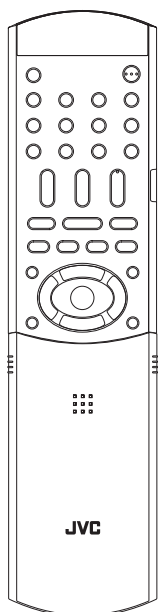


JVC

SERVICE MANUAL

HOME CINEMA CONTROL CENTER

RX-ES9SL



Area Suffix	
B	U.K.
E	Continental Europe
EN	Northern Europe

DIGITAL
dts
SURROUND

DD DOLBY
DIGITAL
PRO LOGIC II

R-D-S

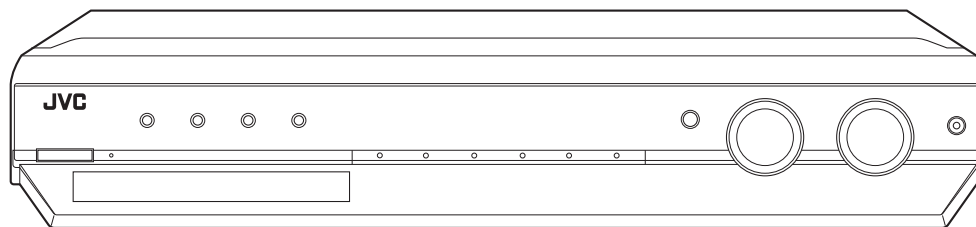


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SPECIFICATION

Amplifier		
Output Power		
At stereo operation	Front channels	100 W per channel, min. RMS, both channels driven into 8 Ω at 1 kHz with no more than 10% total harmonic distortion. IEC268-3)
At surround operation	Front channels	100 W per channel, min. RMS, driven into 8 Ω at 1 kHz with no more than 0.8% total harmonic distortion.
	Center channel	100 W, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
	Surround channels	100 W per channel, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
Audio		
Audio Input Sensitivity/Impedance (1 kHz)	DVD, DVD MULTI, STB, VR, TV : 260 mV/47 kΩ	
Audio Input (DIGITAL IN)*	Coaxial	DIGITAL 1 (VR) : 0.5 V(p-p)/75 Ω
	Optical	DIGITAL 2/3 (STB/DVD) : -21 dBm to -15 dBm (660 nm ±30 nm)
* Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency -32 kHz, 44.1 kHz, 48 kHz).		
Audio Output Level	VR, TV : 250 mV	
Signal-to-Noise Ratio ('66 IHF/DIN)	DVD MULTI : 87 dB/62 dB	
Frequency Response (8 Ω)	DVD, STB, VR, TV : 20 Hz to 20 kHz (±1 dB)	
Tone Control	Bass (100 Hz) : ±10 dB ±2 dB	
	Treble (10 kHz) : ±10 dB ±2 dB	
Bass Boost	+4 dB ± 1 dB at 100 Hz	
Video		
Video Input Sensitivity/Impedance (1 kHz)	Composite video : DVD, STB, VR, TV	1 V(p-p)/75 Ω
	S-VIDEO : DVD, STB, VR	(Y: luminance) : 1 V(p-p)/75 Ω (C: chrominance) : 0.286 V(p-p)/75 Ω
	RGB : DVD, STB, VR	0.7 V(p-p)/75 Ω
Video Output Level/Impedance (1 kHz)	Composite video : VR, TV	1 V(p-p)/75 Ω
	S-VIDEO : TV	(Y: luminance) : 1 V(p-p)/75 Ω (C: chrominance) : 0.286 V(p-p)/75 Ω
	RGB : TV	0.7 V(p-p)/75 Ω
Signal-to-Noise Ratio (S/N)	45 dB	
Synchronize	Negative	
FM tuner (IHF)		
Tuning Range	87.50 MHz to 108.00 MHz	
Usable Sensitivity	Monaural : 17.0 dBf (1.95 μV/75 Ω)	
50 dB Quieting Sensitivity	Monaural : 21.3 dBf (3.2 μV/75 Ω)	
	Stereo : 41.3 dBf (31.5 μV/75 Ω)	
Stereo Separation at REC OUT	35 dB at 1 kHz	
AM (MW) tuner		
Tuning Range	MW : 522 kHz to 1 629 kHz	
General		
Power Requirements	AC 230 V, 50 Hz	
Power Consumption	105 W (at operation)	
	2 W (in standby mode)	
Dimensions (W × H × D)	435 mm × 69.5 mm × 330.5 mm	
Mass	6.6 kg	

Designs & specifications are subject to change without notice

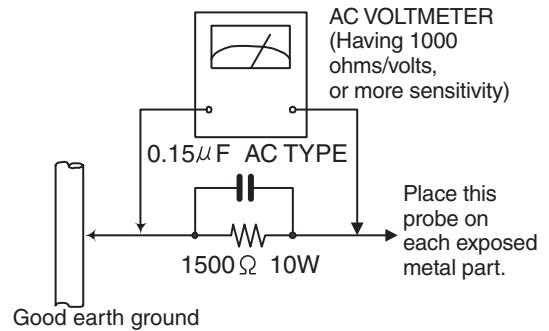
SECTION 1 PRECAUTION

1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
- (5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.
 - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
 - Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 Ω per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

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

1.5 Safety Precautions (U.K only)

- (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.
- (2) Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
- (3) Essential safety critical components are identified by () on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and 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 re-assembling.

1.5.1 Warning

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



CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Removing the top cover (See Figs.1 and 2)

- (1) From the back side of the main body, remove the three screws **A** attaching the top cover. (See Fig.1)
- (2) From the both sides of the main body, remove the four screws **B** attaching the top cover. (See Fig.1)
- (3) Remove the top cover by moving up the back part of the top cover and release the six joints **a** using a longer driver from the inside. (See Fig.2.)

Note:

- Do not damage any part and board inside the main body when releasing the joints **a** using a longer driver.

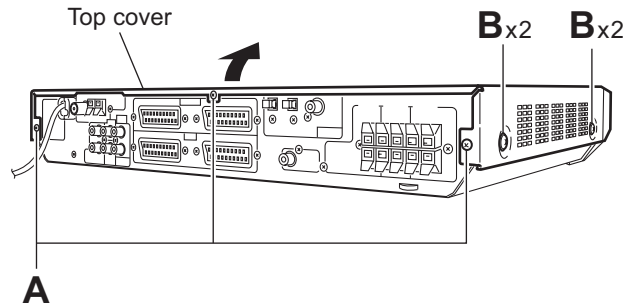


Fig.1

3.1.2 Removing the front panel assembly (See Figs.2 to 4.)

- Prior to perform the following procedures, remove the top cover.
- (1) From the top side of the main body, cut the tie bands and disconnect the wire from the connector **CN451** on the main board. (See Fig.2.)
 - (2) From the bottom side of the main body, remove the four screws **C** attaching the front panel assembly. (See Fig.3.)
 - (3) From the both sides of the main body, release the joints **b** and remove the front panel assembly in the direction of the arrow. (See Fig.4.)
 - (4) From the top side of the main body, remove the screw **D** attaching the earth wire on the DC power board. (See Fig.2.)

References:

- After attaching the front panel assembly, bundling the wires using the new tie bands.
- When attaching the screw **D**, attach the earth wire with it.

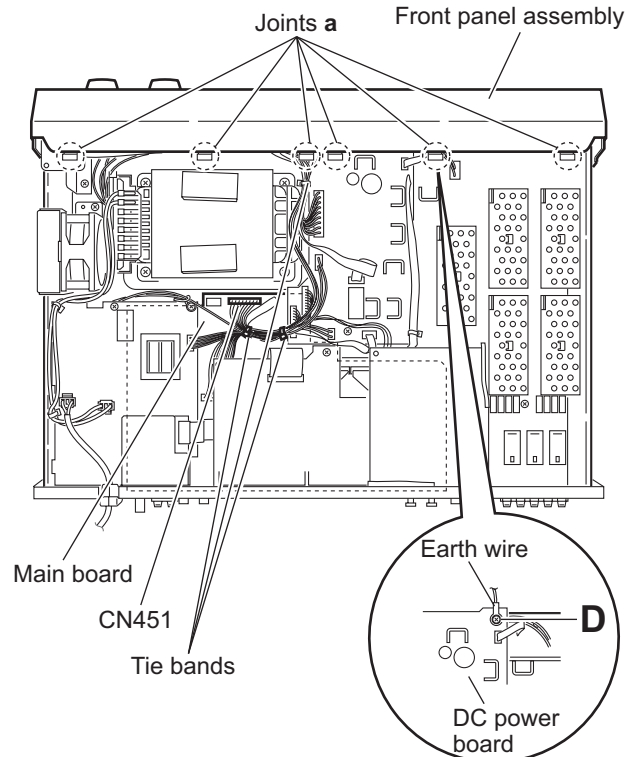


Fig.2

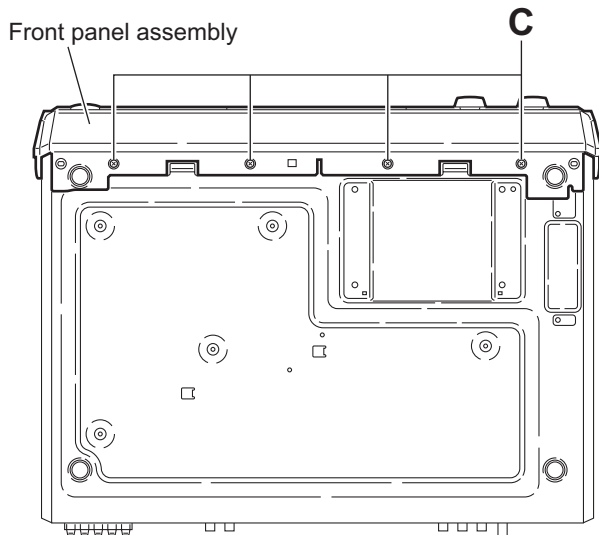


Fig.3

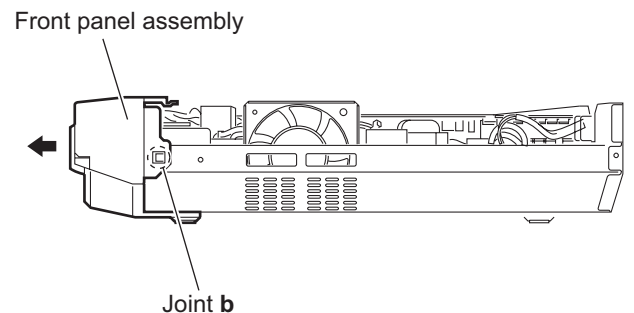
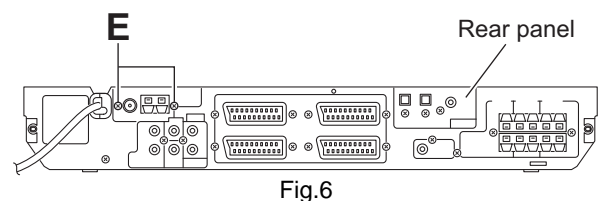
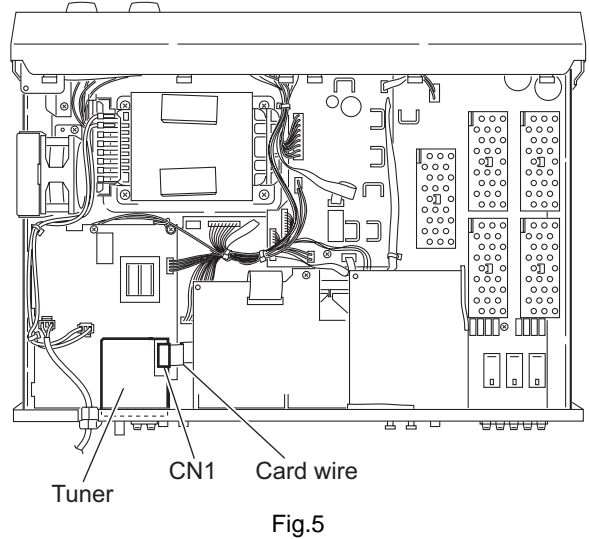


Fig.4

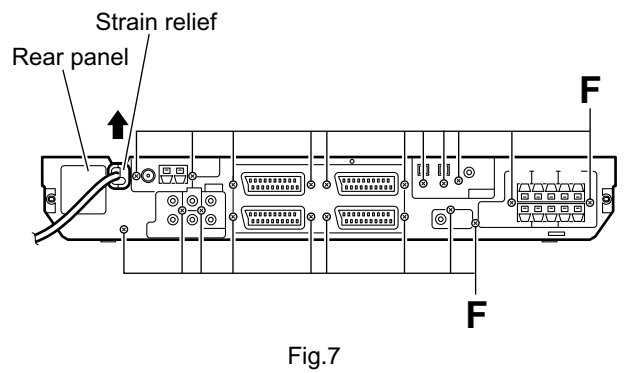
3.1.3 Removing the tuner (See Figs.5 and 6.)

- Prior to perform the following procedures, remove the top cover.
 - (1) From the top side of the main body, disconnect the card wire from the connector **CN1** on the tuner. (See Fig.5.)
 - (2) From the back side of the main body, remove the two screws **E** attaching the tuner to the rear panel. (See Fig.6.)



3.1.4 Removing the rear panel (See Fig.7)

- Prior to perform the following procedures, remove the top cover.
 - (1) From the back side of the main body, remove strain relief from the rear panel in the direction of the arrow.
 - (2) Remove the twenty screws **F** attaching the rear panel.

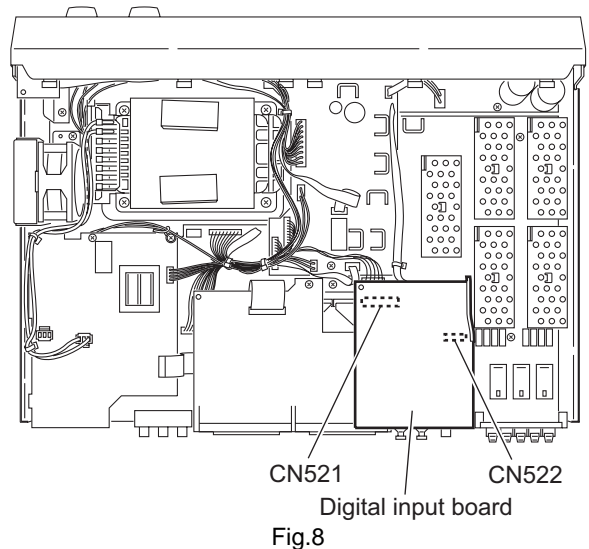


3.1.5 Removing the digital input board (See Fig.8)

- Prior to perform the following procedures, remove the top cover, tuner and rear panel.

Reference:

- Remove the tuner as required.
 - (1) From the top side of the main body, remove the connector **CN521** on the digital input board in an upward direction.
 - (2) From the reverse side of the digital input board, disconnect the card wire from the connector **CN522** on the digital input board.

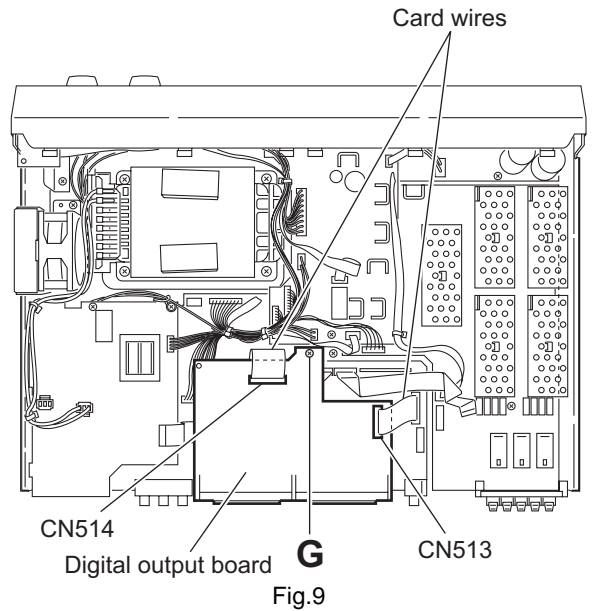


3.1.6 Removing the digital output board (See Fig.9)

- Prior to perform the following procedures, remove the top cover, tuner, rear panel and digital input board.

Reference:

- Remove the tuner as required.
- (1) Disconnect the card wires from the connectors [CN513](#) and [CN514](#) on the digital output board.
 - (2) Remove the screw **G** attaching the digital output board.

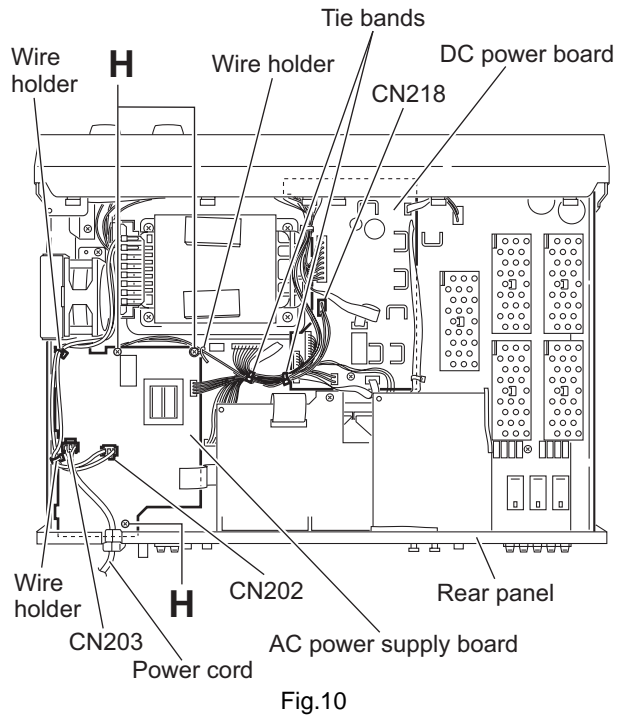


3.1.7 Removing the AC power supply board (See Fig.10)

- Prior to perform the following procedures, remove the top cover and tuner.
- (1) From the top side of the main body, disconnect the power cord from the connector [CN203](#) on the AC power supply board and remove it from the rear panel.
 - (2) Cut the tie bands and disconnect the wire from the connector [CN218](#) on the DC power board.
 - (3) Remove the three screws **H** attaching the AC power supply board.
 - (4) Disconnect the wire from the connector [CN202](#) on the AC power supply board and remove the wire holders from the reverse side of the AC power supply board.

Reference:

- When attaching the three screws **H**, attach the wire holder with it.



