

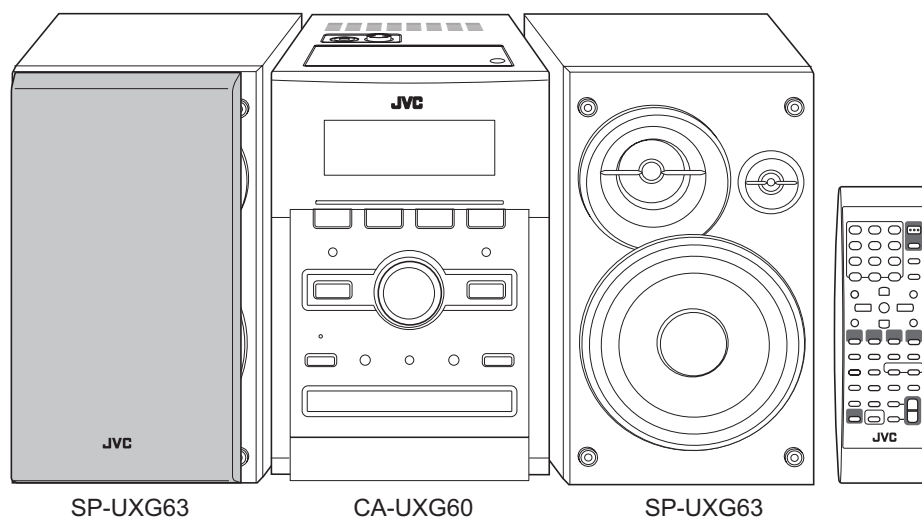
JVC

SCHEMATIC DIAGRAMS

MICRO COMPONENT SYSTEM

UX-G60A, UX-G60US, UX-G60UB, UX-G60UW UX-G60UX, UX-G60UG, UX-G60UN

CD-ROM No.SML200606



MPEG-4
ASF PLAYBACK

Digital Direct Progressive Scan

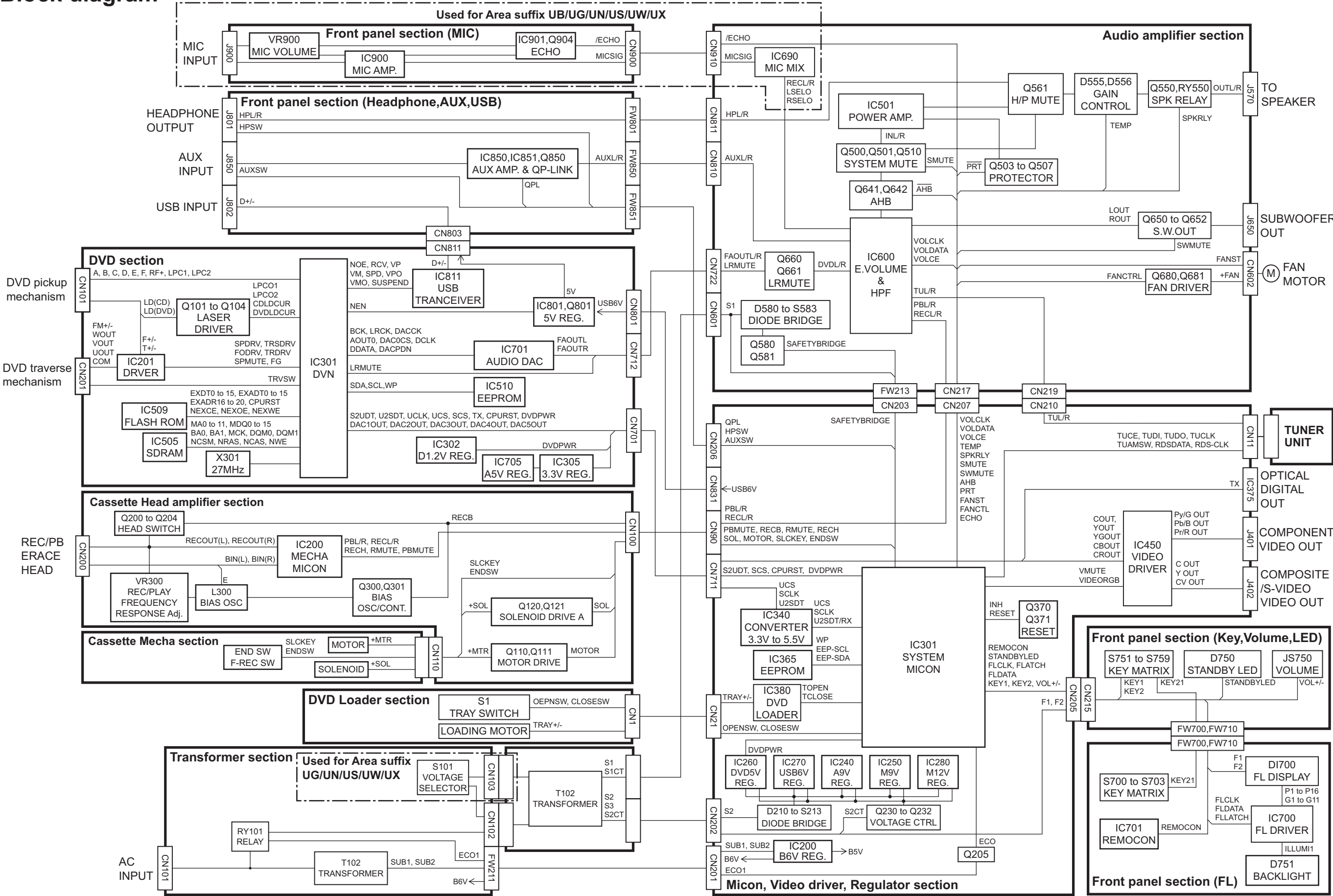
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

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

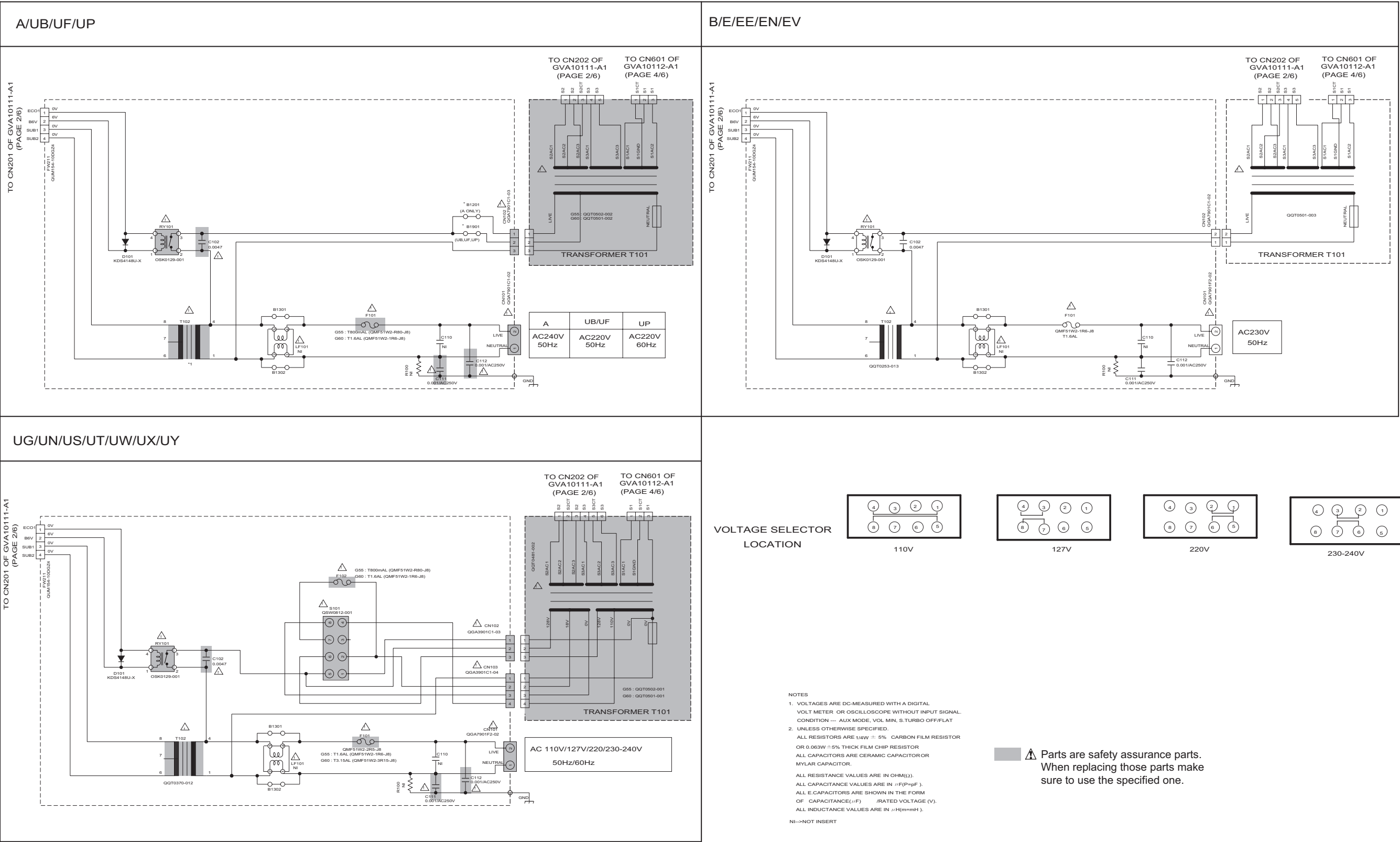
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▬) and ICP (●) or identified by the "A" mark nearby are critical for safety.

