DIODE			R933	QRJ146J-272X	UNF C RESISTOR	2.7kΩ 1/4W J	
D976	1SS133-T2	SI DIODE			R934	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D977	1SS133-T2	SI DIODE			R935	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D978	1SS133-T2	SI DIODE			R936	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
D979	1SS133-T2	SI DIODE			R937	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
					R938	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
					R939	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
△ C1	QCZ9104-472	C CAPACITOR	4700pF		R940	QRJ146J-3R3X	UNF C RESISTOR	3.3Ω 1/4W J	
C51	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J		R943	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
C52	QETM1EM-108	E CAPACITOR	1000uF 25V M		R944	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C54	QETN1CM-477Z	E CAPACITOR	470uF 16V M		R945	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C55	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R946	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C61	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J		R953	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
C62	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J		R954	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C63	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J		R955	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C65	QETM1VM-338	E CAPACITOR	3300uF 35V M		R956	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C66	QETM1VM-108	E CAPACITOR	1000uF 35V M		R957	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C68	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R958	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C69	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R959	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C70	QETN1HM-227Z	E CAPACITOR	220uF 50V M		R960	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C71	QETN1JM-107Z	E CAPACITOR	100uF 63V M		R961	QRZ9005-220X	FUSI RESISTOR	22Ω	
C72	QETN1HM-226Z	E CAPACITOR	22uF 50V M		R962	QRZ9005-220X	FUSI RESISTOR	22Ω	
C73	QETN1HM-226Z	E CAPACITOR	22uF 50V M		R963	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
C74	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R965	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C901	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M		R966	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C902	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z		R967	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C903	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M		R968	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C904	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R969	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
C905	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z		R971	QRJ146J-120X	UNF C RESISTOR	12Ω 1/4W J	
C921	QETN1EM-107Z	E CAPACITOR	100uF 25V M		R973	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
C922	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R975	QRJ146J-220X	UNF C RESISTOR	22Ω 1/4W J	
C931	QETN1CM-477Z	E CAPACITOR	470uF 16V M		R976	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C932	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R977	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C941	QETN1EM-107Z	E CAPACITOR	100uF 25V M		R978	QRE141J-133Y	C RESISTOR	13kΩ 1/4W J	
C942	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R979	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C951	QETN1EM-107Z	E CAPACITOR	100uF 25V M		R980	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C952	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R981	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C961	QETN1EM-107Z	E CAPACITOR	100uF 25V M		R982	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C962	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R983	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C971	QETN1EM-337Z	E CAPACITOR	330uF 25V M		R984	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C972	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z		R985	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C975	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R987	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C981	QCBB1HK-331Y	C CAPACITOR	330pF 50V K		R993	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J	
C982	QCBB1HK-331Y	C CAPACITOR	330pF 50V K		R994	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
C983	QCBB1HK-331Y	C CAPACITOR	330pF 50V K		R995	QRE141J-133Y	C RESISTOR	13kΩ 1/4W J	
C984	QCBB1HK-331Y	C CAPACITOR	330pF 50V K		R996	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C985	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K		R997	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C993	QCBB1HK-101Y	C CAPACITOR	100pF 50V K		R998	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