3.1.8 2.1.8 Removing the power transformer (See Fig.11)

- Prior to perform the following procedures, remove the top cover and front panel assembly.
 - (1) From the top side of main body, disconnect the wire from the connector [CN202](#) on the AC power supply board.
 - (2) Remove the strain relief holding the power cord and remove the three screws **H** attaching the AC power supply board.
 - (3) Lift the AC power supply board and remove the wire holders from the reverse side of the AC power board.
 - (4) Cut the tie band.
 - (5) Disconnect the wire from the connector [CN201](#) on the DC power board.
 - (6) Disconnect the wire from the connector [CN702](#) on the rectifier board.
 - (7) Remove the four screws **J** attaching the power transformer.

Reference:

- After attaching the front panel assembly, bundling the wires using the new tie bands.

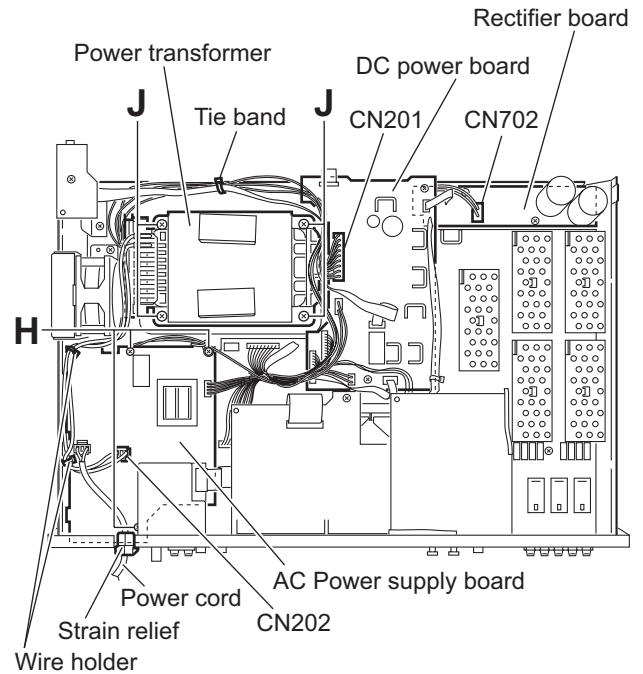


Fig.11

3.1.9 Removing the fan motor (See Figs.12 and 13)

- Prior to perform the following procedures, remove the top cover.
 - (1) From the top side of the main body, cut the tie bands and disconnect the wire from the connector [CN207](#) on the DC power board. (See Fig.12.)
 - (2) Remove the screw **K** and screw **K'** attaching the fan assembly, then remove the fan assembly. (See Fig.12.)
 - (3) Remove the two screws **L** attaching the fan motor to the fan bracket. (See Fig.13.)

Reference:

- After attaching the screw **K'**, attach the wire holder with it.

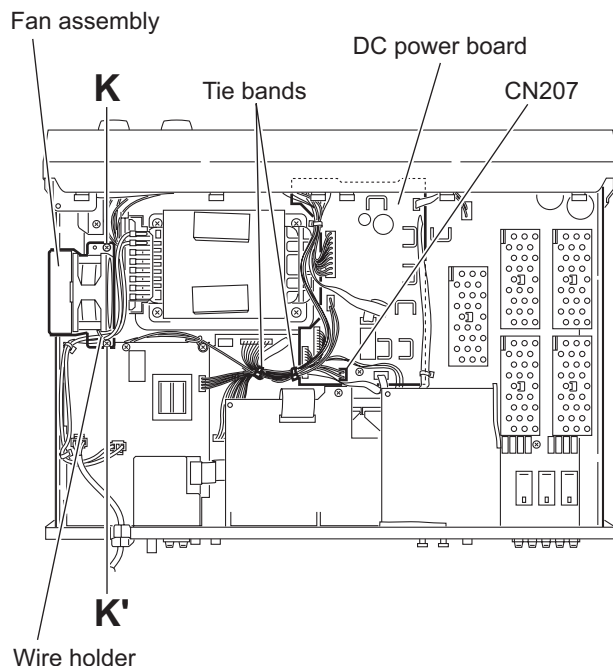


Fig.12

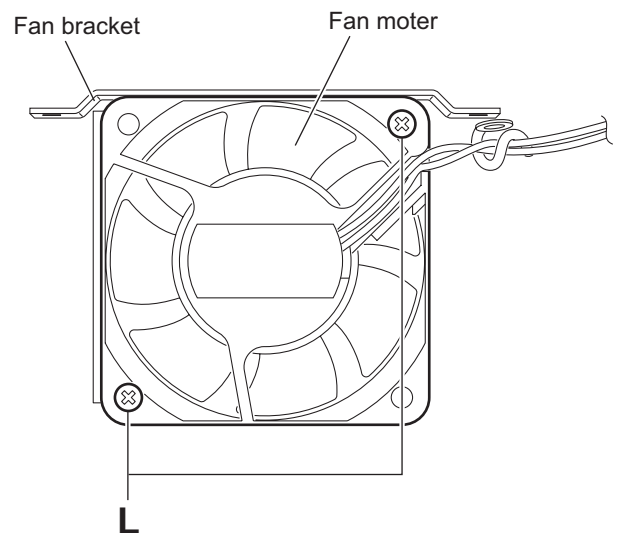


Fig.13

3.1.10 Removing the DC power board (See Fig.14)

- Prior to perform the following procedures, remove the top cover, front panel assembly, rear panel and digital input board.
 - From the top side of the main body, disconnect the wires from the connectors (CN201, CN206, CN207, CN211, CN218, CN510, CN520 and CN711) on the DC power board.
 - Disconnect the parallel wire from the connector CN712 on the amp. board.
 - Remove the two screws M attaching the DC power board.

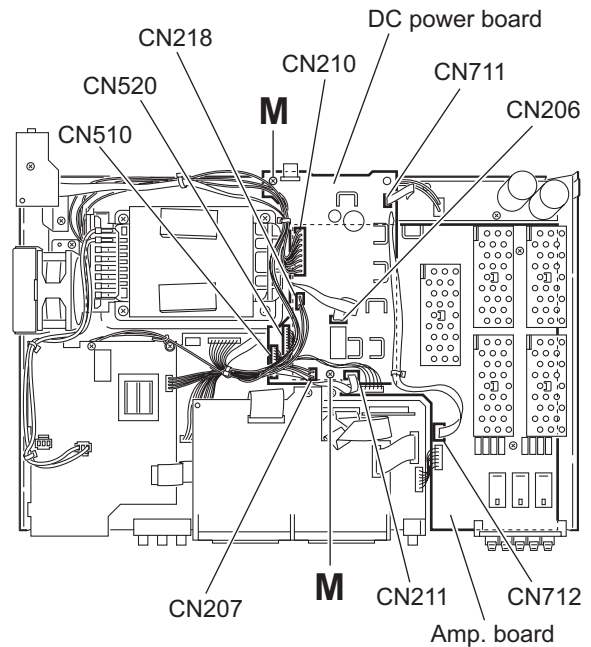


Fig.14

3.1.11 Removing the main board (See Fig.15)

- Prior to perform the following procedures, remove the top cover, front panel assembly, rear panel, digital input board, digital output board, AC power supply board and DC power board.
 - From the top side of the main body, disconnect the wires from the connector CN525 on the main board.
 - Disconnect the wires from the connectors CN516 and CN519 on the amp. board.
 - Remove the two screws N attaching the main board.

Reference:

- When attaching the two screws N, attach the wire holder with it.

3.1.12 Removing the amp. board (See Fig.15)

- Prior to perform the following procedures, remove the top cover, front panel assembly, rear panel, digital input board, digital output board, AC power supply board and DC power board.
 - From the top side of the main body, disconnect the wires from the connectors CN516 and CN519 on the amp. board.
 - Disconnect the wire from the connector CN525 on the main board.
 - Disconnect the wire from the connector CN703 on the rectifier board.
 - Remove the four screws P attaching the amp. board.

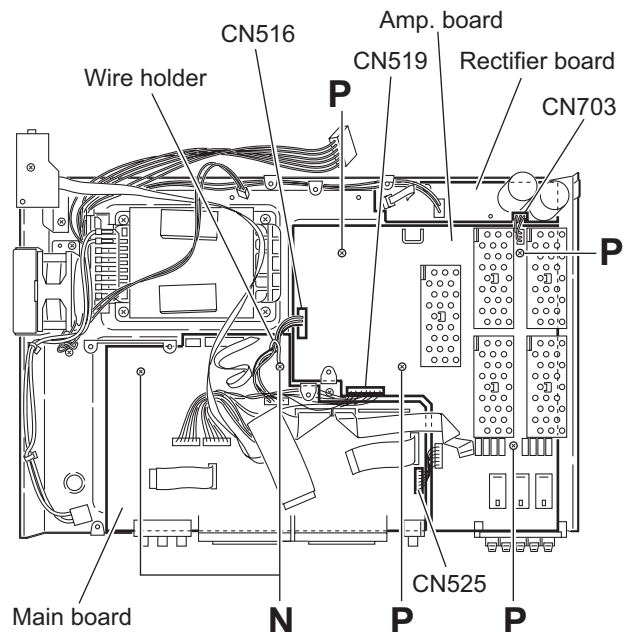


Fig.15

3.1.13 Removing the rectifier board

(See Fig.16)

- Prior to perform the following procedures, remove the top cover and front panel assembly.
 - (1) From the top side of the main body, disconnect the wires from the connectors [CN702](#) and [CN703](#) on the rectifier board.
 - (2) Disconnect the parallel wire from the connector [CN711](#) on the DC power board.
 - (3) Remove the two screws **Q** attaching the rectifier board.

3.1.14 Removing the headphone jack board

(See Fig.16)

- Prior to perform the following procedures, remove the top cover and the front panel.
 - (1) From the top side of the main body, cut the tie bands.
 - (2) Disconnect the wire from the connector [CN206](#) on the DC power board.
 - (3) Remove the screw **R** attaching the headphone jack board.

Reference:

- After attaching the front panel assembly, bundling the wires using the new tie bands.

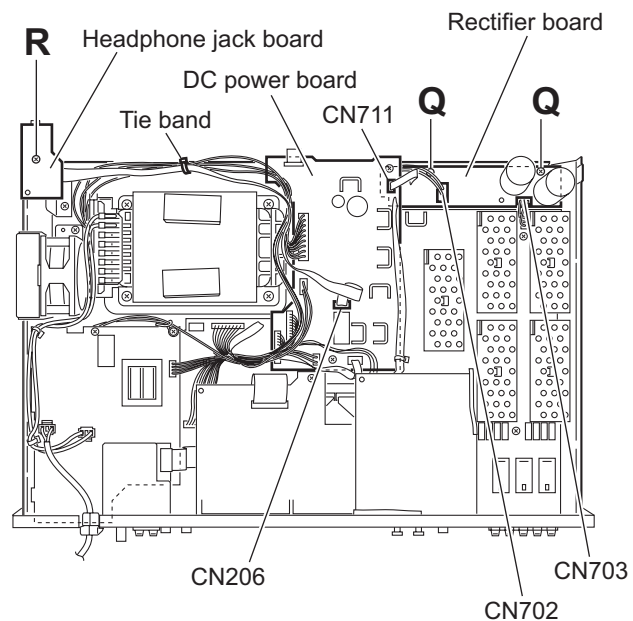


Fig.16

3.1.15 Removing the FL board

(See Fig.17)

- Prior to perform the following procedures, remove the top cover and front panel assembly.
 - (1) From the inside of the front panel assembly, remove the six screws **S** attaching the FL board.
 - (2) Disconnect the wire from the connector [CN403](#) on the FL board.
 - (3) Disconnect the connector [CN401](#) on the FL board in an upward direction.

3.1.16 Removing the volume board

(See Fig.17)

- Prior to perform the following procedures, remove the top cover and front panel assembly.
 - (1) From the inside of the front panel assembly, remove three screws **T** attaching the volume board.
 - (2) Disconnect the wire from the connector [CN403](#) on the FL board.

3.1.17 Removing the SW board

(See Fig.18)

- Prior to perform the following procedure, remove the top cover, front panel assembly and FL board.
 - (1) From the inside of the front panel assembly, remove the seven screws **U** attaching the SW board.

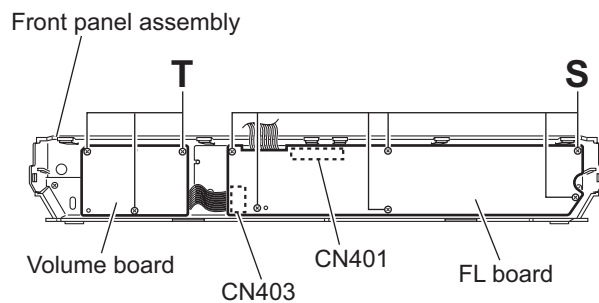


Fig.17

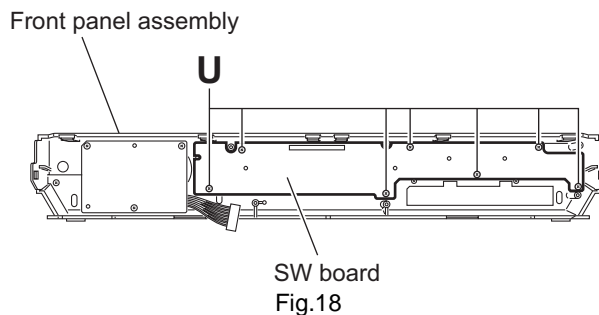


Fig.18

SECTION 4 ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



JVC

VICTOR COMPANY OF JAPAN, LIMITED

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

(No.MB127)



Printed in Japan
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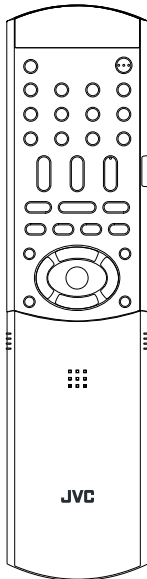
JVC

SCHEMATIC DIAGRAMS

HOME CINEMA CONTROL CENTER

RX-ES9SL

CD-ROM No.SML200312

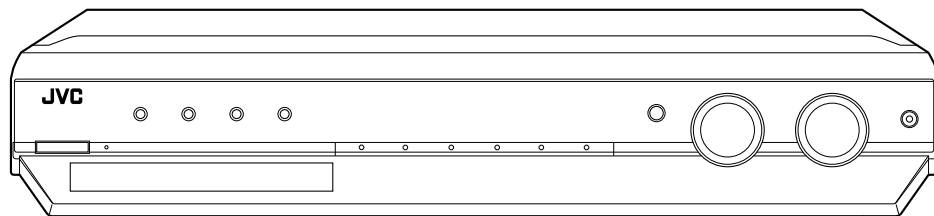


Area suffix	
B	U.K.
E	Continental Europe
EN	Northern Europe

DIGITAL
dts
SURROUND

DD DOLBY
DIGITAL
PRO LOGIC II

R-D-S



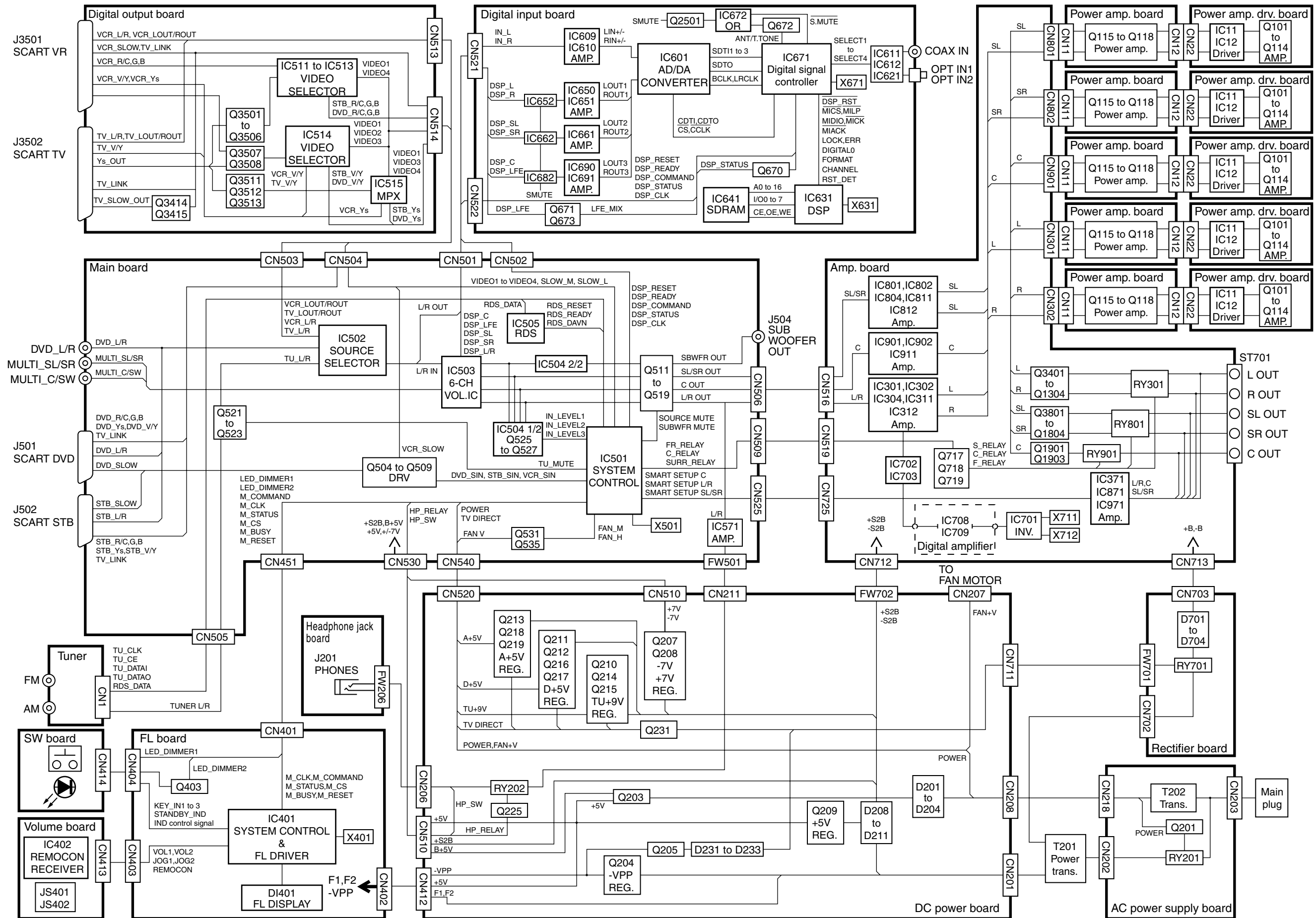
Contents

Block diagram	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-10 to 15

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.