Block diagram

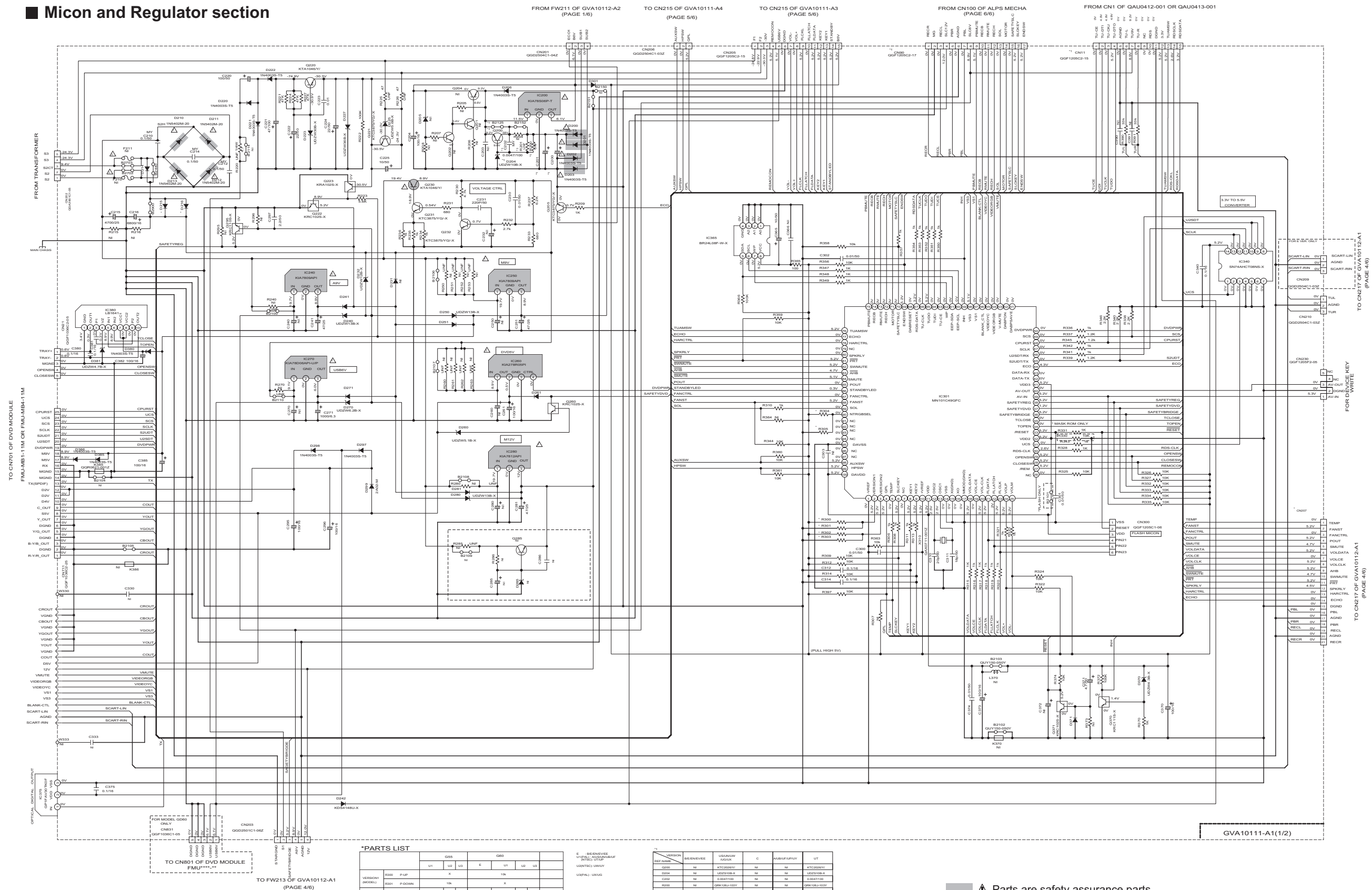


Standard schematic diagrams

Transformer section

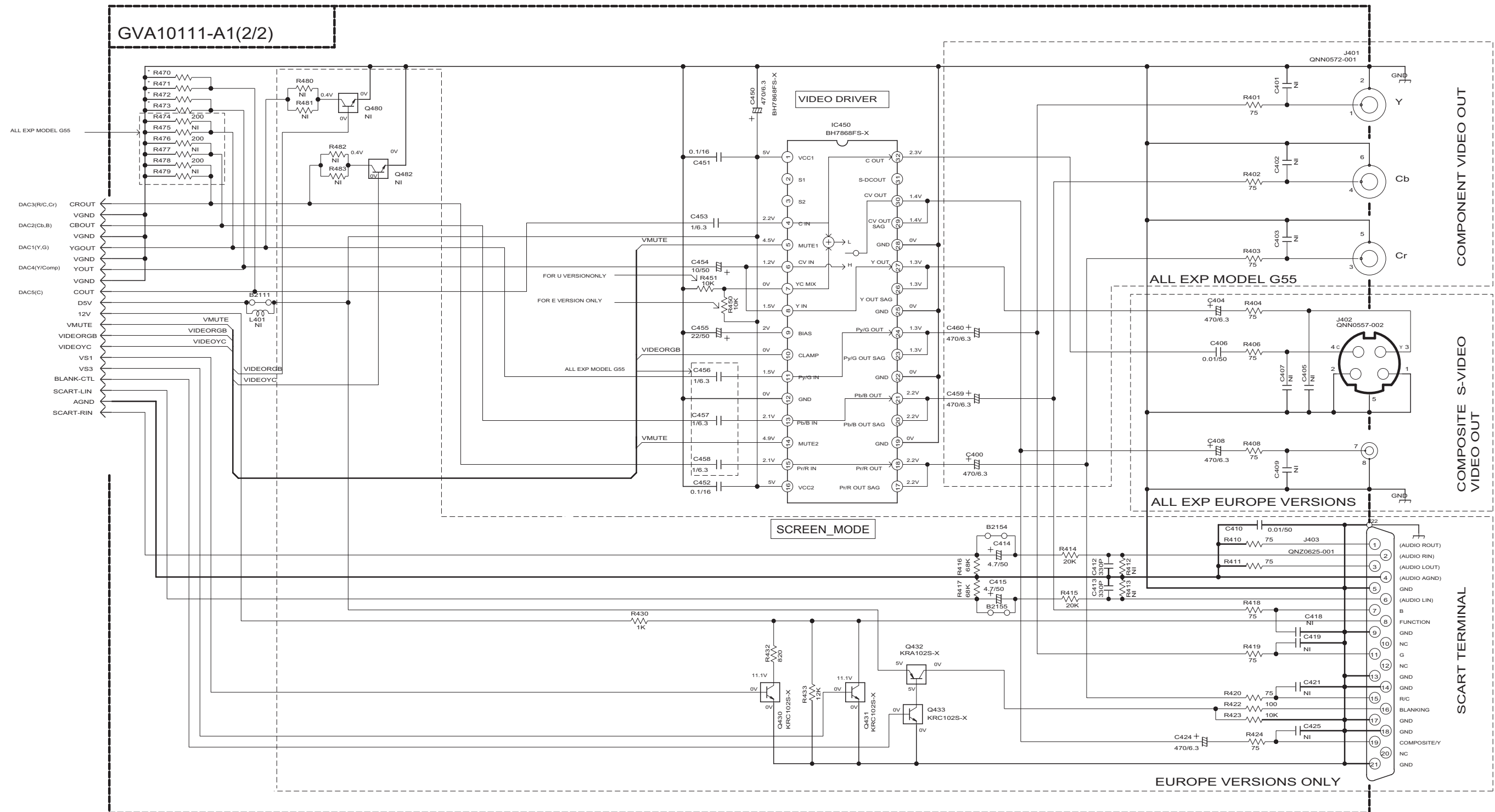


■ Micon and Regulator section



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

■ Video driver and outputv section



VERSION REF.NAME	UX-G55	UX-G60
R470	270	200
R471	750	NI
R472	270	200
R473	750	NI

DIGITAL TRANSISTOR			
	KRC102S-X	Rb	Rbe
		10K	10K
	KRA102S-X	10K	10K
	KRC111S-X	10K	NIL

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE
2. UNLESS OTHERWISE SPECIFIED.
 - ALL RESISTORS ARE 1/4W $\pm 5\%$ CARBON FILM RESISTOR OR 0.063W $\pm 5\%$ THICK FILM CHIP RESISTOR
 - ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

NI-->NOT INSERT

ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN μ F($P=p$ F).
ALL E.CAPACITORS ARE SHOWN IN THE FORM
OF CAPACITANCE(μ F)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μ H($m=m$ H).
ALL FERRITE BEADS ARE QQR0621-001Z
ALL DIODES ARE MA111-X

Audio amplifier section

REF. NO	B/E/E/E/ENE/V UP	OTHERS
C571	0.003350	NI
C572		
C577	0.003350	0.00150
C578		
C573		
C574	0.04750	NI
C575		
C576		
R571	4.7 (UNF)	NI
R572		

REF. NO	WITH TAPE & MIC	WITH TAPE ONLY	WITHOUT TAPE (ver.)
B6000	NI	NRS4633-GRX	NRS4633-GRX
B6001	NI	NRS4633-GRX	NRS4633-GRX
C606	10/35	NI	NI
C616	10/35	NI	NI
C607	10/35	10/35	NI
C617	10/35	10/35	NI
B6120	QUY150-050V	NI	NI
B6121	QUY150-050V	NI	NI
C6610	INSERT	NI	NI

REF. NO	UK-G60 (ver.)	UK-G60 (ver.)	UK-G55
C621			
C622	0.27uF	0.33uF	0.18uF
C631			
C632			
R621	7.5K	3.9K	7.5K
R631			
R642	15K	27K	22K
R643			
C640	150	4.750	150
R644	3.3K	3K	4.7K
C642	0.15/10	0.15/10	0.15/10
R648	100K	22K	100K
R649	330K	100K	330K
C649	150	150	0.68/50
C628	0.002750	0.001250	0.002250
C638			
R611	7.5K	7.5K	6.8K
R630			
C509	47/35	47/83	47/83
C522			
C585	3300/50	4700/50 (50)	2200/35
C586			

REF. NO	UK-G55 (ALL ver.)	UK-G60 (ALL ver.)
R500	6.2K	3.3K
R501	6.2K	3.3K
R532	10K	NI
R533	10K	NI
R555	39K	24K
R556	39K	24K

DIGITAL TRANSISTOR CONSTRUCTION

	R1	R2	KRC1115-X
	10K	-	
	R1	R2	KRA1095-X
	10K	10K	
	R1	R2	KRC1025-X
	47K	22K	
	R1	R2	KRA102M-T
	10K	10K	
	R1	R2	KRC102M-T
	10K	10K	

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- AUX MODE, VOL MIN, S, TURBO OFF/FLAT.

2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE 1/10W ± 5% METAL GLAZE RESISTOR.

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR (INDICATED "MY").

ALL RESISTANCE VALUES ARE IN OHM (Ω).

ALL CAPACITANCE VALUES ARE IN μF (μF).

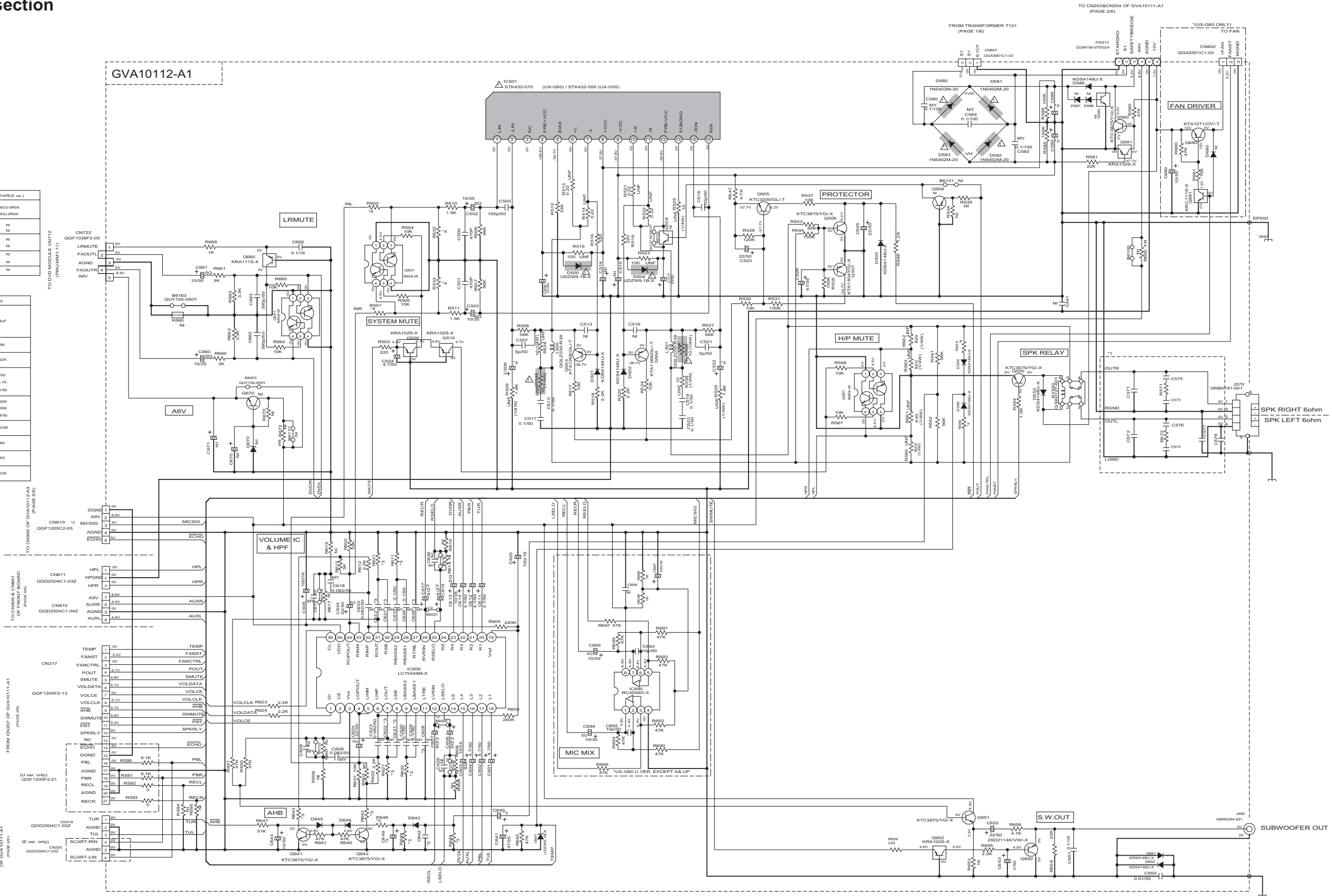
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) / RATED VOLTAGE (V).