C994	QCBB1HK-271Y	C CAPACITOR	270pF 50V K		R999	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
△ R1	QRZ9037-335	COMP RESISTOR	3.3MΩ 1/2W K		△ T2	QQT0317-001	POWER TRANSF		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
CN55	QGD2501C1-05Z	CONNECTOR	(1-5)		Q1703	KTA1268/GL/-T	TRANSISTOR		
CN71	QGB2510J1-06	CONNECTOR	B-B (1-6)		Q1731	2SD637/QR/	TRANSISTOR		
CN72	QGB2510K1-06	CONNECTOR	B-B (1-6)		△ Q1751	2SD2390/PY/-F6	TRANSISTOR		
CN81	QGB2510J1-06	CONNECTOR	B-B (1-6)		△ Q1752	2SB1560/PY/-F6	TRANSISTOR		
CN82	QGB2510K1-06	CONNECTOR	B-B (1-6)		Q1771	KTC3200/GL/-T	TRANSISTOR		
CN101	QGB2510J1-04	CONNECTOR	B-B (1-4)		Q1772	KTA1268/GL/-T	TRANSISTOR		
CN201	QGB2510J1-12	CONNECTOR	B-B (1-12)		Q1791	KTA1268/GL/-T	TRANSISTOR		
CN241	QGB2510J1-10	CONNECTOR	B-B (1-10)		Q1801	2SC2240-BL/AB/T	TRANSISTOR		
CN301	QGB2510J1-04	CONNECTOR	B-B (1-4)		Q1802	2SC2240-BL/AB/T	TRANSISTOR		
CN303	QGB2510J1-18	CONNECTOR	B-B (1-18)		Q1803	2SC2240-BL/AB/T	TRANSISTOR		
CN334	QGF1205C1-06	CONNECTOR	FFC/FPC (1-6)		Q1804	2SC2240-BL/AB/T	TRANSISTOR		
CN400	QGF1205C1-09	CONNECTOR	FFC/FPC (1-9)		Q1805	KTA1268/GL/-T	TRANSISTOR		
CN402	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)		Q1806	KTA1268/GL/-T	TRANSISTOR		
CN601	QGB2510J1-07	CONNECTOR	B-B (1-7)		Q1831	2SD637/QR/	TRANSISTOR		
CN811	QGA3901F2-03	CONNECTOR	W-B (1-3)		Q1832	2SD637/QR/	TRANSISTOR		
CN931	QGD2501C1-04Z	CONNECTOR	(1-4)		△ Q1851	2SD2390/PY/-F6	TRANSISTOR		
CN932	QGD2501C1-03Z	CONNECTOR	(1-3)		△ Q1852	2SD2390/PY/-F6	TRANSISTOR		
EP1	E409182-001SM	GRAND TERMINAL			△ Q1853	2SB1560/PY/-F6	TRANSISTOR		
EP51	QNZ0136-001Z	EARTH PLATE			△ Q1854	2SB1560/PY/-F6	TRANSISTOR		
EP91	E406523-001SM	GND BKT			Q1871	KTC3200/GL/-T	TRANSISTOR		
EP901	QNZ0136-001Z	EARTH PLATE			Q1872	KTC3200/GL/-T	TRANSISTOR		
EP902	QNZ0136-001Z	EARTH PLATE			Q1873	KTA1268/GL/-T	TRANSISTOR		
△ FC1	QNG0020-001Z	FUSE CLIP			Q1874	KTA1268/GL/-T	TRANSISTOR		
FC2	QNG0020-001Z	FUSE CLIP			Q1891	KTA1268/GL/-T	TRANSISTOR		
△ FC61	QNG0020-001Z	FUSE CLIP			Q1892	KTA1268/GL/-T	TRANSISTOR		
△ FC62	QNG0020-001Z	FUSE CLIP			Q1901	2SC2240-BL/AB/T	TRANSISTOR		
FC63	QNG0020-001Z	FUSE CLIP			Q1902	2SC2240-BL/AB/T	TRANSISTOR		
FC64	QNG0020-001Z	FUSE CLIP			Q1903	KTA1268/GL/-T	TRANSISTOR		
FW51	QUM215-10DGZ4	PARA RIBON WIRE			Q1931	2SD637/QR/	TRANSISTOR		
FW831	QUM134-08DGZ4	PARA RIBON WIRE			△ Q1951	2SD2390/PY/-F6	TRANSISTOR		
FW881	QUM213-44DGZ4	PARA RIBON WIRE			△ Q1952	2SB1560/PY/-F6	TRANSISTOR		
HL901	VYH7237-002	IC HOLDER			Q1971	KTC3200/GL/-T	TRANSISTOR		
HS951	E70306-001	HEAT SINK			Q1972	KTA1268/GL/-T	TRANSISTOR		
HS961	E70306-001	HEAT SINK			Q1991	KTA1268/GL/-T	TRANSISTOR		
HS971	E70306-001	HEAT SINK							
J91	QNS0022-001	JACK			D701	1SS133-T2	SI DIODE		
△ RY1	QSK0098-001	RELAY			D702	1SS133-T2	SI DIODE		
TA1	QNZ0079-001Z	TAB			D703	1SS133-T2	SI DIODE		
TA2	QNZ0079-001Z	TAB			D704	1SS133-T2	SI DIODE		
△ TH71	QAD0095-4R7Z	POSISTOR	4.7Ω M		D771	1SS133-T2	SI DIODE		
X901	QAX0246-001Z	C RESONATOR	8.00MHZ		D772	1SS133-T2	SI DIODE		
					D773	1SS133-T2	SI DIODE		
					D774	1SS133-T2	SI DIODE		
					D791	1SS133-T2	SI DIODE		
					D792	1SS133-T2	SI DIODE		
					D1701	1SS133-T2	SI DIODE		
					D1771	1SS133-T2	SI DIODE		
					D1772	1SS133-T2	SI DIODE		
					D1791	1SS133-T2	SI DIODE		
					D1801	1SS133-T2	SI DIODE		
					D1802	1SS133-T2	SI DIODE		
					D1871	1SS133-T2	SI DIODE		
					D1872	1SS133-T2	SI DIODE		
					D1873	1SS133-T2	SI DIODE		
					D1874	1SS133-T2	SI DIODE		
					D1891	1SS133-T2	SI DIODE		
					D1892	1SS133-T2	SI DIODE		
					D1901	1SS133-T2	SI DIODE		
					D1971	1SS133-T2	SI DIODE		
					D1992	1SS133-T2	SI DIODE		
					D1993	1SS133-T2	SI DIODE		
					C701	QTE1V06-106Z	E CAPACITOR	10uF 35V	
					C702	QTE1V06-106Z	E CAPACITOR	10uF 35V	
					C703	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
					C704	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
					C705	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
					C706	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
					C707	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
					C708	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
					C709	QCS31HJ-100Z	C CAPACITOR	10pF 50V J	
					C710	QCS31HJ-100Z	C CAPACITOR	10pF 50V J	
					C711	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
					C712	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
					C713	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
					C714	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
					C715	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
					C716	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	