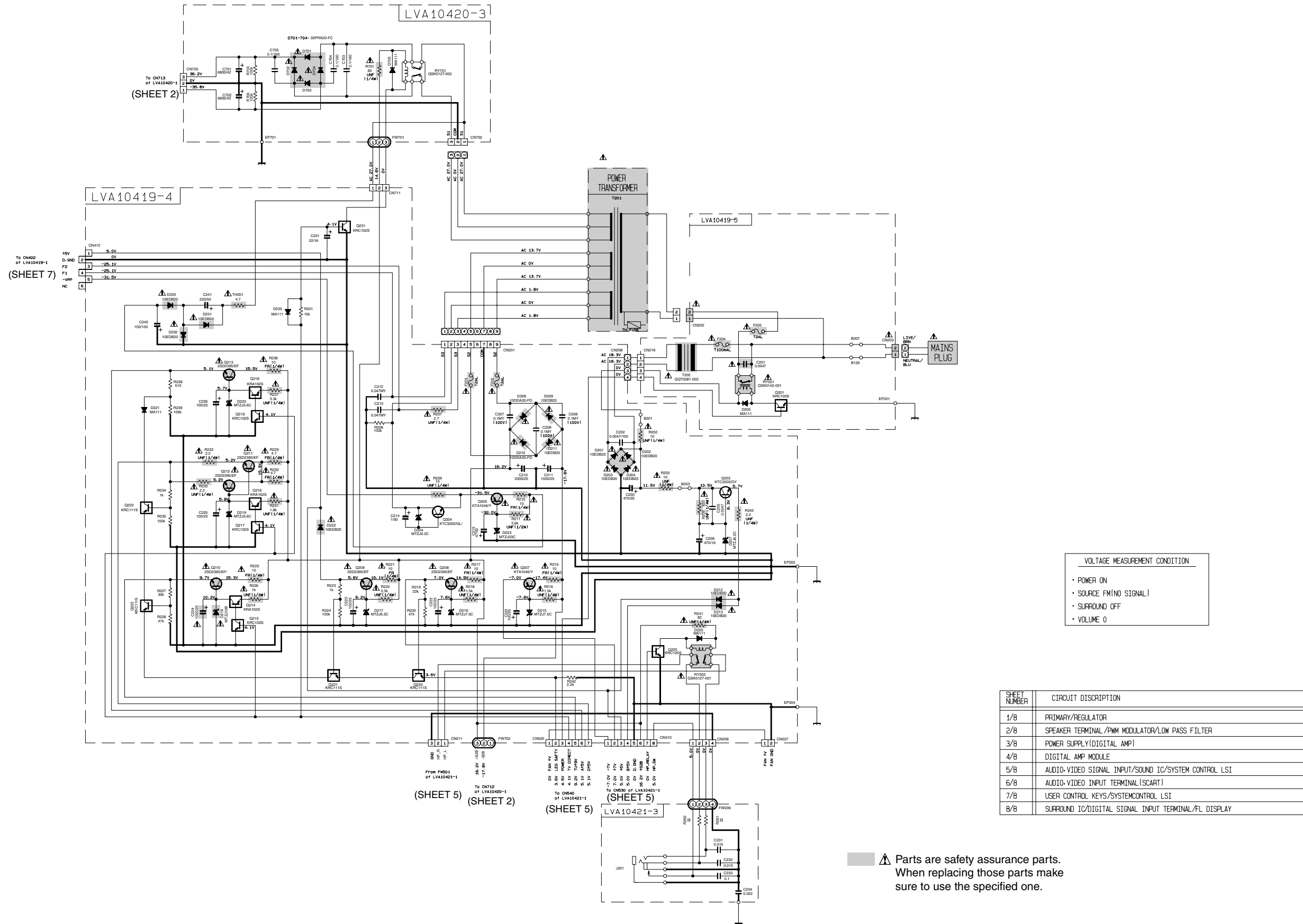
(This regulation does not correspond to J and C version.)

Block diagram



Standard schematic diagrams

■ Primary / Regulator section



VOLTAGE MEASUREMENT CONDITION

- POWER ON
- SOURCE FREQ SIGNAL
- SURROUND OFF
- VOLUME 0

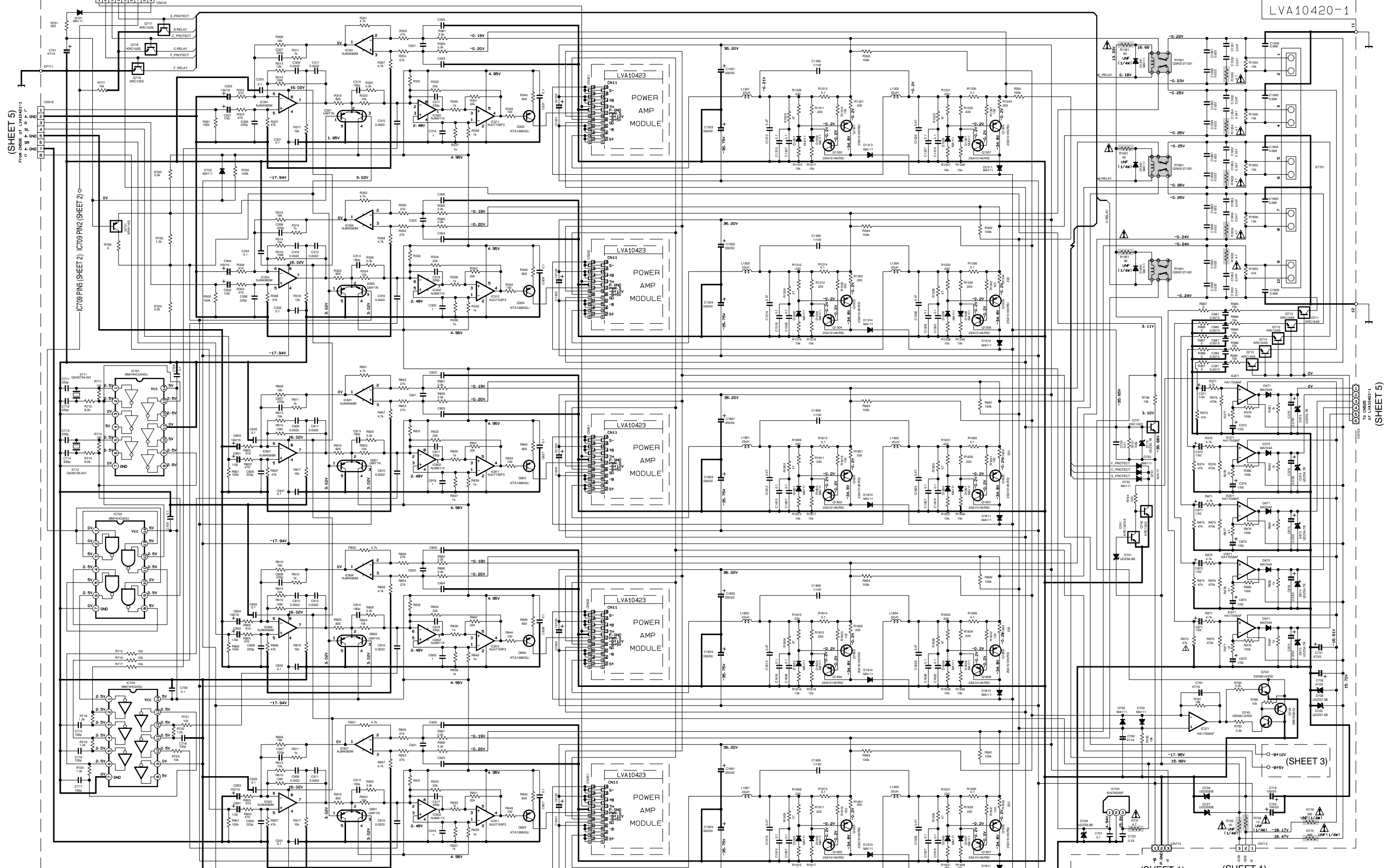
SHEET NUMBER	CIRCUIT DISCRIPTION
1/8	PRIMARY/REGULATOR
2/8	SPEAKER TERMINAL/PWM MODULATOR/LOW PASS FILTER
3/8	POWER SUPPLY(DIGITAL AMP)
4/8	DIGITAL AMP MODULE
5/8	AUDIO-VIDEO SIGNAL INPUT/SOUND IC/SYSTEM CONTROL LSI
6/8	AUDIO-VIDEO INPUT TERMINAL(SCART)
7/8	USER CONTROL KEYS/SYSTEMCONTROL LSI
8/8	SURROUND IC/DIGITAL SIGNAL INPUT TERMINAL/FL DISPLAY

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

■ Speaker terminal / PWM modulator / Low pass filter section

(SHEET 5) From CN059 of LVA10421-1

LVA10420-1



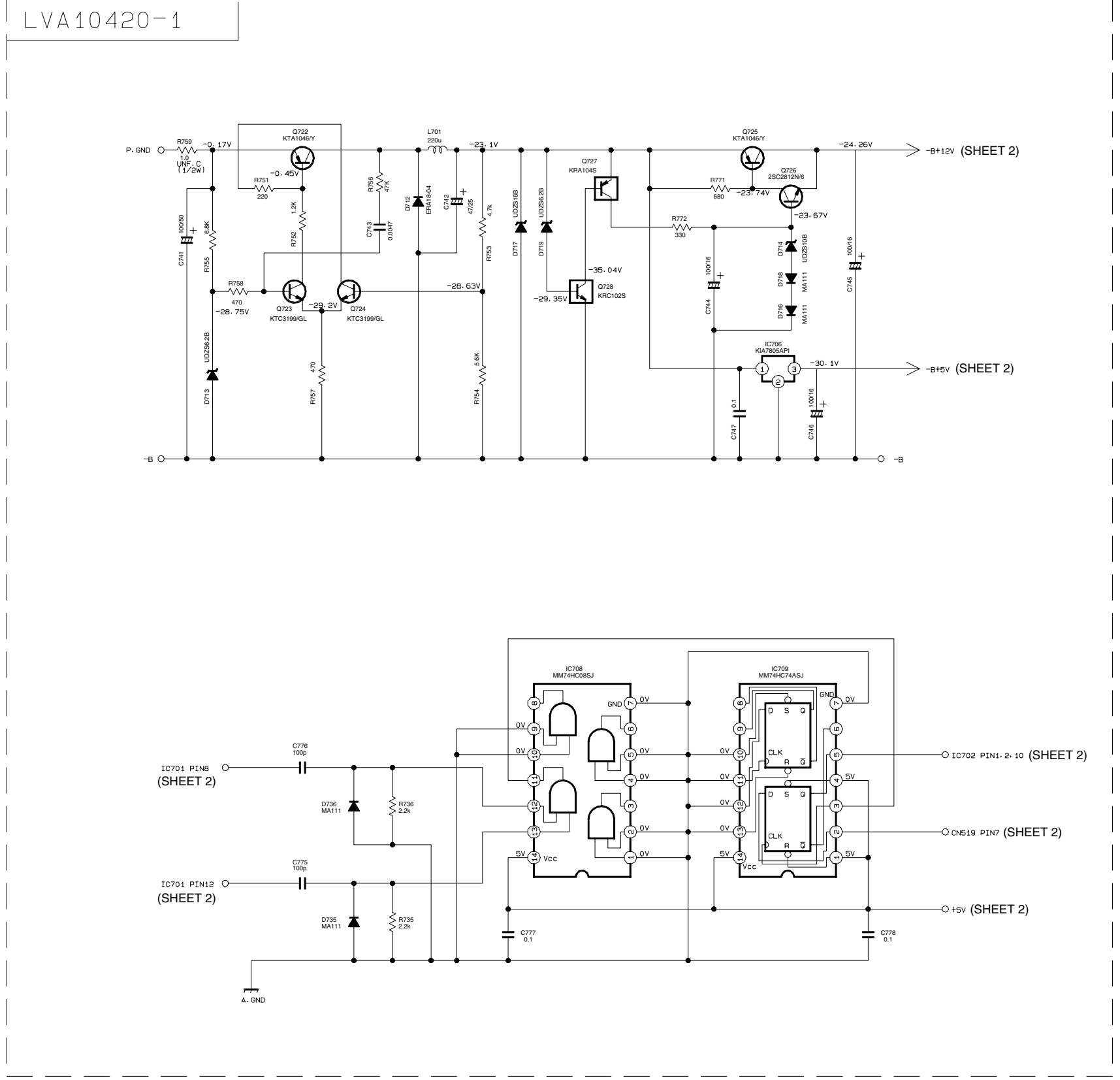
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From CN059 of LVA10421-1
L
R
A
C

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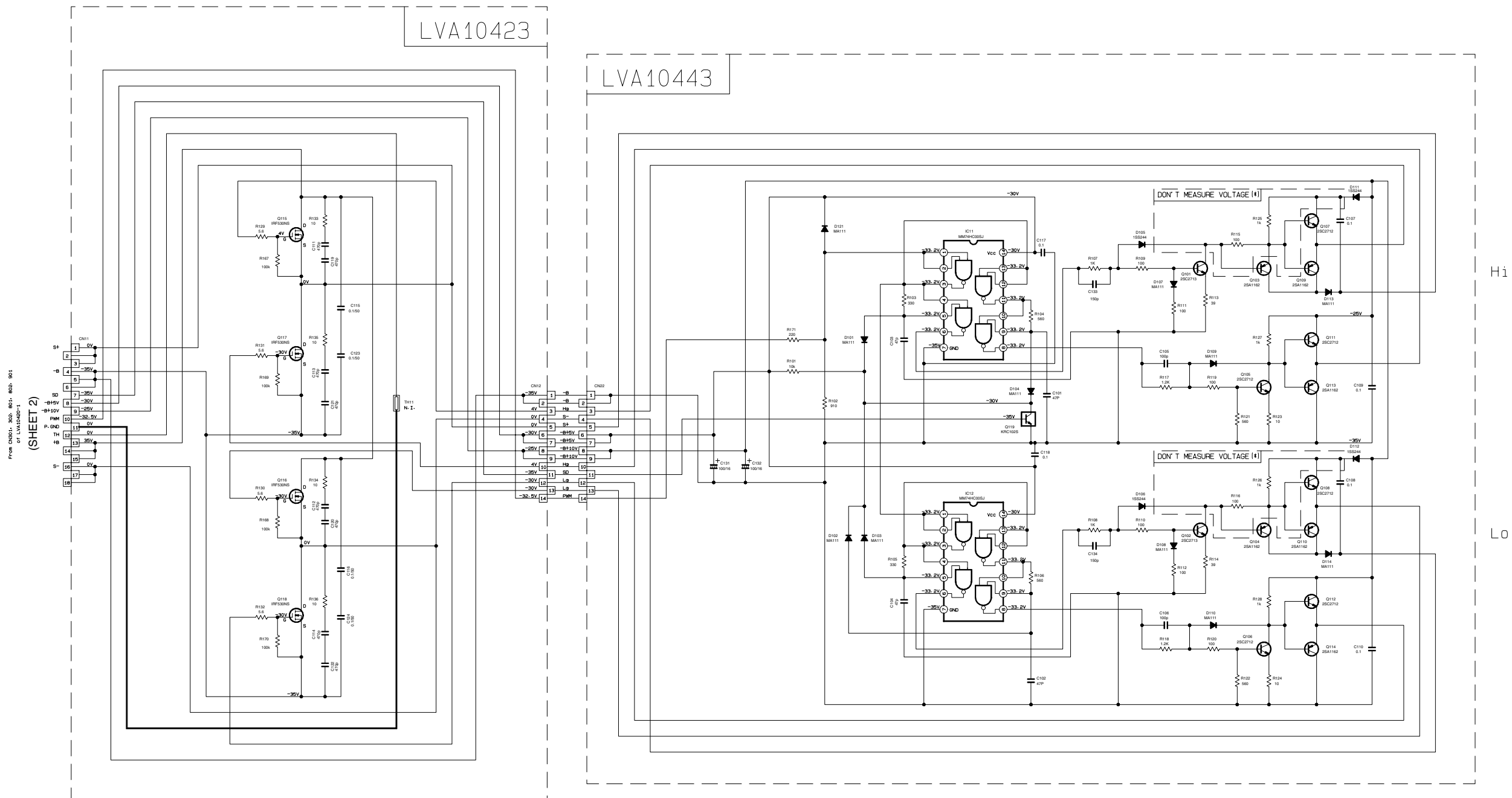
(SHEET 1) (SHEET 1)
▲ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

SHEET 2

■ Power supply (Digital amplifier) section

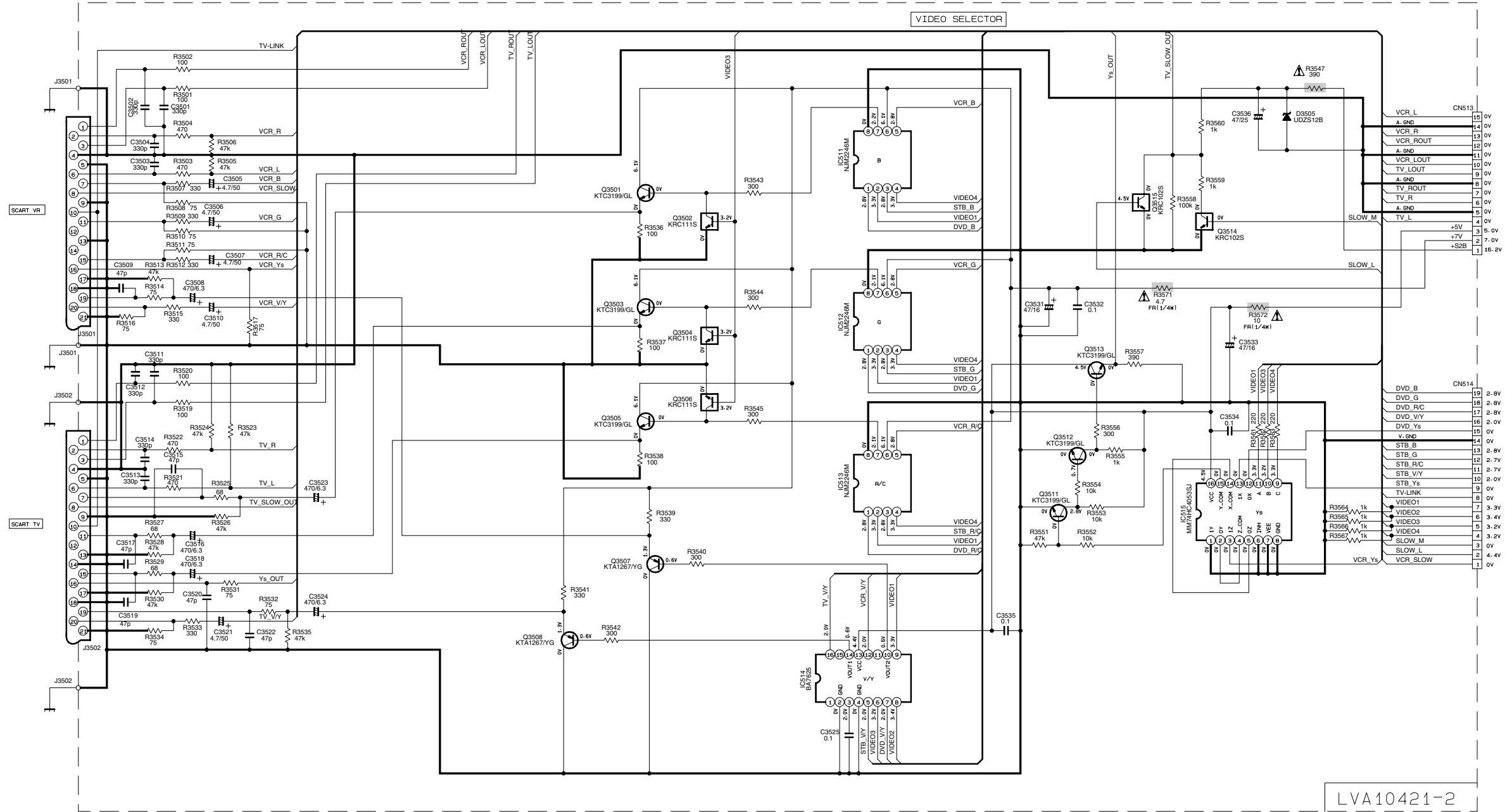


■ Digital amplifier module section



*NOTE
DON'T MEASURE VOLTAGE AT THIS AREA BECAUSE THE UNIT IS BROKEN.