E-CAPACITORS INDICATED WITH "50" ARE SOUND QUALITY TYPE.

ALL INDUCTANCE VALUES ARE IN μH (μH).

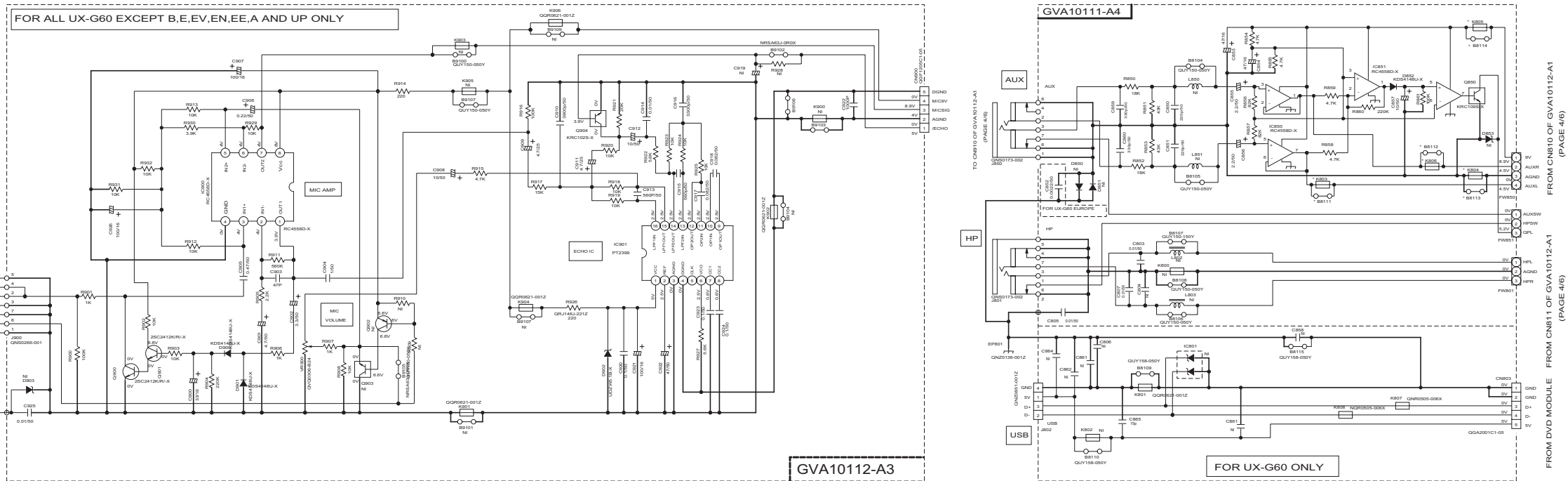
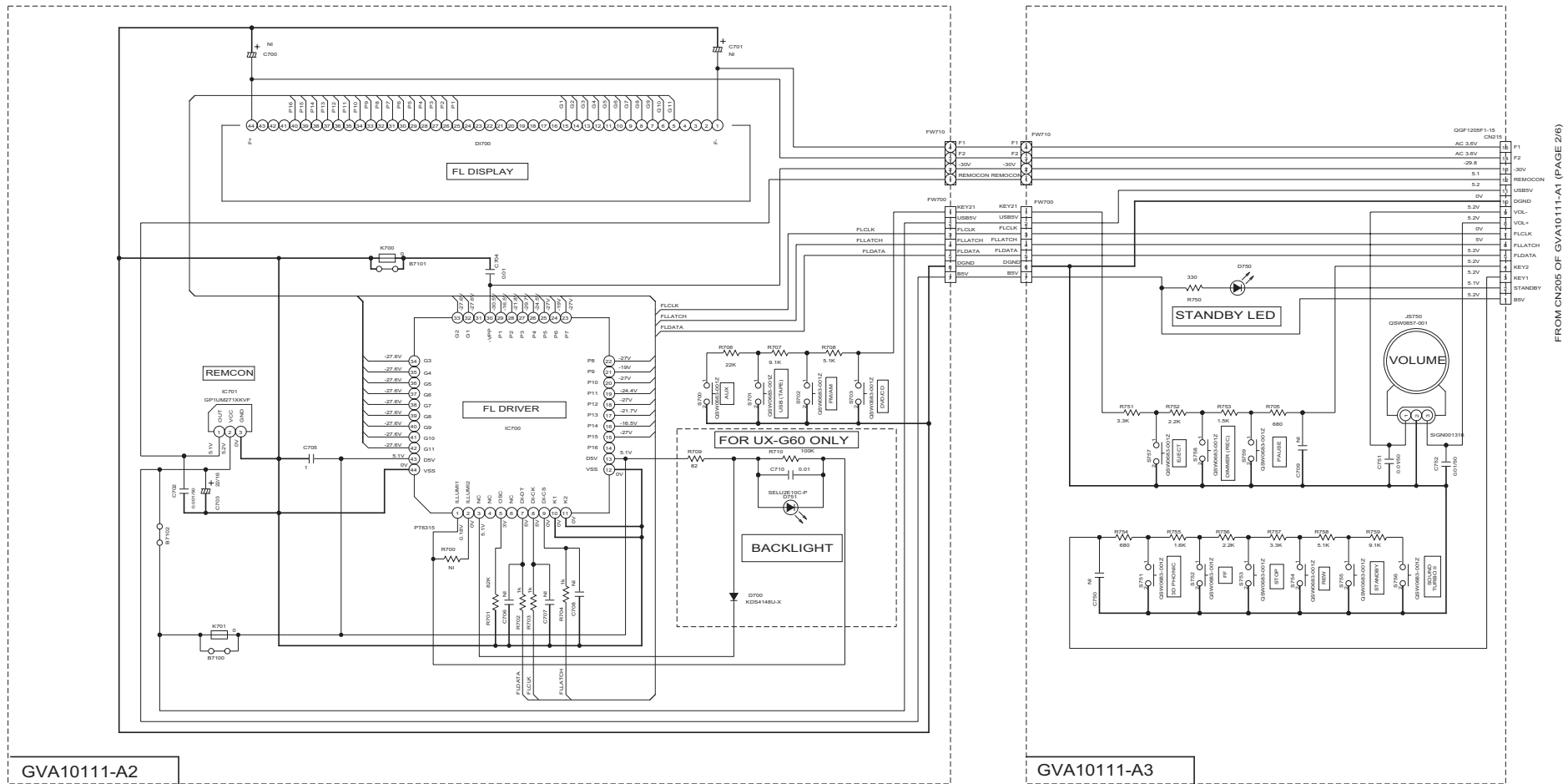
ALL DIODES ARE KDS4148U-X UNLESS SPECIFIED.

GVA10112-A1



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

■ Front panel section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — DVD STOP MODE.

2. UNLESS OTHERWISE SPECIFIED:

ALL RESISTORS ARE 1/4W ±5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

NI—NOT INSERT

ALL RESISTANCE VALUES ARE IN OHMS(Ω).

ALL CAPACITANCE VALUES ARE IN pF(pF) or μF(μF).

ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) / RATED VOLTAGE(V).

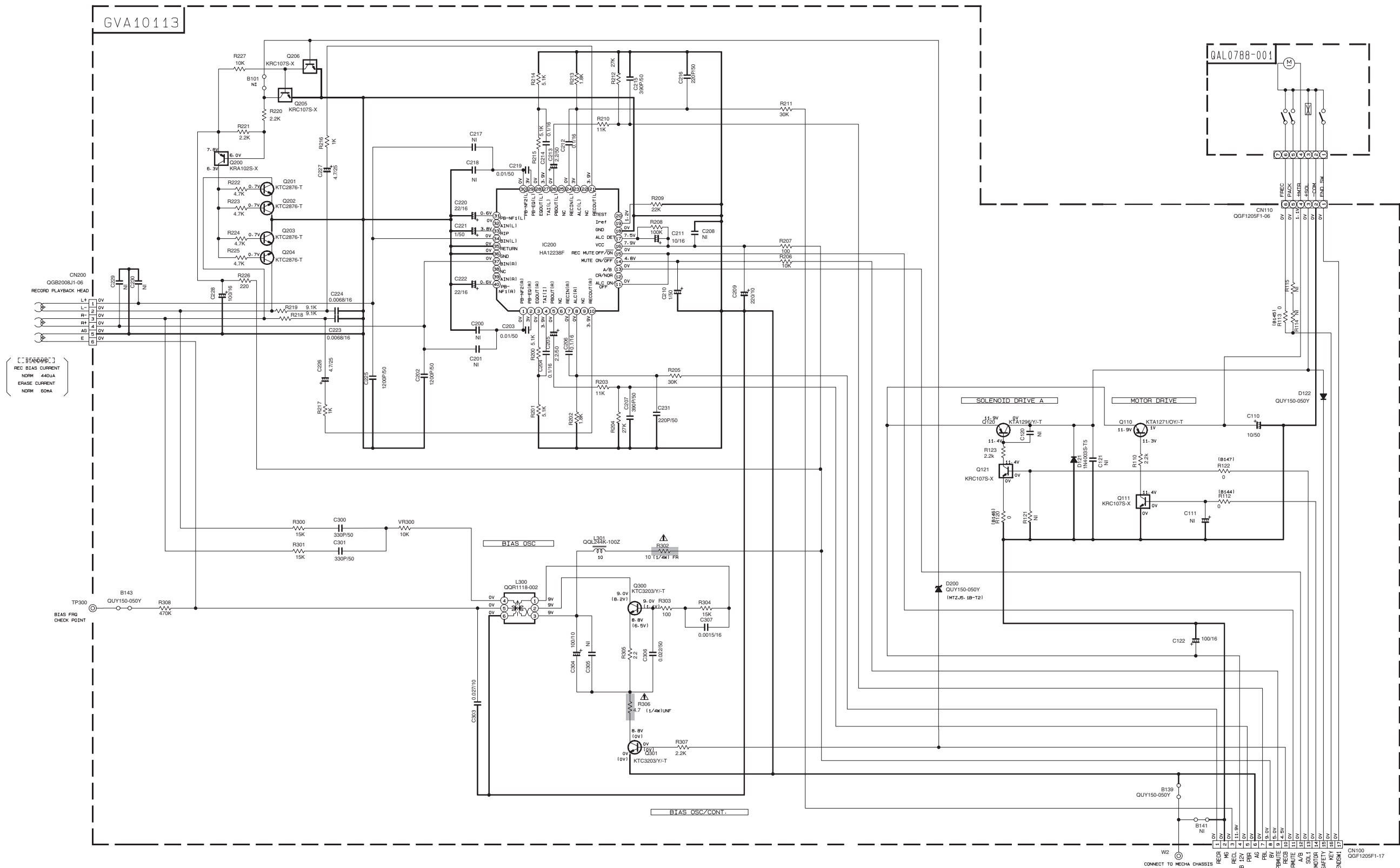
ALL INDUCTIVE VALUES ARE IN μH(μH) or mH(mH).

