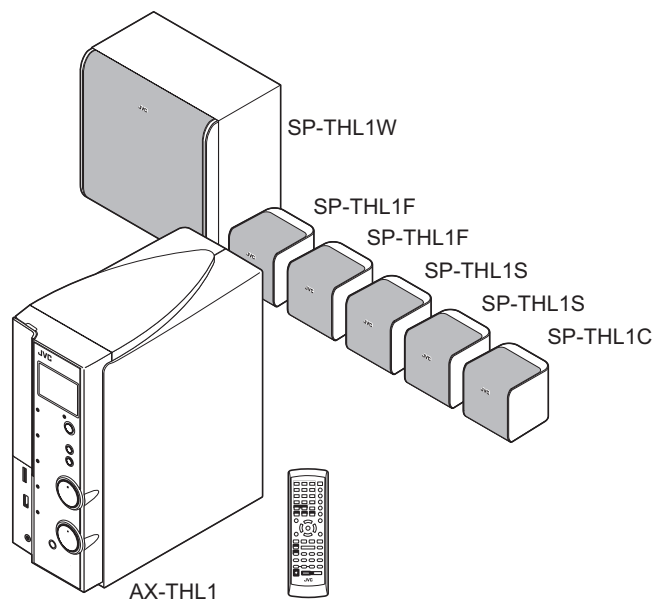


JVC

SERVICE MANUAL

DIGITAL MEDIA SYSTEM

TH-L1A, TH-L1US, TH-L1UB, TH-L1UJ, TH-L1UG, TH-L1UN



Digital Direct Progressive Scan **MPEG-4**
ASF PLAYBACK

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

TABLE OF CONTENTS

1	PRECAUTION.....	1-4
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-5
3	DISASSEMBLY.....	1-5
4	ADJUSTMENT.....	1-14
5	TROUBLESHOOTING.....	1-14

SPECIFICATION

Center unit

Output power	Front/Surround		40 W per channel RMS at 3 Ω at 1 kHz with 10% total harmonic distortion.		
	Center		100 W RMS at 4 Ω at 1 kHz with 10% total harmonic distortion.		
	Subwoofer		100 W RMS at 4 Ω at 30 Hz with 10% total harmonic distortion.		
Audio section	Analog Input	VIDEO 1 IN, VIDEO 2 IN, VIDEO 3	500 mV/50 k Ω		
		Digital Input*	VIDEO 1, VIDEO 3	-21 dBm to -15 dBm (660 nm ± 30 nm)	
			VIDEO 2	0.5 V(p-p)/75 Ω	
Video section	Video System		NTSC/PAL		
	Horizontal Resolution		500 lines		
	Signal-to-Noise Ratio		60 dB		
	Video output level	Composite	1 V(p-p)/75 Ω		
		S-video-Y	1 V(p-p)/75 Ω		
		S-video-C	NTSC	0.286 V(p-p)/75 Ω	
			PAL	0.3 V(p-p)/75 Ω	
Component (Interlace/ Progressive)		Y	1 V(p-p)/75 Ω		
	PB/PR	0.7 V(p-p)/75 Ω			
HDMI	HDMI Input		VIDEO 1 IN, VIDEO 2 IN		
	HDMI Output		MONITOR OUT		
	Max capability		1920 × 1080 at 60 Hz / Deep color [4:4:4] / color depth 24 bit.		
USB storage	USB specification		Compatible with USB 2.0 Full Speed		
	Compatible device		Mass Storage Class		
	Compatible file system		FAT16, FAT32		
	Bus power supply		5 V/500 mA		
Speaker impedance	Front and Surround		3 Ω to 16 Ω		
	Center and Subwoofer		4 Ω to 16 Ω		
General	Power Requirements	For HongKong	AC 220 V , 50 Hz		
		For Australia	AC 240 V , 50 Hz		
		For other countries	AC 110 V - 240 V , 50/60 Hz		
	Power supply to iPod		5 V/500 mA		
	Power Consumption	50 W (at operation)		1.5 W (in standby mode)	
		Dimensions (W × H × D)		118 mm × 276 mm × 246 mm	
	Mass		2.9 kg		

* Corresponding to Linear PCM Dolby Digital and DTS Digital Surround (with sampling frequency - 32 kHz 44.1 kHz 48 kHz)

Subwoofer (SP-THL1W)

Type	1-way Bass-Reflex Type (Magnetically-Shielded Type)
Speaker	16 cm cone × 1
Power Handling Capacity	100 W
Impedance	4 Ω
Frequency Range	30 Hz to 1.5 kHz
Sound Pressure Level	84 dB/W•m
Dimensions (W × H × D)	266 mm × 270 mm × 157 mm
Mass	2.9 kg

Front speakers (SP-THL1F)

Type	Full-Range Bass-Reflex Type (Magnetically-shielded Type)
Speaker	6.5 cm cone × 1
Power Handling Capacity	40 W
Impedance	3 Ω
Frequency Range	90 Hz to 20 kHz
Sound Pressure Level	77 dB/W•m
Dimensions (W × H × D)	100 mm × 104 mm × 105 mm
Mass	0.42 kg each

Center speaker (SP-THL1C)

Type	Full-Range Bass-Reflex Type (Magnetically-shielded Type)
Speaker	6.5 cm cone × 1
Power Handling Capacity	100 W
Impedance	4 Ω
Frequency Range	90 Hz to 20 kHz
Sound Pressure Level	77 dB/W•m
Dimensions (W × H × D)	100 mm × 104 mm × 105 mm
Mass	0.42 kg

Surround speakers (SP-THL1S)

Type	Full-Range Bass-Reflex Type
Speaker	6.5 cm cone × 1
Power Handling Capacity	40 W
Impedance	3 Ω
Frequency Range	90 Hz to 20 kHz
Sound Pressure Level	76 dB/W•m
Dimensions (W × H × D)	100 mm × 104 mm × 105 mm
Mass	0.5 kg each

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.

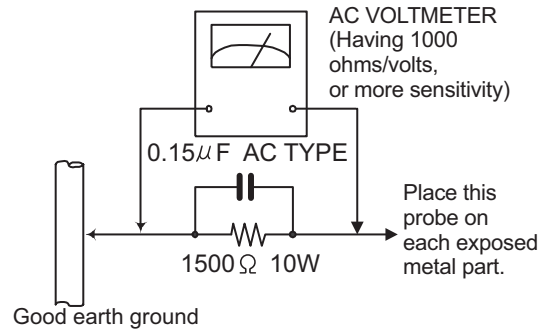
(5) Leakage shock hazard testing

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 mA AC (r.m.s.).



1.2 Warning

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

1.3 Caution

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

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

1.4 Critical parts for safety

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

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Removing the SIDE PANEL

(See Fig.1, 2)

- (1) Remove the nine screws **A** attaching the SIDE PANEL.
(See Fig.1)
- (2) Remove the three screws **B** attaching the SIDE PANEL.
(See Fig.2)

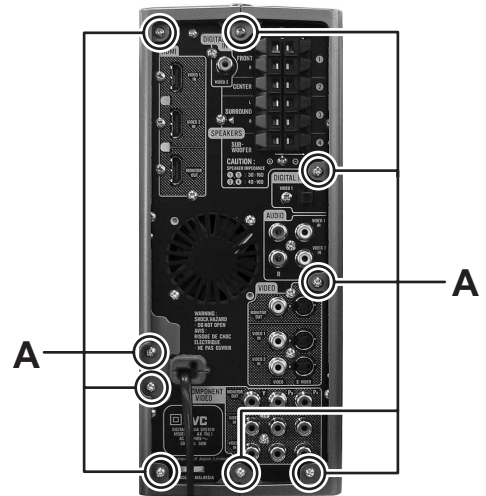


Fig.1

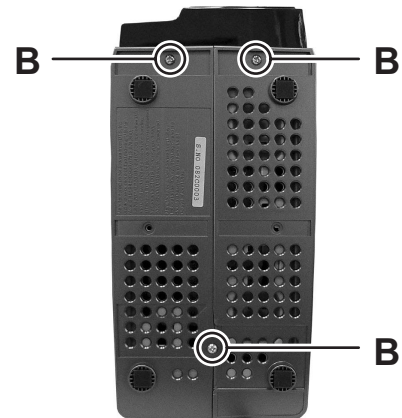


Fig.2

3.1.2 Removing the FRONT PANEL assembly (See Fig.3, 4)

- (1) Remove the two screws **C** attaching the both side of FRONT PANEL assembly. (See Fig.3)
- (2) Disengage the six hooks **a** engaged both side of FRONT PANEL assembly. (See Fig.3)
- (3) Disconnect the card wire from MAIN BODY connected to connector **CN860** of the FL BOARD assembly. (See Fig.4)

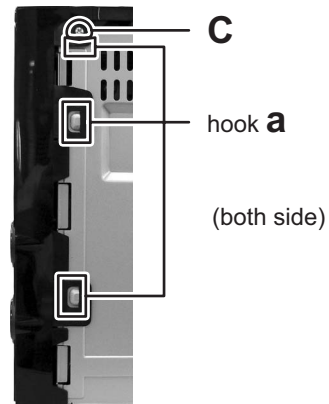


Fig.3

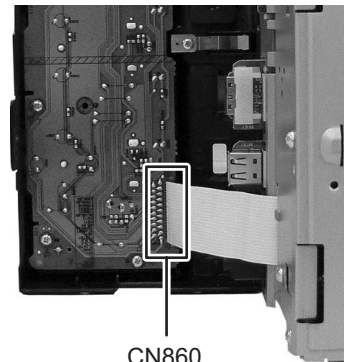


Fig.4

3.1.3 Removing the TOP CHASSIS (See Fig.5 to 8)

- (1) From the back side of main body, remove the two screws **D** attaching the TOP CHASSIS. (See Fig.5)
- (2) From the top side of main body, remove the one screw **E** attaching the TOP CHASSIS. (See Fig.6)
- (3) From the right side of main body, remove the four screws **F** attaching the TOP CHASSIS. (See Fig.7)
- (4) From the front side of main body, remove the three screws **G** attaching the TOP CHASSIS. (See Fig.8)

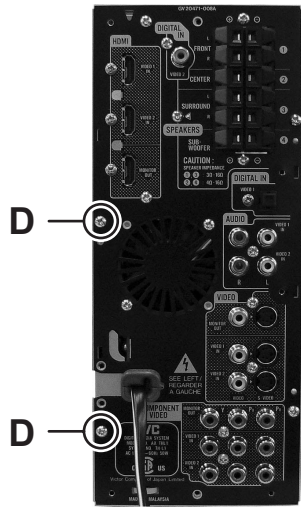


Fig.5

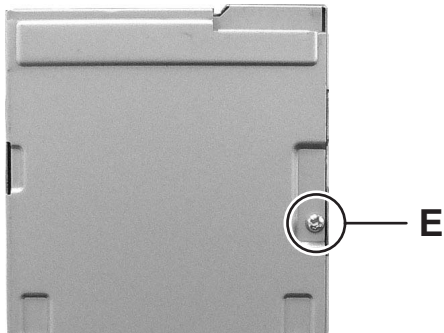


Fig.6

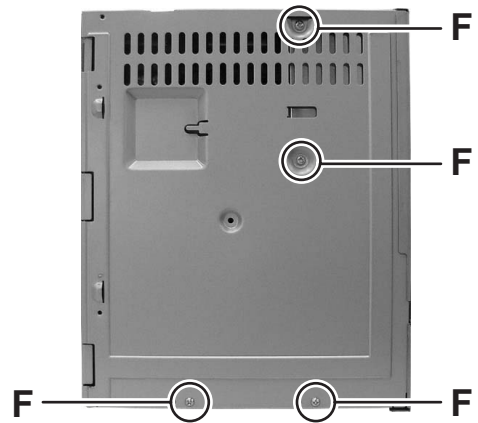


Fig.7

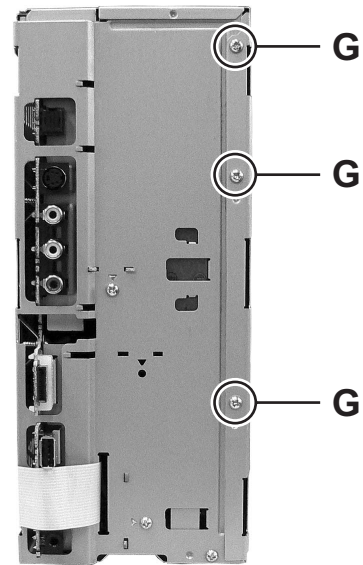


Fig.8

3.1.4 Removing the HDMI assembly (See Fig.9, 10)

- (1) Disconnect the card wire from HDMI assembly connected to connector [CN901](#) of the VIDEO 2 BOARD assembly. (See Fig.9)
- (2) Remove the two screws **H** and three screws **J** attaching the HDMI BOARD assembly. (See Fig.10)

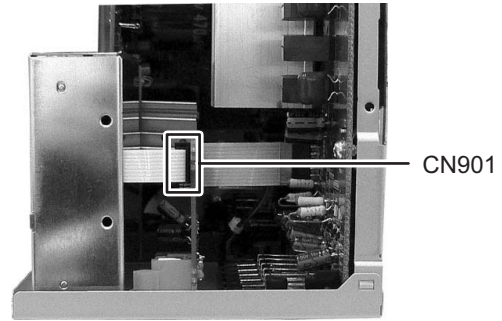


Fig.9

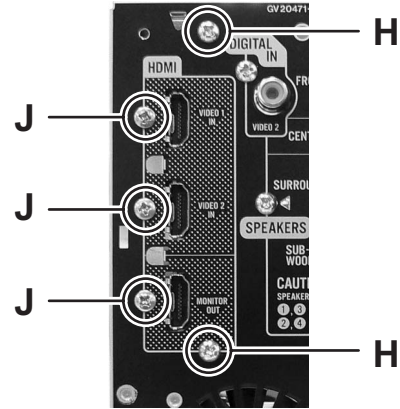


Fig.10

3.1.5 Removing the VIDEO 2 BOARD assembly (See Fig.11, 12)

- (1) Disconnect the card wire from VIDEO 2 BOARD assembly connected to connector **CN905** of the MAIN BOARD assembly. (See Fig.11)
- (2) Remove the two screws **K** attaching the VIDEO 2 BOARD assembly. (See Fig.12)

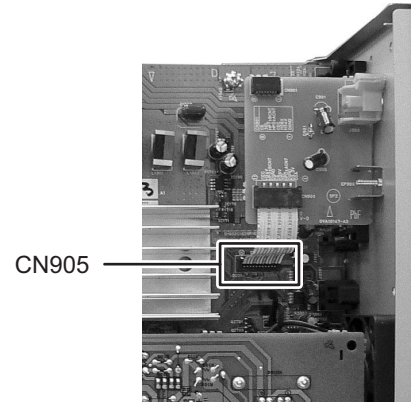


Fig.11

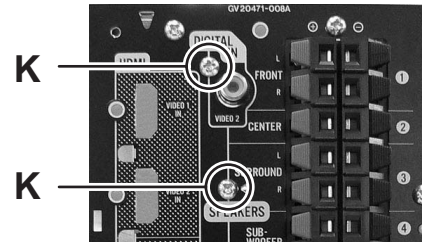


Fig.12

3.1.6 Removing the HEAT SINK (See Fig.13)

- (1) Remove the three screws **L** attaching the HEAT SINK.