■ Audio, video input terminal (SCART) section



From CN503
of LVA10421-1

(SHEET 5)

From CN504
of LVA10421-1

(SHEET 5)

LVA10421-2

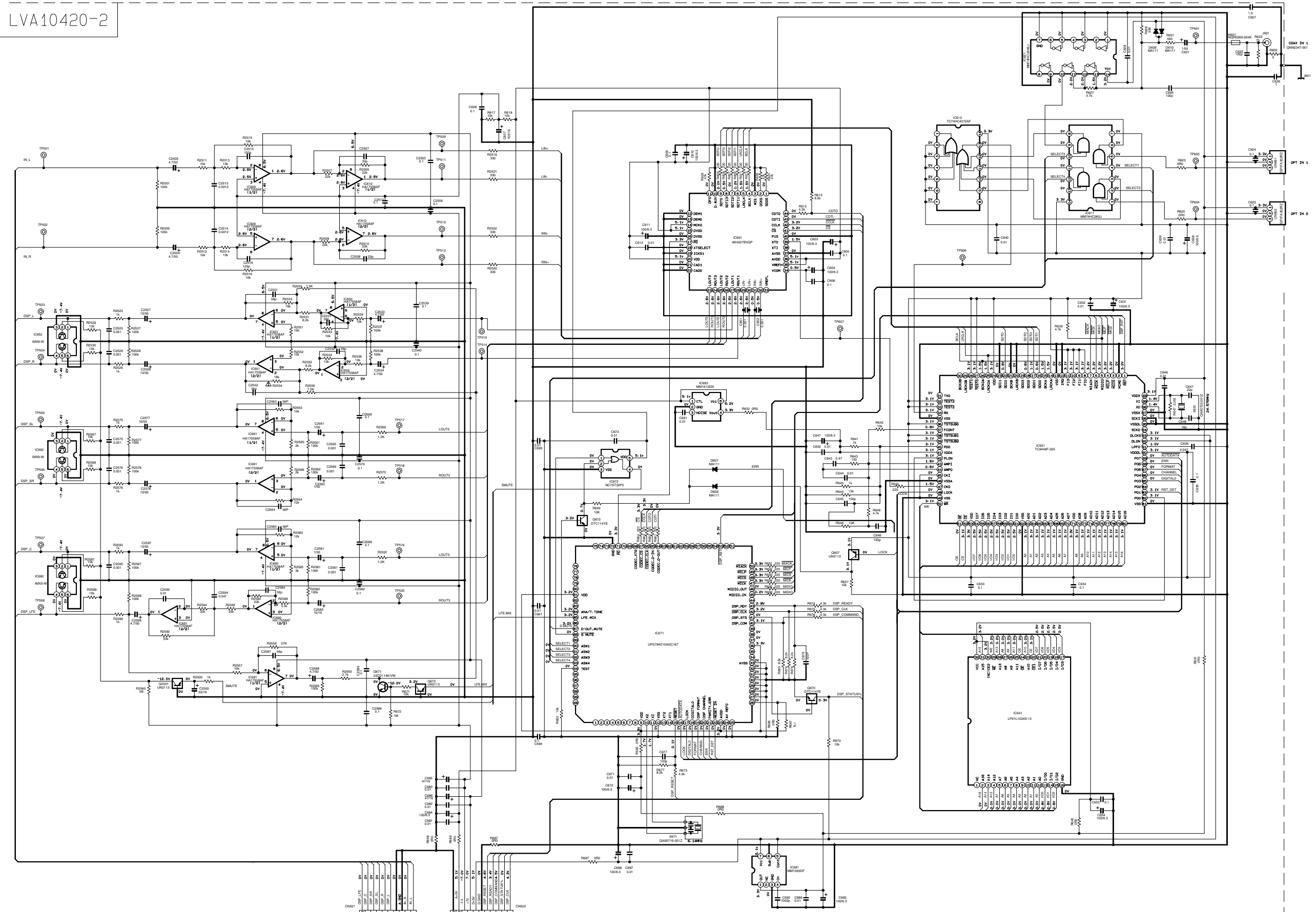
⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

CONTROL LOGIC

SOURCE	VIDEO1	VIDEO2	VIDEO3	VIDEO4
DVD MULTI	L	H	L	L
DVD	L	H	L	L
STB	H	H	L	L
VCR	H	L	L	H
TV	L	L	H	L
FM/AM	H	H	H	H

Surround IC / Digital signal input terminal section

LVA10420-2

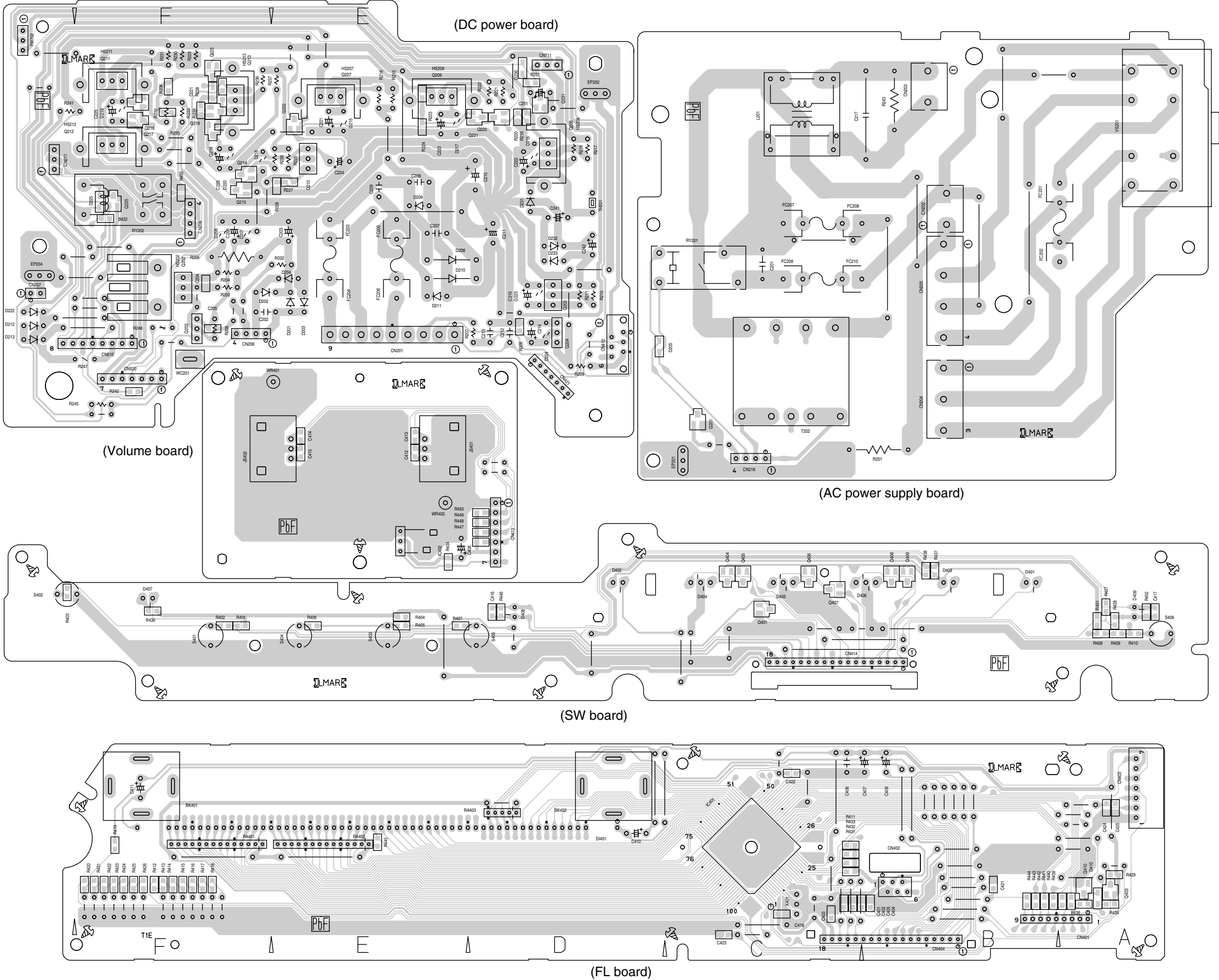


From CH02 of LVA10421-1
(SHEET 5)

From CH02 of LVA10421-1
(SHEET 5)

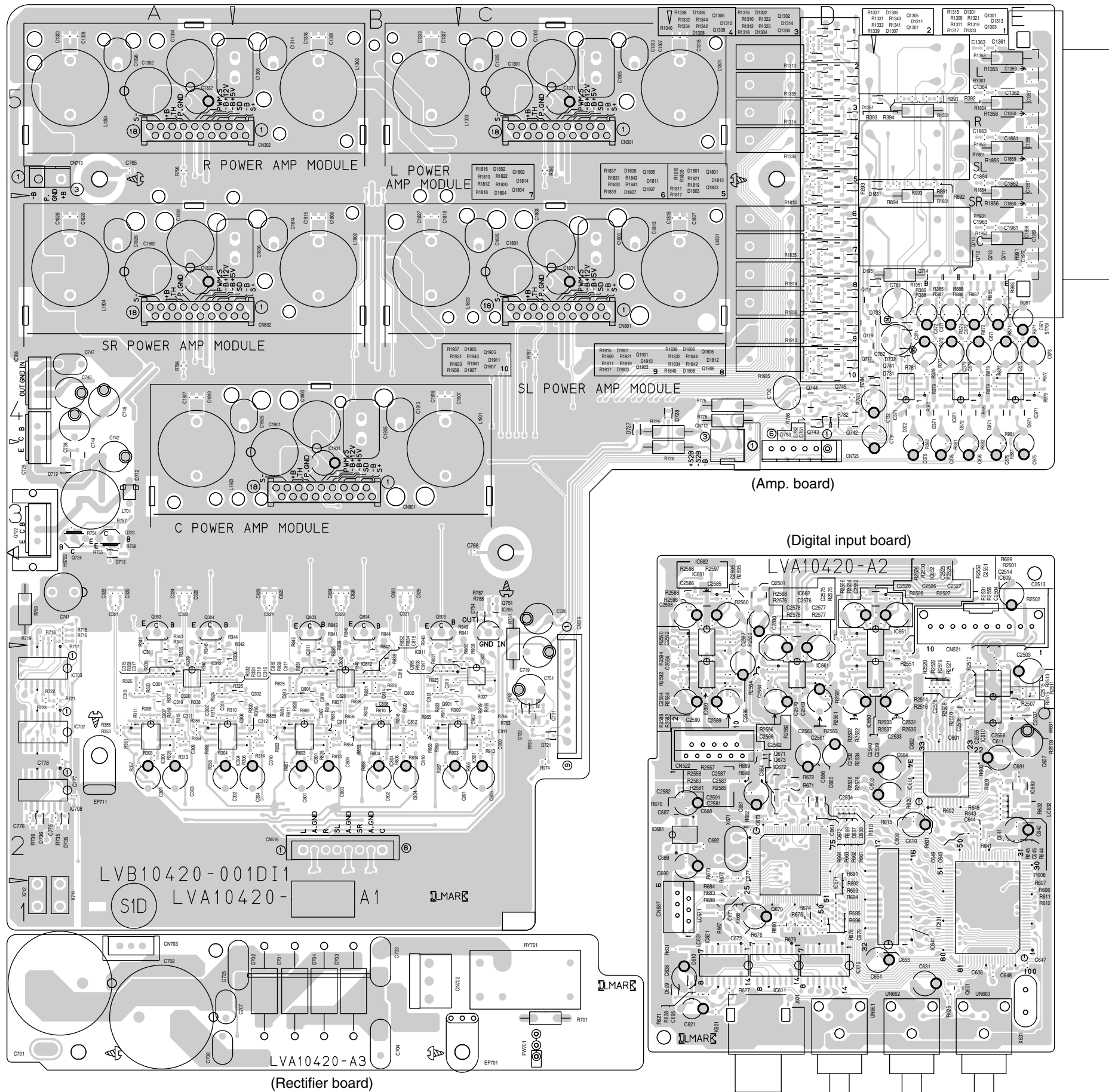
Printed circuit boards

■ Front board



■ Amp. board

Forward side

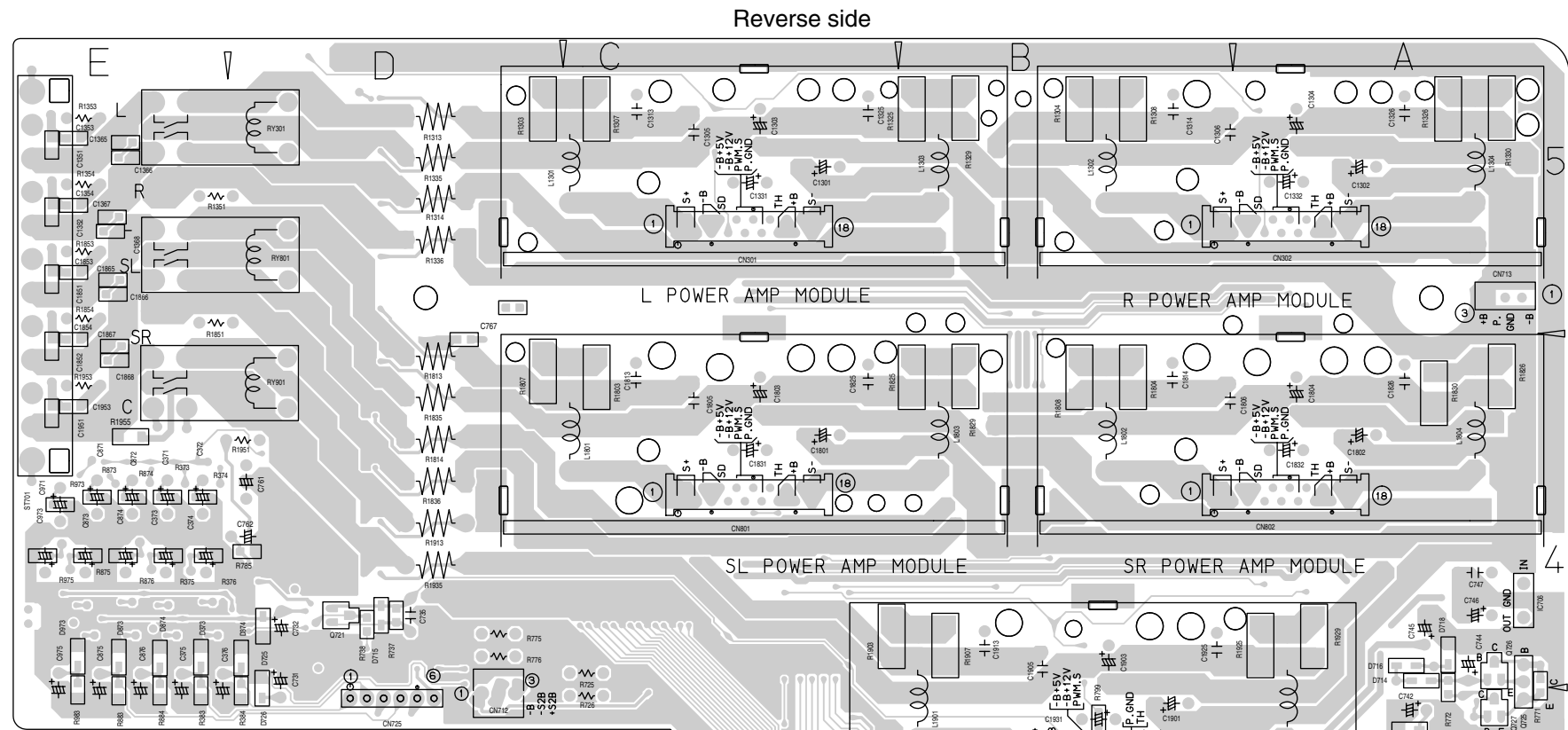


(Amp. board)