ALL FERRITE BEADS ARE GQR0621-001Z

ALL DIODES ARE MA111-X

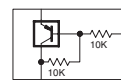
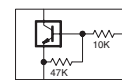
REF. NO	UX-G60E (ver.)	UX-G60U (ver.)	UX-G65
R803	QNR0205-001X	QNR0205-001X	NI
R804	NI	QNR0205-001X	NI
R805	NI	QNR0205-001X	NI
R811	NI	NI	QUY150-000Y
R812	NI	NI	QUY150-000Y
R814	QUY150-000Y	NI	QUY150-000Y

■ Cassette section



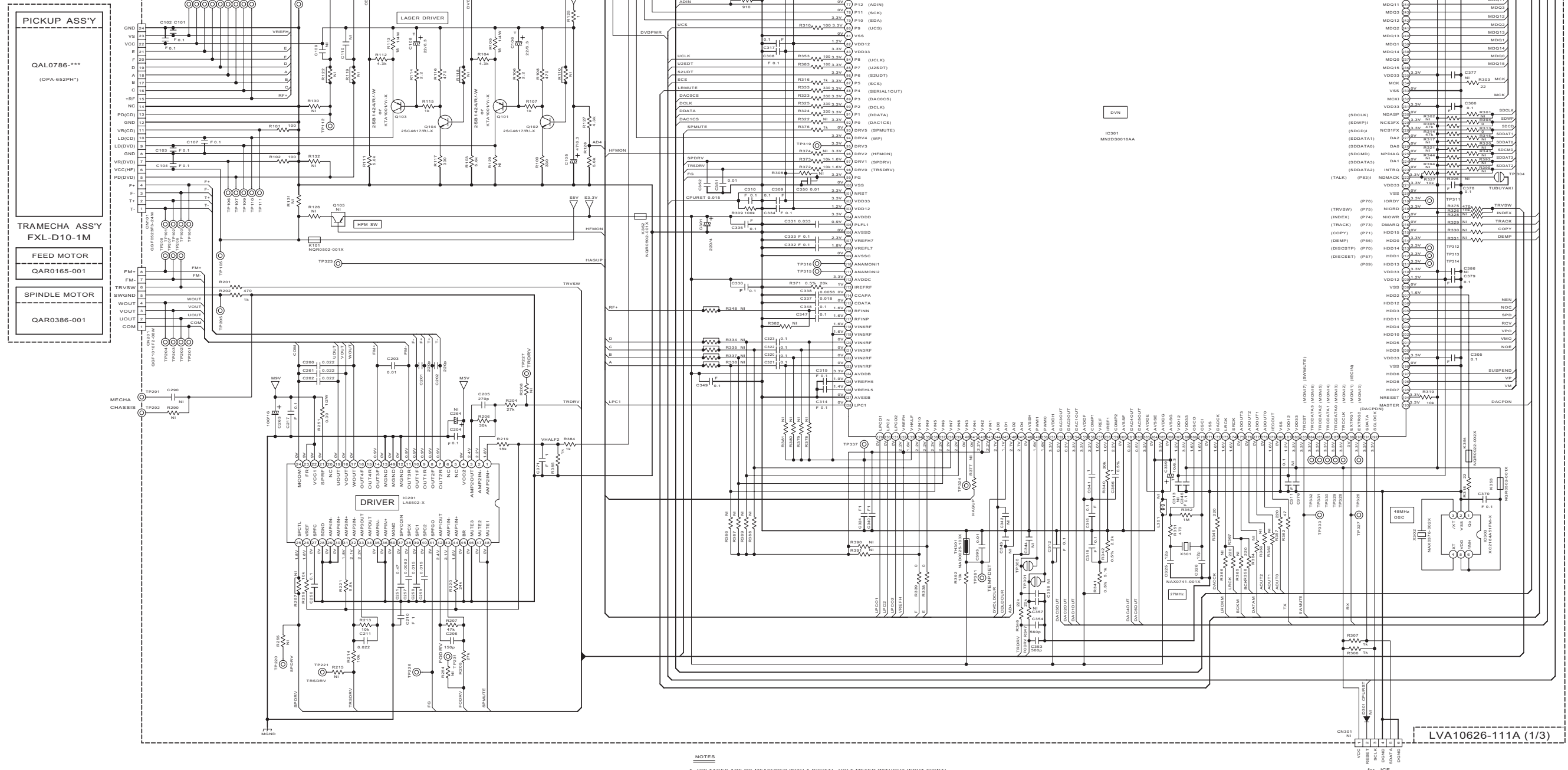
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION - MECHA STOP MODE
- UNLESS OTHERWISE SPECIFIED - RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN #F(PpF).
ALL INDUCTANCE VALUES ARE IN #H(mH).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V).
POLYPROPYLENE CAPACITOR

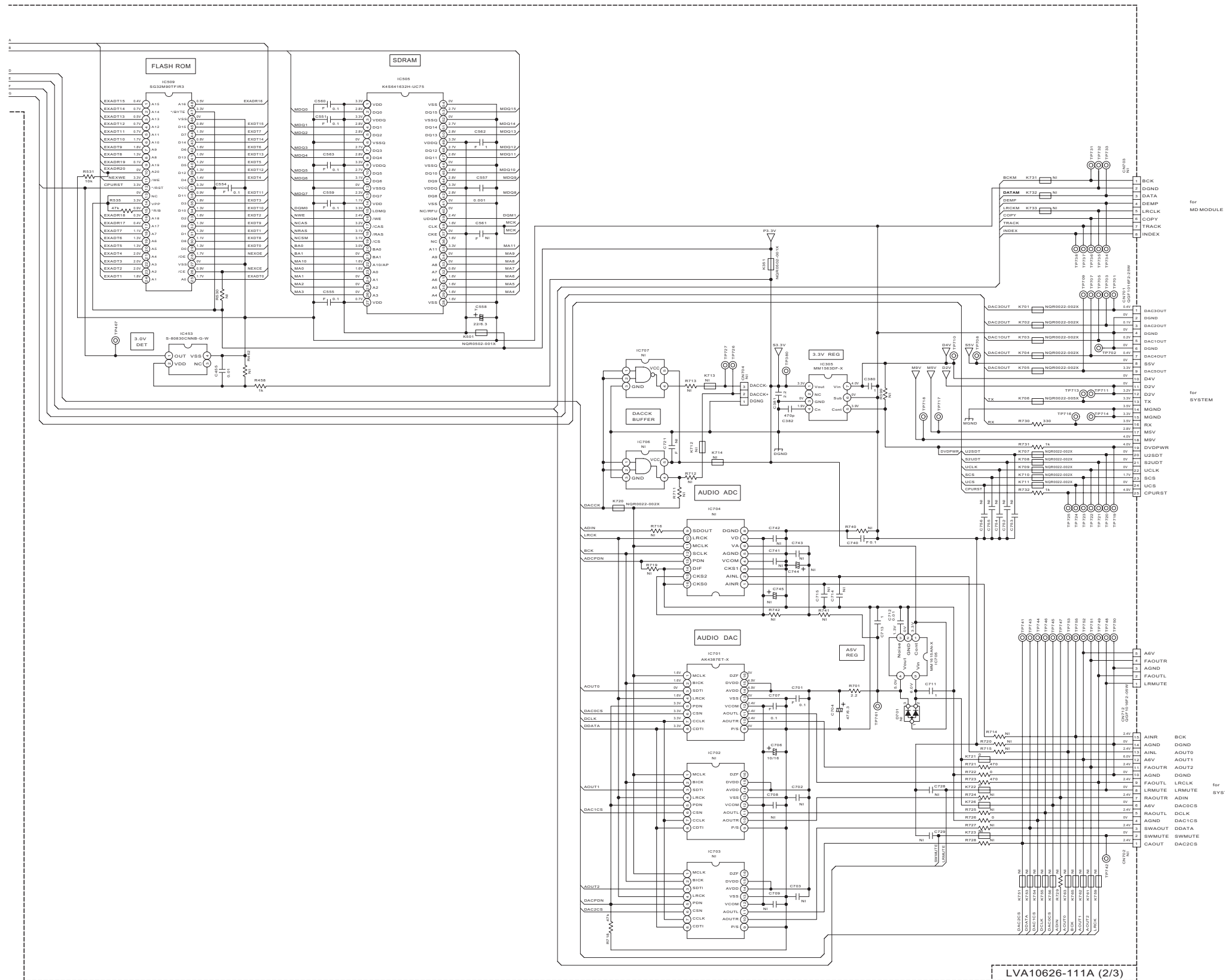


⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

■ DVD section (1/3)



■ DVD section (2/3)



NOTES

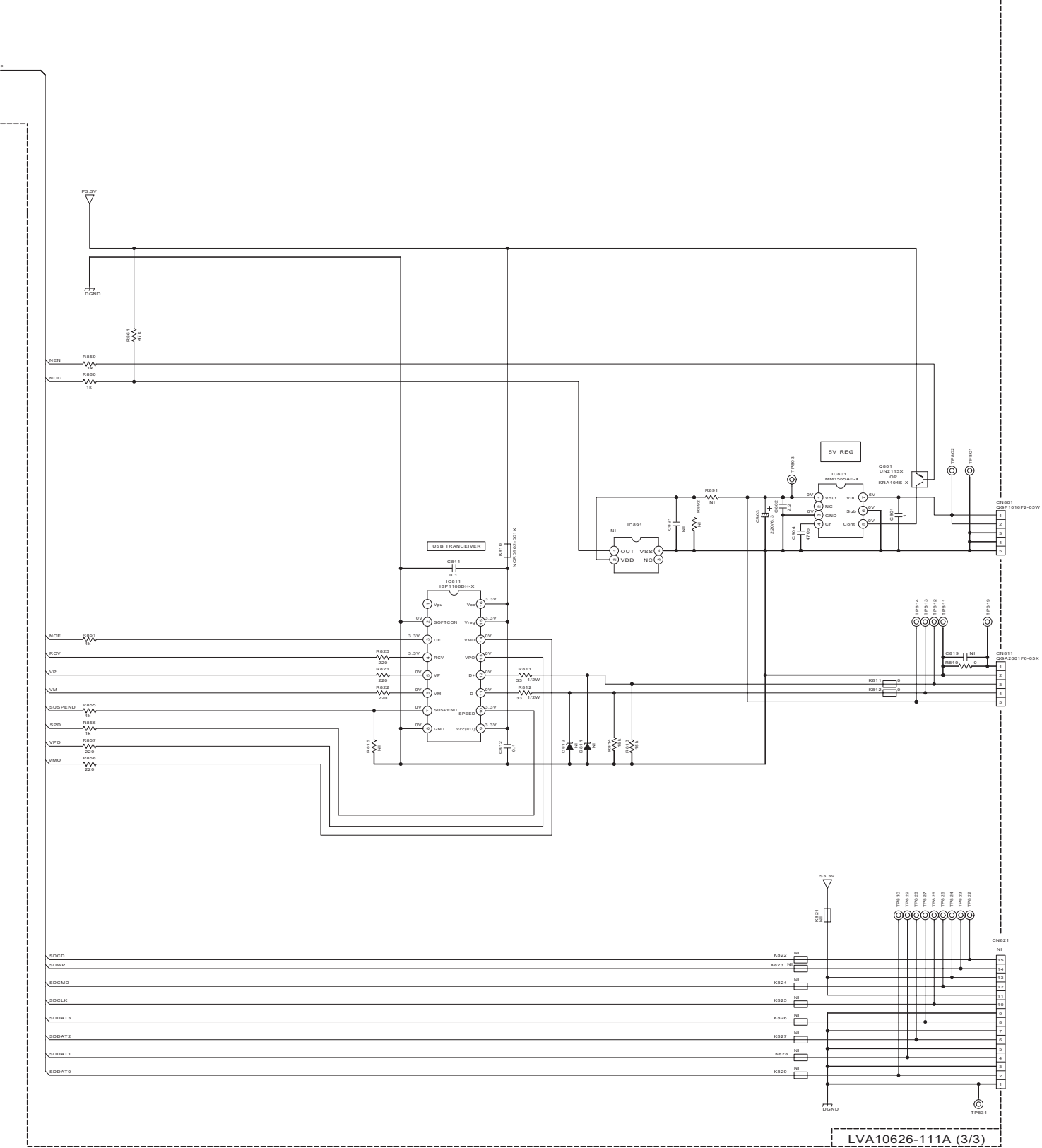
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- A DVD disc in the Tray 1, and STOP mode.

2. UNLESS OTHERWISE SPECIFIED,

- ALL RESISTORS ARE 1/16W $\pm 5\%$ 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(Ω).
- ALL CAPACITANCE VALUES ARE IN μ F(μ F).
- ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(t_r ,F)/RATED VOLTAGE (V).
- ALL INDUCTANCE VALUES ARE IN μ H(m =mH).