Power board

Block No. [0][4][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
Q701	2SC2240-BL/AB/T	TRANSISTOR		
Q702	2SC2240-BL/AB/T	TRANSISTOR		
Q703	2SC2240-BL/AB/T	TRANSISTOR		
Q704	2SC2240-BL/AB/T	TRANSISTOR		
Q705	KTA1268/GL/-T	TRANSISTOR		
Q706	KTA1268/GL/-T	TRANSISTOR		
Q707	KTA1268/GL/-T	TRANSISTOR		
Q708	KTA1268/GL/-T	TRANSISTOR		
Q709	KTA1268/GL/-T	TRANSISTOR		
Q710	KTA1268/GL/-T	TRANSISTOR		
Q711	KTC3200/GL/-T	TRANSISTOR		
Q712	KTC3200/GL/-T	TRANSISTOR		
△ Q761	2SD2390/PY/-F6	TRANSISTOR		
△ Q762	2SD2390/PY/-F6	TRANSISTOR		
△ Q763	2SB1560/PY/-F6	TRANSISTOR		
△ Q764	2SB1560/PY/-F6	TRANSISTOR		
Q771	KTC3200/GL/-T	TRANSISTOR		
Q772	KTC3200/GL/-T	TRANSISTOR		
Q773	KTA1268/GL/-T	TRANSISTOR		
Q774	KTA1268/GL/-T	TRANSISTOR		
Q781	2SD637/QR/	TRANSISTOR		
Q782	2SD637/QR/	TRANSISTOR		
Q791	KTA1268/GL/-T	TRANSISTOR		
Q792	KTA1268/GL/-T	TRANSISTOR		
Q1701	2SC2240-BL/AB/T	TRANSISTOR		
Q1702	2SC2240-BL/AB/T	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C717	QCS32HJ-220Z	C CAPACITOR	22pF 500V J		C1952	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C718	QCS32HJ-220Z	C CAPACITOR	22pF 500V J		C1961	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C719	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J		C1962	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C720	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J		C1991	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
C741	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R701	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C742	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R702	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C745	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R703	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
C746	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R704	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
C751	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R705	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
C752	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R706	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
C753	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R707	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
C754	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R708	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
C791	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R709	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
C792	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R710	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
C793	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R711	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
C794	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R712	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
C795	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z		R715	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
C796	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z		R716	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
C1701	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R717	QRJ146J-562X	UNF C RESISTOR	5.6kΩ 1/4W J	
C1702	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R718	QRJ146J-562X	UNF C RESISTOR	5.6kΩ 1/4W J	
C1703	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R719	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
C1704	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R720	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
C1705	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J		R721	QRJ146J-151X	UNF C RESISTOR	150Ω 1/4W J	
C1711	QCS32HJ-330Z	C CAPACITOR	33pF 500V J		R722	QRJ146J-151X	UNF C RESISTOR	150Ω 1/4W J	
C1712	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J		R723	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1713	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R724	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1715	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R725	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
C1741	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R726	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
C1743	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R727	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
C1751	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R728	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
C1752	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R729	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1761	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R730	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1762	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R731	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1791	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z		R732	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1801	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R733	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C1802	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R734	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
C1803	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R761	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C1804	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R762	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C1805	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R763	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C1806	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R764	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C1807	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R771	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1808	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R772	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1809	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J		R773	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1810	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J		R774	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1811	QCS32HJ-330Z	C CAPACITOR	33pF 500V J		R775	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
C1812	QCS32HJ-330Z	C CAPACITOR	33pF 500V J		R776	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
C1813	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J		R777	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
C1814	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J		R778	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
C1815	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R779	QRZ0218-R22	EMIT.RESISTOR	0.22Ω	
C1816	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R780	QRZ0218-R22	EMIT.RESISTOR	0.22Ω	
C1817	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R781	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1818	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R782	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
C1841	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R783	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
C1842	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R784	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
C1843	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R787	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
C1844	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R788	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
C1851	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R789	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
C1852	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R790	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
C1853	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R791	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
C1854	QCS32HJ-470Z	C CAPACITOR	47pF 500V J		R792	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
C1861	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R793	QRL027J-100	OMF RESISTOR	10Ω 2W J	
C1862	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R794	QRL027J-100	OMF RESISTOR	10Ω 2W J	
C1863	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R795	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C1864	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J		R796	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C1891	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z		R797	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C1892	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z		R798	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
C1901	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R1701	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
C1902	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R1702	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
C1903	QCS31HJ-101Z	C CAPACITOR	100pF 50V J		R1703	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
C1904	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R1705	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
C1905	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J		R1711	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
C1911	QCS32HJ-330Z	C CAPACITOR	33pF 500V J		R1712	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
C1912	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J		R1721	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
C1913	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R1722	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C1915	QETN1HM-476Z	E CAPACITOR	47uF 50V M		R1723	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C1941	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R1724	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C1943	QETN2AM-476Z	E CAPACITOR	47uF 100V M		R1725	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
C1951	QCS32HJ-470Z	C CAPACITOR	47pF 500V J						