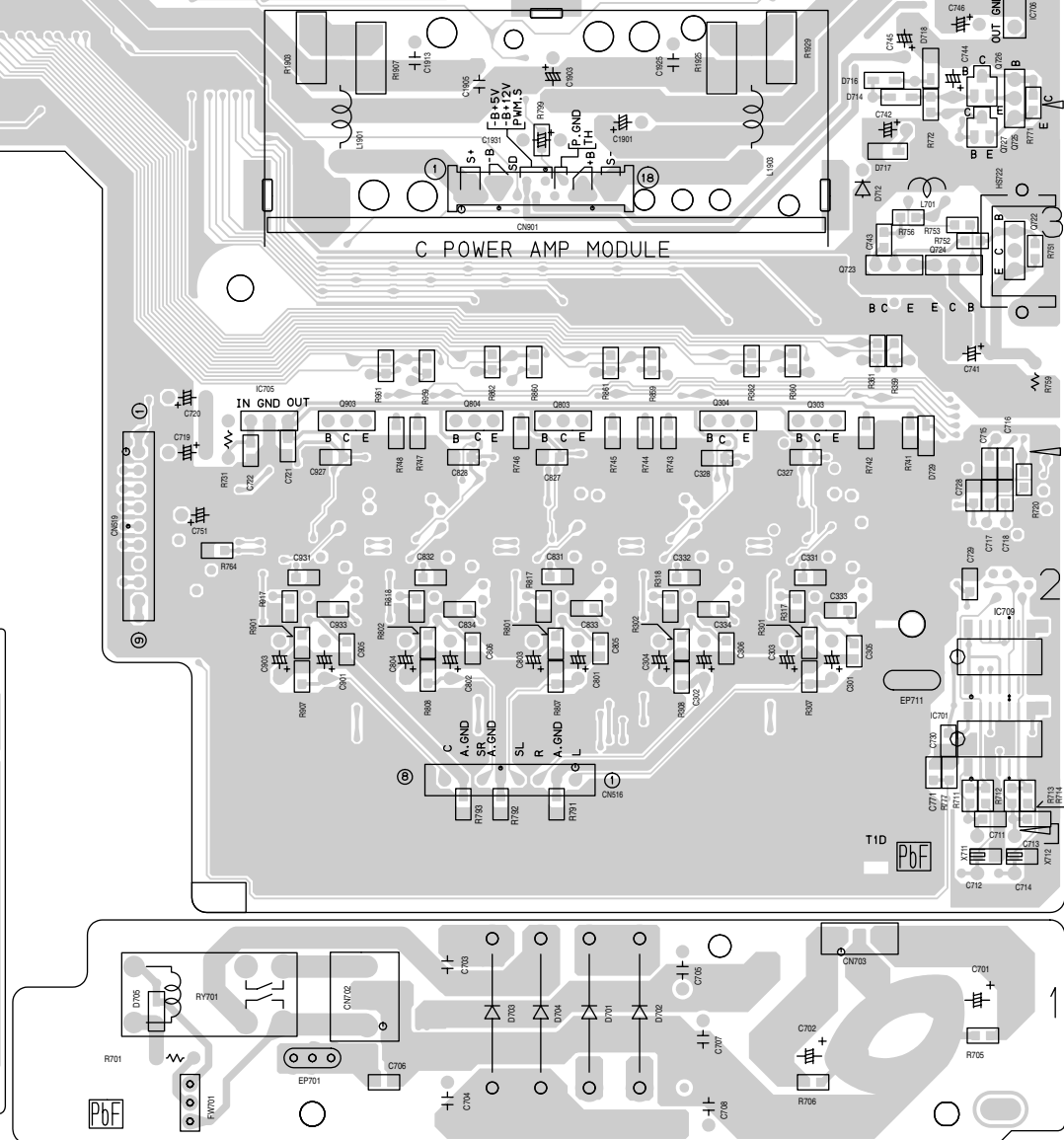
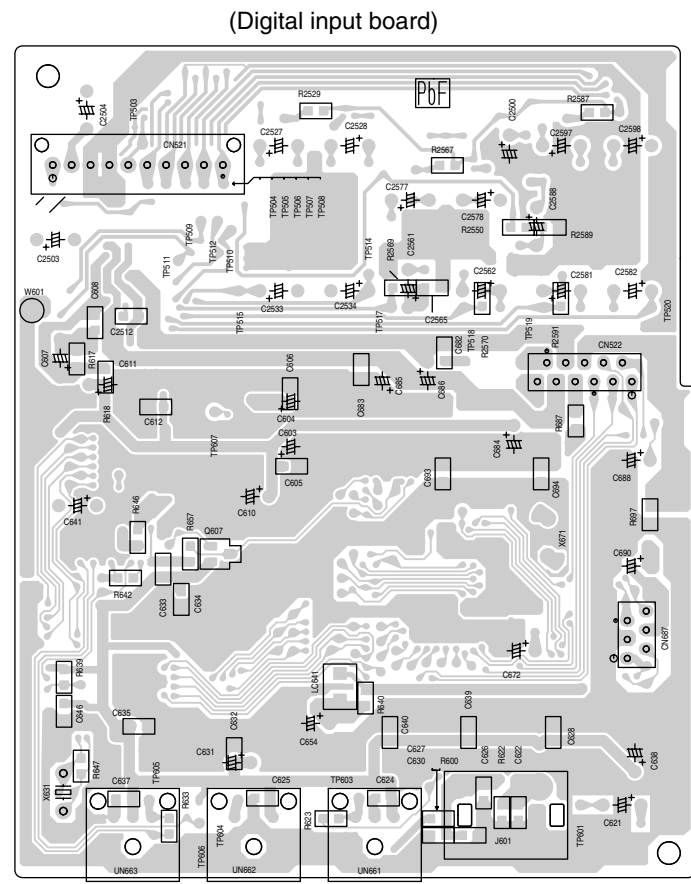
(Digital input board)

(Rectifier board)

■ Amp. board

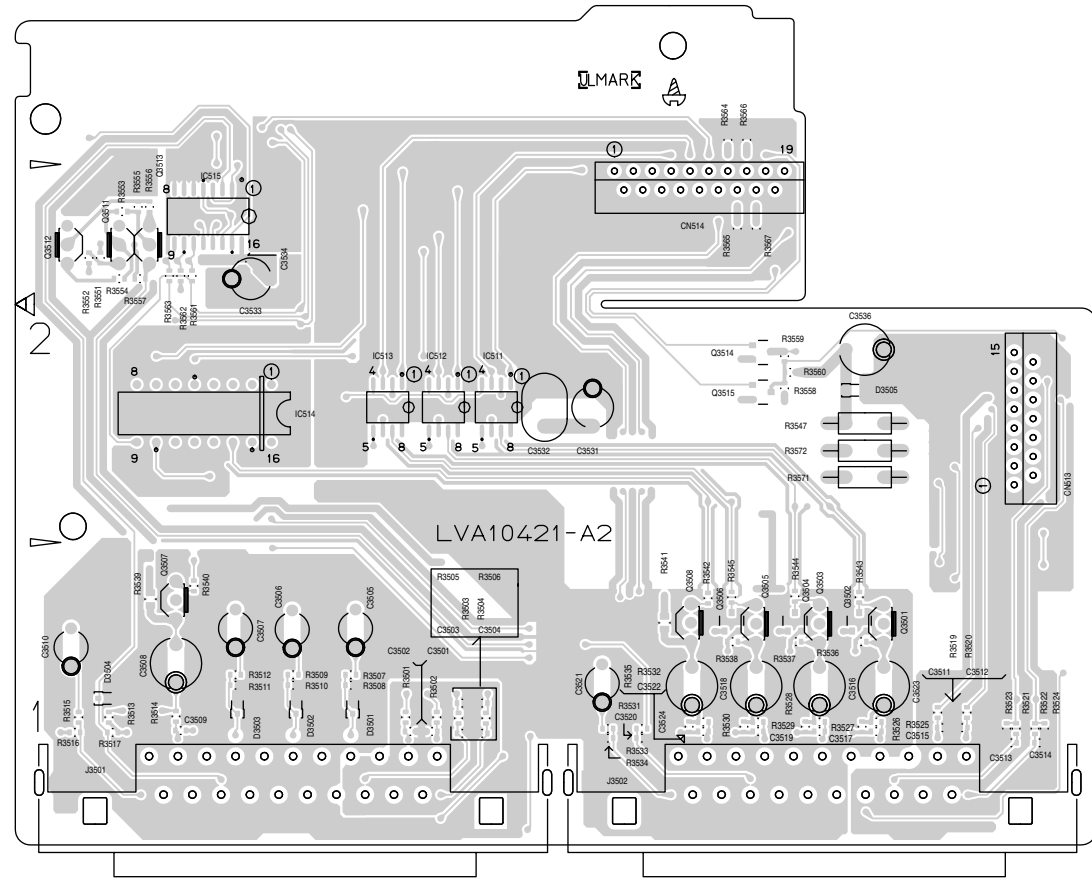


(Amp. board)

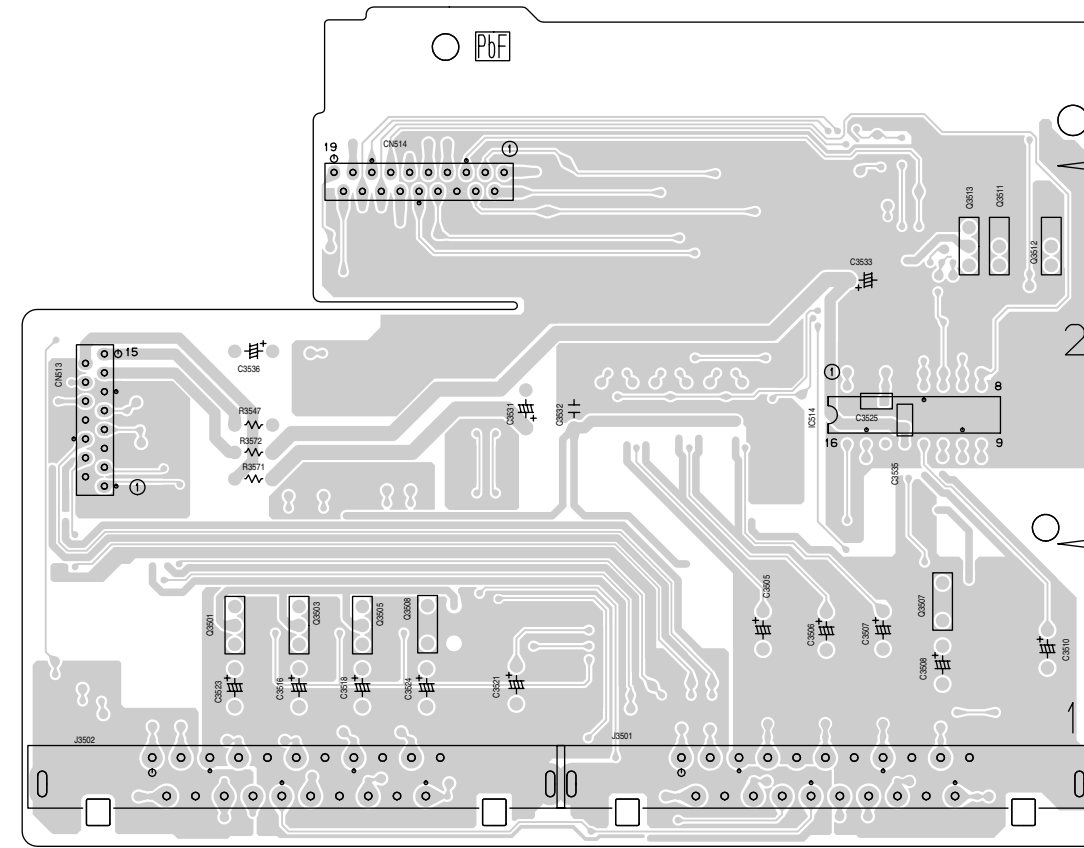


Input board (2/2)

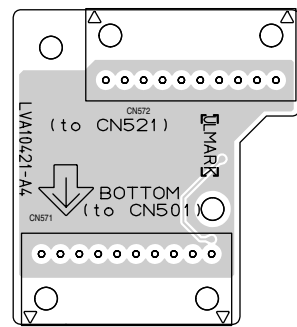
Forward side
(Digital output board)



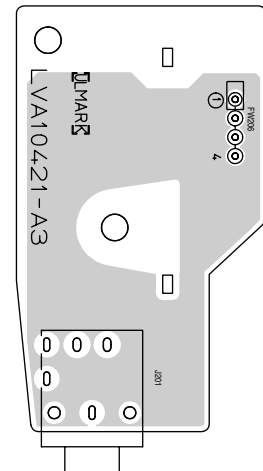
Reverse side
(Digital output board)



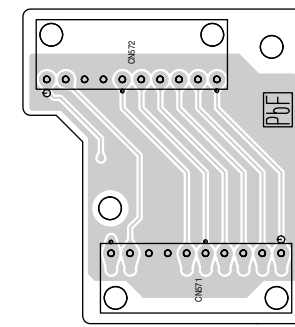
(Connector board)



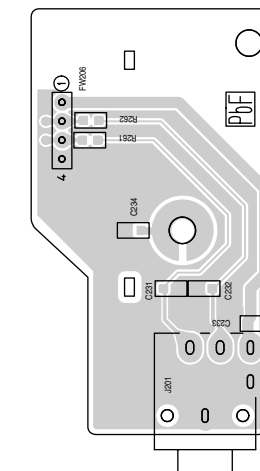
(Headphone jack board)



(Connector board)

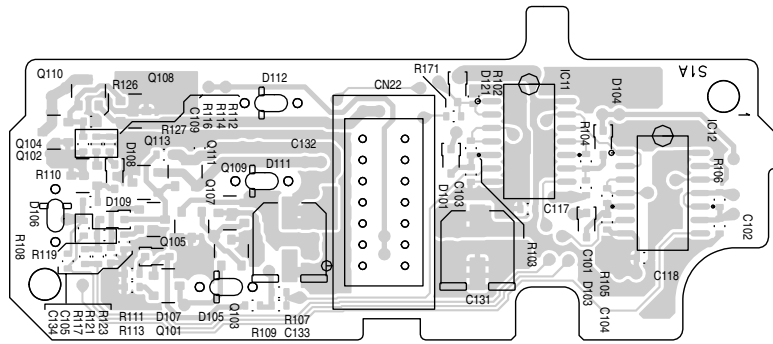


(Headphone jack board)

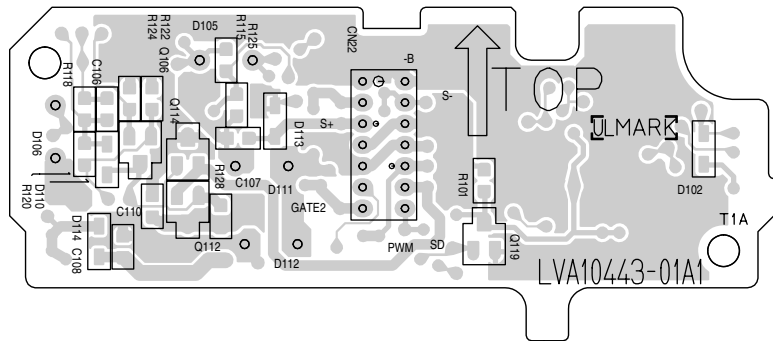


■ Power amp. driver board

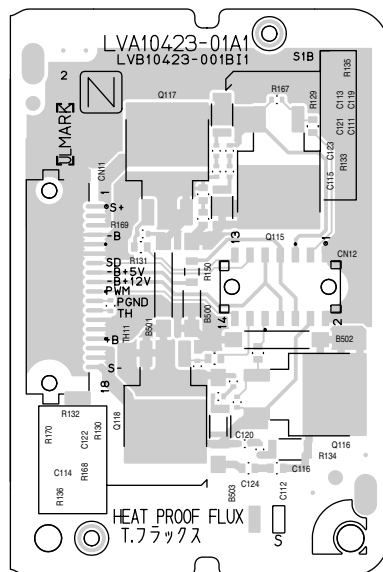
Forward side



Reverse side



■ Power amp. board



JVC

VICTOR COMPANY OF JAPAN, LIMITED

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

(No.MB127SCH)



Printed in Japan
WPC

PARTS LIST

[RX-ES9SL]

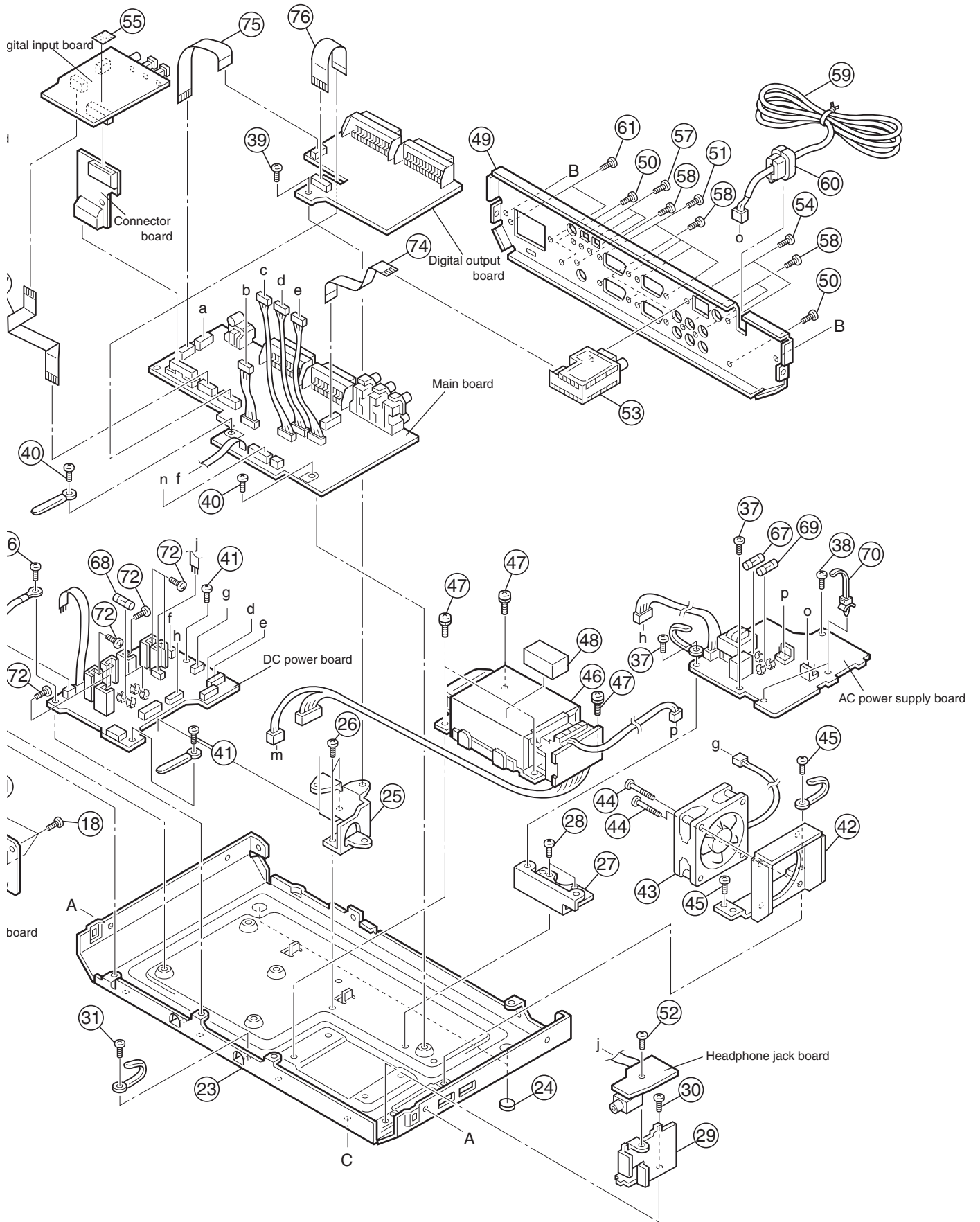
* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

B ----- U.K.
E ----- Continental Europe
EN ----- Northern Europe

- Contents -

Exploded view of general assembly and parts list (Block No.M1)	3- 2
Electrical parts list (Block No.01~05)	3- 5
Packing materials and accessories parts list (Block No.M3)	3-16