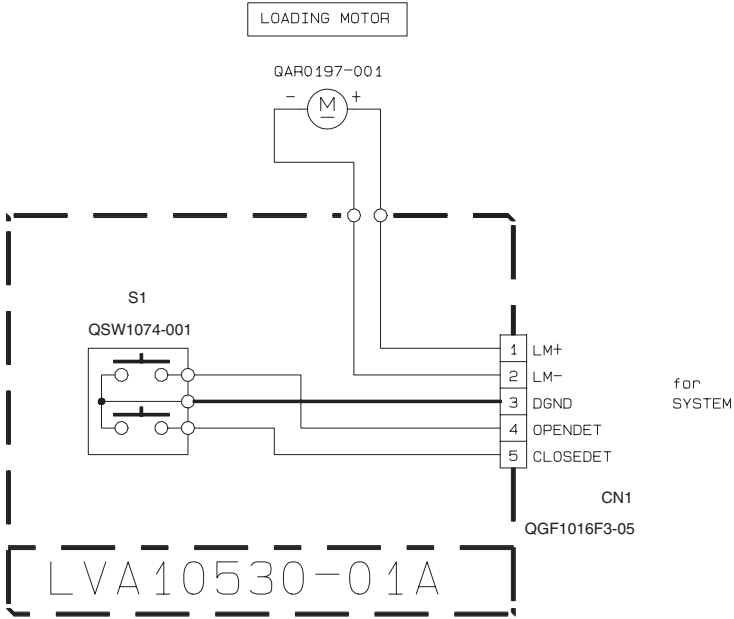
3. NI STANDS FOR NOT INSERTED PARTS.

■ DVD section (3/3)



- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- A DVD disc in the Tray 1, and STOP mode.
 2. 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(Ω).
ALL CAPACITANCE VALUES ARE IN pF(p-pF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(m-mH).
 3. NI STANDS FOR NOT INSERTED PARTS.
 4. DIGITAL TRANSISTOR

■ Loader section



■ Main board

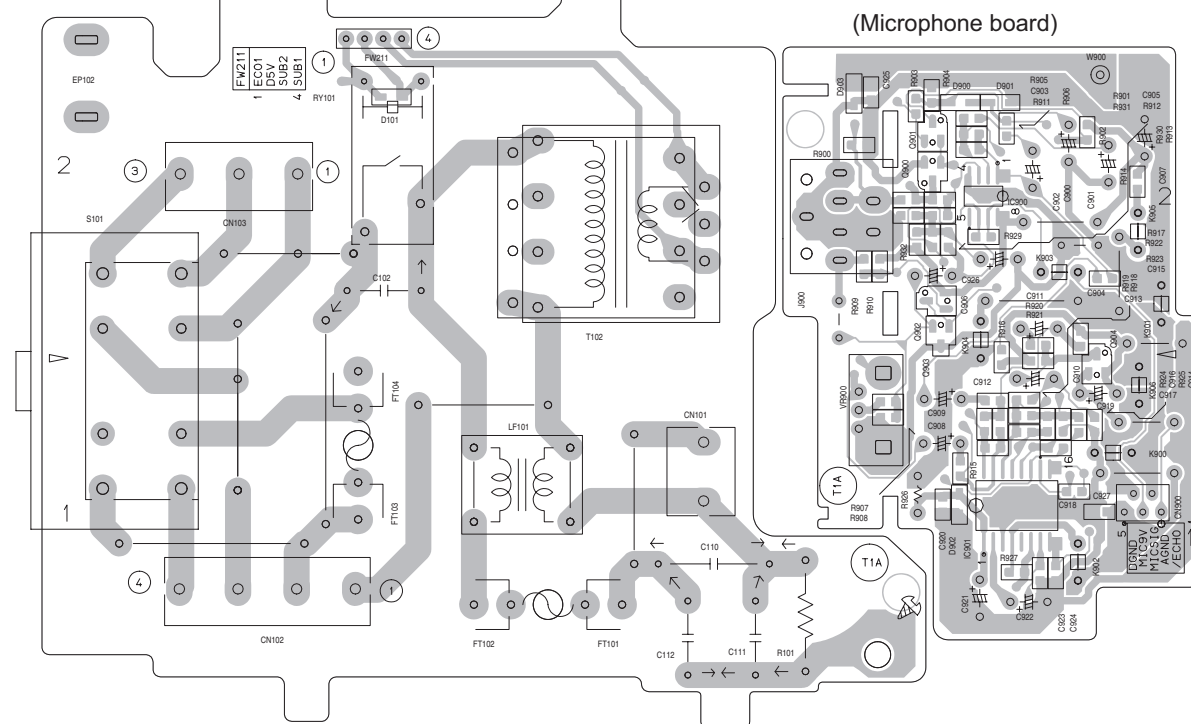
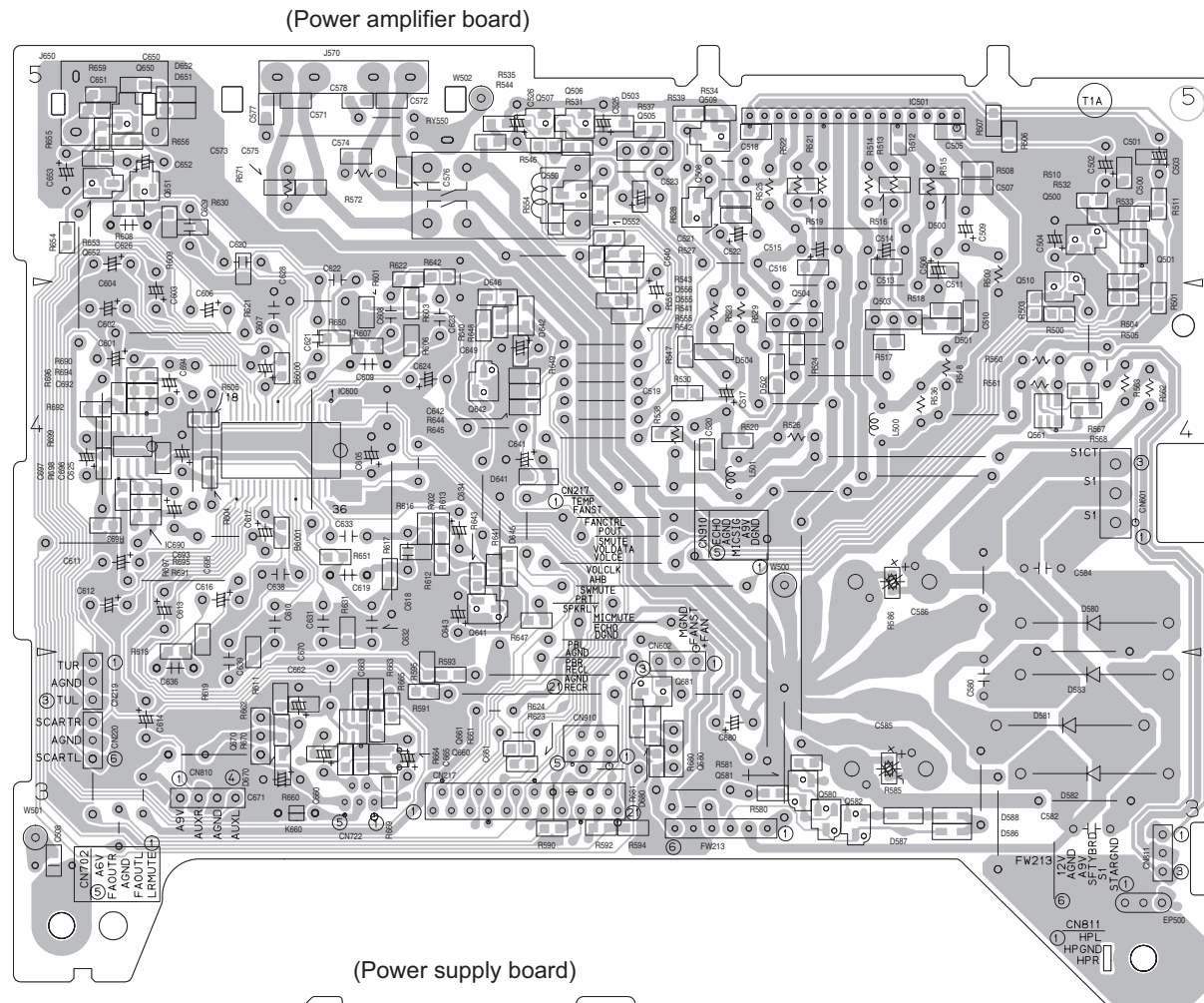
(FL board)

(Main board)

(Switch board)

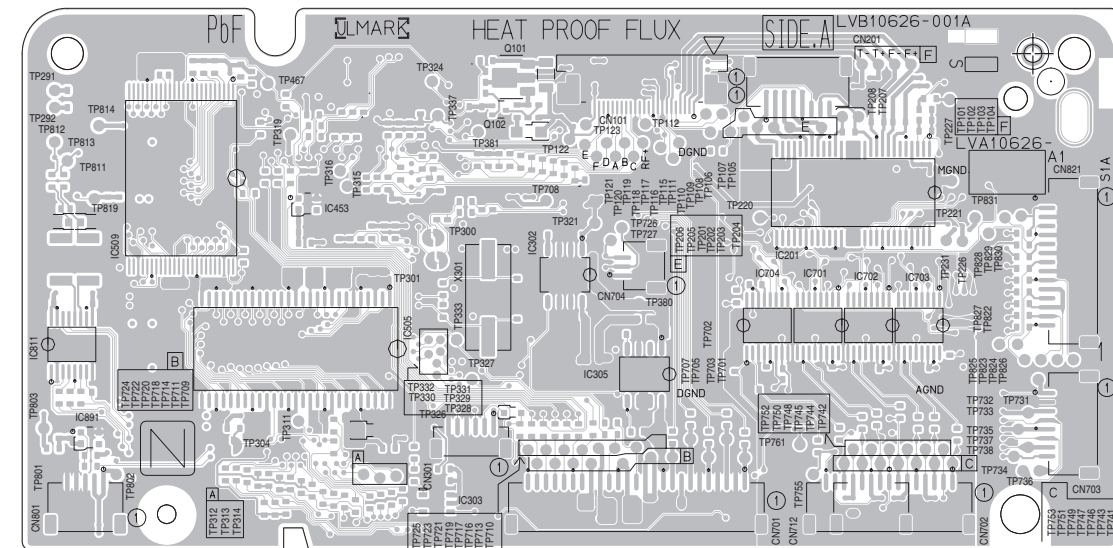
(Jack board)