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R1731	QRE141J-911Y	C RESISTOR	910Ω 1/4W J		R1923	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1732	QRE141J-391Y	C RESISTOR	390Ω 1/4W J		R1924	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1733	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		R1925	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1741	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J		R1931	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R1751	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J		R1932	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1752	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J		R1933	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R1753	QRZ0218-R22	EMIT.RESISTOR	0.22Ω		R1941	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1761	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J		R1951	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1762	QRL027J-100	OMF RESISTOR	10Ω 2W J		R1952	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1771	QRE141J-391Y	C RESISTOR	390Ω 1/4W J		R1953	QRZ0218-R22	EMIT.RESISTOR	0.22Ω	
R1772	QRE141J-391Y	C RESISTOR	390Ω 1/4W J		R1961	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R1773	QRE141J-201Y	C RESISTOR	200Ω 1/4W J		R1962	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R1774	QRE141J-201Y	C RESISTOR	200Ω 1/4W J		R1971	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1791	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J		R1972	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1793	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J		R1973	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1795	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J		R1991	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1801	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J		R1993	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R1802	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J		R1994	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1803	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J		R1995	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R1804	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J		VR787	QVP0008-501Z	TRIM RESISTOR	500Ω	
R1805	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J		VR788	QVP0008-501Z	TRIM RESISTOR	500Ω	
R1806	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J						
R1809	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J		L791	QQLZ003-1R0	COIL	1uH	
R1810	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J		L792	QQLZ003-1R0	COIL	1uH	
R1811	QRE141J-331Y	C RESISTOR	330Ω 1/4W J		L1761	QQLZ005-R45	COIL	0.45uH	
R1812	QRE141J-331Y	C RESISTOR	330Ω 1/4W J		L1861	QQLZ005-R45	COIL	0.45uH	
R1813	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J		L1862	QQLZ005-R45	COIL	0.45uH	
R1814	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J		L1961	QQLZ005-R45	COIL	0.45uH	
R1821	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J						
R1822	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J		CN711	QGB2510K1-12	CONNECTOR	B-B (1-12)	
R1823	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN712	QGB2510K1-12	CONNECTOR	B-B (1-12)	
R1824	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN713	QGB2510K1-10	CONNECTOR	B-B (1-10)	
R1825	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN714	QGA2501F1-02	CONNECTOR	W-B (1-2)	
R1826	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN715	QGB2510K1-12	CONNECTOR	B-B (1-12)	
R1827	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN716	QGB2510K1-12	CONNECTOR	B-B (1-12)	
R1828	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN717	QGA2001F1-03	CONNECTOR	W-B (1-3)	
R1829	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN718	QGB2510K1-10	CONNECTOR	B-B (1-10)	
R1830	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J		CN719	QGA2501F1-03	CONNECTOR	W-B (1-3)	
R1831	QRE141J-911Y	C RESISTOR	910Ω 1/4W J		CN721	QGA2001F1-02	CONNECTOR	W-B (1-2)	
R1832	QRE141J-911Y	C RESISTOR	910Ω 1/4W J		TH732	QAD0012-202	THERMISTOR	2kΩ L	
R1833	QRE141J-391Y	C RESISTOR	390Ω 1/4W J		TH783	QAD0012-202	THERMISTOR	2kΩ L	
R1834	QRE141J-391Y	C RESISTOR	390Ω 1/4W J		TH784	QAD0012-202	THERMISTOR	2kΩ L	
R1835	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		TH831	QAD0012-202	THERMISTOR	2kΩ L	
R1836	QRE141J-271Y	C RESISTOR	270Ω 1/4W J		TH832	QAD0012-202	THERMISTOR	2kΩ L	
R1841	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J		TH901	QAD0012-202	THERMISTOR	2kΩ L	
R1842	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J						
R1851	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J						
R1852	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J						
R1853	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J						
R1854	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J						
R1855	QRZ0218-R22	EMIT.RESISTOR	0.22Ω						
R1856	QRZ0218-R22	EMIT.RESISTOR	0.22Ω						
R1861	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J						
R1862	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J						
R1863	QRL027J-100	OMF RESISTOR	10Ω 2W J						
R1864	QRL027J-100	OMF RESISTOR	10Ω 2W J						
R1871	QRE141J-391Y	C RESISTOR	390Ω 1/4W J						
R1872	QRE141J-391Y	C RESISTOR	390Ω 1/4W J						
R1873	QRE141J-391Y	C RESISTOR	390Ω 1/4W J						
R1874	QRE141J-391Y	C RESISTOR	390Ω 1/4W J						
R1875	QRE141J-201Y	C RESISTOR	200Ω 1/4W J						
R1876	QRE141J-201Y	C RESISTOR	200Ω 1/4W J						
R1877	QRE141J-201Y	C RESISTOR	200Ω 1/4W J						
R1878	QRE141J-201Y	C RESISTOR	200Ω 1/4W J						
R1891	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J						
R1892	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J						
R1893	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J						
R1894	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J						
R1895	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J						
R1896	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J						
R1901	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J						
R1902	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J						
R1903	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J						
R1905	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J						
R1911	QRE141J-331Y	C RESISTOR	330Ω 1/4W J						
R1912	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J						
R1921	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J						
R1922	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J						