General assembly

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

△ Symbol No.	Part No.	Part Name	Description	Local
1	LV10781-009A	FRONT PANEL		
2	LV43338-002A	JVC MARK		
3	LV43622-001A	FOOT	(x2)	
4	LV43381-002A	FILTER		
5	LV21463-007A	FRONT LENS		
6	LV34151-002A	ORNAMENT(L)		
7	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x3)	
8	LV34152-002A	ORNAMENT(R)		
9	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x4)	
10	LV34155-002A	BUTTON(FUNCTION		
11	LV34156-001A	BUTTON(SET)		
12	LV43382-001A	INDICATOR		
13	LV34153-002A	DISPLAY LENS		
14	LV34159-003A	LED HOLDER		
15	LV34154-001A	REFRECTOR		
16	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x7)	
17	LV43380-001A	MARK		
18	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x3)	
19	LV34158-001A	FL HOLDER(L)	BK 401	
20	LV34158-002A	FL HOLDER(R)	BK 402	
21	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm(x6)	
22	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm(x4)	
23	LV10782-003A	CHASSIS BASE		
24	LV43622-001A	FOOT	(x2)	
25	LV34163-001A	SUPPORT BRACKET		
26	QYSBSG3005M	TAP SCREW	M3 x 5mm(x2)	
27	LV34161-001A	PWB BRACKET		
28	QYSBSG3005M	TAP SCREW	M3 x 5mm(x2)	
29	LV34164-002A	H.PHONE BRACKET		
30	QYSBSG3005M	TAP SCREW	M3 x 5mm	
31	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
32	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x4)	
33	LV34160-002A	SHIELD CASE	(x5)	
34	QYSDST2605Z	SCREW	2.6mm x 5mm(x5)	
35	LV30225-0P9A	SPACER	(x5)	
36	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
37	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
38	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
39	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
40	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
41	QYSBST3006Z	TAPPING SCREW	3mm x 6mm(x2)	
42	LV34162-001A	FAN BRACKET		
43	QAR0283-001	FAN MOTER		
44	QYSBSG3030Z	TAP SCREW	M3 x 30mm(x2)	
45	LV43451-001A	SPECIAL SCREW	(x2)	
△ 46	QQT0402-003	POWER TRANSF		
47	QYSDSTL4008E	TAP SCREW	M4 x 8mm(x4)	
48	LV30225-0N8A	SPACER		
49	LV21464-014A	REAR PANEL		
50	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x2)	
51	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x4)	
52	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
53	QAU0278-003	TUNER		
54	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x2)	
55	LV30225-0D4A	SPACER		
56	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
57	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
58	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x7)	
△ 59	QMPN160-200-JD	POWER CORD(EU)	2m BLACK	ES9S LB
△ 59	QMPK210-205-JN	POWER CORD(EU)	2.05m BLACK	ES9S LE,ES 9SLE N
△ 60	QZW0033-001	STRAIN RELIEF		
61	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x2)	
62	LV21465-001A	TOP COVER		
63	LV43565-002A	TOP BARRIER		
64	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
65	QYSDSG3008N	TAPPING SCREW	3mm x 8mm(x4)	
66	LV43601-002A	JOG KNOB ASSY	(x2)	
△ 67	QMF51W2-1R6-J8	FUSE	F 205 1.6A AC250V	
△ 68	QMF51W2-2R0-J8	FUSE	F 202 F 203 2A AC250V(x2)	

△ Symbol No.	Part No.	Part Name	Description	Local
△ 69	QMF51E2-R10-J1	FUSE	F 204 0.1A AC250V	
70	E307572-001	FASTENER	(x2)	
71	E409396-003	CAUTION LABEL		
72	QYSBSG3008E	TAPPING SCREW	3mm x 8mm(x6)	
73	QYSBSG3008E	TAPPING SCREW	3mm x 8mm	
74	QUQ412-1107CJ	FFC WIRE		
75	QUQ412-1508CJ	FFC WIRE		
76	QUQ412-1908CJ	FFC WIRE		
77	QUQ412-1114CJ	FFC WIRE		
78	VYSH101-009	SPACER		

Electrical parts list

Front board

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

Symbol No.	Part No.	Part Name	Description	Local
IC401	MN101C35DMF	IC		
IC402	GP1UM261XK	IR DETECT UNIT	38kHz	
Q201	KRC105S-X	CHIP D.TRANSISTOR		
Q203	KTC3203/OY/-T	TRANSISTOR		
Q204	KTC3200/GL/-T	TRANSISTOR		
Q205	KTA1046/Y/	TRANSISTOR		
△ Q207	KTA1046/Y/	TRANSISTOR		
△ Q208	2SD2395/EF/	TRANSTRANSISTOR		
△ Q209	2SD2395/EF/	TRANSTRANSISTOR		
△ Q210	2SD2395/EF/	TRANSTRANSISTOR		
△ Q211	2SD2395/EF/	TRANSTRANSISTOR		
△ Q212	2SD2395/EF/	TRANSTRANSISTOR		
△ Q213	2SD2395/EF/	TRANSTRANSISTOR		
Q214	KRA102S-X	DIGI TRANSISTOR		
Q215	KRC102S-X	DIGI TRANSISTOR		
Q216	KRA102S-X	DIGI TRANSISTOR		
Q217	KRC102S-X	DIGI TRANSISTOR		
Q218	KRA102S-X	DIGI TRANSISTOR		
Q219	KRC102S-X	DIGI TRANSISTOR		
Q220	KRC111S-X	TRANSISTOR		
Q221	KRC111S-X	TRANSISTOR		
Q222	KRC111S-X	TRANSISTOR		
Q223	KRC111S-X	TRANSISTOR		
Q225	KRC105S-X	CHIP D.TRANSISTOR		
Q231	KRC102S-X	DIGI TRANSISTOR		
Q401	KRC107S-X	DIGI TRANSISTOR		
Q403	DTA143EKA-X	TRANSISTOR		
Q404	KRA107S-X	DIGI TRANSISTOR		
Q406	KRA107S-X	DIGI TRANSISTOR		
Q408	KRA107S-X	DIGI TRANSISTOR		
△ D201	10EDB20-T4	DIODE		
D205	MA111-X	SI DIODE		
D207	MTZJ6.2C-T2	Z DIODE		
△ D208	10DDA20-FD	DIODE		
△ D209	10EDB20-T4	DIODE		
△ D210	10DDA20-FD	DIODE		
△ D211	10EDB20-T4	DIODE		
D212	10EDB20-T4	DIODE		
D215	MTZJ7.5C-T2	Z DIODE		
D216	MTZJ7.5C-T2	Z DIODE		
D217	MTZJ6.2C-T2	Z DIODE		
D218	MTZJ10B-T2	Z DIODE		
D219	MTZJ5.6C-T2	Z DIODE		
D220	MTZJ5.6C-T2	Z DIODE		
D221	MA111-X	SI DIODE		
△ D222	10EDB20-T4	DIODE		
D223	MTZJ33C-T2	Z DIODE		
D224	MTZJ6.2C-T2	Z DIODE		
D225	MA111-X	SI DIODE		
△ D231	10EDB20-T4	DIODE		
△ D232	10EDB20-T4	DIODE		
△ D233	10EDB20-T4	DIODE		
D235	MA111-X	SI DIODE		
D401	SLR-342VC-T	LED I.M		
D402	SLR-342VC-T	LED I.M		
D403	SLR-342VC-T	LED I.M		
D404	SPR-325MVWL/-T	LED	GREEN-RED	
D405	SPR-325MVWL/-T	LED	GREEN-RED	
D406	SPR-325MVWL/-T	LED	GREEN-RED	
D407	SLR-342VC-T	LED I.M		
D408	204-10SUBC/A4UV	LED		
△ C201	QCZ9104-472	C CAPACITOR	4700pF	
C202	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C203	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C205	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C206	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C207	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C208	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C209	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	

Symbol No.	Part No.	Part Name	Description	Local
C210	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C211	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C212	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C214	QEK1HM-105Z	E CAPACITOR	1uF 50V M	
C215	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C221	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C222	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C223	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C224	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C225	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C226	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C241	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C242	QETN2AM-107Z	E CAPACITOR	100uF 100V M	
C251	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C402	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C403	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C404	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C405	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C406	QCZ202-155Z	C CAPACITOR	1.5uF 25V Z	
C407	QEKCOJM-107Z	E CAPACITOR	100uF 6.3V M	
C408	QEKCOJM-107Z	E CAPACITOR	100uF 6.3V M	
C409	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M	
C410	QER61HM-475Z	E CAPACITOR	4.7uF 50V M	
C411	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M	
C412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C421	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
△ R202	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
△ R203	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
△ R206	QRJ146J-821X	UNF C RESISTOR	820Ω 1/4W J	
△ R207	QRJ146J-2R7X	UNF C RESISTOR	2.7Ω 1/4W J	
R208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R209	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
△ R210	QRZ9005-100X	F RES I/M	10Ω	
△ R211	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J	
△ R215	QRZ9005-100X	F RES I/M	10Ω	
△ R216	QRJ146J-152X	UNF C RESISTOR	1.5kΩ 1/4W J	
△ R217	QRZ9005-100X	F RES I/M	10Ω	
△ R218	QRJ146J-152X	UNF C RESISTOR	1.5kΩ 1/4W J	
R219	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
△ R221	QRZ9005-100X	F RES I/M	10Ω	
△ R222	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R223	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R224	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R225	QRZ9005-100X	F RES I/M	10Ω	
△ R226	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	
R227	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R228	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
△ R229	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J	
△ R230	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J	
△ R231	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
△ R232	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R234	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R235	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R236	QRZ9005-100X	F RES I/M	10Ω	
△ R237	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R238	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R239	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R241	QRJ146J-820X	UNF C RESISTOR	82Ω 1/4W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R245	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R251	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R402	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R406	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R407	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R410	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

△ Symbol No. Part No. Part Name Description Local

Amp. board

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

△ Symbol No.	Part No.	Part Name	Description	Local
R412	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R414	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R419	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R420	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R421	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R422	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R429	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R430	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R431	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R432	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R433	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R434	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R437	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R438	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R439	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R441	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R443	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R445	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R447	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R449	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R451	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
△ T202	QQT0281-002	POWER TRANSF		
CN201	QGA3901C1-09	CONNECTOR	W-B (1-9)	
△ CN202	QGA7901C1-02	CONNECTOR	W-B (1-2)	
△ CN203	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN206	QGD2501C1-04Z	CONNECTOR	(1-4)	
CN207	QGA2501C1-02	CONNECTOR	W-B (1-2)	
CN208	QJK017-041704	SIN CR C-B WIRE		
CN211	QGD2501C1-03Z	CONNECTOR	(1-3)	
CN218	QGA2501C1-04	CONNECTOR	W-B (1-4)	
CN401	QJK018-092804	SIN CR C-B WIRE		
CN402	QGB1216K1-06S	CONNECTOR	B-B (1-6)	
CN403	QGA2501F1-07	CONNECTOR	W-B (1-7)	
CN404	QGB2011MQ-18	CONNECTOR	B-B (1-18)	
CN412	QGB1216J1-06S	CONNECTOR	B-B (1-6)	
CN413	QJK025-070702	SIN CR C-B WIRE		
CN414	QGB2011L3-18	CONNECTOR	B-B (1-18)	
CN510	QGA2501C1-08	CONNECTOR	W-B (1-8)	
CN520	QGA2501C1-07	CONNECTOR	W-B (1-7)	
CN711	QGD2501C1-03Z	CONNECTOR	(1-3)	
DI401	QLF0116-001	FL TUBE		
EP201	QNZ0136-001Z	EARTH PLATE		
EP202	QNZ0136-001Z	EARTH PLATE		
EP204	QNZ0136-001Z	EARTH PLATE		
FC203	QNG0020-001Z	FUSE CLIP		
FC205	QNG0020-001Z	FUSE CLIP		
FC207	QNG0020-001Z	FUSE CLIP		
FC209	QNG0020-001Z	FUSE CLIP		
FS400	LV30225-0N3A	FELT SPACER		
FW702	QUM213-10DGZ3	PARA RIBON WIRE		
HS207	E70306-006	HEAT SINK		
HS208	E70306-006	HEAT SINK		
HS209	E70306-006	HEAT SINK		
HS211	E70306-006	HEAT SINK		
HS212	E70306-006	HEAT SINK		
HS213	E70306-006	HEAT SINK		
JS401	QSW1016-001	ROTARY ENCODER		
JS402	QSW1022-002	ROTARY ENCODER		
△ RY201	QSK0142-001	RELAY		
△ RY202	QSK0127-001	RELAY		
S401	QSW0683-001Z	PUSH SW		
S402	QSW0683-001Z	PUSH SW		
S403	QSW0683-001Z	PUSH SW		
S404	QSW0683-001Z	PUSH SW		
S405	QSW0683-001Z	PUSH SW		
S406	QSW0683-001Z	PUSH SW		
TH201	QAD0095-4R7Z	P THERMISTOR	4.7Ω M	
X401	QAX0246-001Z	C RESONATOR	8.00MHz	