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

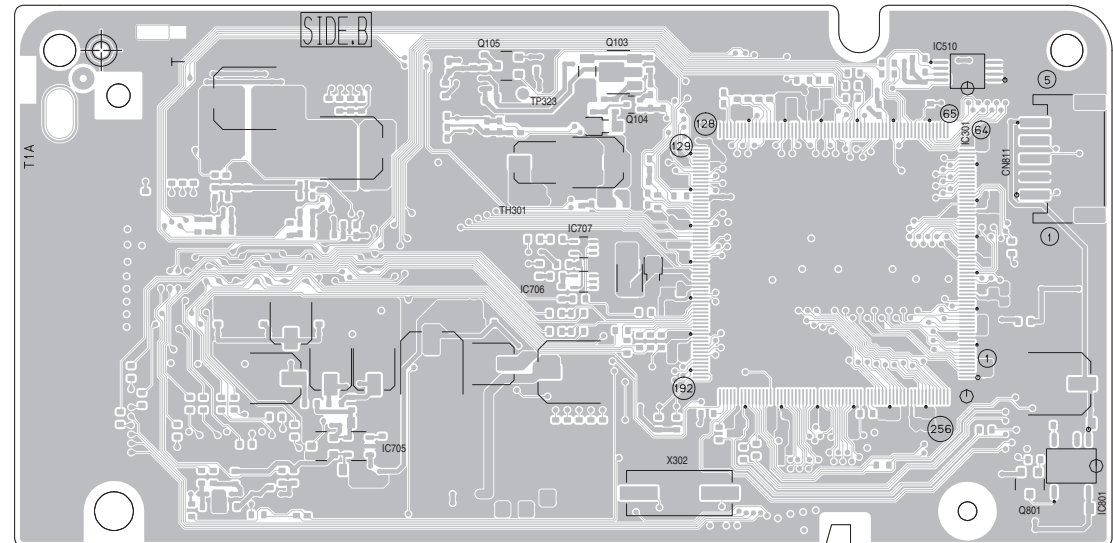


■ **DVD board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

forward side

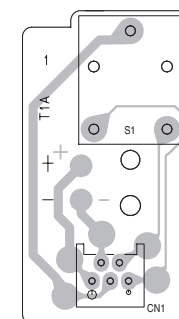


reverse side

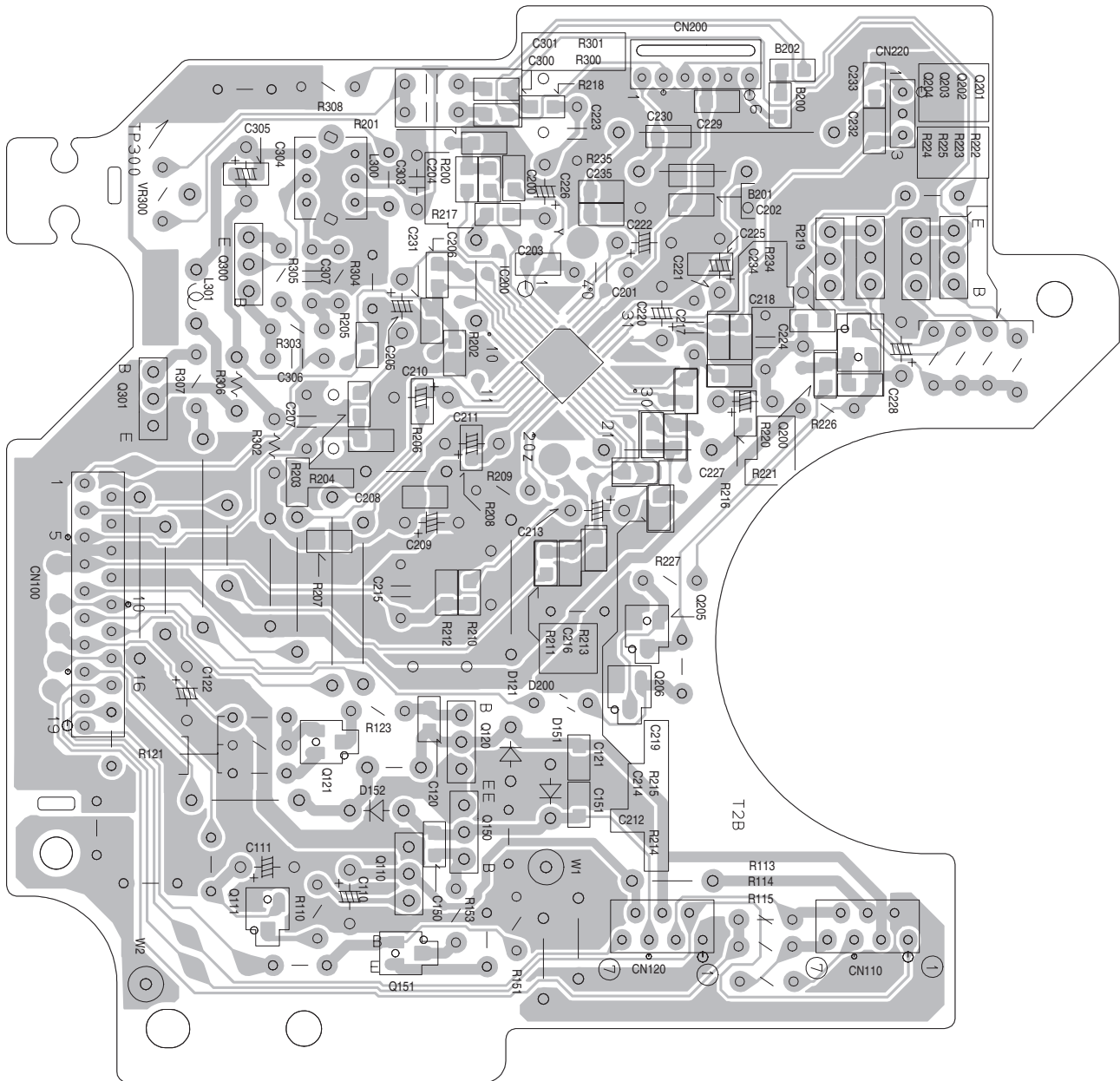


■ **Loader board**

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



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





Victor Company of Japan, Limited

Audio/Video Systems Category 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB532SCH)



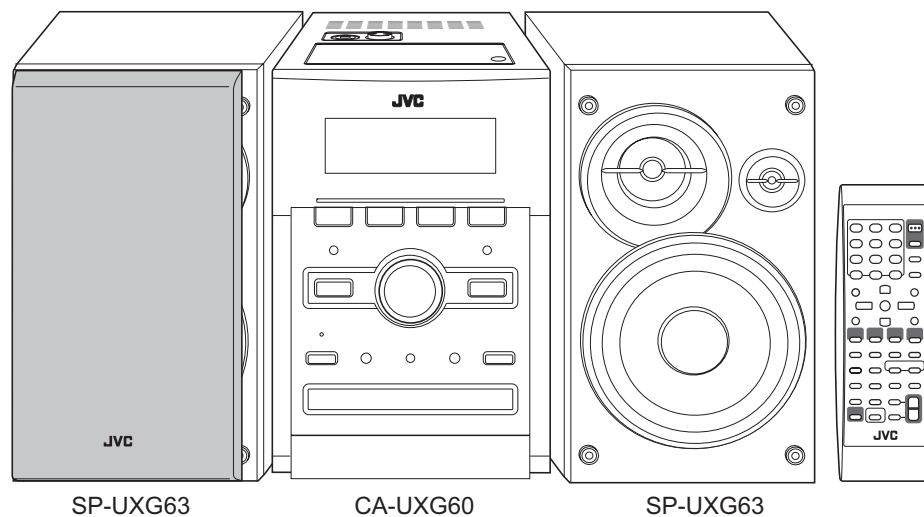
Printed in Japan
VPT

JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

**UX-G60A, UX-G60US, UX-G60UB,
UX-G60UW, UX-G60UX, UX-G60UG,
UX-G60UN**



MP3/WMA
PLAY BACK

MPEG-4
ASF PLAYBACK

Digital Direct Progressive Scan

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

TABLE OF CONTENTS

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SPECIFICATION

Amplifier section CA-UXG60	Output Power		120 W (60 W + 60 W) at 6 Ω (10% THD)
	Audio Input AUX		500 mV/50 k Ω (at "AUX LVL1") 250 mV/50 k Ω (at "AUX LVL2") 125 mV/50 k Ω (at "AUX LVL3")
	Digital output	OPTICAL DIGITAL OUT	-21 dBm to -15 dBm (660 nm ±30 nm)
	Digital input		USB MEMORY
	Video Out	Color system	NTSC or PAL (interlaced/progressive)
		VIDEO (composite)	1 V(p-p)/75 Ω
		S-VIDEO	Y (luminance) : 1 V(p-p)/75 Ω C (chrominance, burst) : NTSC : 0.286 V(p-p)/75 Ω C (chrominance, burst) : PAL : 0.3 V(p-p)/75 Ω
		COMPONENT	(Y) : 1 V(p-p)/75 Ω (PB/PR) : 0.7 V(p-p)/75 Ω
Speaker impedance		6 Ω - 16 Ω	
Tuner section	FM tuning range		87.50 MHz - 108.00 MHz
	AM (MW) tuning range		531 kHz - 1 710 kHz (at 9 kHz intervals) 530 kHz - 1 710 kHz (at 10 kHz intervals) For Saudi Arabia only : 531 kHz - 1 602 kHz (at 9 kHz intervals) For Saudi Arabia only : 530 kHz - 1 600 kHz (at 10 kHz intervals)
Tape section	Frequency response		60 Hz - 14 000 Hz
	Wow and flutter		0.15 % (WRMS)
Disc/file player section	Region codes		Middle East : 2 South East Asia, Hong Kong region : 3 Central and South America, Australia : 4
	Playable disc		DVD Video/DVD Audio/CD/VCD/SVCD/CD-R/CDRW (CD/SVCD/VCD/MP3/WMA/JPEG/MPEG-1/MPEG-2/ASF/DivX format) DVD-R/-RW (DVD-VR/DVD Video/MP3/WMA/JPEG/ MPEG-1/MPEG-2/ASF/DivX format) +R/+RW(DVD-Video format) DVD-ROM (DVD Video/DivX format)
	Playable file		MP3/WMA/JPEG/MPEG-1/MPEG-2/ASF/DivX format
	Dynamic range		80 dB
	Horizontal resolution		500 lines
	Wow and flutter		Immeasurable
General	Power requirement		AC 110 V/AC 127V/AC 220 V/AC 230 V-240V (adjustable with the voltage selector), 50 Hz/60 Hz For Hong kong : AC 220 V , 50 Hz For Oceanian countries : AC 240 V , 50 Hz
	Power consumption		125 W/65 W (at operation) 14 W/11 W (at standby) 3.5 W/3.5 W (at standby dimmer OFF mode)
	Dimensions (approx.)		170 mm × 250 mm × 342 mm(W/H/D)
	Mass (approx.)		5.7 kg
Speaker section SP-UXG63	Speaker units	Tweeter	1.5 cm dome × 1
		Squawker	4 cm cone × 1
		Woofer	13.5 cm cone × 1
	Impedance		6 Ω
	Dimensions (approx.)		166 mm × 250 mm × 232 mm(W/H/D)
	Mass (approx.)		2.8 kg each

Design and 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 manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (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.

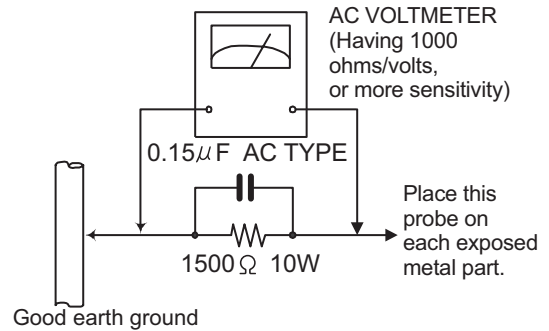
(5) Leakage shock hazard testing

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

voltmeter.

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



1.2 Warning

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

1.3 Caution

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

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

1.4 Critical parts for safety

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

1.5 Preventing static electricity

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

1.5.1 Grounding to prevent damage by static electricity

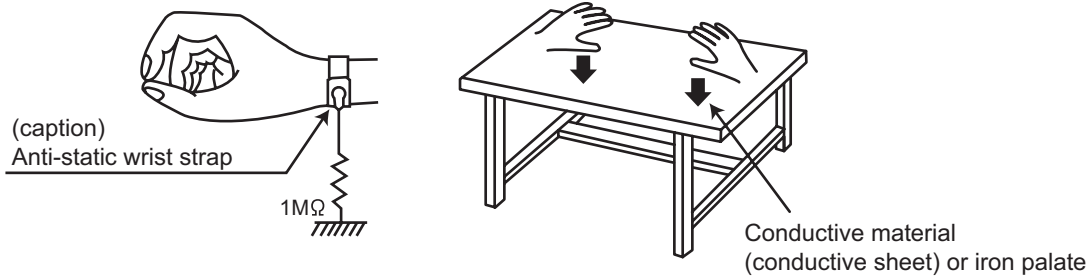
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

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

(2) Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup

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

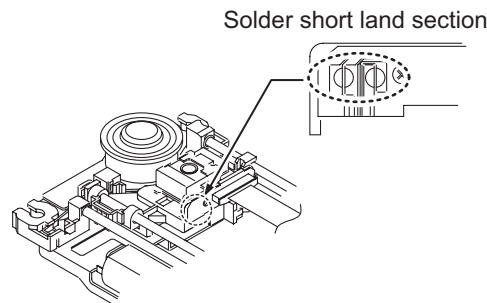
1.6 Handling the traverse unit (optical pickup)

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

1.7 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the card wire is disconnected from the connector on the servo board. (If the card wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the card wire.



1.8 Important for laser products

1.CLASS 1 LASER PRODUCT

2.CAUTION :

(For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.