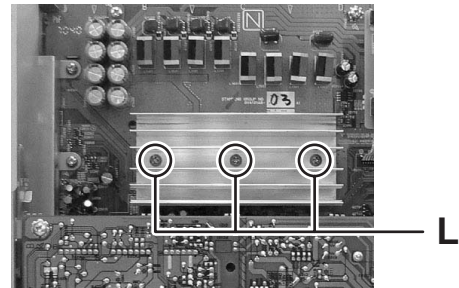


Fig.13

3.1.7 Removing the POWER BOARD assembly (See Fig.14 to 17)

- (1) Remove the four screws **M** attaching the POWER BOARD assembly. (See Fig.14)
- (2) Remove the one screw **N** attaching the DUMMY BOARD. (See Fig.15)
- (3) Disconnect the connector wires from POWER BOARD assembly connected to connector [CN200](#), [CN201](#) and [CN202](#) of the MAIN BOARD assembly. (See Fig.16)
- (4) Lift up the POWER BOARD assembly with POWER CORD, and then disconnect the POWER CORD from connector [CN101](#) of the POWER BOARD assembly. (See Fig.17)

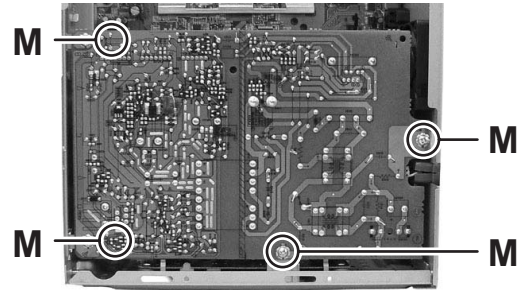


Fig.14

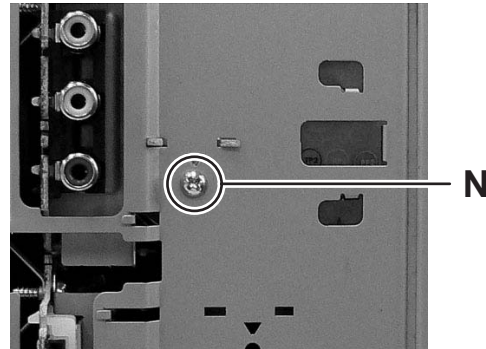


Fig.15

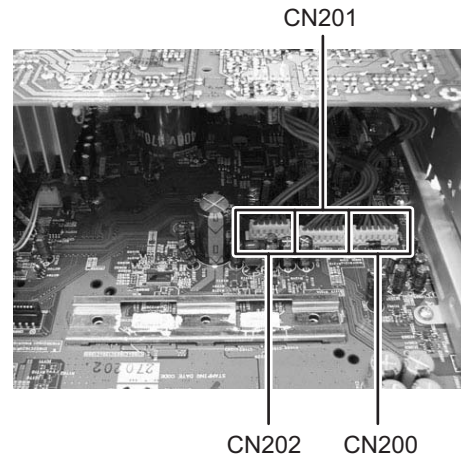


Fig.16

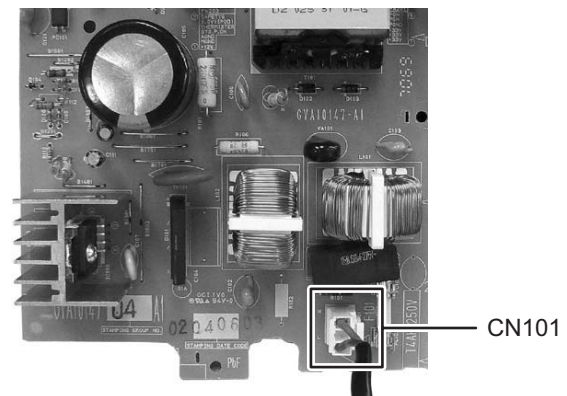


Fig.17

3.1.8 Removing the REAR PANEL

(See Fig.18 to 20)

- (1) Disconnect the connector wire from FAN connected to connector **CN209** of the MAIN BOARD assembly. (See Fig.18)
- (2) Remove the two screws **P** attaching the SPEAKER TERMINAL. (See Fig.19)
- (3) Remove the one screw **Q** attaching the VIDEO 1 jack. (See Fig.19)
- (4) Remove the one screw **R** attaching the AUDIO jack. (See Fig.19)
- (5) Remove the two screws **S** attaching the VIDEO jack. (See Fig.19)
- (6) Remove the two screws **T** attaching the COMPONENT jack. (See Fig.19)
- (7) Remove the two screws **U** attaching the REAR PANEL. (See Fig.19)
- (8) Disengage three hooks **b** engaged top and bottom side of REAR PANEL. (See Fig.20)

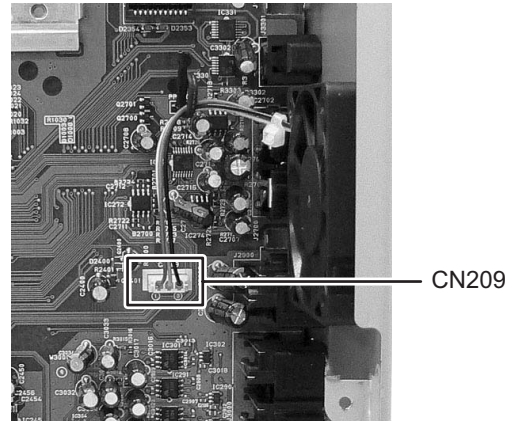


Fig.18

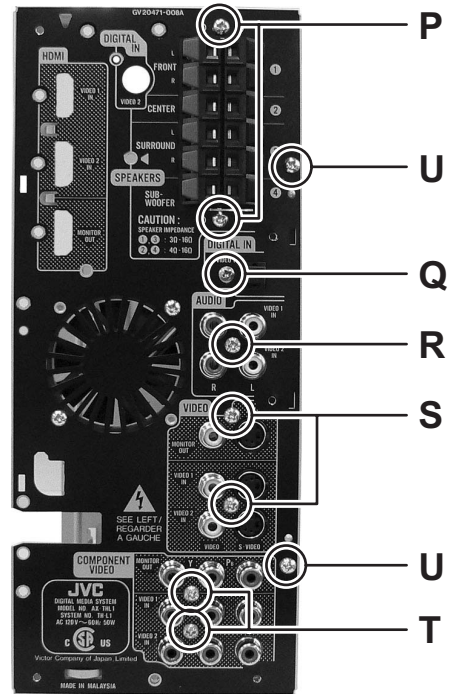


Fig.19

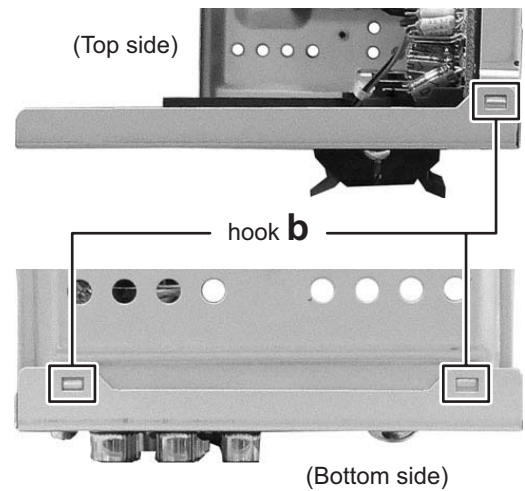


Fig.20

3.1.9 Removing the DSP BOARD assembly (See Fig.21, 22)

- (1) Disconnect the card wire from DSP BOARD assembly connected to connector [CN203](#), [CN204](#) and [CN206](#) of the MAIN BOARD assembly. (See Fig.21)
- (2) Disconnect the connector wire from DSP BOARD assembly connected to connector [CN205](#) and [CN320](#) of the MAIN BOARD assembly. (See Fig.21)
- (3) Remove the two screws **V** attaching the DSP BOARD assembly. (See Fig.22)

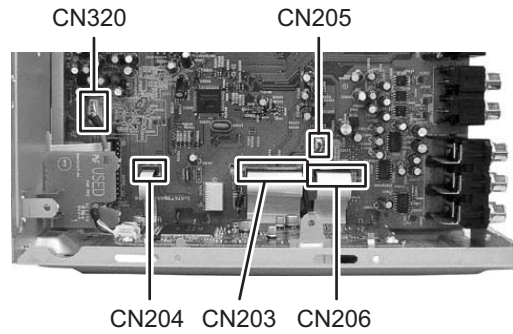


Fig.21

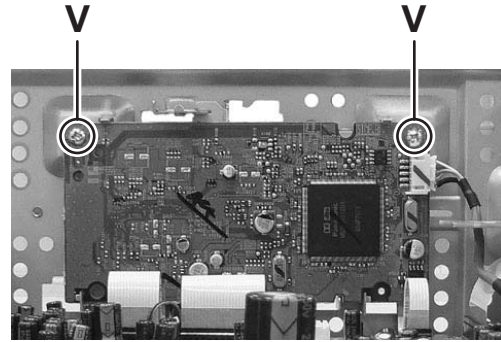


Fig.22

3.1.10 Removing the MAIN BOARD assembly

(See Fig.23, 24)

- (1) Remove the one screw **W** attaching the BRACKET BOARD. (See Fig.23)
- (2) Remove the four screws **X** attaching the JACK BRACKET. (See Fig.24)
- (3) Remove the one screw **Y** attaching the MAIN BOARD assembly. (See Fig.24)
- (4) Remove the four screws **Z** attaching the MAIN BOARD assembly. (See Fig. 24)

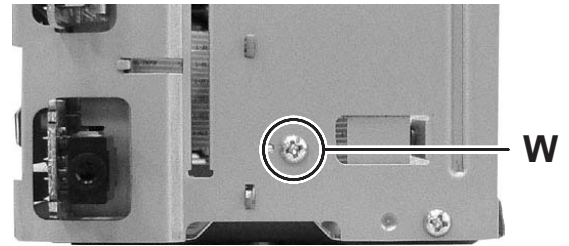


Fig.23

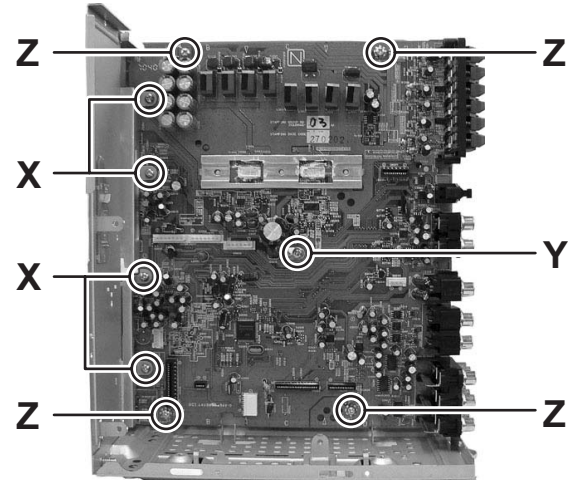


Fig.24

3.1.11 Removing the FRONT BOARD assembly

(See Fig.25)

- (1) Remove the eight screws **A'** attaching the FRONT BOARD assembly.

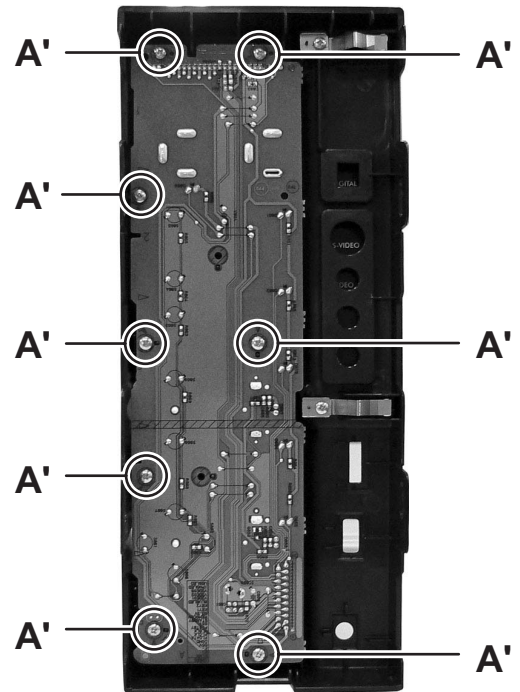


Fig.25

SECTION 4 ADJUSTMENT

4.1 EXTENTION CABLE

When do the operation check or do the confirm SPECIAL MODE, please use the extention cables connect to Main amp board and Power supply board.

1. EXTTHL1-7P × 2 pcs
2. EXTTHL1-6P × 1 pc

4.2 SPECIAL MODE

MODE NAME	CODE	FUNCTION
COLD START	POWER + STOP + 0	2 times receive the code when P.OFF condition, "COLD SET" indicate on FL display during 3 seconds, after temporary P.ON operation. And the indication finished, go to P.OFF mode. Then COLD START operation should start by AC plug ON/OFF.
ALL FL lighting	POWER + STOP + 1	Receive the code when P.ON condition, 1. LED turn on one by one. STANDBY->VIDEO1->VIDEO2->VIDEO3->iPod->USB->ILLUMINATION 2. FL lights up all of segment. 3. VOLUME control by remocoon (VOL+/VOL-), should be high speed mode until P.OFF.
Temprature display	POWER + STOP + 2	POWER and AMP part temprature is displayed
Error histry	POWER + STOP + 3	It is displayed safety condition. It can use only p.off condition. There are below kains. SAFETY REG, SAFETY IPOD, SPEAKER DC DETECT, POWER TEMPERATURE, AMP TEMPERATURE, SAFETY LINE, SAFETY HDMI,S AFETY FAN, SAFETY P.AMP SD,S AFETY P.AMP OTW
Version display	POWER + STOP + 10	Receive the code when P.ON condition, 1. Indicate Syscon version Syscon version:"SC ## \$\$" (##:Sys version,\$\$:Sys ROM correction) 2. Indicate Unit version Unit version:"BE %%%%"(%%:%:Unit version) 3. Indicate destination and chip select Destination, Chip select:"\$\$ %%"(\$\$:sys destination , %%%:chip select "L1"or"L11") Each display during 5 seconds temporary. Curret volume value
Volume down display	POWER + STOP + ≥10	Receive the code when P.ON condition, Indicate volume down cause by safety4.

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



JVC

Victor company of Japan, Limited
Audio/Video Systems category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB623)



Printed in Japan
VPT

PARTS LIST

TH-L1A,TH-L1US,TH-L1UB
TH-L1UJ,TH-L1UG,TH-L1UN

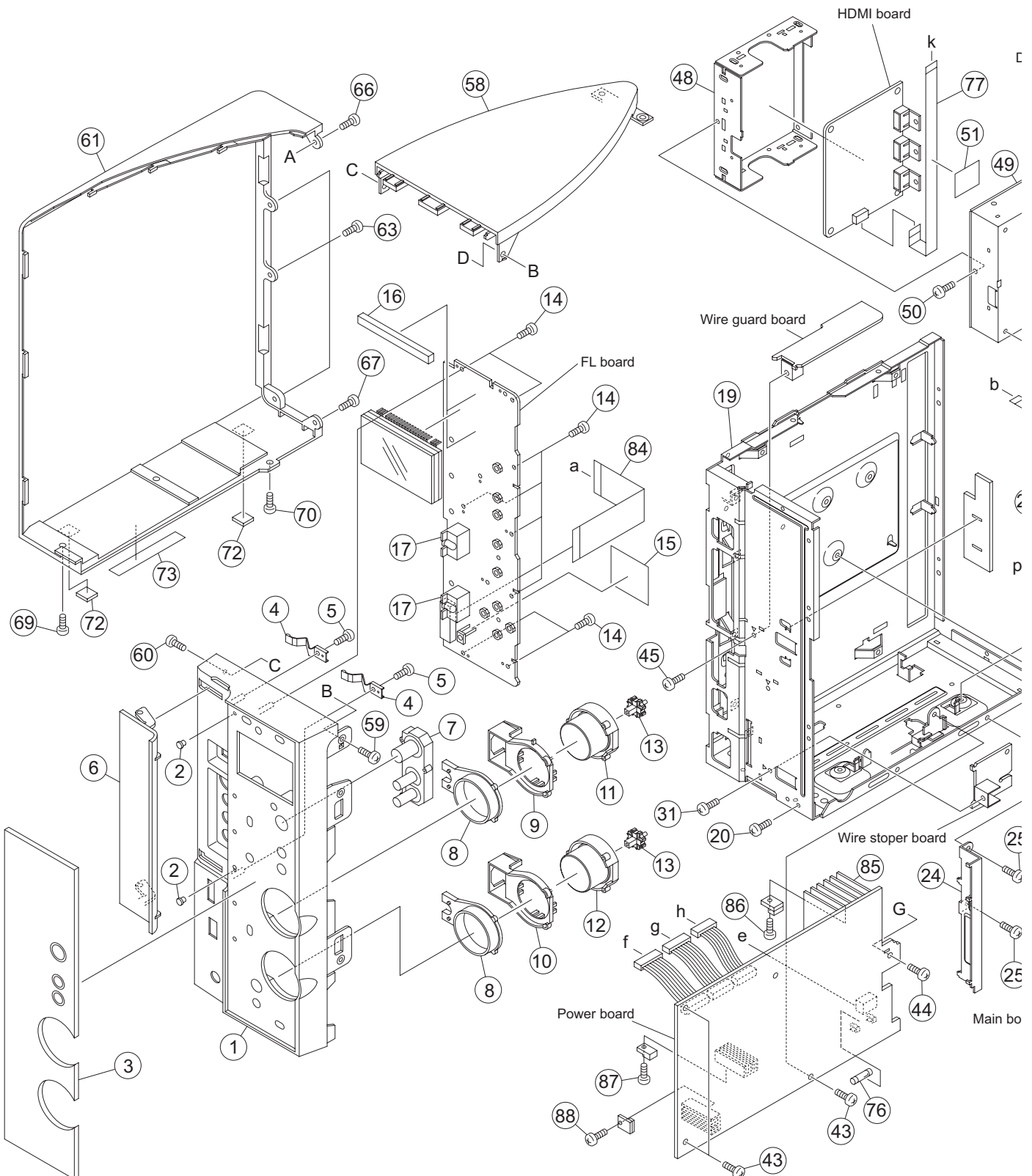
* All printed circuit boards and its assemblies are not available as service parts.