△ Symbol No.	Part No.	Part Name	Description	Local
IC301	NJM4580M-X	IC		
IC302	NJM2115V-W	IC		
IC304	NJM4580M-X	IC		
IC311	NJU7109F3-X	IC		
IC312	NJU7109F3-X	IC		
IC371	HA17558AF-X	IC		
IC601	AK4527BVQP	IC		
IC609	HA17558AF-X	IC		
IC610	HA17558AF-X	IC		
IC611	MM74HC08SJ-X	IC		
IC612	TC74HC4072AF-X	IC		
IC621	MM74HCU04SJ-X	IC		
IC631	TC9446F-025	IC		
IC641	LP61L1024S-12-X	IC		
IC650	HA17558AF-X	IC		
IC651	HA17558AF-X	IC		
IC652	IMX9-W	TRANSISTOR		
IC661	HA17558AF-X	IC		
IC662	IMX9-W	TRANSISTOR		
IC671	UPD784215AGC167	IC(MICRO C ROM)		
IC672	NC7ST32P5-X	IC(DIGITAL)		
IC681	MM1563DF-X	IC	3.3V Regulator	
IC682	IMX9-W	TRANSISTOR		
IC683	MM1613DN-X	IC		
IC690	HA17558AF-X	IC		
IC691	HA17558AF-X	IC		
IC701	MM74HC04SJ-X	IC		
IC702	MM74HC00SJ-X	IC		
IC703	MM74HC04SJ-X	IC(DIGITAL)		
IC705	KIA78S05P-T	IC		
IC706	KIA7805API	IC		
IC708	MM74HC08SJ-X	IC		
IC709	MM74HC74ASJ-X	IC		
IC801	NJM4580M-X	IC		
IC802	NJM2115V-W	IC		
IC804	NJM4580M-X	IC		
IC811	NJU7109F3-X	IC		
IC812	NJU7109F3-X	IC		
IC871	HA17558AF-X	IC		
IC901	NJM4580M-X	IC		
IC902	NJM2115V-W	IC		
IC911	NJU7109F3-X	IC		
IC971	HA17558AF-X	IC		
Q301	UMY1N-W	TRANSISTOR		
Q302	UMY1N-W	TRANSISTOR		
Q303	KTA1268/GL/-T	TRANSISTOR		
Q304	KTA1268/GL/-T	TRANSISTOR		
Q607	UN2113-X	TRANSISTOR		
Q670	DTC114YE-X	TRANSISTOR		
Q671	2SD2114K/VW/-X	TRANSISTOR		
Q672	DTC114YE-X	TRANSISTOR		
Q673	UN2113-X	TRANSISTOR		
Q711	KRC104S-X	TRANSISTOR		
Q713	KRC104S-X	TRANSISTOR		
Q715	KRC104S-X	TRANSISTOR		
Q717	KRC102S-X	DIGI TRANSISTOR		
Q719	KRC102S-X	DIGI TRANSISTOR		
Q721	KRC105S-X	CHIP D.TRANSISTOR		
Q722	KTA1046/Y/	TRANSISTOR		
Q723	KTC3199/GL/-T	TRANSISTOR		
Q724	KTC3199/GL/-T	TRANSISTOR		
Q725	KTA1046/Y/	TRANSISTOR		
Q726	2SC2812N/6/-X	TRANSISTOR		
Q727	KRA104S-X	DIGI TRANSISTOR		
Q728	KRC102S-X	DIGI TRANSISTOR		
Q731	KRA114S-X	TRANSISTOR		
Q741	KRC102S-X	DIGI TRANSISTOR		
Q742	KRC105S-X	CHIP D.TRANSISTOR		
Q743	2SD601A/RS/-X	TRANSISTOR		
Q744	2SB709A/Q/-X	TRANSISTOR		
Q745	2SD601A/RS/-X	TRANSISTOR		
Q801	UMY1N-W	TRANSISTOR		
Q802	UMY1N-W	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q803	KTA1268/GL/-T	TRANSISTOR			D1905	MA111-X	SI DIODE		
Q804	KTA1268/GL/-T	TRANSISTOR			D1907	MA111-X	SI DIODE		
Q901	UMY1N-W	TRANSISTOR			D1911	MA111-X	SI DIODE		
Q903	KTA1268/GL/-T	TRANSISTOR			D1913	MA111-X	SI DIODE		
Q1301	2SA1514K/RS/-X	TRANSISTOR			D1951	MA111-X	SI DIODE		
Q1302	2SA1514K/RS/-X	TRANSISTOR							
Q1303	2SA1514K/RS/-X	TRANSISTOR			C301	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
Q1304	2SA1514K/RS/-X	TRANSISTOR			C302	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
Q1305	2SA1514K/RS/-X	TRANSISTOR			C303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
Q1306	2SA1514K/RS/-X	TRANSISTOR			C304	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
Q1307	2SA1514K/RS/-X	TRANSISTOR			C305	NCB31HK-221X	C CAPACITOR	220pF 50V K	
Q1308	2SA1514K/RS/-X	TRANSISTOR			C306	NCB31HK-221X	C CAPACITOR	220pF 50V K	
Q1801	2SA1514K/RS/-X	TRANSISTOR			C307	NCS31HJ-221X	C CAPACITOR	220pF 50V J	
Q1802	2SA1514K/RS/-X	TRANSISTOR			C308	NCS31HJ-221X	C CAPACITOR	220pF 50V J	
Q1803	2SA1514K/RS/-X	TRANSISTOR			C309	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1804	2SA1514K/RS/-X	TRANSISTOR			C310	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1805	2SA1514K/RS/-X	TRANSISTOR			C311	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1806	2SA1514K/RS/-X	TRANSISTOR			C312	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1807	2SA1514K/RS/-X	TRANSISTOR			C313	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
Q1808	2SA1514K/RS/-X	TRANSISTOR			C314	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
Q1901	2SA1514K/RS/-X	TRANSISTOR			C315	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1903	2SA1514K/RS/-X	TRANSISTOR			C316	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
Q1905	2SA1514K/RS/-X	TRANSISTOR			C317	NCB31HK-331X	C CAPACITOR	330pF 50V K	
Q1907	2SA1514K/RS/-X	TRANSISTOR			C318	NCB31HK-331X	C CAPACITOR	330pF 50V K	
Q2501	UN2113-X	TRANSISTOR			C319	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
					C320	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
D371	MA704A-X	S.K.DIODE			C327	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
D607	MA111-X	SI DIODE			C328	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
D609	MA111-X	SI DIODE			C331	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
D610	MA111-X	SI DIODE			C332	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
△ D701	30PRA20-FC	SI DIODE			C333	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
△ D703	30PRA20-FC	SI DIODE			C334	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
D705	MA111-X	SI DIODE			C371	QEKC1HM-105Z	E CAPACITOR	1uF 50V M	
D712	ERA18-04-T1	FR DIODE			C373	QEKC1HM-105Z	E CAPACITOR	1uF 50V M	
D713	UDZS6.2B-X	Z DIODE			C375	QEKC1HM-225Z	E CAPACITOR	2.2uF 50V M	
D714	UDZS10B-X	Z DIODE			C381	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
D715	UDZS5.1B-X	Z DIODE			C601	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D716	MA111-X	SI DIODE			C602	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
D717	UDZS16B-X	Z DIODE			C603	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D718	MA111-X	SI DIODE			C604	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D719	UDZS6.2B-X	Z DIODE			C605	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D721	MA111-X	SI DIODE			C606	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D722	MA111-X	SI DIODE			C607	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
D725	UDZS7.5B-X	Z DIODE			C608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D727	UDZS20B-X	Z DIODE			C609	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D729	UDZS6.8B-X	SI DIODE			C610	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D731	UDZS6.8B-X	SI DIODE			C611	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D732	MA111-X	SI DIODE			C612	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D735	MA111-X	SI DIODE			C621	QEKC1HM-105Z	E CAPACITOR	1uF 50V M	
D751	MA111-X	SI DIODE			C622	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
D752	MA111-X	SI DIODE			C624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D753	MA111-X	SI DIODE			C625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D871	MA704A-X	S.K.DIODE			C626	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
D971	MA704A-X	S.K.DIODE			C627	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
D1301	MA111-X	SI DIODE			C628	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1302	MA111-X	SI DIODE			C631	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D1303	MA111-X	SI DIODE			C632	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1304	MA111-X	SI DIODE			C633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D1305	MA111-X	SI DIODE			C635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
D1306	MA111-X	SI DIODE			C636	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
D1307	MA111-X	SI DIODE			C638	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D1308	MA111-X	SI DIODE			C639	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1311	MA111-X	SI DIODE			C640	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1313	MA111-X	SI DIODE			C641	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D1351	MA111-X	SI DIODE			C642	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1801	MA111-X	SI DIODE			C643	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
D1802	MA111-X	SI DIODE			C644	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1803	MA111-X	SI DIODE			C645	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
D1804	MA111-X	SI DIODE			C646	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1805	MA111-X	SI DIODE			C647	NCS31HJ-220X	C CAPACITOR	22pF 50V J	
D1806	MA111-X	SI DIODE			C648	NCS31HJ-180X	C CAPACITOR	18pF 50V J	
D1807	MA111-X	SI DIODE			C649	NCS31HJ-121X	C CAPACITOR	120pF 50V J	
D1808	MA111-X	SI DIODE			C653	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
D1811	MA111-X	SI DIODE			C654	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D1813	MA111-X	SI DIODE			C661	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1851	MA111-X	SI DIODE			C671	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
D1901	MA111-X	SI DIODE			C672	QEKC0JM-107Z	E CAPACITOR	100uF 6.3V M	
D1903	MA111-X	SI DIODE			C673	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C677	NCS31HJ-101X	C CAPACITOR	100pF 50V J		C905	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C679	NCS31HJ-101X	C CAPACITOR	100pF 50V J		C907	NCS31HJ-221X	C CAPACITOR	220pF 50V J	
C681	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		C909	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C682	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		C911	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C683	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		C913	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C684	QEKCOJM-107Z	E CAPACITOR	100uF 6.3V M		C915	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C685	QEKC1CM-476Z	E CAPACITOR	47uF 16V M		C917	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C686	QEKC1CM-476Z	E CAPACITOR	47uF 16V M		C919	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C687	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		C927	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C688	QEKCOJM-107Z	E CAPACITOR	100uF 6.3V M		C931	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C689	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		C933	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C690	QEKCOJM-107Z	E CAPACITOR	100uF 6.3V M		C971	QEKCH1M-105Z	E CAPACITOR	1uF 50V M	
C691	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C973	QEKCH1M-105Z	E CAPACITOR	1uF 50V M	
C692	NCB31HK-102X	C CAPACITOR	1000pF 50V K		C975	QEKCH1M-225Z	E CAPACITOR	2.2uF 50V M	
C693	NCB31CK-103X	C CAPACITOR	0.01uF 16V K		C981	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1301	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C695	NCS31HJ-101X	C CAPACITOR	100pF 50V J		C1302	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C701	QEZ0631-688	E CAPACITOR	6800uF		C1303	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C702	QEZ0631-688	E CAPACITOR	6800uF		C1304	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C703	QFZ9076-104Z	MM CAPACITOR	0.1uF		C1305	QFZ0212-105Z	MF CAPACITOR	1uF	
C704	QFZ9076-104Z	MM CAPACITOR	0.1uF		C1306	QFZ0212-105Z	MF CAPACITOR	1uF	
C705	QFZ9076-104Z	MM CAPACITOR	0.1uF		C1307	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C711	NCS31HJ-331X	C CAPACITOR	330pF 50V J		C1308	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C713	NCS31HJ-331X	C CAPACITOR	330pF 50V J		C1313	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C715	NCS31HJ-101X	C CAPACITOR	100pF 50V J		C1314	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C717	NCS31HJ-101X	C CAPACITOR	100pF 50V J		C1315	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C719	QETN1EM-107Z	E CAPACITOR	100uF 25V M		C1316	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C721	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C1319	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C722	NCB21CK-334X	C CAPACITOR	0.33uF 16V K		C1320	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C728	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1325	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C729	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1326	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C730	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1327	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C731	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C1328	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C735	QFVJ1HJ-103Z	MF CAPACITOR	0.01uF 50V J		C1331	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C741	QETN1HM-107Z	E CAPACITOR	100uF 50V M		C1332	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C742	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C1351	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C743	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1353	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C744	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1359	NCB21HK-683X	C CAPACITOR	0.068uF 50V K	
C745	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1361	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C746	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1363	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C747	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J		C1801	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C751	QETN1AM-476Z	E CAPACITOR	47uF 10V M		C1802	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C761	QENC1CM-476Z	BP E CAPACITOR	47uF 16V M		C1803	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C775	NCS31HJ-101X	C CAPACITOR	100pF 50V J		C1804	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C777	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1805	QFZ0212-105Z	MF CAPACITOR	1uF	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		C1806	QFZ0212-105Z	MF CAPACITOR	1uF	
C801	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1807	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C802	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1808	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C803	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1813	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C804	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1814	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C805	NCB31HK-221X	C CAPACITOR	220pF 50V K		C1815	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C806	NCB31HK-221X	C CAPACITOR	220pF 50V K		C1816	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C807	NCS31HJ-221X	C CAPACITOR	220pF 50V J		C1819	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C808	NCS31HJ-221X	C CAPACITOR	220pF 50V J		C1820	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C809	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1825	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C810	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1826	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C811	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1827	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C812	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1828	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C813	NCS31HJ-181X	C CAPACITOR	180pF 50V J		C1831	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C814	NCS31HJ-181X	C CAPACITOR	180pF 50V J		C1832	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C815	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1851	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C816	NCB31HK-222X	C CAPACITOR	2200pF 50V K		C1853	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C817	NCB31HK-331X	C CAPACITOR	330pF 50V K		C1859	NCB21HK-683X	C CAPACITOR	0.068uF 50V K	
C818	NCB31HK-331X	C CAPACITOR	330pF 50V K		C1861	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C819	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C1863	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C820	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C1901	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C827	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1903	QEHR1HM-337Z	E CAPACITOR	330uF 50V M	
C828	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1905	QFZ0212-105Z	MF CAPACITOR	1uF	
C831	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1907	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C832	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1913	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C833	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1915	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C834	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		C1919	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C871	QEKCH1M-105Z	E CAPACITOR	1uF 50V M		C1925	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C873	QEKCH1M-105Z	E CAPACITOR	1uF 50V M		C1927	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C875	QEKCH1M-225Z	E CAPACITOR	2.2uF 50V M		C1931	QETN2AM-106Z	E CAPACITOR	10uF 100V M	
C881	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C1951	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C901	QETN1HM-105Z	E CAPACITOR	1uF 50V M		C1953	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C903	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C1959	NCB21HK-683X	C CAPACITOR	0.068uF 50V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C1961	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R354	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C1963	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		R355	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C2500	QEK1CM-226Z	E CAPACITOR	22uF 16V M		R356	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
C2503	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M		R357	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2507	NCS31HJ-330X	C CAPACITOR	33pF 50V J		R358	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R359	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C2513	NCB31HK-122X	C CAPACITOR	1200pF 50V K		R360	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C2515	NCS31HJ-121X	C CAPACITOR	120pF 50V J		R361	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C2525	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R362	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C2527	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R371	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C2531	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R373	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C2533	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R375	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
C2539	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R377	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
C2551	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R379	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2555	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R381	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C2561	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R385	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C2563	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R387	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2565	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R391	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2566	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R393	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C2569	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R600	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C2575	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R601	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C2577	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R602	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C2581	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R603	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C2582	QETN1CM-106Z	E CAPACITOR	10uF 16V M		R606	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2583	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R607	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2584	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R608	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2585	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R609	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2587	NCS31HJ-560X	C CAPACITOR	56pF 50V J		R611	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2588	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R612	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2589	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R613	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
C2591	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R615	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C2592	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C2594	NCB31CK-473X	C CAPACITOR	0.047uF 16V K		R620	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C2595	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R621	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
C2597	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R622	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
C2598	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
					R625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R301	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R627	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R302	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R303	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R631	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R632	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R305	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J		R639	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R306	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J		R640	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R307	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R641	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
R308	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R642	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R309	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R643	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R310	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R644	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R645	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
R312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R646	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R647	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R314	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R648	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R315	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J		R657	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R316	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J		R661	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R317	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R663	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R668	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R319	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R669	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R320	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R670	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R324	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R672	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R325	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R673	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R326	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R674	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R333	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R675	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R334	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R677	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R335	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R679	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R336	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R337	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R683	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R338	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R684	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R339	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R687	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R340	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R341	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R342	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R691	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R343	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R692	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R344	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R693	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R345	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R694	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R346	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R695	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R351	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R696	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R352	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R353	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R698	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R699	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R842	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
△ R701	QRJ146J-820X	UNF C RESISTOR	82Ω 1/4W J		R843	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R705	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R844	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R711	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R845	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R712	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R846	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R713	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R851	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R714	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R852	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R853	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R716	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R854	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R855	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R718	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R856	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R720	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R857	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R858	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R722	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R859	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R860	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R725	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J		R861	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
△ R731	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J		R862	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R735	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R871	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R737	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R873	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R738	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R875	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R751	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R877	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R752	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R879	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R753	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R881	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R754	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R885	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R755	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R887	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R756	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R891	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R757	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R893	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R758	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R901	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R759	QRK126J-1R0X	UNF C RESISTOR	1Ω 1/2W J		R903	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R761	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R905	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R762	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R907	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R763	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R909	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R764	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R911	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R765	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R766	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R915	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	
R771	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R917	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R772	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R919	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R775	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J		R923	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R777	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R925	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R781	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R933	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R782	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R935	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R783	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R937	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R784	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R939	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R785	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R941	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R786	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R943	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R801	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R945	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R802	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R951	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R803	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R953	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R804	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R955	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R805	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J		R957	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R806	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J		R959	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R807	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R961	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R808	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R971	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R809	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R973	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R810	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R974	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R811	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R975	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R977	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R813	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R979	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R814	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R981	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R815	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J		R985	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R816	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J		R987	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R991	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R818	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R993	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R819	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R1303	NRS016J-470X	MG RESISTOR	47Ω 1W J	
R820	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R1304	NRS016J-470X	MG RESISTOR	47Ω 1W J	
R823	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R824	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1310	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R825	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R1311	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R826	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R1312	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R833	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		△ R1313	QRM034J-R10	MP RESISTOR	0.1Ω 3W J	
R834	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		△ R1314	QRM034J-R10	MP RESISTOR	0.1Ω 3W J	
R835	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1315	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R836	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1316	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R837	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1317	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R838	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1318	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R839	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R840	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1320	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R841	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1321	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R1322	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1325	NRS016J-470X	MG RESISTOR	47Ω 1W J		R2513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1326	NRS016J-470X	MG RESISTOR	47Ω 1W J		R2515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1331	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2519	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1332	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2521	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1333	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1334	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2527	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
△ R1335	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		R2529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
△ R1336	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		R2530	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1337	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2531	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R1338	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1339	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1340	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2537	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2550	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2551	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1343	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2553	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R1344	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2555	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
△ R1351	QRJ146J-820X	UNF C RESISTOR	82Ω 1/4W J		R2557	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
△ R1353	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J		R2558	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1355	NRS016J-103X	MG RESISTOR	10kΩ 1W J		R2560	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1803	NRS016J-470X	MG RESISTOR	47Ω 1W J		R2561	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1804	NRS016J-470X	MG RESISTOR	47Ω 1W J		R2563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1809	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2565	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R1810	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2567	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1811	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2568	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1812	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2569	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
△ R1813	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		R2575	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△ R1814	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		R2577	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1815	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2581	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1816	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2582	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1817	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2583	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1818	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R2584	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1819	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2585	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1820	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2586	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1821	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2587	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1822	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2588	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1825	NRS016J-470X	MG RESISTOR	47Ω 1W J		R2589	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1826	NRS016J-470X	MG RESISTOR	47Ω 1W J		R2590	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1831	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2591	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1832	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2592	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1833	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2594	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1834	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		R2595	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△ R1835	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		R2596	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△ R1836	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		R2597	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1837	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L701	QLL28AK-221	CHOKE COIL	220uH K	
R1838	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L1301	QLL67AM-220	COIL	22uH M	
R1839	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L1302	QLL67AM-220	COIL	22uH M	
R1840	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		L1303	QLL67AM-220	COIL	22uH M	
R1841	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L1304	QLL67AM-220	COIL	22uH M	
R1842	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		L1801	QLL67AM-220	COIL	22uH M	
R1843	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		L1802	QLL67AM-220	COIL	22uH M	
R1844	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		L1803	QLL67AM-220	COIL	22uH M	
△ R1851	QRJ146J-820X	UNF C RESISTOR	82Ω 1/4W J		L1804	QLL67AM-220	COIL	22uH M	
△ R1853	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J		L1901	QLL67AM-220	COIL	22uH M	
R1855	NRS016J-103X	MG RESISTOR	10kΩ 1W J		L1903	QLL67AM-220	COIL	22uH M	
R1903	NRS016J-470X	MG RESISTOR	47Ω 1W J		CN301	QGB1214J3-18S	CONNECTOR	B-B (1-18)	
R1909	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		CN302	QGB1214J3-18S	CONNECTOR	B-B (1-18)	
R1911	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		CN516	QGA2501C1-08	CONNECTOR	W-B (1-8)	
R1913	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		CN519	QGA2501C1-09	CONNECTOR	W-B (1-9)	
R1915	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		CN521	QGB2510J1-10	CONNECTOR	B-B (1-10)	
R1917	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		CN522	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
R1919	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		CN702	QGA3901C1-03	CONNECTOR	W-B (1-3)	
R1921	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		CN703	QGA2501C1-03	CONNECTOR	W-B (1-3)	
R1925	NRS016J-470X	MG RESISTOR	47Ω 1W J		CN712	QGD2501C1-03Z	CONNECTOR	(1-3)	
R1931	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		CN713	QJK019-030703	SIN CR C-B WIRE		
R1933	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		CN725	QJK025-060801	SIN CR C-B WIRE		
△ R1935	QRM034J-R10	MP RESISTOR	0.1Ω 3W J		CN801	QGB1214J3-18S	CONNECTOR	B-B (1-18)	
R1937	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		CN802	QGB1214J3-18S	CONNECTOR	B-B (1-18)	
R1939	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		CN901	QGB1214J3-18S	CONNECTOR	B-B (1-18)	
R1941	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		EP701	QNZ0136-001Z	EARTH PLATE		
R1943	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		EP711	QNZ0136-001Z	EARTH PLATE		
△ R1951	QRJ146J-820X	UNF C RESISTOR	82Ω 1/4W J		FW701	QUM213-08DGZ3	PARA RIBON WIRE		
△ R1953	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J		HS722	E70306-001	HEAT SINK		
R1955	NRS181J-473X	MG RESISTOR	47kΩ 1/8W J		J601	QNN0347-001	SURROUND JACK		
R2500	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K601	NQR0269-004X	FERRITE BEADS		
R2501	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		△ RY301	QSK0127-001	RELAY		
R2507	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						
R2509	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J						

△ Symbol No.	Part No.	Part Name	Description	Local
	RY701	QSK0127-002	RELAY	
△	RY801	QSK0127-001	RELAY	
△	RY901	QSK0127-001	RELAY	
	S7701	QNB0184-001	SPEAKER TERMINA	
	UN661	GP1FA352RZ	OPT RECEIVER	
	UN662	GP1FA352RZ	OPT RECEIVER	
	X631	QAX0722-001Z	CRYSTAL	24.576MHz
	X671	QAX0719-001Z	C RESONATOR	6.144MHz
	X711	QAX0734-001	C RESONATOR	400.00kHz
	X712	QAX0735-001	C RESONATOR	420.00kHz