(Others) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

3.CAUTION : Visible and/or invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

4.CAUTION : This laser product uses visible and/or invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

(For U.S.A.)

CAUTION : Visible and/or invisible class II laser radiation when open. Do not stare into beam.

(Others)

CAUTION : Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments

ACHTUNG: Sichtbare und/oder unsichtbare Laserstrahlung der Klasse 1M bei offenen Abdeckungen. Nicht direkt mit optischen Instrumenten betrachten.

ATTENTION: Rayonnement laser visible et/ou invisible de classe 1M une fois ouvert. Ne pas regarder directement avec des instruments optiques.

VOORZICHTIG: Zichtbare en/of onzichtbare klasse 1M laserstralen indien geopend. Bekijk niet direct met optische instrumenten.

ATTENZIONE: Radiazione laser in classe 1M visibile e/o invisibile quando aperto. Non osservare direttamente con strumenti ottici.

WARNING: Synlig och/eller osynlig laserstrålning, klass 1M, när denna del är öppnad. Betrakta ej strålen med optiska instrument.

VARO! Avattaessa olet alttiina näkyvälle ja/tai näkymättömälle luokan 1M lasersäteilylle. Älä tarkastele sitä optisen laitteen läpi.

ADVARSEL: Synlig og/eller usynlig klasse 1M-laserstråling ved åbning. Se ikke direkte med optiske instrumenter.

AVISO: Radiación láser de clase 1M visible y/o invisible cuando está abierto. No mirar directamente con instrumental óptico.

PRECAUÇÃO: Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe diretamente com instrumentos ópticos.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.



CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

PRECAUÇÃO: Radiação laser de classe 1M visível e/ou invisível quando aberto. Não olhe diretamente com instrumentos ópticos.

ПРЕДУПРЕЖДЕНИЕ: В открытом состоянии происходит видимое и/или невидимое излучение лазера класса 1M. Не смотрите непосредственно в оптические инструменты.

UWAGA: Otwarcie spowoduje narażenie na widzialne i/lub niewidzialne promieniowanie lasera klasy 1M. Nie patrzeć bezpośrednio w przyrządy optyczne.

UPOZORNĚNÍ: Při otevření vydává viditelné popř. neviditelné laserové ozaření třídy 1M. Nedívejte se do otvoru přímo s optickými nástroji.

FIGYELMEZTETÉS: Látható és/vagy láthatatlan 1M osztályú sugárzás nyitott állapotban. Ne nézze közvetlenül optikai műszerekkel.

注意：打開蓋板可能會產生可見或不可見的 1M 級鐳射。不要使用光學儀器直接進行窺視。

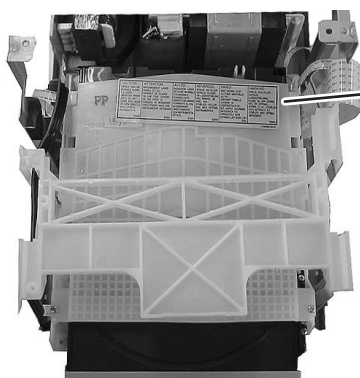
注意：打开盖板可能会产生可见或不可见的 1M 级辐射。不要使用光学仪器直接进行窥视。

تنبيه: يوجد إشعاع ليزري مرئي و/أو غير مرئي من الفئة 1M عندما يكون الجهاز مفتوحاً. تجنب النظر مباشرة داخل الجهاز باستخدام أدوات بصرية.

احتياط: هنگامی که باز گردد، تشعشع مرئی و یا نامرئی کلاس 1M لیزر وجود دارد. با لوازم چشمی مستقیماً به آن نگاه نکنید.

주의: 개방하면 가시 및/또는 비가시 클래스 1M 레이저 방사선이 나옵니다. 광학 기구로 직접 들여다보지 마십시오.

REPRODUCTION AND POSITION OF LABELS and PRINT WARNING LABEL and PRINT



CAUTION	ATTENTION	AVISO	WARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC80025-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLAS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを覗くと可視及び/または不可視のクラス1Mレーザー放射線が出ます。光学装置で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44803-003A

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 metal cover

(See Fig.1, 2)

- (1) Remove the two screws **A** attaching the rear cover. (See Fig.1)
- (2) Remove the five screws **B** attaching the metal cover. (See Fig.1)
- (3) Remove the four screws **C** attaching the metal cover. (See Fig.2)

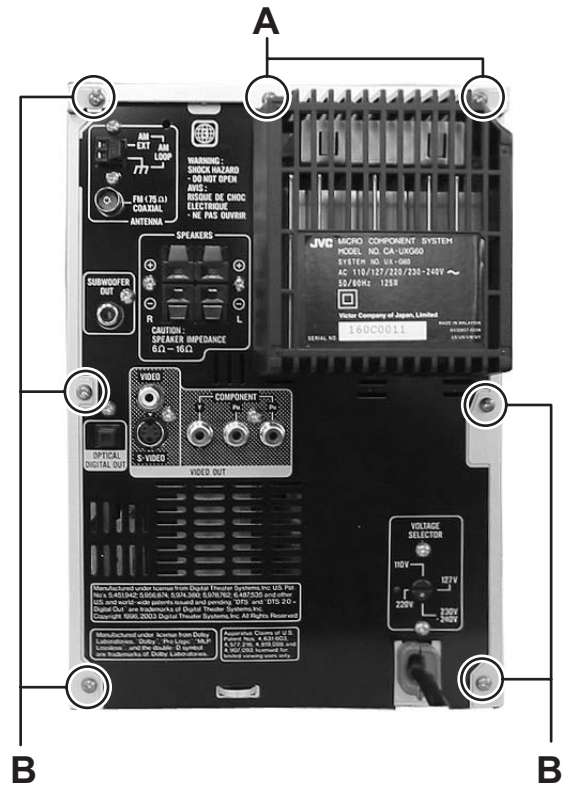


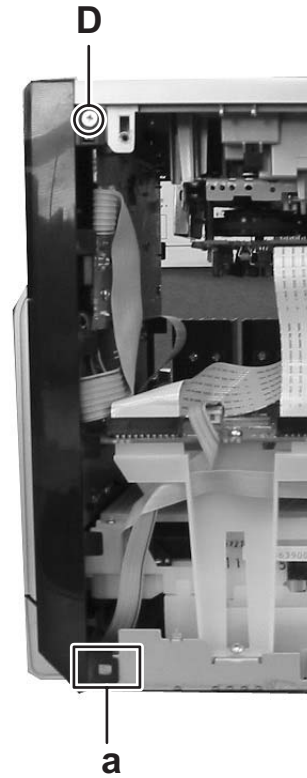
Fig.1



Fig.2

3.1.2 Removing the top cover (See Fig3, 4)

- (1) Remove the two screws **D** attaching the top cover. (See Fig.3)
- (2) Disconnect the card wires from connectors [CN900](#), [CN100](#). (See Fig.4)



(both side)

Fig.3

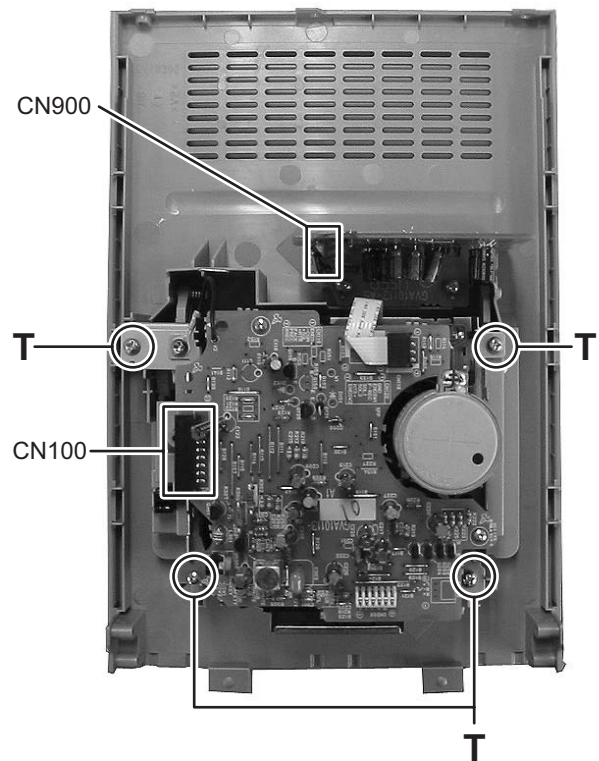


Fig.4

3.1.3 Removing the front panel assembly (See Fig.3, 5, 6)

- (1) Remove the two screws **E** attaching the front panel assembly. (See Fig.5)
- (2) Disconnect the card wire the FL board from the connector **CN205** of the main board. (See Fig.6)
- (3) Disengage the two hooks **a** then remove the front panel assembly. (See Fig.3)

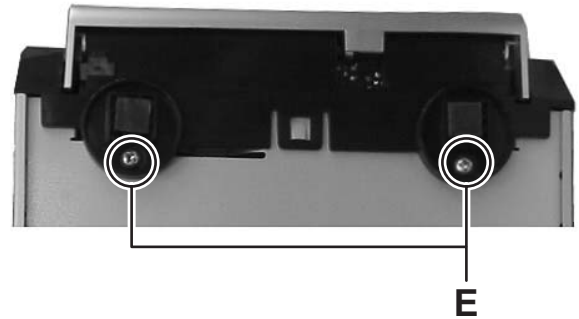


Fig.5

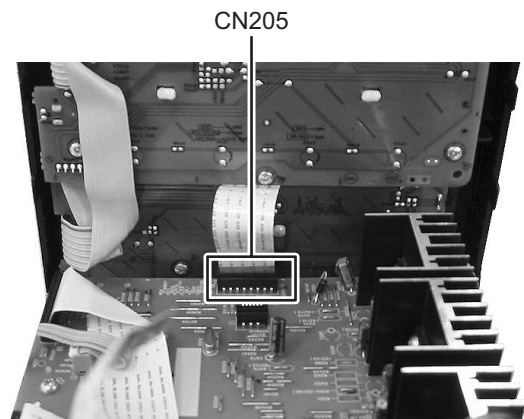


Fig.6

3.1.4 Removing the tuner pack (See Fig.7, 8)

- (1) Disconnect the card wire of the tuner pack from connector [CN11](#) of the main board. (See Fig.7)
- (2) Remove the two screws **F** attaching the tuner pack. (See Fig.8)

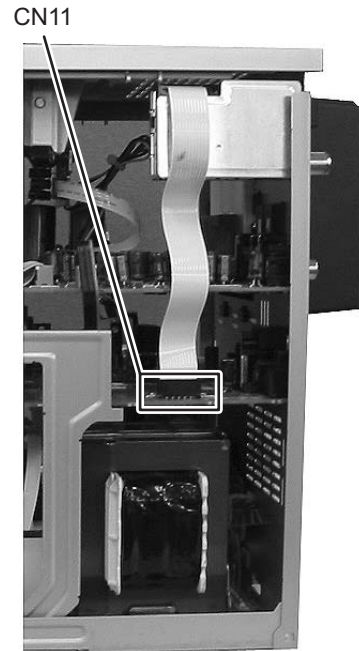


Fig.7

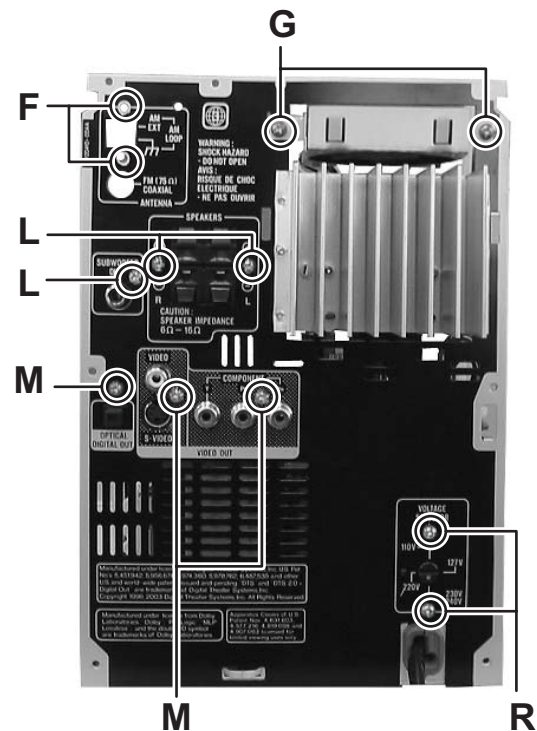


Fig.8

3.1.5 Removing the fan (See Fig.8, 9)

- (1) Disconnect the connector wire of the fan from connector [CN602](#) of the power amp board. (See Fig.9)
- (2) Remove the two screws **G** attaching the fan. (See Fig.8)