Input board

Block No. [0][5][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
PW401	QUB030-17PPHM	SIN TWIST WIRE		
IC304	HA17558AF-X	IC		
IC380	TC9162AF-X	IC		
IC381	TC9459F-X	IC		
IC382	TC9459F-X	IC		
IC383	TC9459F-X	IC		
IC384	TC9459F-X	IC		
IC386	HA17558AF-X	IC		
IC389	MM74HC4053SJ-X	IC		
IC390	NJM2580M-X	IC		
IC397	HA17558AF-X	IC		
IC399	HA17558AF-X	IC		
Q1310	KRA104S-X	DIGI TRANSISTOR		
Q1313	2SC3576-JVC-T	TRANSISTOR		
Q1314	2SC3576-JVC-T	TRANSISTOR		
Q1324	2SC3576-JVC-T	TRANSISTOR		
Q1333	2SC3576-JVC-T	TRANSISTOR		
Q1334	2SC3576-JVC-T	TRANSISTOR		
Q1441	2SC3576-JVC-T	TRANSISTOR		
Q1445	2SC3576-JVC-T	TRANSISTOR		
Q1447	KRA104S-X	DIGI TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q1490	KRA104S-X	DIGI TRANSISTOR			C1474	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
Q1491	2SC3576-JVC-T	TRANSISTOR			C1494	NCB31HK-331X	C CAPACITOR	330pF 50V K	
Q1492	2SC3576-JVC-T	TRANSISTOR			C1499	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
D1350	MA3062/H/-X	Z DIODE			R333	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C333	NCS31HJ-391X	C CAPACITOR	390pF 50V J		R334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C334	NCS31HJ-391X	C CAPACITOR	390pF 50V J		R361	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C361	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R362	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C362	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R363	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C363	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R364	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C364	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R365	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C364	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R366	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1301	QETN1EM-476Z	E CAPACITOR	47uF 25V M		△ R1301	QRZ9005-680X	F.RESISTOR	68Ω	
C1302	QETN1EM-476Z	E CAPACITOR	47uF 25V M		△ R1302	QRZ9005-680X	F.RESISTOR	68Ω	
C1303	NCB31HK-221X	C CAPACITOR	220pF 50V K		R1303	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C1309	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M		R1304	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C1310	QETN1CM-226Z	E CAPACITOR	22uF 16V M		R1305	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C1311	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1306	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C1312	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1307	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C1313	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1308	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C1314	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1309	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
C1315	QER61HM-224Z	E CAPACITOR	0.22uF 50V M		R1310	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1316	QER61HM-224Z	E CAPACITOR	0.22uF 50V M		R1311	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1319	NCB31HK-221X	C CAPACITOR	220pF 50V K		R1312	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1321	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1322	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1314	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1323	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1324	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1316	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1325	QER61HM-224Z	E CAPACITOR	0.22uF 50V M		R1321	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1326	QER61HM-224Z	E CAPACITOR	0.22uF 50V M		R1322	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1329	NCB31HK-221X	C CAPACITOR	220pF 50V K		R1324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1331	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1332	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1331	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1333	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1332	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1334	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1333	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1339	NCB31HK-221X	C CAPACITOR	220pF 50V K		R1334	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C1341	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1343	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1336	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1344	QETN1CM-226Z	E CAPACITOR	22uF 16V M		R1341	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1349	NCB31HK-221X	C CAPACITOR	220pF 50V K		R1342	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C1350	NCB31HK-221X	C CAPACITOR	220pF 50V K		R1343	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
C1360	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R1350	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C1361	NCS31HJ-391X	C CAPACITOR	390pF 50V J		R1351	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C1362	NCS31HJ-391X	C CAPACITOR	390pF 50V J		R1355	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C1363	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1361	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C1364	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1362	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C1365	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1363	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1366	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1364	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1367	NCB31EK-223X	C CAPACITOR	0.022uF 25V K		R1365	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1373	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1366	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1374	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R1367	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1375	QETN1EM-226Z	E CAPACITOR	22uF 25V M		R1368	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1376	QETN1CM-226Z	E CAPACITOR	22uF 16V M		R1369	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1377	QETN1EM-226Z	E CAPACITOR	22uF 25V M		R1370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C1379	QETN1EM-226Z	E CAPACITOR	22uF 25V M		R1373	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C1381	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R1385	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1382	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R1386	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1383	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R1387	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1384	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1388	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1385	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1389	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1386	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1390	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1387	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R1391	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1388	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R1392	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1389	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R1393	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C1390	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1394	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C1391	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1395	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C1392	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1396	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C1393	NCS31HJ-101X	C CAPACITOR	100pF 50V J		R1431	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1394	NCS31HJ-101X	C CAPACITOR	100pF 50V J		R1432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1395	NCS31HJ-101X	C CAPACITOR	100pF 50V J		R1433	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C1396	QETNOJM-477Z	E CAPACITOR	470uF 6.3V M		R1434	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C1397	QETN1AM-107Z	E CAPACITOR	100uF 10V M		R1435	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
C1398	QETN1AM-107Z	E CAPACITOR	100uF 10V M		R1436	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
C1431	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R1437	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C1433	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		△ R1439	QRZ9005-680X	F.RESISTOR	68Ω	
C1439	QETN1EM-476Z	E CAPACITOR	47uF 25V M		△ R1440	QRZ9005-680X	F.RESISTOR	68Ω	
C1440	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1441	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C1471	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R1443	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R1445	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		Q2156	DTA114YE-X	TRANSISTOR		
R1446	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Q2157	DTA114YE-X	TRANSISTOR		
R1447	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		Q2158	DTA114YE-X	TRANSISTOR		
R1471	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		Q2201	2SD2114K/VW/-X	TRANSISTOR		
R1472	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J		Q2202	2SD2114K/VW/-X	TRANSISTOR		
R1473	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		Q2273	2SC2412K/RS/-X	TRANSISTOR		
R1474	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Q2274	2SC2412K/RS/-X	TRANSISTOR		
R1475	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J		Q2301	2SD2114K/VW/-X	TRANSISTOR		
R1476	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Q2302	2SD2114K/VW/-X	TRANSISTOR		
R1478	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		Q2363	2SD2114K/VW/-X	TRANSISTOR		
R1486	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J		Q2364	2SD2114K/VW/-X	TRANSISTOR		
R1487	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		Q2375	2SC2412K/RS/-X	TRANSISTOR		
R1490	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		Q2376	2SC2412K/RS/-X	TRANSISTOR		
R1505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		Q2401	2SD2114K/VW/-X	TRANSISTOR		
					Q2431	2SC2412K/RS/-X	TRANSISTOR		
					Q2801	2SD2114K/VW/-X	TRANSISTOR		