- Contents -

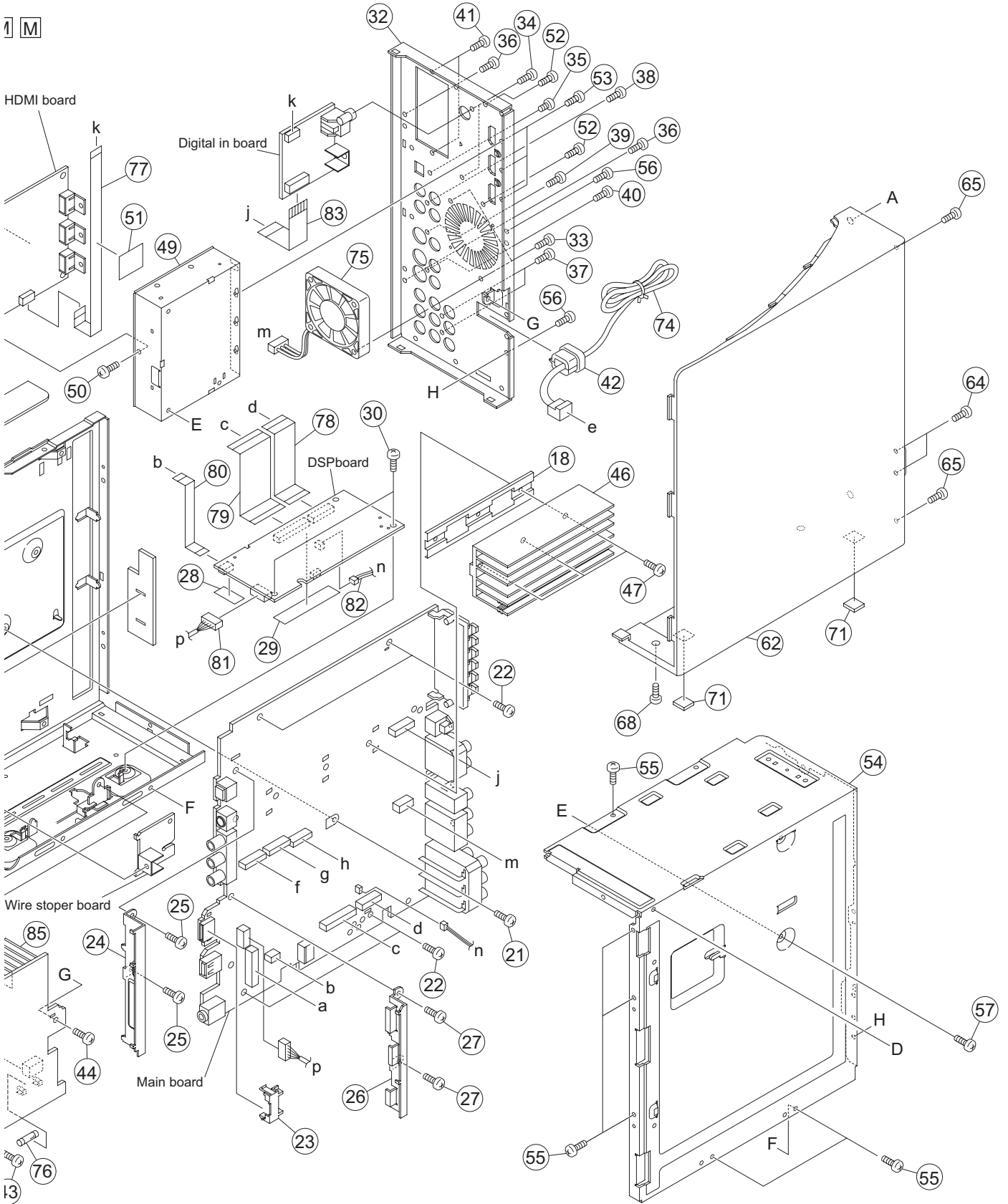
Exploded view of general assembly and parts list (Block No.M1)	3- 2
Electrical parts list (Block No.01~04)	3- 6
Packing materials and accessories parts list (Block No.M3)	3-16
(Except TH-L1UJ)	
Packing materials and accessories parts list (Block No.M4)	3-18
(Only TH-L1UJ)	

Exploded view of general assembly and parts list

Block No. M 1 M M



1 M



General Assembly

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

△	Symbol No.	Part No.	Part Name	Description	Local
	1	GV10364-001A	FRONT PANEL		
	2	E69897-002	CUSHION	(x2)	
	3	GV20472-005A	FRONT LENS		
	4	GV40745-001A	DOOR SPRING	(x2)	
	5	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	6	GV31015-001A	JACK DOOR		
	7	GV31016-001A	POWER BUTTON		
	8	GV31017-001A	RING LENS	(x2)	
	9	GV31018-001A	LENS HOLDER		
	10	GV31076-001A	CTRL LEN HOLDER		
	11	GV31074-001A	VOL.BTTN.ASSY		
	12	GV31075-001A	CNTL.BTTN.ASSY		
	13	GV40743-001A	PIVOT HOLDER	(x2)	
	14	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x8)	
	15	GV30349-078A	SPACER		
	16	GV30349-079A	FL SPACER	(x2)	
	17	GV40742-001A	LED HOLDER	(x2)	
	18	GV31028-001A	H/SINK BRACKET		
	19	GV10367-001A	BOTTOM CHASSIS		
	20	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	21	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	
	22	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x4)	
	23	GV40744-001A	iPod HOLDER		
	24	GV31024-001A	JACK BRACKET A		
	25	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	26	GV31025-001A	JACK BRACKET B		
	27	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	28	LV30225-0H8A	SPECER		
	29	LV30227-048A	SPACER		
	30	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	31	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	32	GV20471-003A	REAR PANEL		A
	32	GV20471-004A	REAR PANEL		US,UG,UN
	32	GV20471-005A	REAR PANEL		UB
	32	GV20471-006A	REAR PANEL		UJ
	33	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	34	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	35	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	
	36	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	37	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	38	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	39	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	40	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	41	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
△	42	QZW0033-001	STRAIN RELIEF		
	43	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x3)	
	44	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	45	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	46	GV31071-001A	HEAT SINK		
	47	QYSBSG3012ZA	TAP SCREW	M3 x 12mm(x3)	
	48	GV31026-001A	BASE SHIELD		
	49	GV31027-001A	TOP SHIELD		
	50	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	51	GV30349-050A	SPACER		
	52	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	53	QYSDSP3006ZA	SCREW	M3 x 6mm(x3)	
	54	GV10368-001A	TOP CHASSIS		
	55	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x6)	
	56	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	57	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	58	GV10369-001A	TOP COVER		
	59	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	60	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	61	GV10365-001A	SIDE COVER(L)		
	62	GV10366-001A	SIDE COVER(R)		
	63	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x3)	
	64	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	65	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	66	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	67	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	68	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	69	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	70	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	71	GV40313-002A	FELT SPACER	(x2)	

△	Symbol No.	Part No.	Part Name	Description	Local
	72	GV40313-002A	FELT SPACER	(x2)	
	73	GV30893-001A	NUMBER LABEL		
△	74	QMPG150-244-JC	POWER CORD(AST)	2.44m BLACK	A
△	74	QMPK200-200-JD	POWER CORD(EK)	2m BLACK	US,UJ,UG,UN
△	74	QMPN160-200-JD	POWER CORD(EK)	2m BLACK	UB
	75	QAR0456-001	FAN		
△	76	QMFZ059-2R5-E	FUSE	F 101 2.5A	A,UB
△	76	QMFZ059-4R0-E	FUSE	F 101 4A	US,UJ,UG,UN
	77	QUR110-0816AJ-E	FFC WIRE	FC 901	
	78	QUR110-1507AJ-E	FFC WIRE	FC 206	
	79	QUR110-2507AJ-E	FFC WIRE	FC 203	
	80	QUR110-0507AJ-E	FFC WIRE	FC 204	
	81	QJN044-050900-E	FFC WIRE	FW 320	
	82	WJJ0865-001A-E	WIRE	FW 205	
	83	QUQU12-1106AJ-E	FFC WIRE	FC 905 11pin 6cm	
	84	QUQU12-2112BJ-E	FFC WIRE	FC 208 21pin 12cm	
	85	GV40775-001A	HEAT SINK	HS 100	
	86	QYSBSG3012ZA	TAP SCREW	M3 x 12mm	
	87	QYSDSP3010ZA	SCREW	M3 x 10mm	
	88	QYSDSP3010ZA	SCREW	M3 x 10mm	

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
IC102	TAS5086DBT-X	IC		
IC103	TAS5142DDV-X	IC		
IC104	TAS5142DDV-X	IC		
IC105	KIA4558F-X	IC		
IC108	KIA4558F-X	IC		
IC109	RT3Y97M-X	TR ARRAY		
IC170	RT3CLLM/EF/-X	PAIR TRANSISTOR		
IC171	RT3WLMM/EF/-X	PAIR TRANSISTOR		
IC200	MN101C61GHL	IC MASK		
IC211	BR24L08F-W-X	IC(DIGITAL)		
IC235	MM1565AF-X	IC		
IC245	AK5358AET-X	IC		
IC253	KIA4558F-X	IC		
IC261	MM1503XN-X	IC		
IC262	MM1501XN-X	IC		
IC263	MM1503XN-X	IC		
IC271	TC4052BFT/W/-X	IC		
IC272	KIA4558F-X	IC		
IC273	KIA4558F-X	IC		
IC274	KIA4558F-X	IC		
IC280	NJM2584AM-X	IC		
IC281	NJM2584AM-X	IC		
IC283	NJM2580M-X	IC		
IC290	MM1503XN-X	IC		
IC291	MM1228XF-X	IC		
IC300	MM1501XN-X	IC		
IC301	MM1228XF-X	IC		
IC302	MM1503XN-X	IC		
IC303	MM1224XF-E-X	IC		
IC304	NJM2567V-X	IC		
IC310	KIA4558F-X	IC		
IC311	NJM2717M-X	IC		
IC330	TC74VHC08FT-K-X	IC		
IC331	TC74VHC32FT-K-X	IC		
Q1002	RJK005N03-X	MOS FET		
Q1003	RJK005N03-X	MOS FET		
Q1101	ISA1530AC1/QR/X	TRANSISTOR		
Q1103	2SC3928A/QR/-X	TRANSISTOR		
Q1201	ISA1530AC1/QR/X	TRANSISTOR		
Q1203	2SC3928A/QR/-X	TRANSISTOR		
Q1303	2SC3928A/QR/-X	TRANSISTOR		
Q1403	2SC3928A/QR/-X	TRANSISTOR		
Q1503	2SC3928A/QR/-X	TRANSISTOR		
Q1603	2SC3928A/QR/-X	TRANSISTOR		
Q2101	RT1N141C-X	DIGI TRANSISTOR		
Q2200	KTC3203/OY/-T	TRANSISTOR		
Q2300	KTC3203/OY/-T	TRANSISTOR		
Q2352	KTA1271/OY/-T	TRANSISTOR		
Q2353	RT1N141C-X	DIGI TRANSISTOR		
Q2400	KTA1271/OY/-T	TRANSISTOR		
Q2401	RT1N140C-X	DIGI TRANSISTOR		
Q2450	RT1N430C-X	TRANSISTOR		
Q2700	RT1N141C-X	DIGI TRANSISTOR		
Q2701	RT1N141C-X	DIGI TRANSISTOR		
D1001	MA2SD31-X	SB DIODE		
D1002	MA2SD31-X	SB DIODE		
D1101	MA111-X	SI DIODE		
D1102	MA111-X	SI DIODE		
D1201	MA111-X	SI DIODE		
D1202	MA111-X	SI DIODE		
D1203	UDZW3.3B-X	Z DIODE		
D1301	MA111-X	SI DIODE		
D1302	MA111-X	SI DIODE		
D1401	MA111-X	SI DIODE		
D1402	MA111-X	SI DIODE		
D1501	MA111-X	SI DIODE		
D1502	MA111-X	SI DIODE		
D1601	MA111-X	SI DIODE		
D1603	MA111-X	SI DIODE		
D2000	MA111-X	SI DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local
D2001	MA111-X	SI DIODE		
D2101	MA111-X	SI DIODE		
D2200	UDZW3.9B-X	Z DIODE		
D2201	UDZW3.9B-X	Z DIODE		
D2300	UDZW3.9B-X	Z DIODE		
D2301	UDZW3.6B-X	Z DIODE		
D2350	2A02-M	DIODE		
D2353	MA111-X	SI DIODE		
D2354	MA111-X	SI DIODE		
D2355	MA111-X	SI DIODE		
D2357	MA111-X	SI DIODE		
D2500	MC2836-X	DIODE		
D2502	2A02-M	DIODE		
D2505	MA111-X	SI DIODE		
D3100	MA111-X	SI DIODE		
D3101	MA111-X	SI DIODE		
C1002	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1007	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1009	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1010	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1011	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1012	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1013	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1015	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1019	QFVF1HJ-105Z	MF CAPACITOR	1uF 50V J	
C1020	QETM1HM-228	E CAPACITOR	2200uF 50V M	
C1022	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1023	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1030	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1035	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1037	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1042	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1102	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1103	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1104	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1105	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1106	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C1107	QFVF1HJ-105Z	MF CAPACITOR	1uF 50V J	
C1108	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1109	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1110	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1112	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1113	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1114	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1115	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1116	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1117	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C1118	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1119	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C1120	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1121	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1123	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1124	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1126	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z	
C1127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1201	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1202	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1203	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1204	NCB31HK-681X	C CAPACITOR	680pF 50V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C1205	QETN1VM-477Z	E CAPACITOR	470uF 35V M		C1508	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1206	QETN1VM-477Z	E CAPACITOR	470uF 35V M		C1509	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1207	QFVF1HJ-105Z	MF CAPACITOR	1uF 50V J		C1510	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1208	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1511	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1209	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1512	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1210	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1513	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1211	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1514	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1212	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		C1515	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1213	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		C1516	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1214	NCB31HK-271X	C CAPACITOR	270pF 50V K		C1523	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1215	NCB31HK-271X	C CAPACITOR	270pF 50V K		C1524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1216	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		C1525	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1217	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J		C1526	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z	
C1218	NCB31HK-271X	C CAPACITOR	270pF 50V K		C1527	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1219	NDC31HJ-560X	C CAPACITOR	56pF 50V J		C1601	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1220	NCB31HK-152X	C CAPACITOR	1500pF 50V K		C1602	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1221	QETN1CM-227Z	E CAPACITOR	220uF 16V M		C1603	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1223	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1604	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1224	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C1605	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1225	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1606	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1226	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z		C1607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1227	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1608	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1228	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C1609	QFVM2AJ-474Z	MF CAPACITOR	0.47uF 100V J	
C1301	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1610	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1611	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1303	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		C1612	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1304	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		C1613	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1305	NCB31HK-681X	C CAPACITOR	680pF 50V K		C1614	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1306	NCB31HK-681X	C CAPACITOR	680pF 50V K		C1615	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1307	NCB31HK-681X	C CAPACITOR	680pF 50V K		C1616	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1308	NCB31HK-681X	C CAPACITOR	680pF 50V K		C1617	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1309	QFVM2AJ-474Z	MF CAPACITOR	0.47uF 100V J		C1618	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C1310	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1619	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C1311	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1620	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1312	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1621	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C1313	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1623	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1314	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1624	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1315	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C1625	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1316	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		C1626	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1317	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		C1627	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z	
C1318	NCB31HK-561X	C CAPACITOR	560pF 50V K		C1628	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z	
C1319	NCB31HK-561X	C CAPACITOR	560pF 50V K		C1629	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1320	NCB31HK-271X	C CAPACITOR	270pF 50V K		C1701	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1321	NCB31HK-271X	C CAPACITOR	270pF 50V K		C1702	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1323	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1703	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C1324	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C1704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1325	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1705	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1326	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1800	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1327	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z		C1801	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1328	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z		C1802	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C1803	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C1402	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		C1804	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C1403	NCB31HK-681X	C CAPACITOR	680pF 50V K		C1805	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1404	NCB31HK-681X	C CAPACITOR	680pF 50V K		C1806	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1405	QETN1VM-477Z	E CAPACITOR	470uF 35V M		C2000	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1406	QETN1VM-477Z	E CAPACITOR	470uF 35V M		C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1407	QFVF1HJ-105Z	MF CAPACITOR	1uF 50V J		C2002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1408	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C2003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1409	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C2004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1410	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C2005	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1411	NCB31HK-472X	C CAPACITOR	4700pF 50V K		C2006	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1412	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1413	NCB31HK-473X	C CAPACITOR	0.047uF 50V K		C2008	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1414	NCB31HK-271X	C CAPACITOR	270pF 50V K		C2009	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1415	NCB31HK-271X	C CAPACITOR	270pF 50V K		C2100	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1416	NCB31HK-223X	C CAPACITOR	0.022uF 50V K		C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1423	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1424	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C2105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1425	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C2106	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1426	NCF21HZ-474X	C CAPACITOR	0.47uF 50V Z		C2200	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1427	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C2201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C2202	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1502	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		C2250	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1503	NCB31HK-681X	C CAPACITOR	680pF 50V K		C2251	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1504	NCB31HK-681X	C CAPACITOR	680pF 50V K		C2304	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1505	QETN1VM-477Z	E CAPACITOR	470uF 35V M		C2305	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1506	QETN1VM-477Z	E CAPACITOR	470uF 35V M		C2306	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C1507	QFVF1HJ-105Z	MF CAPACITOR	1uF 50V J		C2350	QETN1CM-107Z	E CAPACITOR	100uF 16V M	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C2351	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C2907	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2352	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		C2908	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2353	NCB31HK-471X	C CAPACITOR	470pF 50V K		C2909	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2354	NCB21CK-105X	C CAPACITOR	1uF 16V K		C2910	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2355	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C2911	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2400	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C2912	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C2450	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3000	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2451	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2454	NCF21CZ-474X	C CAPACITOR	0.47uF 16V Z		C3004	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2455	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C3006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2456	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3008	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C2457	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2458	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C3012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2459	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3013	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3014	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2502	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3015	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2503	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2506	NDC31HJ-101X	C CAPACITOR	100pF 50V J		C3017	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2600	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2601	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2604	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3020	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2606	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2609	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3022	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2611	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2612	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3024	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C2613	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2614	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3026	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2615	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3027	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2617	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M		C3029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2702	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3030	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2703	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3031	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C2706	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3032	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C2707	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3033	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C2708	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3034	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2709	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2710	QETN1AM-477Z	E CAPACITOR	470uF 10V M		C3103	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C2713	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2714	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3109	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2715	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2716	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C3111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2801	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3112	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2802	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C3113	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2804	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3114	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C2805	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C3115	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2807	QETN1HM-226Z	E CAPACITOR	22uF 50V M		C3120	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2808	QETN1CM-107Z	E CAPACITOR	100uF 16V M		C3121	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2810	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3122	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2812	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3123	NDC31HK-101X	C CAPACITOR	100pF 50V K	
C2814	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3124	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2816	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3125	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2818	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3126	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2820	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3127	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2821	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3128	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C2822	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3129	NDC31HK-101X	C CAPACITOR	100pF 50V K	
C2823	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3130	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2824	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3131	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2825	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3132	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2826	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3136	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2827	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3137	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2829	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3138	QETN1AM-476Z	E CAPACITOR	47uF 10V M	
C2830	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3139	QETN1AM-476Z	E CAPACITOR	47uF 10V M	
C2831	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3140	QETN1AM-476Z	E CAPACITOR	47uF 10V M	
C2832	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3141	QETN1AM-476Z	E CAPACITOR	47uF 10V M	
C2833	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3142	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2834	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3143	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3144	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2836	QETN1HM-106Z	E CAPACITOR	10uF 50V M		C3145	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2837	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		C3146	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2838	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3147	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C2839	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3148	QETN1AM-476Z	E CAPACITOR	47uF 10V M	
C2840	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3149	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2841	QETN1EM-476Z	E CAPACITOR	47uF 25V M		C3152	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2842	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		C3153	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C2901	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M		C3154	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C2904	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3155	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C2905	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		C3200	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2906	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		C3201	NCB31HK-182X	C CAPACITOR	1800pF 50V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C3300	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R1224	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
C3301	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R1225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C3302	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R1226	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
C3303	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R1227	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1002	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R1228	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1003	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J		R1229	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R1004	NRSA63F-912X	MG RESISTOR	9.1kΩ 1/16W F		R1301	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1007	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1302	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1009	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R1303	NRS144J-220X	MG RESISTOR	22Ω 1/4W J	
R1010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1304	NRS144J-220X	MG RESISTOR	22Ω 1/4W J	
R1011	NRSA63J-113X	MG RESISTOR	11kΩ 1/16W J		R1305	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1012	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1306	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1307	QRL01DJ-331X	OMF RESISTOR	330Ω 1W J	
R1016	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1308	QRL01DJ-331X	OMF RESISTOR	330Ω 1W J	
R1017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1309	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1018	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R1310	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1019	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R1311	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1020	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R1322	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1021	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R1323	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1022	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R1324	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1023	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R1325	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1024	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J		R1326	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1025	NRSA63F-912X	MG RESISTOR	9.1kΩ 1/16W F		R1327	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1026	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		R1328	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1027	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		R1401	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1028	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R1402	NRS144J-220X	MG RESISTOR	22Ω 1/4W J	
R1029	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R1403	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R1030	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R1404	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1405	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1406	NRS144J-151X	MG RESISTOR	150Ω 1/4W J	
R1101	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		R1407	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1102	NRS144J-220X	MG RESISTOR	22Ω 1/4W J		R1408	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1103	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J		R1409	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1104	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J		R1422	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1105	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J		R1423	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1106	NRS144J-151X	MG RESISTOR	150Ω 1/4W J		R1424	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1107	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J		R1425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1108	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1426	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1427	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1428	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R1111	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1112	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R1502	NRS144J-220X	MG RESISTOR	22Ω 1/4W J	
R1113	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R1503	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J	
R1114	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R1504	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1115	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R1505	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1116	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1506	NRS144J-151X	MG RESISTOR	150Ω 1/4W J	
R1117	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R1507	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1118	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1119	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J		R1509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1122	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R1522	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1123	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1523	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1124	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R1524	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R1125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1525	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1126	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J		R1526	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1127	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1527	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1128	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J		R1528	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R1201	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J		R1601	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1202	NRS144J-220X	MG RESISTOR	22Ω 1/4W J		R1602	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R1203	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J		R1603	NRS144J-220X	MG RESISTOR	22Ω 1/4W J	
R1204	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J		R1604	NRS144J-220X	MG RESISTOR	22Ω 1/4W J	
R1205	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J		R1605	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1206	NRS144J-151X	MG RESISTOR	150Ω 1/4W J		R1606	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J	
R1207	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J		R1607	QRL01DJ-331X	OMF RESISTOR	330Ω 1W J	
R1208	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1608	QRL01DJ-331X	OMF RESISTOR	330Ω 1W J	
R1209	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R1609	NRS144J-4R7X	MG RESISTOR	4.7Ω 1/4W J	
R1210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R1610	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R1611	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1212	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R1622	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R1623	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1214	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J		R1624	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R1215	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R1626	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R1628	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1218	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R1630	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R1219	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J		R1701	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1222	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R1702	NRSA63F-333X	MG RESISTOR	33kΩ 1/16W F	
R1223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R1703	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W F	
					R1704	NRSA63F-333X	MG RESISTOR	33kΩ 1/16W F	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R1705	NRSA63F-333X	MG RESISTOR	33kΩ 1/16W F		R2456	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1706	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R2500	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1709	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2501	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2502	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1800	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		R2505	QRT01DJ-2R2X	MF RESISTOR	2.2Ω 1W J	
R1801	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2600	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1802	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J		R2601	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2000	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2602	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2603	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R2002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2604	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R2004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2605	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R2005	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	A,UB	R2606	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R2005	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	US,UJ,UG ,UN	R2607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2007	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2609	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2008	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2610	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R2700	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R2010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2701	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R2011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2702	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R2012	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2703	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R2013	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2704	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R2014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UJ	R2705	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R2015	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2706	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R2016	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2707	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R2017	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2018	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2709	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2019	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,US,UB, UG,UN	R2710	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2020	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2021	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R2712	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2023	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2713	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2027	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2714	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2028	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2715	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2029	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2716	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2030	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2717	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2031	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2718	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2033	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2719	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2720	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2035	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2721	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2722	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R2039	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2726	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2040	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2727	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2041	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2728	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2729	NRSA63J-363X	MG RESISTOR	36kΩ 1/16W J	
R2043	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2800	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2044	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2045	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2046	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2047	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R2804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2048	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2805	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2049	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2806	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2050	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2807	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2051	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2809	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2052	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R2810	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2053	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R2811	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2056	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2812	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2058	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2813	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2060	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2814	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2061	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R2815	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R2062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2817	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R2101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R2819	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R2108	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R2821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2109	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R2900	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R2901	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2200	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R2902	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2300	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J		R3000	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2352	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2353	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2400	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R3004	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R3005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2450	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R3006	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R2451	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J		R3008	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R2452	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2453	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2454	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3012	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2455	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R3013	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
					R3014	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
					R3015	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
					R3016	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