△ Symbol No.	Part No.	Part Name	Description	Local
	C231	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
	C233	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
	C234	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
	C501	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C503	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C504	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C505	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C506	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C507	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C509	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C510	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C511	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C512	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C513	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C515	NCS31HJ-471X	C CAPACITOR	470pF 50V J
	C516	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C517	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C519	NCB31HK-102X	C CAPACITOR	1000pF 50V K
	C520	NCB31HK-102X	C CAPACITOR	1000pF 50V K
	C521	NCB31HK-102X	C CAPACITOR	1000pF 50V K
	C522	NCB31HK-561X	C CAPACITOR	560pF 50V K
	C523	QEK1CM-476Z	E CAPACITOR	47uF 16V M
	C525	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C526	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
	C527	QEK1CM-107Z	E CAPACITOR	100uF 6.3V M
	C528	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z
	C529	NCB31CK-223X	C CAPACITOR	0.022uF 16V K
	C530	QEK1HM-225Z	E CAPACITOR	2.2uF 50V M
	C531	NCB31CK-223X	C CAPACITOR	0.022uF 16V K
	C532	NCB31HK-561X	C CAPACITOR	560pF 50V K
	C533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
	C534	QEK1CM-476Z	E CAPACITOR	47uF 16V M
	C535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
	C536	QEK1CM-476Z	E CAPACITOR	47uF 16V M
	C537	QETN1HM-106Z	E CAPACITOR	10uF 50V M
	C539	QETN1HM-106Z	E CAPACITOR	10uF 50V M
	C541	QETN1HM-106Z	E CAPACITOR	10uF 50V M
	C543	NCB31HK-472X	C CAPACITOR	4700pF 50V K
	C545	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
	C547	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
	C549	QEK1CM-476Z	E CAPACITOR	47uF 16V M
	C551	QETN1HM-106Z	E CAPACITOR	10uF 50V M
	C553	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C555	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C557	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C558	QEK1CM-106Z	E CAPACITOR	10uF 16V M
	C559	QEK1CM-226Z	E CAPACITOR	22uF 16V M
	C560	QEK1CM-107Z	E CAPACITOR	100uF 6.3V M
	C561	NCS31HJ-681X	C CAPACITOR	680pF 50V J
	C563	NCB31HK-562X	C CAPACITOR	5600pF 50V K
	C565	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
	C566	NCS31HJ-101X	C CAPACITOR	100pF 50V J
	C567	NCS31HJ-820X	C CAPACITOR	82pF 50V J
	C568	NCS31HJ-470X	C CAPACITOR	47pF 50V J
	C569	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
	C570	NCB31HK-561X	C CAPACITOR	560pF 50V K
	C571	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C572	QEK1HM-225Z	E CAPACITOR	2.2uF 50V M
	C573	NCB31EK-473X	C CAPACITOR	0.047uF 25V K
	C574	QEK1CM-476Z	E CAPACITOR	47uF 16V M
	C575	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
	C578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
	C581	QEK1CM-106Z	E CAPACITOR	10uF 16V M
	C583	NCB31HK-102X	C CAPACITOR	1000pF 50V K
	C585	QETN1HM-106Z	E CAPACITOR	10uF 50V M
	C587	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
	C591	QETN1HM-106Z	E CAPACITOR	10uF 50V M
	C593	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C595	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
	C1571	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C1573	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C1575	NCS31HJ-101X	C CAPACITOR	100pF 50V J
	C1577	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
	C3501	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C3503	NCS31HJ-331X	C CAPACITOR	330pF 50V J
	C3505	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C3506	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M
	C3507	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M

Input board

Block No. [0][3][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
	IC501	MN101C49GMT	IC	
	IC502	BD3842FS-X	IC	
	IC503	BD3813KS	IC	
	IC504	HA17558AF-X	IC	
	IC505	SAA6588T/V2-X	IC	
	IC506	IC-PST9139-T	IC	
	IC511	NJM2246M-X	IC	
	IC512	NJM2246M-X	IC	
	IC513	NJM2246M-X	IC	
	IC514	BA7625	IC	
	IC515	MM74HC4053SJ-X	IC	
	IC571	HA17558AF-X	IC	
	Q501	2SC3576-JVC-T	TRANSISTOR	
	Q503	KRA104S-X	DIGI TRANSISTOR	
	Q504	KTC3199/GLJ-T	TRANSISTOR	
	Q506	KTC3199/GLJ-T	TRANSISTOR	
	Q508	KTC3199/GLJ-T	TRANSISTOR	
	Q510	KRC102S-X	DIGI TRANSISTOR	
	Q511	KRA104S-X	DIGI TRANSISTOR	
	Q512	KRA104S-X	DIGI TRANSISTOR	
	Q513	2SC3576-JVC-T	TRANSISTOR	
	Q515	2SC3576-JVC-T	TRANSISTOR	
	Q517	2SC3576-JVC-T	TRANSISTOR	
	Q518	2SC3576-JVC-T	TRANSISTOR	
	Q519	2SC3576-JVC-T	TRANSISTOR	
	Q521	2SC3576-JVC-T	TRANSISTOR	
	Q523	KRA104S-X	DIGI TRANSISTOR	
	Q525	KTC3199/GLJ-T	TRANSISTOR	
△	Q531	2SD2395/EF/	TRANSTRANSISTOR	
	Q535	KRC102S-X	DIGI TRANSISTOR	
	Q541	KRA102S-X	DIGI TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SB709A/QR/-X	TRANSISTOR	
	Q544	2SB709A/QR/-X	TRANSISTOR	
	Q3501	KTC3199/GLJ-T	TRANSISTOR	
	Q3502	KRC111S-X	TRANSISTOR	
	Q3503	KTC3199/GLJ-T	TRANSISTOR	
	Q3504	KRC111S-X	TRANSISTOR	
	Q3505	KTC3199/GLJ-T	TRANSISTOR	
	Q3506	KRC111S-X	TRANSISTOR	
	Q3507	KTA1267/YG-T	TRANSISTOR	
	Q3511	KTC3199/GLJ-T	TRANSISTOR	
	Q3512	KTC3199/GLJ-T	TRANSISTOR	
	Q3513	KTC3199/GLJ-T	TRANSISTOR	
	Q3514	KRC102S-X	DIGI TRANSISTOR	
	Q3515	KRC102S-X	DIGI TRANSISTOR	
	Q7501	2SK301/QR/-T	FET	
	Q7503	2SK301/QR/-T	FET	
	D509	MA111-X	SI DIODE	
	D510	MA111-X	SI DIODE	
	D515	MA111-X	SI DIODE	
	D516	UDZS13B-X	Z DIODE	
	D517	UDZS10B-X	Z DIODE	
	D561	MA111-X	SI DIODE	
	D3505	UDZS12B-X	Z DIODE	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C3508	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R569	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
C3509	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R571	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3510	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M		R573	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3511	NCS31HJ-331X	C CAPACITOR	330pF 50V J		R574	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C3513	NCS31HJ-331X	C CAPACITOR	330pF 50V J		R576	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3515	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R579	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3516	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R581	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3517	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R583	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C3518	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R585	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C3519	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R586	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C3520	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R587	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
C3521	QEK1HM-475Z	E CAPACITOR	4.7uF 50V M		R588	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
C3522	NCS31HJ-470X	C CAPACITOR	47pF 50V J		R589	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3523	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R590	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3524	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		R591	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R593	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3531	QEK1CM-476Z	E CAPACITOR	47uF 16V M		R595	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C3532	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R597	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C3533	QEK1CM-476Z	E CAPACITOR	47uF 16V M		R1501	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C3534	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R1503	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C3535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z		R1505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3536	QEK1EM-476Z	E CAPACITOR	47uF 25V M		R1507	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R261	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		R1509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R503	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1513	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R504	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R505	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R506	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1519	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R507	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1520	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R508	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1521	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R509	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1522	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1523	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R511	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1524	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R513	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R1525	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R515	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1526	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R517	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1527	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R518	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1529	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R519	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1530	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R520	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1531	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R521	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1532	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R522	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1533	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R523	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1534	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R524	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J		R1535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R525	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R1536	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R527	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1541	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R529	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1543	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R531	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R1545	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R533	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1548	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R537	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1551	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1554	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R541	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1557	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R542	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		△ R1561	QRZ9005-100X	F RES I/M	10Ω	
R543	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		△ R1562	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
R544	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R545	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R1567	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R546	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R1571	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R547	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1573	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R548	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1575	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R549	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1577	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R550	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1581	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R551	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		R1591	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R552	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1592	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R553	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R1593	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R554	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R1594	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R556	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3503	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R557	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R3505	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R558	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R3507	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R559	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		R3508	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R560	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R3509	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R561	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R3510	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R562	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R3511	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R563	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3512	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R564	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3513	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R565	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R3514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R567	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J		R3515	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
					R3516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

Symbol No.	Part No.	Part Name	Description	Local
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R3517	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3521	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3523	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3525	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R3526	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3527	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R3528	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3529	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R3530	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3531	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3532	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3533	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R3534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3539	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R3540	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R3541	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
R3542	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R3543	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R3544	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R3545	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
△ R3547	QRJ146J-391X	UNF C RESISTOR	390Ω 1/4W J	
R3551	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3552	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3553	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3554	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3555	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3556	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R3557	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R3558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3559	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3563	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3564	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3566	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
△ R3571	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω 1/4W J	
△ R3572	QRZ9005-100X	F RES I/M	10Ω	
R7501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7509	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
CN451	QGA2001C1-09	CONNECTOR	W-B (1-9)	
CN501	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN502	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN503	QGF1205C1-15	CONNECTOR	FFC/FPC (1-15)	
CN504	QGF1205C1-19	CONNECTOR	FFC/FPC (1-19)	
CN505	QGF1205C1-11	CONNECTOR	FFC/FPC (1-11)	
CN506	WJP0044-001A	E-SH C WIRE C-B		
CN509	WJK0110-002A	E-SI C WIRE C-B		
CN513	QGF1205C1-15	CONNECTOR	FFC/FPC (1-15)	
CN514	QGF1205C1-19	CONNECTOR	FFC/FPC (1-19)	
CN525	QGA2501C1-06	CONNECTOR	W-B (1-6)	
CN530	QJK025-081603	SIN CR C-B WIRE		
CN540	QJK025-071402	SIN CR C-B WIRE		
CN571	QGB2510K1-10	CONNECTOR	B-B (1-10)	
CN572	QGB2510K1-10	CONNECTOR	B-B (1-10)	
EP501	QNZ0136-001Z	EARTH PLATE		
EP502	QNZ0136-001Z	EARTH PLATE		
FL501	QQR1372-001	LPF		
FW206	QUM214-34DGZ3	PARA RIBON WIRE		
FW501	QUM213-16DGZ3	PARA RIBON WIRE		
J201	QNS0204-001	PHONE JACK		
J501	QNZ0516-001	RGB CONNECTOR		
J502	QNZ0516-001	RGB CONNECTOR		
J503	QNN0544-001	SURROUND JACK		
J504	QNN0545-002	SURROUND JACK		
J3501	QNZ0516-001	RGB CONNECTOR		
J3502	QNZ0516-001	RGB CONNECTOR		
X501	QAX0246-001Z	C RESONATOR	8.00MHz	
X502	QAX0263-001Z	CRYSTAL	4.332MHz	

Digital amp. board

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

Symbol No.	Part No.	Part Name	Description	Local
△ Q115	IRF530NS-W	TRANSISTOR		
△ Q116	IRF530NS-W	TRANSISTOR		
△ Q117	IRF530NS-W	TRANSISTOR		
△ Q118	IRF530NS-W	TRANSISTOR		
C111	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C112	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C113	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C114	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C115	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C116	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C119	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C120	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C121	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C122	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C123	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C124	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
R129	NRSA02J-5R6X	MG RESISTOR	5.6Ω 1/10W J	
R130	NRSA02J-5R6X	MG RESISTOR	5.6Ω 1/10W J	
R131	NRSA02J-5R6X	MG RESISTOR	5.6Ω 1/10W J	
R132	NRSA02J-5R6X	MG RESISTOR	5.6Ω 1/10W J	
R133	NRS125J-100X	MG RESISTOR	10Ω 1/2W J	
R134	NRS125J-100X	MG RESISTOR	10Ω 1/2W J	
R135	NRS125J-100X	MG RESISTOR	10Ω 1/2W J	
R136	NRS125J-100X	MG RESISTOR	10Ω 1/2W J	
R150	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R167	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R168	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R169	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R170	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
CN11	QGB1214K3-18W	CONNECTOR	B-B (1-18)	
CN12	QGB2027L1-14X	CONNECTOR	B-B (1-14)	

Power amp.driver board

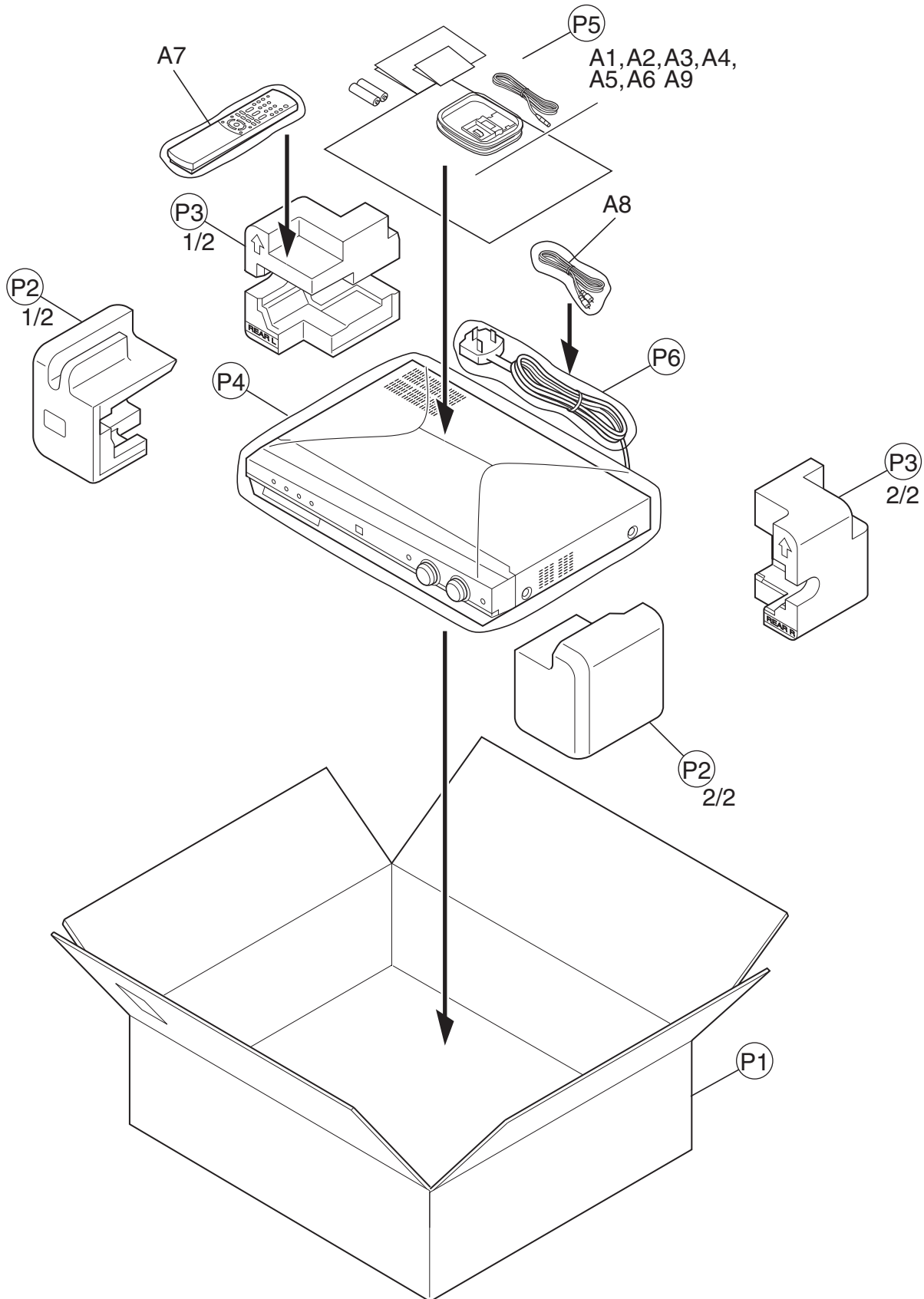
Block No. [0][5][0][0]

Symbol No.	Part No.	Part Name	Description	Local
IC11	MM74HC00SJ-X	IC		
IC12	MM74HC00SJ-X	IC		
Q101	2SC2713/L-X	TRANSISTOR		
Q102	2SC2713/L-X	TRANSISTOR		
Q103	2SA1162/G-X	TRANSISTOR		
Q104	2SA1162/G-X	TRANSISTOR		
Q105	2SC2712/G-X	TRANSISTOR		
Q106	2SC2712/G-X	TRANSISTOR		
Q107	2SC2712/G-X	TRANSISTOR		
Q108	2SC2712/G-X	TRANSISTOR		
Q109	2SA1162/G-X	TRANSISTOR		
Q110	2SA1162/G-X	TRANSISTOR		
Q111	2SC2712/G-X	TRANSISTOR		
Q112	2SC2712/G-X	TRANSISTOR		
Q113	2SA1162/G-X	TRANSISTOR		
Q114	2SA1162/G-X	TRANSISTOR		
Q119	KRC102S-X	DIGI TRANSISTOR		
D101	MA111-X	SI DIODE		
D102	MA111-X	SI DIODE		
D103	MA111-X	SI DIODE		
D104	MA111-X	SI DIODE		
D105	1SS244-T2	SI DIODE		
D106	1SS244-T2	SI DIODE		
D107	MA111-X	SI DIODE		
D108	MA111-X	SI DIODE		
D109	MA111-X	SI DIODE		
D110	MA111-X	SI DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local
D111	1SS244-T2	SI DIODE		
D112	1SS244-T2	SI DIODE		
D113	MA111-X	SI DIODE		
D114	MA111-X	SI DIODE		
D121	MA111-X	SI DIODE		
C101	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C102	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C103	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C104	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C105	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C106	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C107	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C108	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C109	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C110	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C117	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C118	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C131	NEA71CM-107X	E CAPACITOR	100uF 16V M	
C132	NEA71CM-107X	E CAPACITOR	100uF 16V M	
C133	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C134	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
R101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R102	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	
R103	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R104	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R105	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R106	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R109	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R111	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R112	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R113	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R114	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
R115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R117	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R118	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R121	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R122	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R123	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R124	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R125	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R127	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R171	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
CN22	QGB2027M9-14	CONNECTOR	B-B (1-14)	

Packing materials and accessories parts list

Block No. M 3 M M



Packing and accessories

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

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	LVT1112-001A	INST SHEET	ENG	ES9S LB
A 1	LVT1112-002A	INST SHEET	GER FRE DUT	ES9S LE
A 1	LVT1112-003A	INST BOOK	SWE FIN DAN GER FRE SPA ITA	ES9S LEN
A 2	LV43654-001A	CAUTION SHEET		
A 3	BT-54013-7	WARRANTY CARD		
A 4	-----	BATTERY	(x2)	
A 5	QAL0457-001	ANT.WIRE		
A 6	QAL0476-001	AM LOOP ANT		
A 7	RM-SRXES9R	REMOCON		
A 8	LV42656-001A	SYSTEM CABLE		
A 9	VNA3000-204	REGISTER CARD		ES9S LB
P 1	LV34165-007A	CARTON BOX		
P 2	LV21466-001A	CUSHION(FRONT)		
P 3	LV21467-001A	CUSHION(REAR)		
P 4	QPC06507015P	POLY BAG	65cm x 70cm	
P 5	QPA02503505P	POLY BAG	25cm x 35cm	
P 6	QPA01203505	ENVELOPE	12cm x 35cm	ES9S LB