CN205	QGB1214J1-10S	CONNECTOR	B-B (1-10)		C571	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CN361	QGB1214J1-06S	CONNECTOR	B-B (1-6)		C572	NEA70GM-107X	E CAPACITOR	100uF 4V M	
CN381	QGB1214J1-18S	CONNECTOR	B-B (1-18)		C573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CN501	QGB1214J1-14S	CONNECTOR	B-B (1-14)		C577	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
CN731	QJP002-021901	SHI CR C-B WIRE			C579	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
CN732	QJP001-031701	SHI CR C-B WIRE			C581	NEA71CM-106X	E CAPACITOR	10uF 16V M	
CN733	QJP017-021701	SHI CR C-B WIRE			C582	NEA71CM-106X	E CAPACITOR	10uF 16V M	
CN734	WJP0047-001A	E-SH C WIRE C-B			C583	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
CN735	QJP007-031301	CONNECTOR			C584	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
J1350	QNS0089-001	3.5 JACK			C587	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
J1352	QNS0089-001	3.5 JACK			C588	NEA70JM-227X	E CAPACITOR	220uF 6.3V M	
J1360	QNN0548-001	4PIN JACK ASSY			C589	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
J1380	QNN0391-001	PIN JACK			C590	NEA70GM-107X	E CAPACITOR	100uF 4V M	
J1490	QNN0284-001	PIN JACK			C591	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
J1491	QNN0284-001	PIN JACK			C2001	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	

DSP board

Block No. [0][6][0][0]