Symbol No.	Part No.	Part Name	Description	Local
R3101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R3103	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3115	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3116	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3117	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3118	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3119	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3120	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3121	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R3122	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3123	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3124	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3127	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3128	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3130	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3132	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R3133	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R3134	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3136	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R3137	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R3138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L1101	QQR1783-001	CHOKE COIL		
L1201	QQR1783-001	CHOKE COIL		
L1301	QQR1783-001	CHOKE COIL		
L1302	QQR1783-001	CHOKE COIL		
L1401	QQR1783-001	CHOKE COIL		
L1501	QQR1783-001	CHOKE COIL		
L1601	QQR1783-001	CHOKE COIL		
L1602	QQR1783-001	CHOKE COIL		
L2000	QQL25CK-221Z	COIL	220uH K	
L3100	QQL25CK-221Z	COIL	220uH K	
CN200	QGA2501C1-07	CONNECTOR	W-B (1-7)	
CN201	QGA2501C1-07	CONNECTOR	W-B (1-7)	
CN202	QGA2501C1-06	CONNECTOR	W-B (1-6)	
CN203	QGF1036C2-25	CONNECTOR	FFC/FPC (1-25)	
CN204	QGF1036C2-05	CONNECTOR	FFC/FPC (1-5)	
CN205	QGA1002C1-03X	CONNECTOR	W-B (1-3)	
CN206	QGF1036C2-15	CONNECTOR	FFC/FPC (1-15)	
CN208	QGF1205C2-21	CONNECTOR	FFC/FPC (1-21)	
CN209	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN320	QGA2001C1-05	CONNECTOR	W-B (1-5)	
CN905	QGF1205C2-11	CONNECTOR	FFC/FPC (1-11)	
△ CP200	ICP-N5-T	IC PROTECTOR	250mA	
EP102	QNZ0136-001Z	EARTH PLATE		
EP146	E409182-001SM	GRAND TERMINAL		
J1001	QNB0189-001	SPEAKER TERMINA		
J1800	QNS0173-001	JACK		
J2600	QND0156-001	S.JACK		
J2601	QNN0814-001	PIN JACK		
J2700	QNN0828-001	AUX JACK		
J2800	QNN0829-001	PIN JACK		
J2900	QNN0557-002	PIN JACK		
J3000	QNN0570-001	PIN JACK		
J3100	NNZ0177-001X	CONNECTOR		
J3200	QNZ0938-001	USB CONNECTOR		
J3300	GP1FMV31RK0F	OPTICAL JACK		
J3301	GP1FAV30RK0F	OPT RECEIVER		
K1001	NQR0502-001X	FERRITE BEADS		
K1002	NQR0502-001X	FERRITE BEADS		
K1800	NQR0007-002X	FERRITE BEADS		
K1801	NQR0007-002X	FERRITE BEADS		
K1802	NQR0007-002X	FERRITE BEADS		
K2000	QQR0621-001Z	COIL		
K3100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K3103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
PP240	QZW0112-001	WIRE CLAMP		
X2000	QAX0667-001Z	C RESONATOR	8.000MHz	

Power board

Symbol No.	Part No.	Part Name	Description	Local
△ IC100	STR-W6765N	IC		A,UB
△ IC100	STR-X6768N	IC		US,UJ,UG ,UN
IC250	PQ1CG2032FZ	IC		
IC260	TC74VHC04FT-K-X	IC		
IC270	KIA431A-T	IC		
IC850	GP1UE281RKVF	IR DETECT		
IC900	TC74VHC04FT-K-X	IC		
Q201	2SJ651	POWER MOS FET		
Q204	RT1N141C-X	DIGI TRANSISTOR		
Q211	KTC3265/Y/-X	TRANSISTOR		
Q213	ISA1530AC1/QR/X	TRANSISTOR		
Q214	RT1N441C-X	TRANSISTOR		
Q231	2SJ632-X	POWER MOS FET		
Q232	2SC3928A/QR/-X	TRANSISTOR		
Q251	RTQ035P02-W	MOS FET		
Q271	RT1N141C-X	DIGI TRANSISTOR		
Q272	RT1N141C-X	DIGI TRANSISTOR		
Q273	RT1N141C-X	DIGI TRANSISTOR		
Q274	RT1P141C-X	DIGI TRANSISTOR		
Q850	RT1N430C-X	TRANSISTOR		
△ D101	D3SBA60	BRIDGE DIODE		
D102	SARS01-T2	FR DIODE		
D103	SARS01-T2	FR DIODE		
D104	1SS244-T2	SI DIODE		
D105	1SS133-T2	SI DIODE		
D106	1SS133-T2	SI DIODE		
D107	1SS133-T2	SI DIODE		US,UJ,UG ,UN
D201	FMN-G12S	SI DIODE		
D202	MTZJ39D-T2	Z.DIODE		
D211	FR104S-T5	FR DIODE		
D213	MTZJ2.4B-T2	Z DIODE		
D214	FR104S-T5	FR DIODE		
D215	1SS133-T2	SI DIODE		
D216	MTZJ3.3B-T2	Z DIODE		
D231	FR104S-T5	FR DIODE		
D232	MTZJ16B-T2	Z DIODE		
D233	MTZJ5.1C-T2	Z DIODE		
D251	EC30HA04-X	SB DIODE		
D252	1N4003S-T5	SI DIODE		
D253	MTZJ10C-T2	Z DIODE		
D261	MTZJ5.6A-T2	Z DIODE		
D271	MTZJ10C-T2	Z DIODE		
D273	MTZJ20C-T2	Z DIODE		
D274	MTZJ20C-T2	Z DIODE		
D275	1SS133-T2	SI DIODE		
D851	SLR-343VC-T	LED		
D852	SLR-343VC-T	LED		
D853	SLR-343VC-T	LED		
D854	SLR-343VC-T	LED		
D855	SLR-343VC-T	LED		
D856	SLR-343VC-T	LED		
D857	SELU1E54CM-P	LED		
D858	SELU1E54CM-P	LED		
D900	1SS133-T2	SI DIODE		
D901	1SS133-T2	SI DIODE		
△ PC101	PC123Y22FZ	PHOTO COUPLER		
△ C101	QFZ9073-154	MM CAPACITOR	0.15uF AC250V M	A,UB
△ C101	QFZ9085-684	M CAPACITOR	0.68uF	US,UJ,UG ,UN
△ C102	QCZ9134-102	C CAPACITOR	1000pF	
△ C103	QCZ9134-102	C CAPACITOR	1000pF	
△ C104	QFZ9073-154	MM CAPACITOR	0.15uF AC250V M	A,UB
△ C105	QEZ0792-227	E CAPACITOR	220uF 400V M	A,UB
△ C105	QEZ0791-477	E CAPACITOR	470uF	US,UJ,UG ,UN
C106	QCZ0136-332Z	C CAPACITOR	3300pF 1kV K	
C107	QCZ0340-102	C CAPACITOR	1000pF 2kV K	

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C109	QEZO657-226Z	E CAPACITOR	22uF 35V M		R231	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
C110	NCB31HK-471X	C CAPACITOR	470pF 50V K		R232	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R233	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R234	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
C113	NCB31HK-332X	C CAPACITOR	3300pF 50V K		R235	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
C114	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R236	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
△ C121	QCZ9134-102	C CAPACITOR	1000pF		R237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C201	QCZO136-332Z	C CAPACITOR	3300pF 1kV K		R238	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C202	QEZO779-827	E CAPACITOR	820uF 35V M		R252	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
C203	QEZO779-827	E CAPACITOR	820uF 35V M		R253	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C211	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R254	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C212	QEZO655-826Z	E CAPACITOR	82uF 16V M		R261	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C213	QCZO202-155Z	C CAPACITOR	1.5uF 25V Z		R262	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
C215	QCZO136-101Z	C CAPACITOR	100pF 1kV K		R263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C216	QEZO657-396Z	E CAPACITOR	39uF 35V M		R264	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C218	QETN1HM-226Z	E CAPACITOR	22uF 50V M		R271	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C220	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R272	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
C231	NCB31HK-472X	C CAPACITOR	4700pF 50V K		R273	NRSA63F-622X	MG RESISTOR	6.2kΩ 1/16W F	
C232	NCB31HK-222X	C CAPACITOR	2200pF 50V K		R274	NRSA63F-622X	MG RESISTOR	6.2kΩ 1/16W F	
C233	NCB31HK-222X	C CAPACITOR	2200pF 50V K		R275	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C234	QEZO655-107Z	E CAPACITOR	100uF 16V M		R276	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
C235	QEZO655-337Z	E CAPACITOR	330uF 16V M		R277	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C251	QETN1HM-107Z	E CAPACITOR	100uF 50V M		R278	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C252	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R279	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C253	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R280	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C254	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R281	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C255	QEZO654-108Z	E CAPACITOR	1000uF 10V M		R282	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C261	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R286	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
C263	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R851	NRSA63J-131X	MG RESISTOR	130Ω 1/16W J	
C271	NCB31HK-333X	C CAPACITOR	0.033uF 50V K		R852	NRSA63J-131X	MG RESISTOR	130Ω 1/16W J	
C272	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J		R853	NRSA63J-131X	MG RESISTOR	130Ω 1/16W J	
C273	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R854	NRSA63J-131X	MG RESISTOR	130Ω 1/16W J	
C292	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R855	NRSA63J-131X	MG RESISTOR	130Ω 1/16W J	
C295	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R856	NRSA63J-161X	MG RESISTOR	160Ω 1/16W J	
C800	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R857	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K		R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C851	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C853	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R860	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R862	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R863	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
C900	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R864	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C901	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R865	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
C902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R867	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C903	NDC31HJ-101X	C CAPACITOR	100pF 50V J		R868	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
C905	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R869	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
C907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R900	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
△ R101	QRZ9037-335	COMP RESISTOR	3.3MΩ 1/2W K		R901	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R103	QRZO255-224	UNF C RESISTOR	220kΩ		R902	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R105	QRL02DJ-220X	OMF RESISTOR	22Ω 2W J		R903	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R106	QRZ0254-154	UNF C RESISTOR	150kΩ	A,UB	R904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	QRL027J-823	OMF RESISTOR	82kΩ 2W J	US,UJ,UG ,UN	L101	QQR1790-001	LINE FILTER		A,UB
R108	QRT01DJ-R39X	MF RESISTOR	0.39Ω 1W J	A,UB	L101	QQR1782-001	LINE FILTER		US,UJ,UG ,UN
R108	QRT01DJ-R27X	MF RESISTOR	0.27Ω 1W J	US,UJ,UG ,UN	△ L102	QQR1790-001	LINE FILTER		A,UB
R109	QRT01DJ-R47X	MF RESISTOR	0.47Ω 1W J	A,UB	△ L102	QQR1782-001	LINE FILTER		US,UJ,UG ,UN
R109	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	US,UJ,UG ,UN	L231	QQL81AK-331Z	COIL	330uH K	
R110	QRE141J-121Y	C RESISTOR	120Ω 1/4W J		L232	QQL244K-100Z	COIL	10uH K	
R111	QRZ9005-680X	FUSI RESISTOR	68Ω		L251	QQL82AK-101	COIL	100uH K	
R112	QRK126J-122X	UNF C RESISTOR	1.2kΩ 1/2W J		△ T101	QQS0374-001	SW TRANSF		
R113	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	US,UJ,UG ,UN	△ CN101	QGA7901C1-02	CONNECTOR	W-B (1-2)	
R114	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN860	QGF1210G1-21	CONNECTOR	FFC/FPC (1-21)	
R115	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		CN900	QGF1205F2-11	CONNECTOR	FFC/FPC (1-11)	
R131	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		CN901	QGF1036F2-08	CONNECTOR	FFC/FPC (1-8)	
R132	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		△ CP201	ICP-N38-T	IC PROTECTOR	1.5A	
R133	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		△ CP211	ICP-N10-T	IC PROTECTOR	400mA	
R134	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		DI800	QLF0185-001	FL TUBE		
R135	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		EP900	E409182-001SM	GRAND TERMINAL		
R201	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J		EP990	E409182-001SM	GRAND TERMINAL		
R202	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J		FC101	QNG0019-001Z	FUSE CLIP		
△ R212	QRZ9005-100X	FUSI RESISTOR	10Ω		FC102	QNG0019-001Z	FUSE CLIP		
R213	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		FW201	QJK009-060911-E	WIRE		
R214	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		FW202	QJK009-070910-E	WIRE		
R215	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		FW203	QJK009-070911-E	WIRE		
R216	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J		HS201	GV40577-001A	HEAT SINK		
R217	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J		HS202	E70945-H40B	HEAT SINK	HS 921	