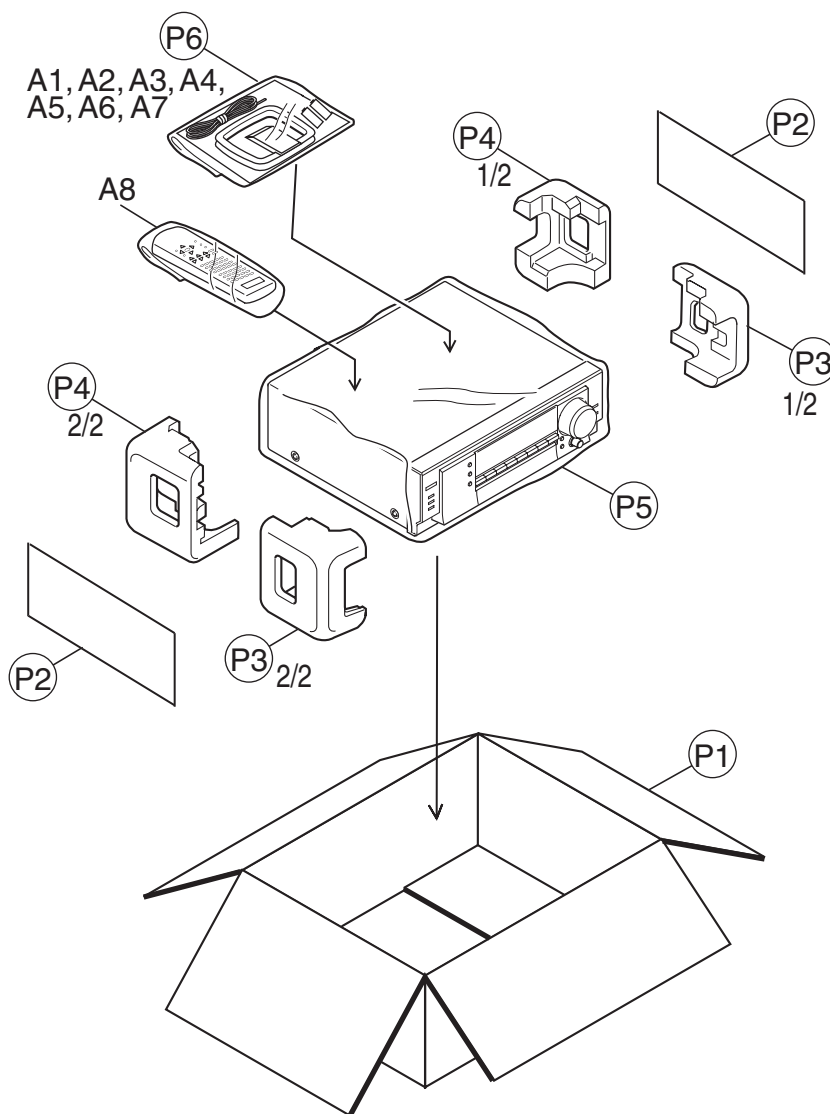
△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
IC501	DSPD56367PV150	IC			C2002	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
IC502	NC7SU04P5-X	IC(DIGITAL)			C2003	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
IC503	NC7S04P5-X	IC(DIGITAL)			C2006	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
IC505	PQ070XZ1HZ-X	IC			C2007	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
IC506	MM1563DF-X	IC	3.3V Regulator		C2005	NCS31HK-121X	C CAPACITOR	120pF 50V K	
IC507	PQ20VZ11-X	IC			C2008	NCS31HK-121X	C CAPACITOR	120pF 50V K	
IC511	39VF0207CWHR01	IC			C2007	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
IC512	IC63LV102410K-X	IC			C2008	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
IC513	IC63LV102410K-X	IC			C2009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC514	IC63LV102410K-X	IC			C2010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC520	HA17558AF-X	IC			C2013	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
IC521	HA17558AF-X	IC			C2014	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
IC522	HA17558AF-X	IC			C2018	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
IC523	HA17558AF-X	IC			C2019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC524	HA17558AF-X	IC			C2020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC525	HA17558AF-X	IC			C2021	NCB31HK-221X	C CAPACITOR	220pF 50V K	
IC526	HA17558AF-X	IC			C2022	NCB31HK-221X	C CAPACITOR	220pF 50V K	
IC527	NJM2121M-X	IC			C2101	NCB31HK-561X	C CAPACITOR	560pF 50V K	
IC528	HA17558AF-X	IC			C2107	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
IC529	HA17558AF-X	IC			C2127	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC530	HA17558AF-X	IC			C2128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC551	AK4112BVF-X	IC(MICRO C ROM)			C2130	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
IC561	MN35505-X	IC			C2131	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
IC571	AK4527BVQP	IC			C2132	NFV41HJ-333X	C CAPACITOR	0.033uF 50V J	
IC572	NC7WZ125K8-X	IC			C2152	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC573	NC7SZ74K8-X	IC			C2153	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
IC581	UPD784215AGC196	IC			C2154	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
IC582	NC7ST32P5-X	IC(DIGITAL)			C2155	NFV41HJ-333X	C CAPACITOR	0.033uF 50V J	
IC583	MM1563DF-X	IC	3.3V Regulator		C2181	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
					C2182	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
Q570	DTC114YE-X	TRANSISTOR			C2201	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
Q572	DTC114YE-X	TRANSISTOR			C2202	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
Q2101	2SD2114K/VW/-X	TRANSISTOR			C2207	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
Q2131	2SD2114K/VW/-X	TRANSISTOR			C2208	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
Q2151	DTA114YE-X	TRANSISTOR			C2211	NCB31HK-331X	C CAPACITOR	330pF 50V K	
Q2152	DTC114YE-X	TRANSISTOR			C2212	NCB31HK-331X	C CAPACITOR	330pF 50V K	
Q2154	DTA114YE-X	TRANSISTOR			C2213	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
Q2155	DTA114YE-X	TRANSISTOR			C2214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
					C2215	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
					C2216	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
					C2230	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
					C2237	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
					C2238	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
					C2241	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
					C2242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
					C2243	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
					C2244	NCS31HJ-181X	C CAPACITOR	180pF 50V J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C2245	NCB31CK-683X	C CAPACITOR	0.068uF 16V K		C2535	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2246	NCB31CK-683X	C CAPACITOR	0.068uF 16V K		C2536	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2247	NCB31HK-182X	C CAPACITOR	1800pF 50V K		C2537	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2248	NCB31HK-182X	C CAPACITOR	1800pF 50V K		C2538	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2251	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2539	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2540	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C2255	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2560	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2256	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2561	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2261	NEA71CM-106X	E CAPACITOR	10uF 16V M		C2562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2262	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z		C2563	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2263	NEA71CM-106X	E CAPACITOR	10uF 16V M		C2565	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2264	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z		C2568	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2265	NEA71CM-106X	E CAPACITOR	10uF 16V M		C2571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2266	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z		C2572	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2267	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z		C2573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2268	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		C2574	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C2575	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2270	NCB31AK-224X	C CAPACITOR	0.22uF 10V K		C2576	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2271	NEA71EM-475X	E CAPACITOR	4.7uF 25V M		C2605	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2272	NEA71EM-475X	E CAPACITOR	4.7uF 25V M		C2606	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2281	NEA71EM-475X	E CAPACITOR	4.7uF 25V M		C2607	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2282	NEA71EM-475X	E CAPACITOR	4.7uF 25V M		C2608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2283	NCS31HJ-330X	C CAPACITOR	33pF 50V J		C2609	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2284	NCS31HJ-330X	C CAPACITOR	33pF 50V J		C2701	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2292	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2702	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2301	NCB31HK-561X	C CAPACITOR	560pF 50V K		C2703	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2302	NCB31HK-561X	C CAPACITOR	560pF 50V K		C2704	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2307	NEA71HM-225X	E CAPACITOR	2.2uF 50V M		C2705	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2308	NEA71HM-225X	E CAPACITOR	2.2uF 50V M		C2706	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2351	NEA71HM-105X	E CAPACITOR	1uF 50V M		C2707	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2352	NEA71HM-105X	E CAPACITOR	1uF 50V M		C2708	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2353	NCS31HJ-330X	C CAPACITOR	33pF 50V J		C2709	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2354	NCS31HJ-330X	C CAPACITOR	33pF 50V J		C2710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2711	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2357	NEA71HM-225X	E CAPACITOR	2.2uF 50V M		C2713	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2358	NEA71HM-225X	E CAPACITOR	2.2uF 50V M		C2715	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2359	NCS31HJ-821X	C CAPACITOR	820pF 50V J		C2801	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2360	NCS31HJ-821X	C CAPACITOR	820pF 50V J		C2807	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2401	NCB31HK-561X	C CAPACITOR	560pF 50V K		C2853	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2407	NEA71HM-225X	E CAPACITOR	2.2uF 50V M		C2855	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2856	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2432	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C2857	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2433	NCS31HJ-330X	C CAPACITOR	33pF 50V J		C2859	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2434	NEA71HM-225X	E CAPACITOR	2.2uF 50V M						
C2435	NCS31HJ-821X	C CAPACITOR	820pF 50V J		R570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2481	NEA70JM-476X	E CAPACITOR	47uF 6.3V M		R573	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C2501	NCB31HK-123X	C CAPACITOR	0.012uF 50V K		R574	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C2502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R575	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C2503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R576	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C2504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R577	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C2505	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C2506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R579	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C2507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C2508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R586	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2511	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R587	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R588	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2001	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2516	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2518	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2519	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2520	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2008	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2522	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R2010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2011	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C2524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2012	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C2525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C2529	NEA70GM-107X	E CAPACITOR	100uF 4V M		R2014	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C2530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2017	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2018	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2532	NEA70GM-107X	E CAPACITOR	100uF 4V M		R2021	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C2533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2022	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C2534	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R2023	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R2536	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J	LC506	NQR0450-001X	EMI FILTER	0.022uF 50V M	
R2560	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	LC507	NQR0450-001X	EMI FILTER	0.022uF 50V M	
R2561	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	UN560	GP1FA351TZ	OPT TRANSMITTER		
R2562	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	UN561	GP1FA351RZ	OPT RECEIVER		
R2563	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	UN562	GP1FA351RZ	OPT RECEIVER		
R2565	NRSA63J-750X	MG RESISTOR	75Ω	1/16W J	UN563	GP1FA351RZ	OPT RECEIVER		
R2568	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	X581	NAX0275-001X	1COSCIALLATOR	6.144MHz	
R2575	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	X2501	NAX0308-001X	RESONATOR	12.500MHz	
R2576	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J	X2701	NAX0435-001X	CRYSTAL	24.576MHz	
R2577	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2578	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2579	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2580	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2581	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2582	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2583	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2584	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2586	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2587	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2588	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2589	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2590	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2591	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2592	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R2593	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R2594	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2597	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J					
R2599	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R2611	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2612	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2613	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2614	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2615	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2616	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2620	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2621	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2622	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2623	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2624	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2625	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2626	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2627	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2628	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2629	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2630	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2631	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2632	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2633	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2634	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2635	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2636	NRSA63J-470X	MG RESISTOR	47Ω	1/16W J					
R2701	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R2702	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2703	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2704	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2705	NRSA63J-183X	MG RESISTOR	18kΩ	1/16W J					
R2711	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2712	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2713	NRSA63J-221X	MG RESISTOR	220Ω	1/16W J					
R2801	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R2805	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J					
R2807	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J					
R2857	NRSA63J-473X	MG RESISTOR	47kΩ	1/16W J					
R2859	NRSA63J-273X	MG RESISTOR	27kΩ	1/16W J					
R2861	NRSA63J-0R0X	MG RESISTOR	0Ω	1/16W J					
R2863	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J					
CN581	QGB1214K1-14S	CONNECTOR	B-B	(1-14)					
CN587	QGB2510K1-07	CONNECTOR	B-B	(1-7)					
CN588	QGF1205C1-06	CONNECTOR	FFC/FPC	(1-6)					
EP561	E409182-001SM	GRAND TERMINAL							
J564	QNN0347-001	PIN JACK							
K2261	NQR0007-003X	FERRITE BEADS							
K2262	NQR0007-003X	FERRITE BEADS							
K2263	NQR0007-003X	FERRITE BEADS							
K2264	NQR0007-003X	FERRITE BEADS							
K2606	NQR0269-004X	FERRITE BEADS							
LC505	NQR0450-001X	EMI FILTER	0.022uF	50V M					

Packing materials and accessories parts list

Block No. M 3 M M



Packing and accessories

Block No. M3MM

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	LVT1007-002A	7030/8030 INST	ENG,FRE	7030V BKC
A 1	LVT1007-001A	7030/8030 INST	ENG	7030V BKJ
A 2	EWP503-001C	ANT.WIRE		
A 3	QAL0014-001	AM LOOP ANT		
A 4	BT-51028-2	J=REGIST CARD		7030V BKJ
A 5	YU20333	SAFETY INST.		7030V BKJ
A 6	-----	BATTERY	(x2)	
A 7	BT-52006-2	WARRANTY CARD		7030V BKC
A 8	RM-SRX7030J	REMOCON		

△ Symbol No.	Part No.	Part Name	Description	Local
P 1	LV21445-001A	CARTON BOX		
P 2	LV32034-004A	SHEET	(x2)	
P 3	LV20947-001A	PACKING PAD(F)		
P 4	LV20948-002A	PACKING PAD(R)		
P 5	QPC06507015P	POLY BAG	65cm x 70cm	
P 6	QPA02503505P	POLY BAG	25cm x 35cm	