Symbol No.	Part No.	Part Name	Description	Local	Symbol No.	Part No.	Part Name	Description	Local
HS250	GV40614-001A	HEAT SINK			R2084	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
J900	QNZ0689-001	PIN JACK			R2085	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K900	NQR0007-002X	FERRITE BEADS			R2086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S861	QSW0683-001Z	PUSH SW			R2087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S862	QSW0683-001Z	PUSH SW			R2088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
S863	QSW0683-001Z	PUSH SW			R2091	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
S864	QSW0683-001Z	PUSH SW			R2092	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
S865	QSW0683-001Z	PUSH SW			L2001	NQR0597-001X	EMI FILTER		
S866	QSW0683-001Z	PUSH SW			L2002	NQR0597-001X	EMI FILTER		
S867	QSW0683-001Z	PUSH SW			L2003	NQR0597-001X	EMI FILTER		
S868	QSW0683-001Z	PUSH SW			L2004	NQR0597-001X	EMI FILTER		
S869	QSW0683-001Z	PUSH SW			CN51	QGF1016F8-08W	CONNECTOR	FFC/FPC (1-8)	
TH101	QAD0141-8R0	N THERMISTOR	8Ω		J2001	NNZ0161-002	CONNECTOR		
TH201	NAD0025-103X	N THERMISTOR	10kΩ		J2002	NNZ0161-002	CONNECTOR		
VA101	QAF0026-751	VARIATOR	750V		J2003	NNZ0161-002	CONNECTOR		

HDMI board

Block No. [0][3]

Symbol No.	Part No.	Part Name	Description	Local
IC52	TC7WB125FK-X	IC		
IC53	CXB1442AR	IC		
IC55	MM1563DF-X	IC		
IC56	LD2981ABM50-X	IC		
IC57	TC7WB125FK-X	IC		
Q2001	ISA1530AC1/QR/X	TRANSISTOR		
Q2002	2SC3928A/QR/-X	TRANSISTOR		
Q2003	2SC3928A/QR/-X	TRANSISTOR		
Q2004	RT1N141C-X	DIGI TRANSISTOR		
Q2005	RT1N141C-X	DIGI TRANSISTOR		
Q2006	RT1N141C-X	DIGI TRANSISTOR		
Q2007	RT1N141C-X	DIGI TRANSISTOR		
Q2008	RT1N141C-X	DIGI TRANSISTOR		
Q2009	RT1N141C-X	DIGI TRANSISTOR		
Q2010	RT1N141C-X	DIGI TRANSISTOR		
C2002	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2004	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C2006	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C2013	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2014	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2015	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2016	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2017	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C2019	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2036	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2039	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

K2001	NQR0502-001X	FERRITE BEADS		
K2006	NQR0502-001X	FERRITE BEADS		
K2008	NQR0502-001X	FERRITE BEADS		
K2009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K2010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K2011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
VA51	NAF0024-001X	ESD SUPPRESSOR	V	
VA52	NAF0024-001X	ESD SUPPRESSOR	V	
VA53	NAF0024-001X	ESD SUPPRESSOR	V	
VA54	NAF0024-001X	ESD SUPPRESSOR	V	
VA55	NAF0024-001X	ESD SUPPRESSOR	V	
VA56	NAF0024-001X	ESD SUPPRESSOR	V	
VA57	NAF0024-001X	ESD SUPPRESSOR	V	
VA58	NAF0024-001X	ESD SUPPRESSOR	V	
VA59	NAF0018-800X	VARIATOR	80V	
VA60	NAF0018-800X	VARIATOR	80V	
VA61	NAF0018-800X	VARIATOR	80V	
VA62	NAF0024-001X	ESD SUPPRESSOR	V	
VA63	NAF0024-001X	ESD SUPPRESSOR	V	
VA64	NAF0024-001X	ESD SUPPRESSOR	V	
VA65	NAF0024-001X	ESD SUPPRESSOR	V	
VA66	NAF0024-001X	ESD SUPPRESSOR	V	
VA67	NAF0024-001X	ESD SUPPRESSOR	V	
VA68	NAF0024-001X	ESD SUPPRESSOR	V	
VA69	NAF0024-001X	ESD SUPPRESSOR	V	
VA70	NAF0018-800X	VARIATOR	80V	
VA71	NAF0018-800X	VARIATOR	80V	
VA72	NAF0018-800X	VARIATOR	80V	
VA73	NAF0024-001X	ESD SUPPRESSOR	V	
VA74	NAF0024-001X	ESD SUPPRESSOR	V	
VA75	NAF0024-001X	ESD SUPPRESSOR	V	
VA76	NAF0024-001X	ESD SUPPRESSOR	V	
VA77	NAF0024-001X	ESD SUPPRESSOR	V	
VA78	NAF0024-001X	ESD SUPPRESSOR	V	
VA79	NAF0024-001X	ESD SUPPRESSOR	V	
VA80	NAF0024-001X	ESD SUPPRESSOR	V	
VA81	NAF0018-800X	VARIATOR	80V	
VA82	NAF0018-800X	VARIATOR	80V	
VA83	NAF0018-800X	VARIATOR	80V	

DSP board

Block No. [0][4]

Symbol No.	Part No.	Part Name	Description	Local
IC301	MN2DS0018MA	IC		
IC302	MM1701CH-X	IC		
IC303	XC2164A51FM-X	IC		
IC305	MM1563DF-X	IC		
IC453	S-80830CNNB-G-W	IC		
IC505	K4S641632K-UC75	IC		
IC505	or K4S641632H-UC75	IC		
IC509	SG32A90TFIR3	IC(MICRO C ROM)		
IC510	BR24L16F-W-X	IC(DIGITAL)		
IC706	TC7SH08FU-X	IC		
IC707	TC7SH04FU-X	IC		
IC801	MM1565AF-X	IC		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q801	RT1P441C-X	DIGI TRANSISTOR			R128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Q801	or UN2113-X	TRANSISTOR			R130	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Q801	or KRA104S-X	DIGI TRANSISTOR			R131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C301	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M		R132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M		R290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C303	NEAF0GM-476X	E CAPACITOR	47uF 4V M		R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R304	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
C305	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C309	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C310	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R314	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C313	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R318	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
C315	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C316	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R333	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C318	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C319	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J		R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J		R342	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C330	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K		R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C332	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R349	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C333	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R350	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C334	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R351	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C335	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K		R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K		R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M		R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R359	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R360	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C345	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R362	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C349	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K		R378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R379	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K		R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C370	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C372	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C373	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R394	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C374	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C375	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R396	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C378	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R397	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C379	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K		R531	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K		R541	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C383	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R704	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C391	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M		R705	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C392	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R712	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R713	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R720	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C551	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C554	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C555	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R730	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K		R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M		R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C559	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R740	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C560	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R811	NRS181J-330X	MG RESISTOR	33Ω 1/8W J	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z		R812	NRS181J-330X	MG RESISTOR	33Ω 1/8W J	
C563	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R813	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C564	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R814	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C721	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R819	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C744	NEAF1CM-106X	E CAPACITOR	10uF 16V M		R859	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C801	NCB21CK-105X	C CAPACITOR	1uF 16V K		R860	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C802	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		R861	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
C803	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M		CN701	QGF1016F8-25W	CONNECTOR	FFC/FPC (1-25)	
C804	NCB31HK-471X	C CAPACITOR	470pF 50V K		CN702	QGF1016F8-15W	CONNECTOR	FFC/FPC (1-15)	
R103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN704	QGA1002F1-03X	CONNECTOR	W-B (1-3)	
R111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN801	QGF1016F8-05W	CONNECTOR	FFC/FPC (1-5)	
					CN811	QGA2001F6-05X	CONNECTOR	W-B (1-5)	

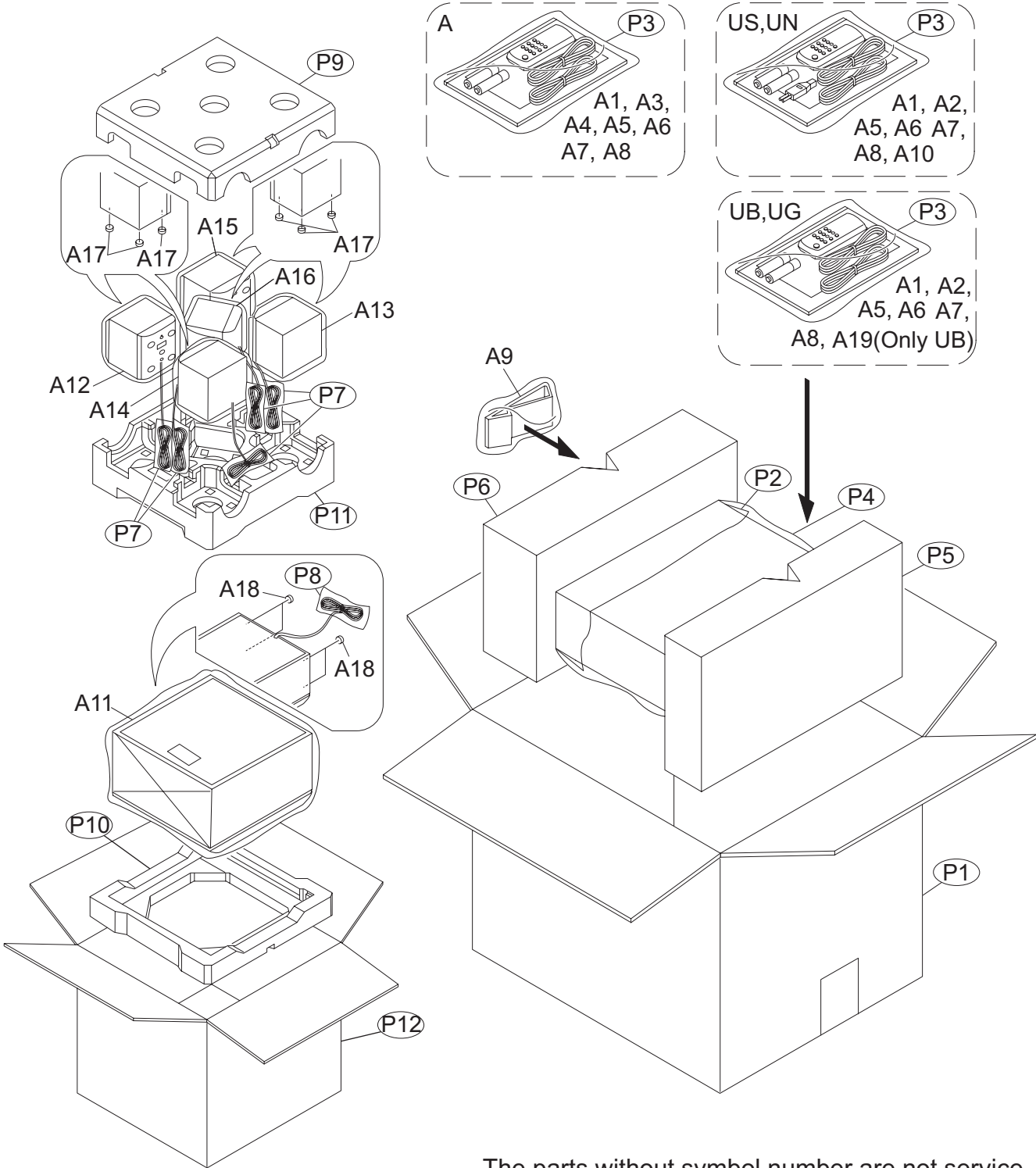
Symbol No.	Part No.	Part Name	Description	Local
K351	NQR0502-001X	FERRITE BEADS		
K352	NQR0502-001X	FERRITE BEADS		
K353	NQR0502-001X	FERRITE BEADS		
K354	NQR0022-002X	FERRITE BEADS		
K501	NQR0502-001X	FERRITE BEADS		
K701	NQR0022-002X	FERRITE BEADS		
K702	NQR0022-002X	FERRITE BEADS		
K703	NQR0022-002X	FERRITE BEADS		
K704	NQR0022-002X	FERRITE BEADS		
K705	NQR0022-002X	FERRITE BEADS		
K706	NQR0022-005X	FERRITE BEADS		
K707	NQR0022-002X	FERRITE BEADS		
K708	NQR0022-002X	FERRITE BEADS		
K709	NQR0022-002X	FERRITE BEADS		
K710	NQR0022-002X	FERRITE BEADS		
K711	NQR0022-002X	FERRITE BEADS		
K712	NQR0360-003X	FERRITE BEADS		
K713	NQR0360-003X	FERRITE BEADS		
K714	NQR0502-001X	FERRITE BEADS		
K722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K759	NQR0251-004X	FERRITE BEADS		
K761	NQR0251-004X	FERRITE BEADS		
K762	NQR0251-004X	FERRITE BEADS		
K763	NQR0251-004X	FERRITE BEADS		
K765	NQR0251-004X	FERRITE BEADS		
K811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
TH301	NAD0025-103X	N THERMISTOR	10kΩ	
X301	NAX0741-001X	CRYSTAL	27.000MHz	
X302	NAX0376-002X	CRYSTAL		

Packing materials and accessories parts list

<Except TH-L1UJ>

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDS are available.



The parts without symbol number are not service.

Packing and Accessories(Except TH-L1UJ)

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

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0206-006A	INST BOOK	ENG	
	A 2	GVT0206-007A	INST BOOK	CHI(PEKIN)	US,UB,UN
	A 2	GVT0206-009A	INST BOOK	ARA PER	UG
	A 3	-----	WARRANTY CARD	BT-56017-1	A
	A 4	-----	WARRANTY CARD	BT-56016-1	A
	A 5	RM-STHL1A	REMOCON		
	A 6	-----	BATTERY	1.5V(x2)	
	A 7	QAM0944-001	PIN CABLE		
	A 8	QAM0955-002	iPod CABLE		
	A 9	LV37205-003A	STAND ASSY		
△	A10	QAM0112-002	CONVERSION PLUG		US,UN
	A11	ASL5WTHL1-EB01	SPK WITH BOX-W		
	A12	ASL5MTHL1-EB01L	SPK WITH BOX-FL		
	A13	ASL5MTHL1-EB01R	SPK WITH BOX-FR		
	A14	ASL5UTHL1-EB01L	SPK WITH BOX-SL		
	A15	ASL5UTHL1-EB01R	SPK WITH BOX-SR		
	A16	ASL5CTHL1-EB01	SPK WITH BOX-C		
	A17	DUF003033-0001	FOOT	(x15)	
	A18	BRF500020-0001	FOOT	(x4)	
	A19	GV30024-060A	UB SHEET		UB
	P 1	GV20480-002A	CARTON		
	P 2	GV40437-006A	CLOTH		
	P 3	QPC02503515PB	POLY BAG	25cm x 35cm	
	P 4	QPC05006515PB	POLY BAG	50cm x 65cm	
	P 5	GV20478-001A	CUSHION (FRONT)		
	P 6	GV20479-001A	CUSHIN (REAR)		
	P 7	IVA503020-0050	POLY BAG	(x5)	
	P 8	IVA502003-0060	POLY BAG		
	P 9	ITF530681-0001	TOP CUSHION		
	P10	ITF530681-0002	BOTTOM CUSHION		
	P11	ITF530681-0003	MIDDLE CUSHION		
	P12	ICC500444-0857	CARTON BOX		A
	P12	ICC500444-0858	CARTON BOX		US,UB,UG,UN

Packing and Accessories(Only TH-L1UJ)

Block No. [M][4][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0206-006A	INST BOOK	ENG	
	A 2	QAM0944-001	PIN CABLE		
△	A 3	QAM0112-002	CONVERSION PLUG		
	A 4	-----	BATTERY	1.5V(x2)	
	A 5	QAM0955-002	iPod CABLE		
	A 6	RM-STHL1A	REMOCON		
	A 7	ASL5WTHL1-EB01	SPK WITH BOX-W		
	A 8	ASL5MTHL1-EB01L	SPK WITH BOX-FL		
	A 9	ASL5MTHL1-EB01R	SPK WITH BOX-FR		
	A10	ASL5UTHL1-EB01L	SPK WITH BOX-SL		
	A11	ASL5UTHL1-EB01R	SPK WITH BOX-SR		
	A12	ASL5CTHL1-EB01	SPK WITH BOX-C		
	A13	DUF003033-0001	FOOT	(x15)	
	A14	BRF500020-0001	FOOT	(x4)	
	A15	LV37205-003A	STAND ASSY		
	P 1	GV20481-003A	MASTER CARTON		
	P 2	GV40437-006A	CLOTH		
	P 3	QPC02503515PB	POLY BAG	25cm x 35cm	
	P 4	QPC05006515PB	POLY BAG	50cm x 65cm	
	P 5	GV20478-001A	CUSHION (FRONT)		
	P 6	GV20479-001A	CUSHION (REAR)		
	P 7	IVA503020-0050	POLY BAG	(x5)	
	P 8	IVA502003-0060	POLY BAG		
	P 9	ITF530681-0001	TOP CUSHION		
	P10	ITF530681-0002	BOTTOM CUSHION		
	P11	ITF530681-0003	MIDDLE CUSHION		

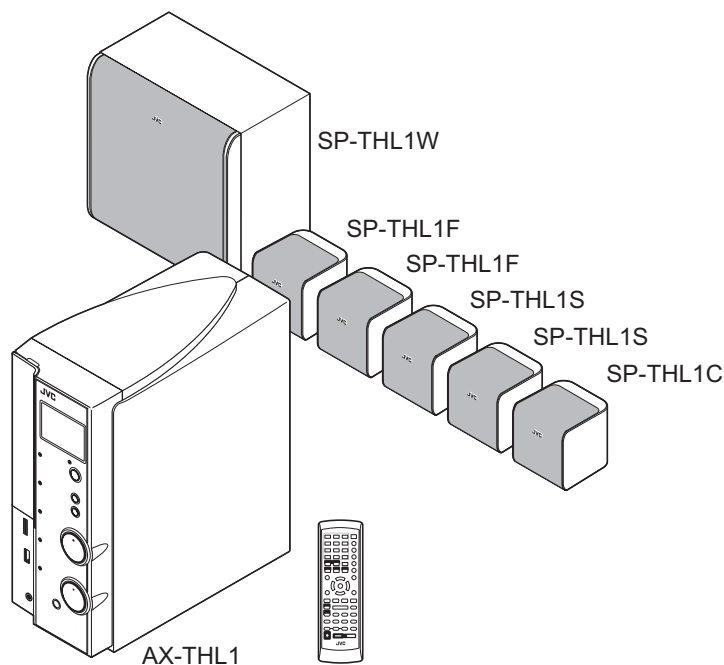
JVC

SCHEMATIC DIAGRAMS

DIGITAL MEDIA SYSTEM

TH-L1A, TH-L1US, TH-L1UB TH-L1UJ, TH-L1UG, TH-L1UN

CD-ROM No.SML200707



HDMI



DOLBY
DIGITAL
PRO LOGIC II

dts
Digital Surround

Digital Direct Progressive Scan **MPEG-4**
ASF PLAYBACK

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

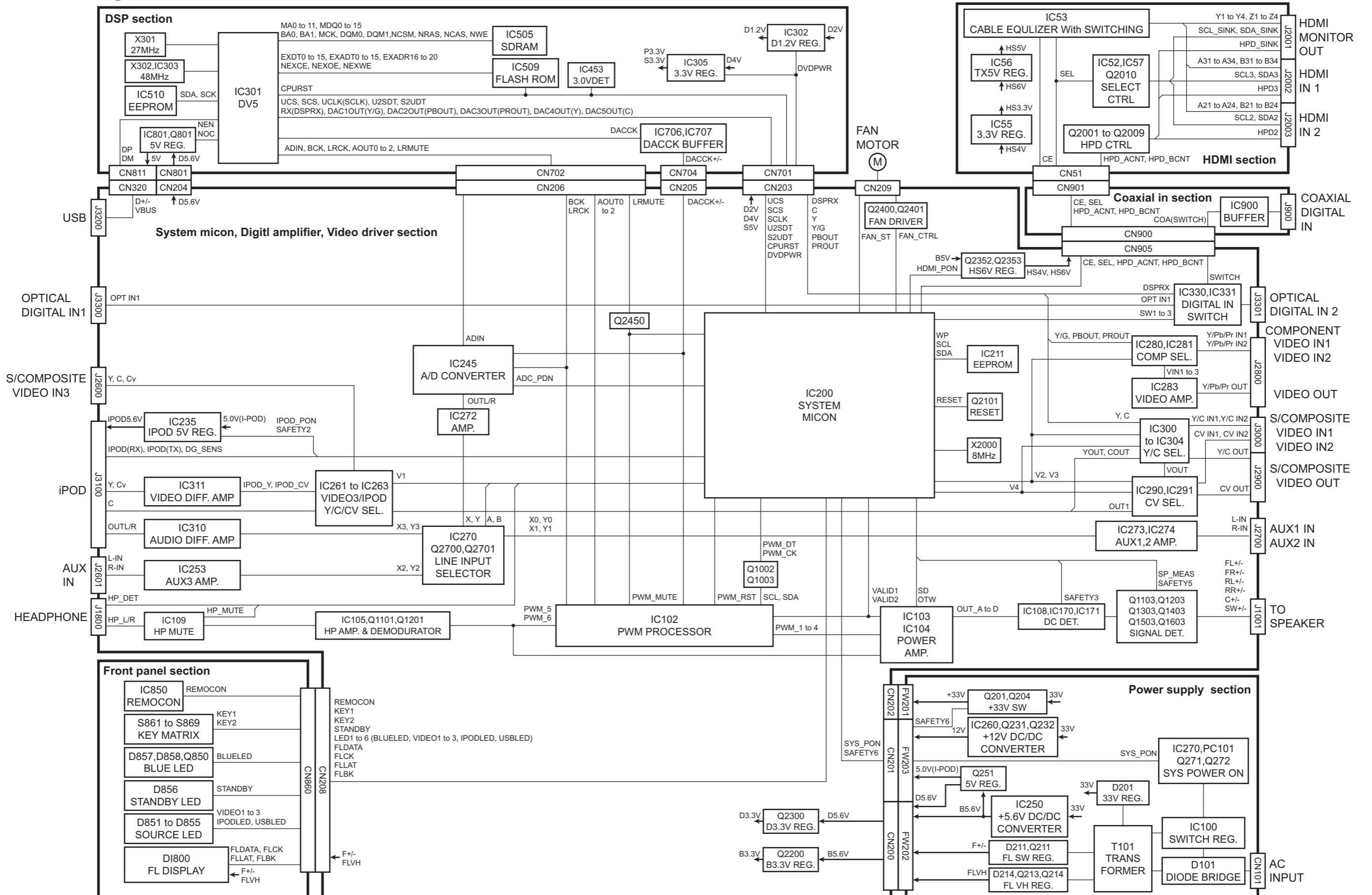
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

Contents

Block diagrams	2-1
Standard schematic diagrams	2-2
Printed circuit boards	2-11 to 13

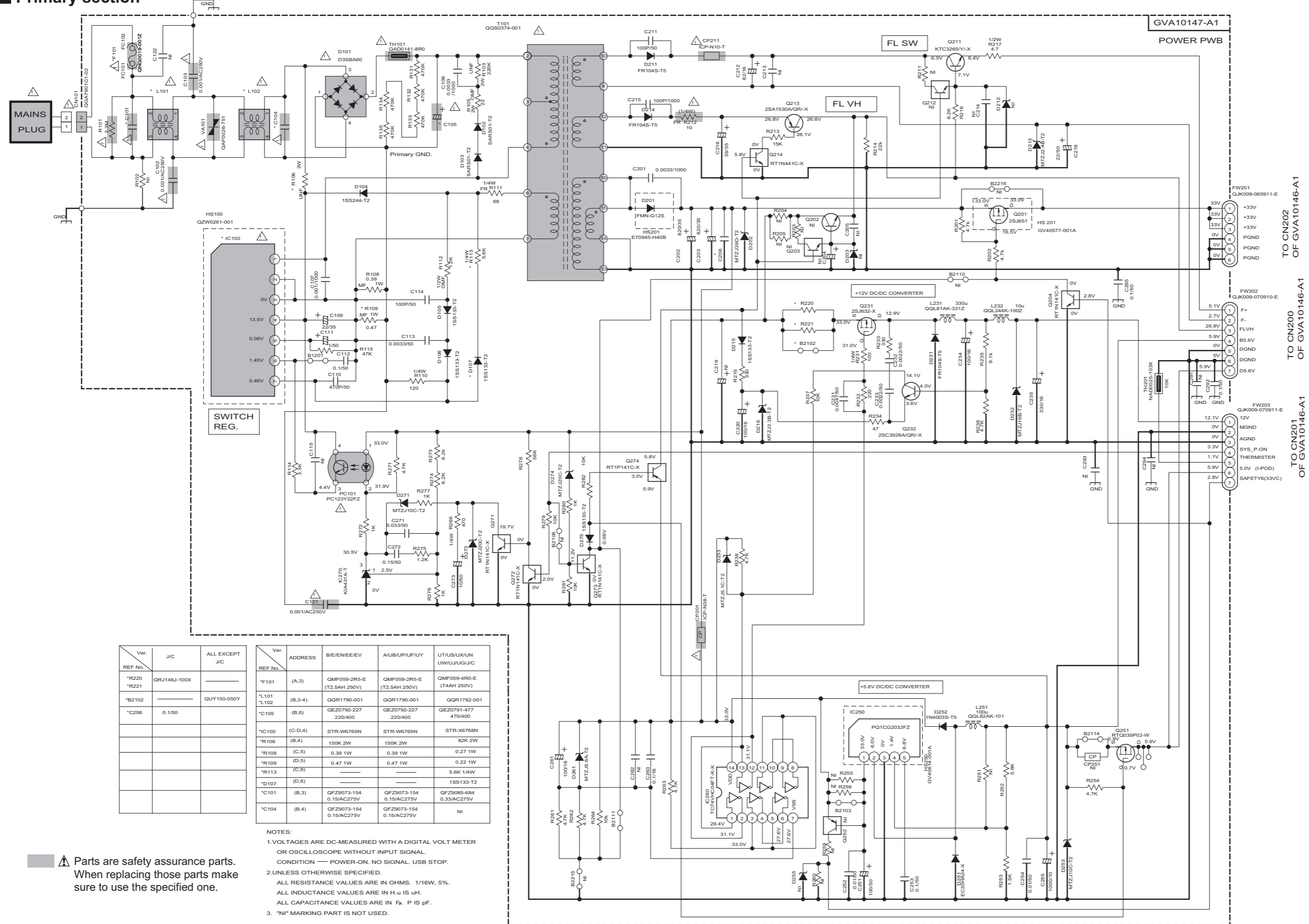
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▣) and ICP (●) or identified by the "▲" mark nearby are critical for safety.

Block diagram



Standard schematic diagrams

Primary section



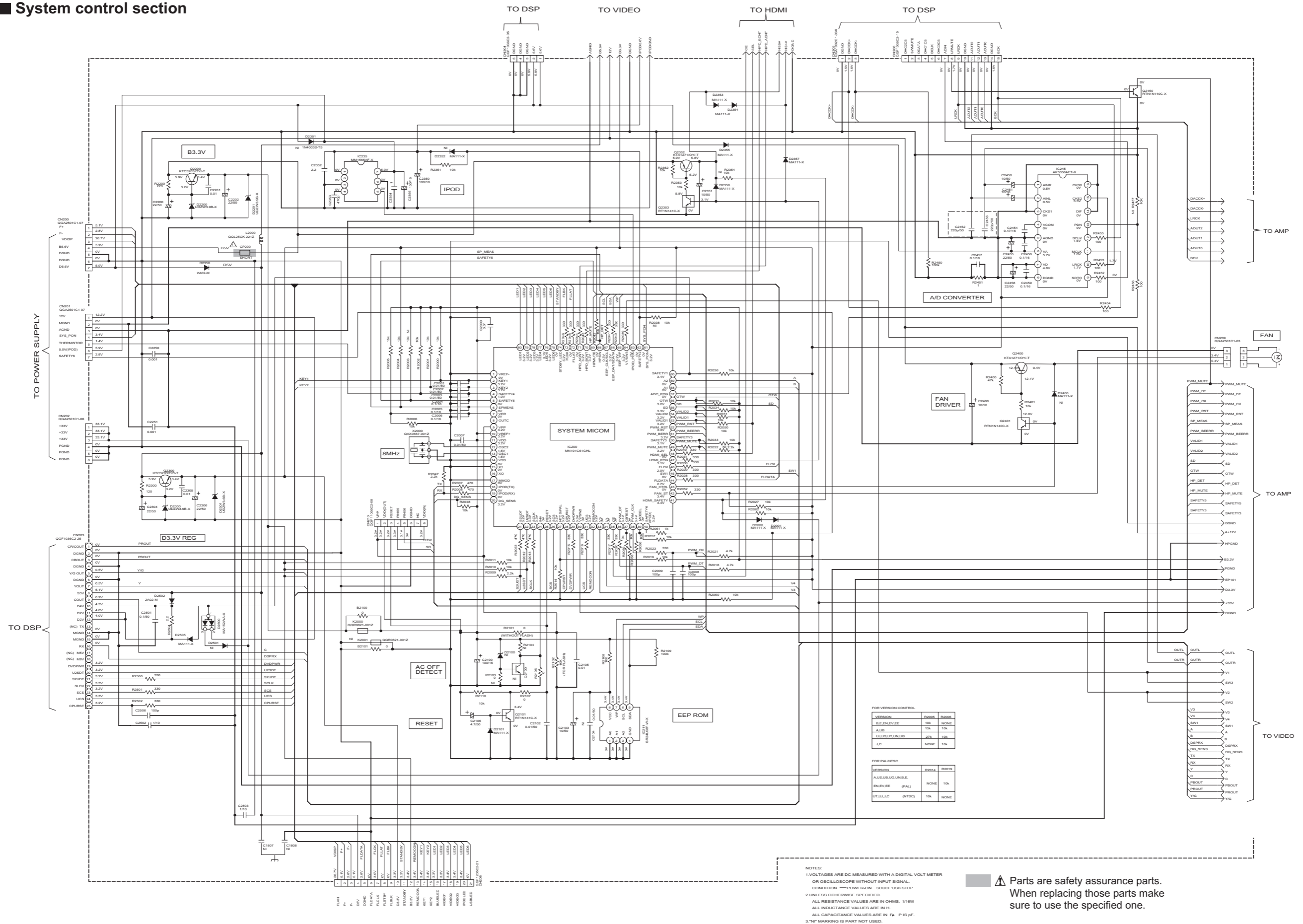
Ver.	J/C	ALL EXCEPT J/C
*R220	QRJ146J-100X	
*R221		
*B2102		QUY150-050Y
*C206	0.1/50	

Ver.	ADDRESS	B/E/EN/EE/EV	A/UB/UP/UF/UY	UT/US/UX/UN UW/UJ/UG/J/C
*F101	(A.3)	OMF059-2R5-E (T2.5AH 250V)	OMF059-2R5-E (T2.5AH 250V)	OMF059-4R0-E (T4AH 250V)
*L101	(B.3-4)	QQR1790-001	QQR1790-001	QQR1782-001
*L102				
*C105	(B.6)	QE20792-227 220/400	QE20792-227 220/400	QE20791-477 470/400
*IC100	(C-D.4)	STR-W6765N	STR-W6765N	STR-X6768N
*R106	(B.4)	150K 2W	150K 2W	82K 2W
*R108	(C.5)	0.39 1W	0.39 1W	0.27 1W
*R109	(D.5)	0.47 1W	0.47 1W	0.22 1W
*R113	(C.6)			5.6K 1/4W
*D107	(D.6)			1S8133-T2
*C101	(B.3)	QFZ9073-154 0.15/AC275V	QFZ9073-154 0.15/AC275V	QFZ9085-684 0.33/AC275V
*C104	(B.4)	QFZ9073-154 0.15/AC275V	QFZ9073-154 0.15/AC275V	NI

NOTES:
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
 CONDITION — POWER-ON. NO SIGNAL. USB STOP.
 2. UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHMS. 1/16W, 5%.
 ALL INDUCTANCE VALUES ARE IN H.u IS uH.
 ALL CAPACITANCE VALUES ARE IN F.u P IS pF.
 3. "NI" MARKING PART IS NOT USED.

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

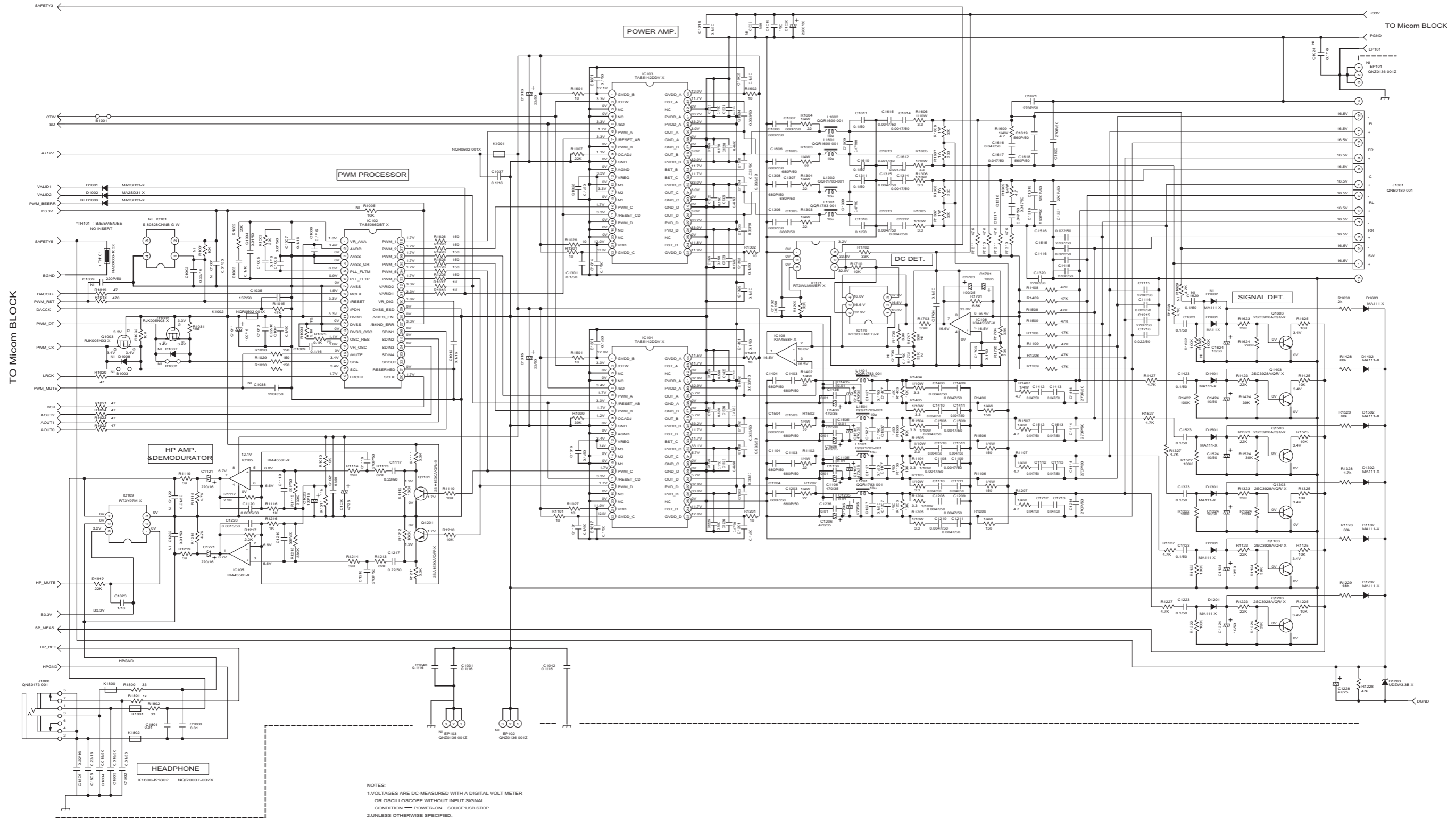
System control section



NOTES:
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
 OR OSCILLOSCOPE WITHOUT INPUT SIGNAL
 CONDITION: — POWER-ON, SOURCE/USB STOP
 2. UNLESS OTHERWISE SPECIFIED:
 ALL RESISTANCE VALUES ARE IN OHMS, 1/16W
 ALL INDUCTANCE VALUES ARE IN H
 ALL CAPACITANCE VALUES ARE IN Pk P IS pF.
 3. "NF" MARKING IS PART NOT USED.

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

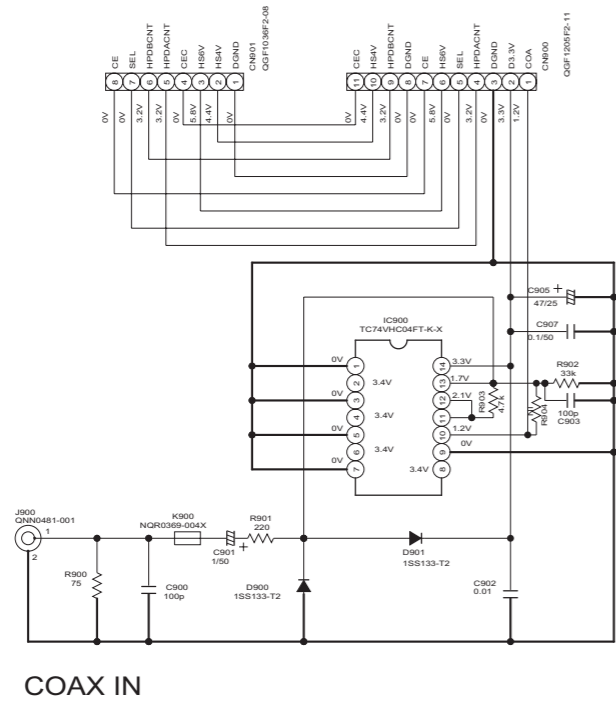
Digital amp section



NOTES:
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
 CONDITION — POWER-ON. SOURCE: USB STOP
 2. UNLESS OTHERWISE SPECIFIED,
 ALL RESISTANCE VALUES ARE IN OHMS. 1/16W
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN P. P IS pF.
 3. "N" MARKING IS PART NOT USED.

■ FL board and Coaxial board section

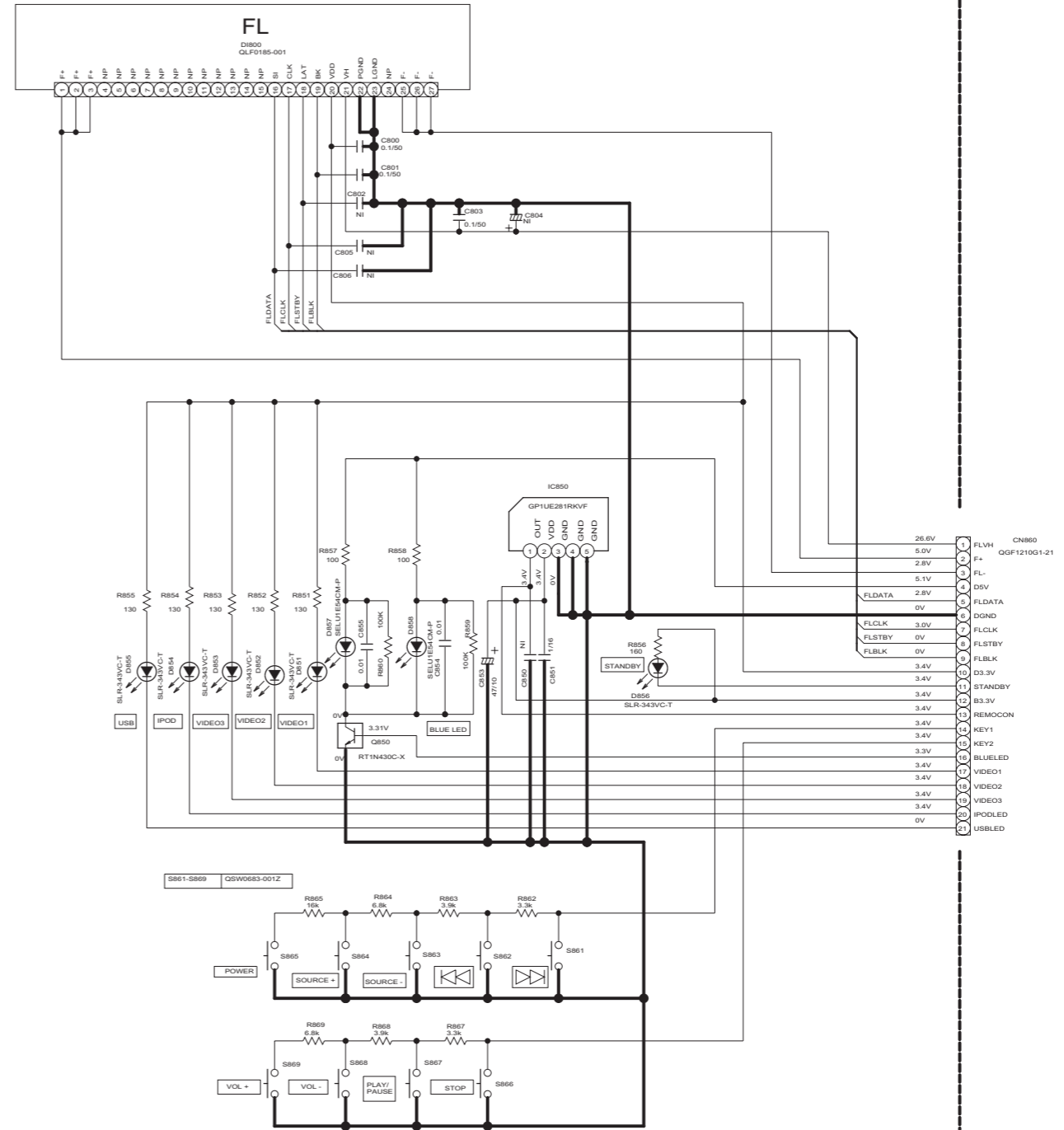
GVA10147-A3



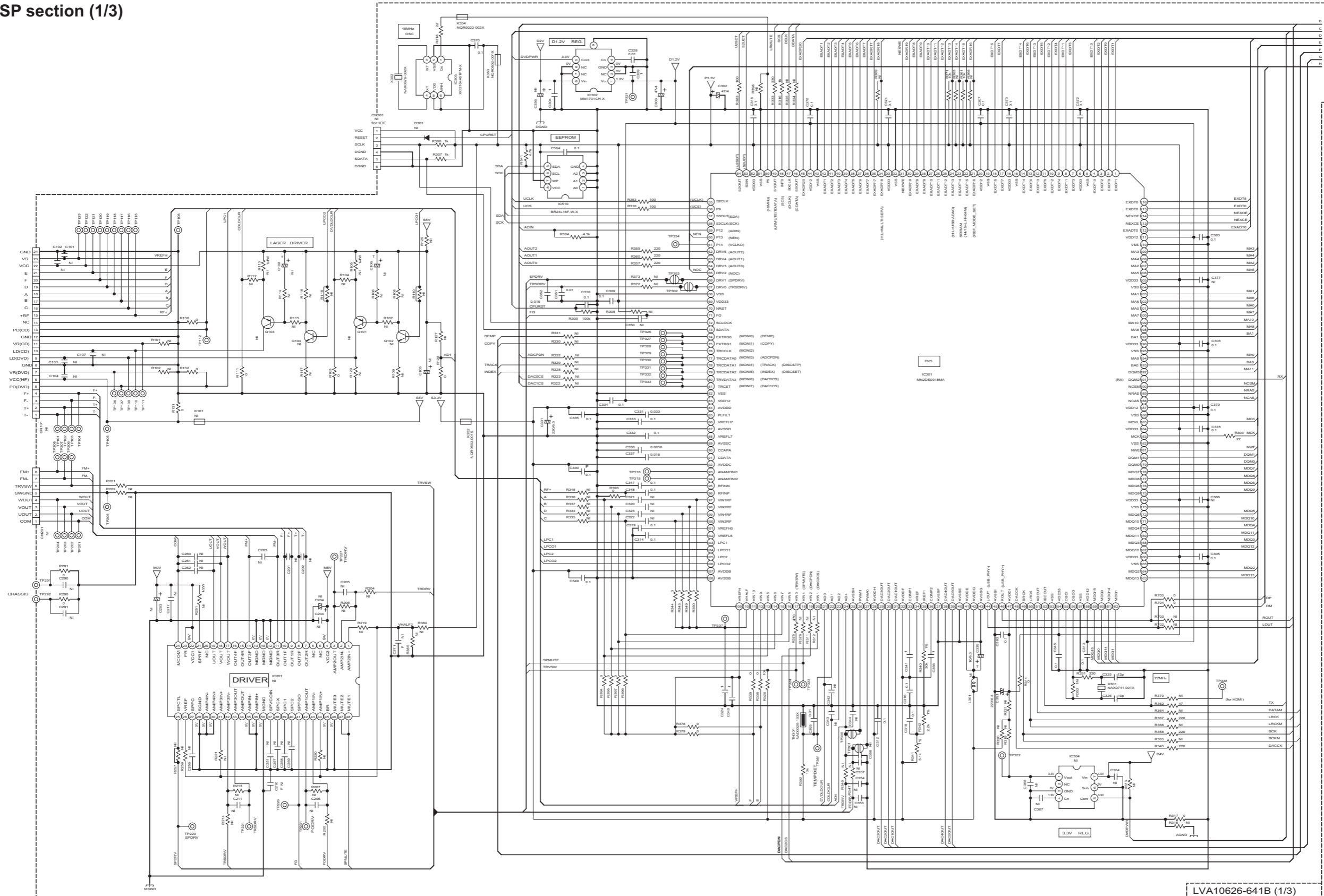
COAX IN

NOTES:
 1.VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
 CONDITION — POWER-ON. SOURCE:USB STOP.
 2.UNLESS OTHERWISE SPECIFIED,
 ALL RESISTANCE VALUES ARE IN OHMS.
 ALL INDUCTANCE VALUES ARE IN H.
 ALL CAPACITANCE VALUES ARE IN F. P IS pF.
 3. "N" MARKING PART IS NOT USED.

GVA10147-A2



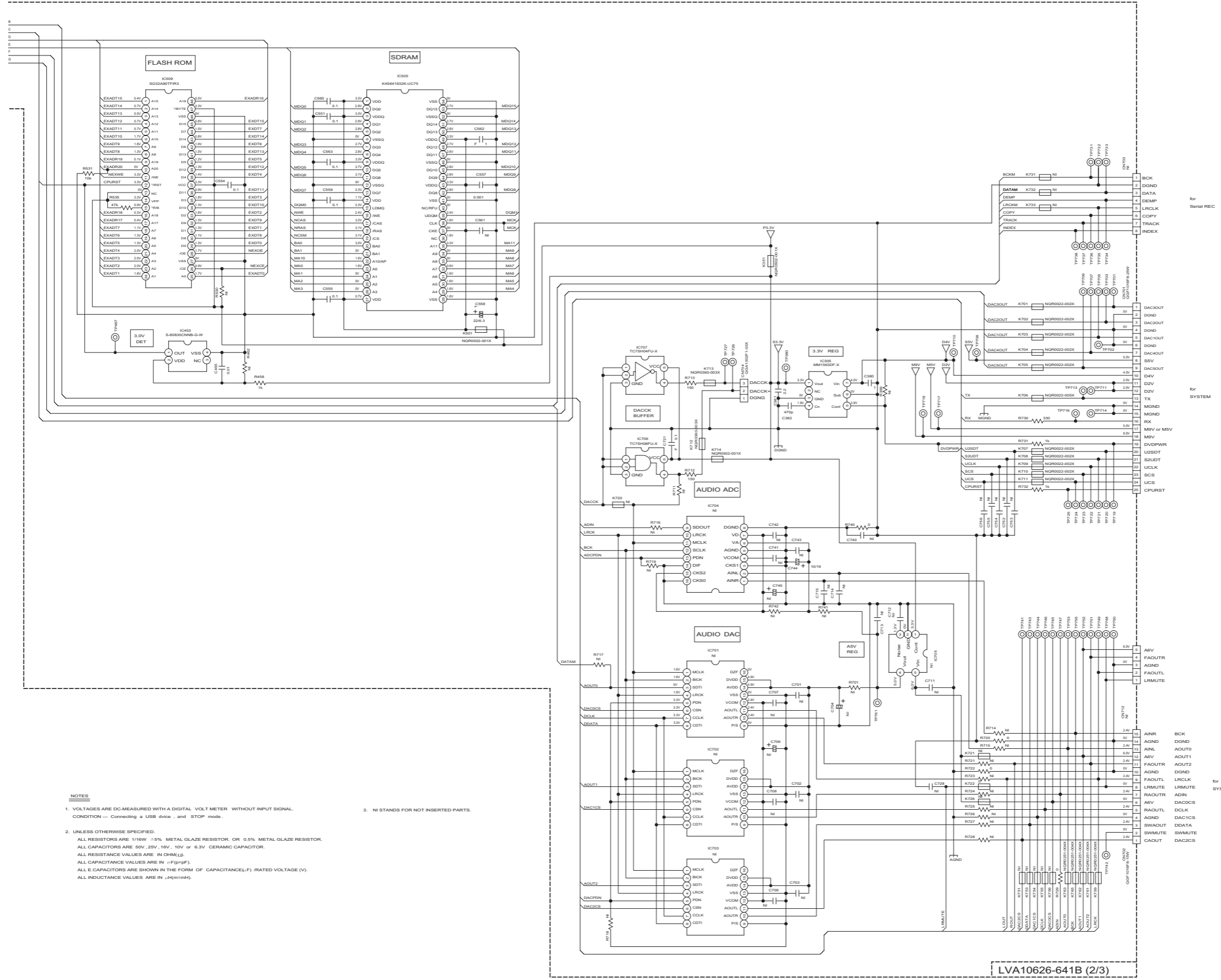
■ DSP section (1/3)



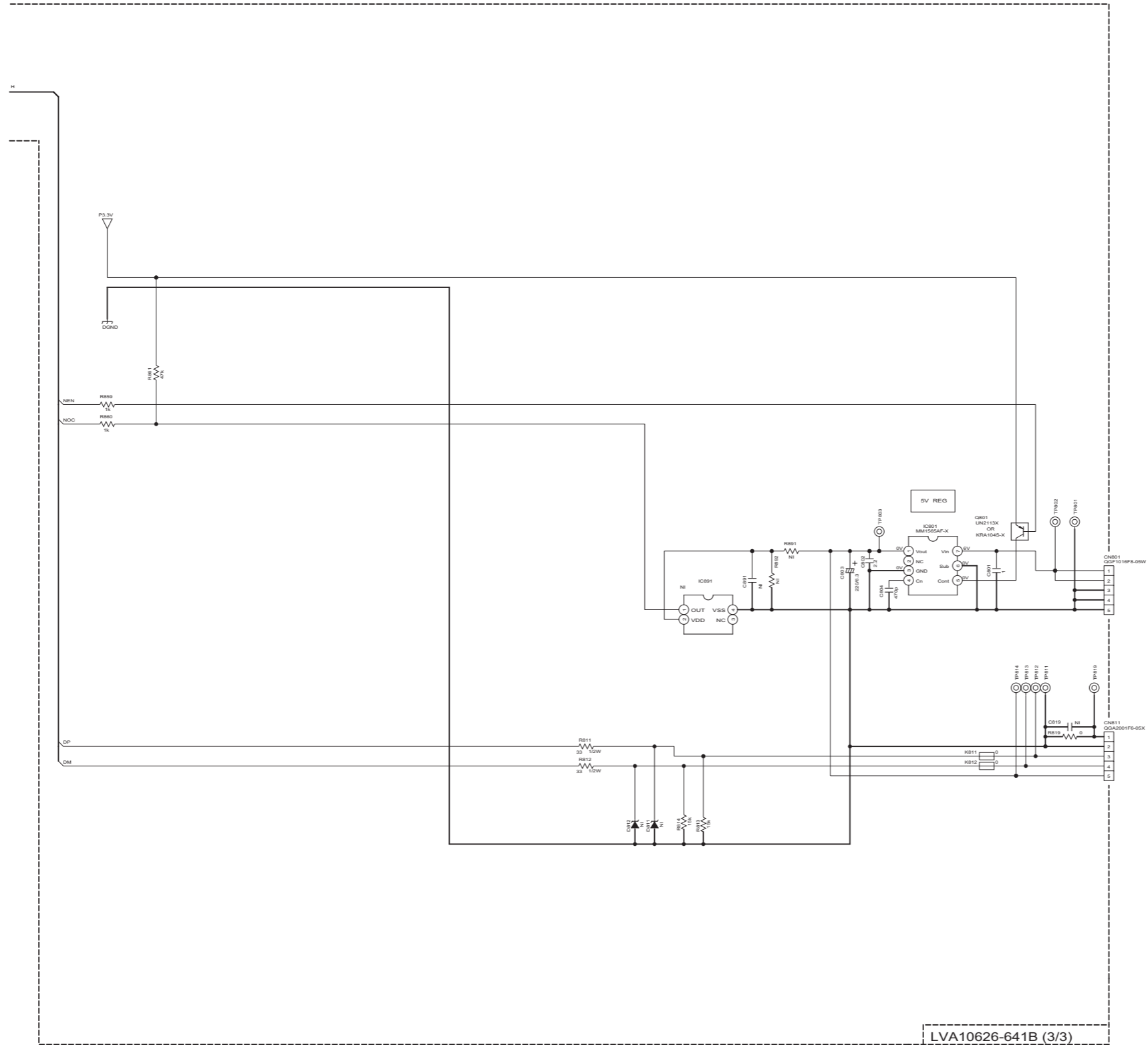
LVA10626-641B (1/3)

- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION --- Connecting a USB device, and STOP mode.
 - UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR, OR 0.5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V, 25V, 16V, 10V, OR 6.3V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(S).
ALL CAPACITANCE VALUES ARE IN pF(μF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(F)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN nH(μH/mH).
 - NI STANDS FOR NOT INSERTED PARTS.



■ DSP section (2/3)



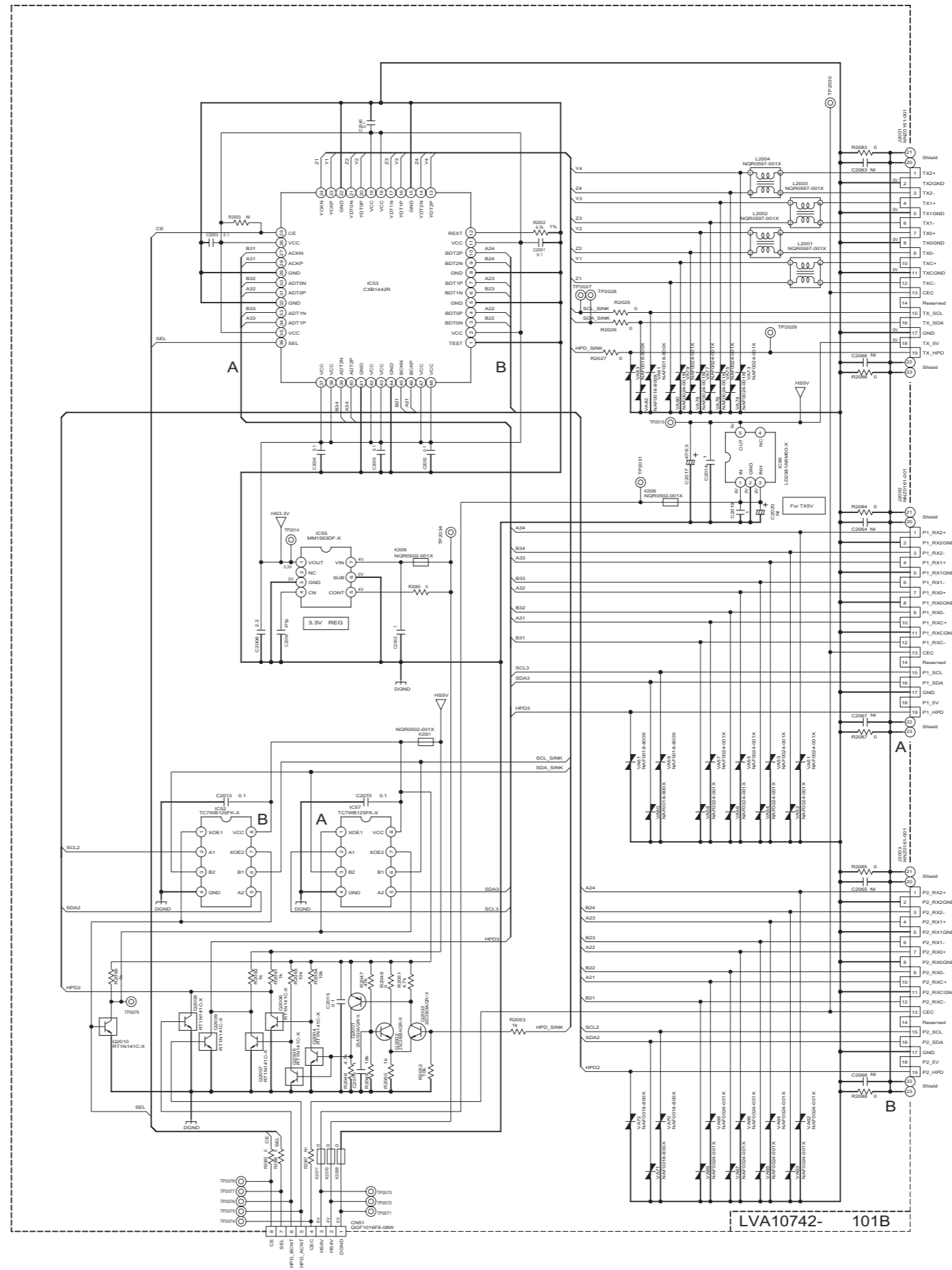
■ DSP section (3/3)



NOTES


1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- Connecting a USB device, and STOP mode.
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/4W ±5% METAL GLAZE RESISTOR, OR 0.0% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN pF(pF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(mmh).
3. NI STANDS FOR NOT INSERTED PARTS.
4. DIGITAL TRANSISTOR
UN2113-X =  = 

■ HDMI section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED:
 ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR OR 0.5% METAL GLAZE RESISTOR.
 ALL CAPACITORS ARE 50V, 22V, 16V, 10V or 6.3V CERAMIC CAPACITOR.
 ALL RESISTANCE VALUES ARE IN OHM(Ω).
 ALL CAPACITANCE VALUES ARE IN pF(priF).
 ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
 ALL INDUCTANCE VALUES ARE IN μH(mmH).

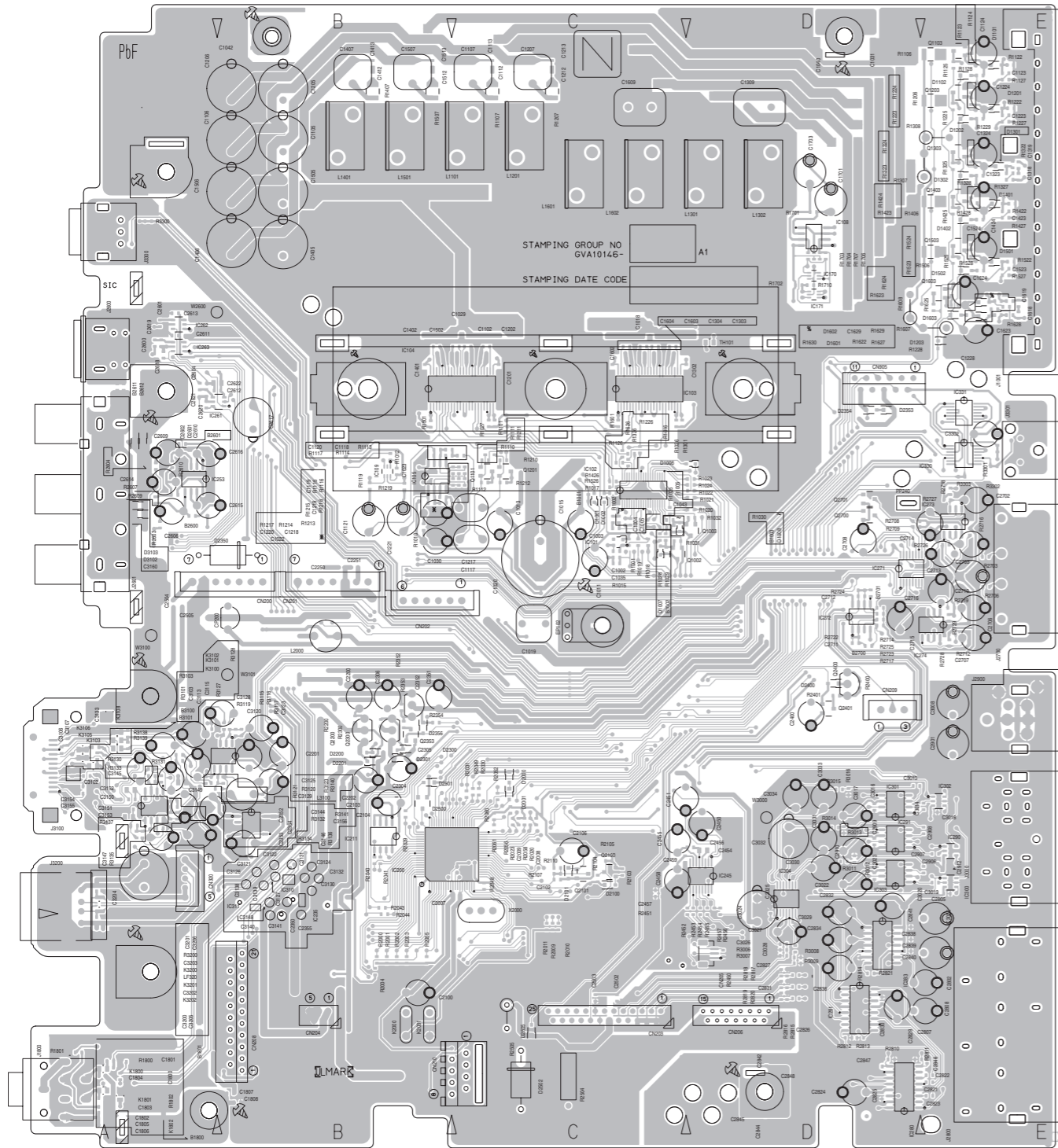
3. NI STANDS FOR NOT INSERTED PARTS.
4. DIGITAL TRANSISTOR


■ Main board

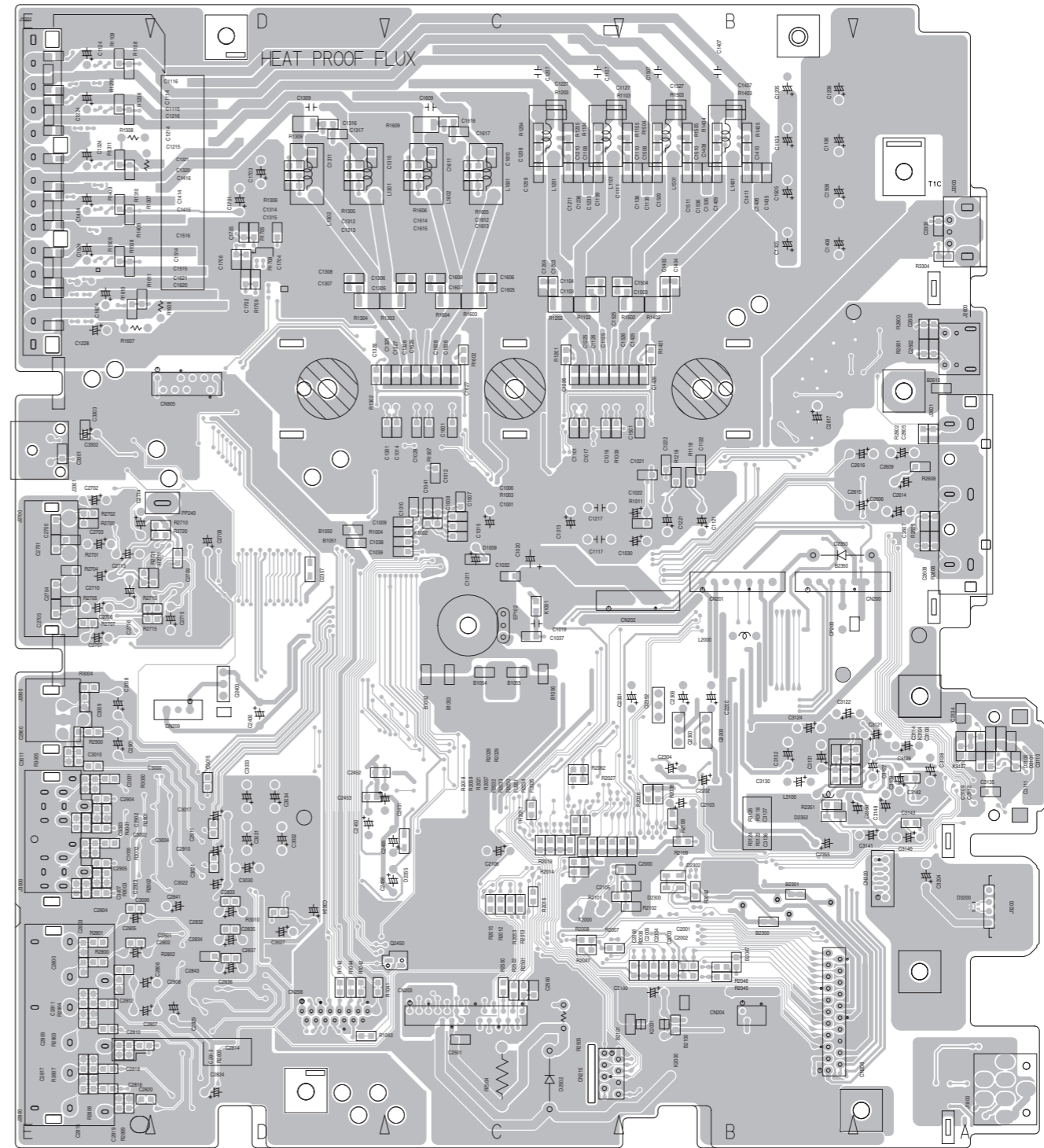
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



reverse side

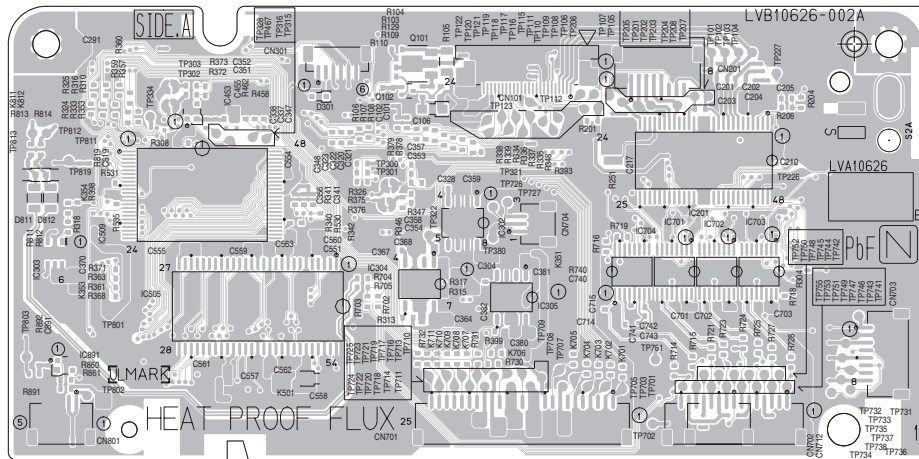


■ DSP board

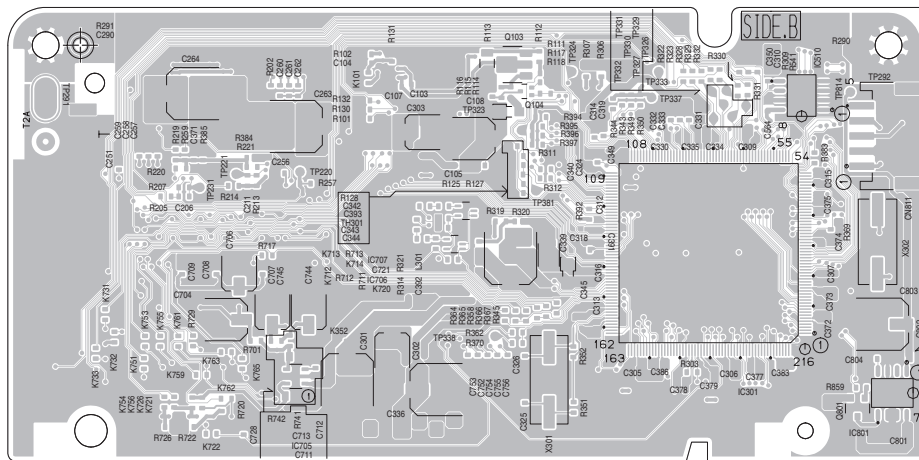
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



reverse side

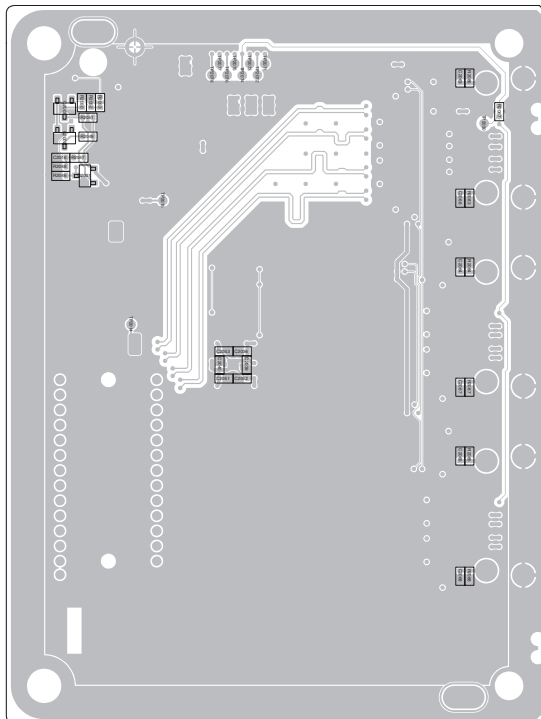


■ HDMI board

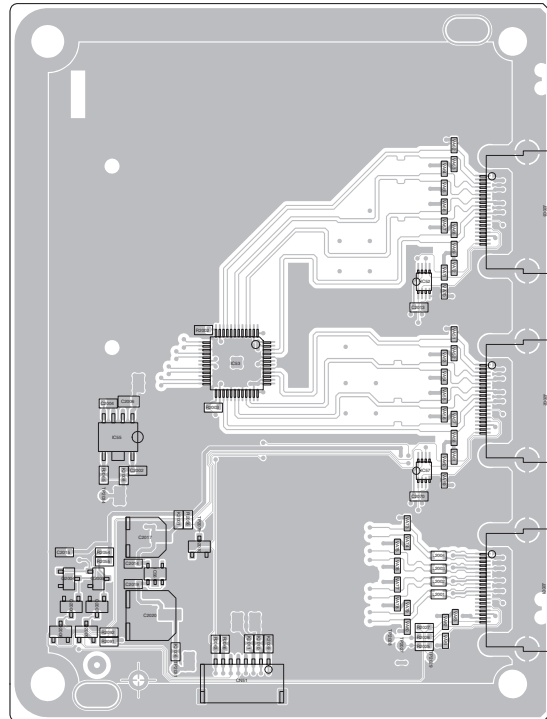
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)

forward side



reverse side



JVC

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