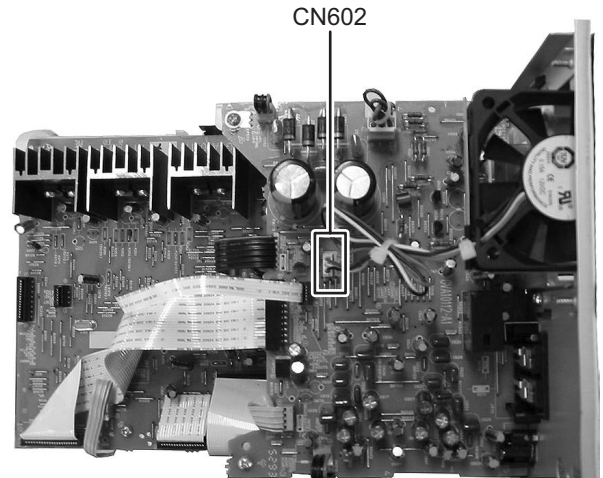


Fig.9

3.1.6 Removing the power amplifier board (See Fig.8, 10)

- (1) Disconnect the card wire from connector [CN217](#), of the power amplifier board. (See Fig.10)
- (2) Disconnect the parallel wires from connectors [CN219](#), [CN722](#), [CN810](#), [CN811](#) of the power amplifier board. (See Fig.10)
- (3) Disconnect the connector wire from connector [CN601](#) of the power amplifier board. (See Fig.10)
- (4) Disconnect the card wire from connector [CN203](#) of the main board. (See Fig.10)
- (5) Remove the two screws **H** attaching the power IC. (See Fig.10)
- (6) Remove the one screw **J** and one screw **K** attaching the power amplifier board. (See Fig.10)
- (7) Remove the three screws **L** attaching the power amplifier board. (See Fig.8)

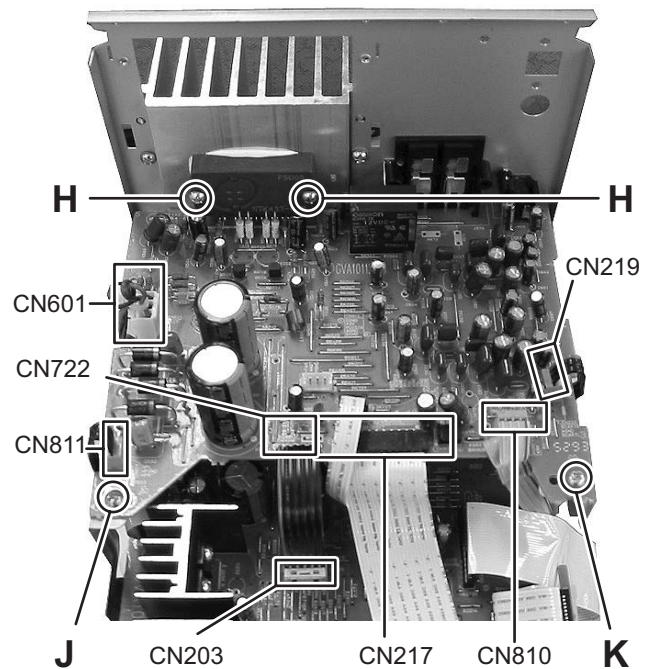


Fig.10

3.1.7 Removing the main board (See Fig.8, 11)

- (1) Remove the three screws **M** attaching the main board. (See Fig.8)
- (2) Disconnect the connector wire from connector [CN202](#) of the main board. (See Fig.11)
- (3) Disconnect the card wires from connectors [CN21](#), [CN711](#) and [CN831](#) of the main board. (See Fig.11)
- (4) Disconnect the parallel wires from connectors [CN201](#), [CN206](#) of the main board. (See Fig.11)
- (5) Remove the two screws **N** attaching the main board. (See Fig.11)

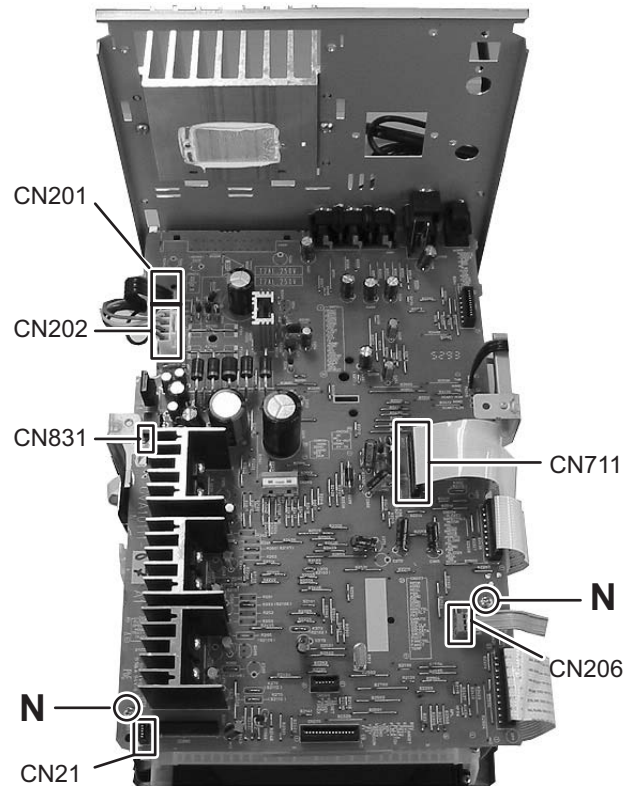


Fig.11

3.1.8 Removing the DVD mechanism assembly

(See Fig.12, 13)

- (1) Remove the two screws **P** attaching the mecha holder B. (See Fig.12)
- (2) Remove the one screw **Q** attaching the DVD mechanism assembly. (See Fig.12)

Reference:

DVD mechanism assembly can remove without remove the mecha holder B, please remove mechanism holder B if necessary.

- (3) Disconnect the connector wire of the jack board from connector [CN811](#) of the DVD module board. (See Fig.13)

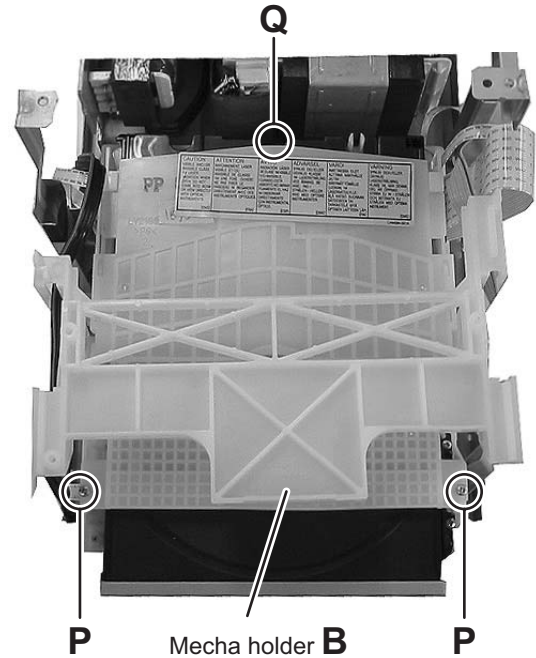


Fig.12

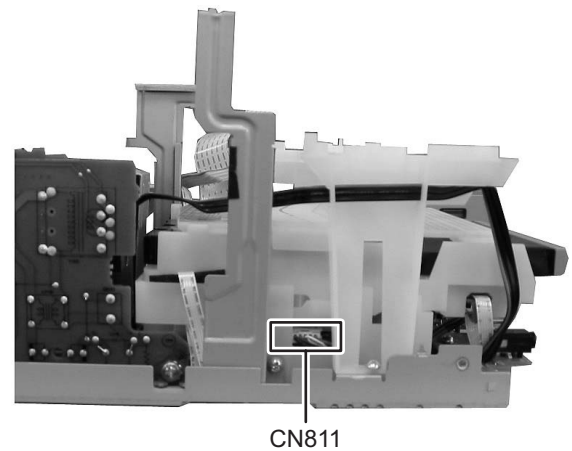


Fig.13

3.1.9 Removing the rear panel

(See Fig.8)

- (1) Remove the two screws **R** attaching the power supply board. (See Fig.8)

3.1.10 Removing the jack board

(See Fig.14)

- (1) Remove the one screw **S** attaching the jack board.
- (2) Disengage the two hooks **b** then remove the jack board.

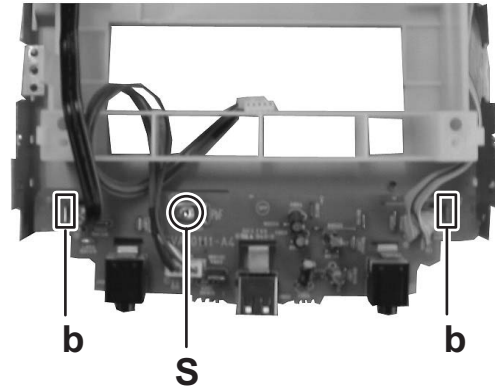


Fig.14

3.1.11 Removing the cassette mechanism assembly

(See Fig.4)

- (1) Remove the four screws **T** attaching the cassette mechanism assembly.

3.1.12 Removing the FL board

(See Fig.15)

- (1) Remove the five screws **U** attaching the FL board

3.1.13 Removing the switch board

(See Fig.15)

- (1) Take out the volume knob.
- (2) Remove the four screws **V** attaching the switch board.
- (3) Disengage the six hooks **c** then remove the switch board.

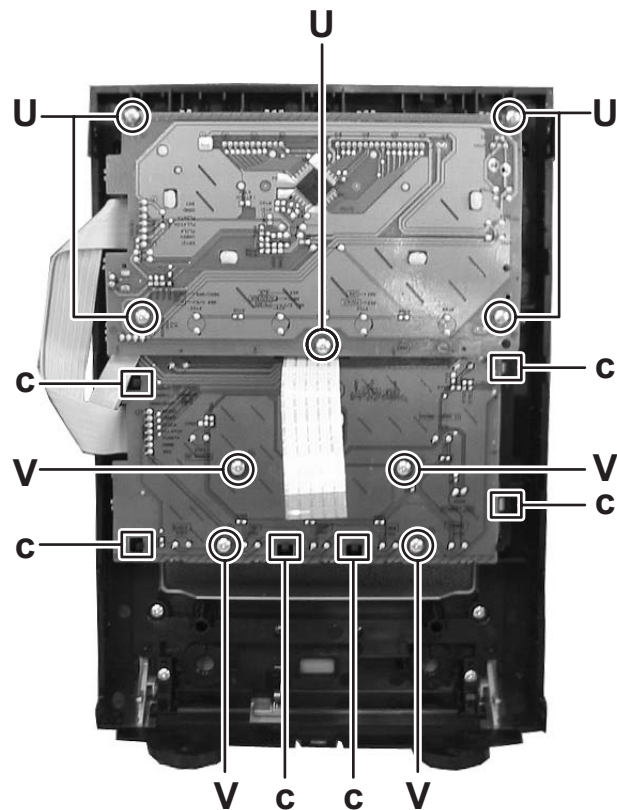


Fig.15

3.2 DVD mechanism

3.2.1 Removing the traverse mechanism

(See Fig.1 to 6)

- (1) Remove the two screws **A** attaching the tramecha holder from top side of DVD mechanism assembly. (See Fig.1)
- (2) Remove the two screws **B** attaching the DVD module board. (See Fig.2)
- (3) Remove the four screws **C** attaching the CB holder and take out it. (See Fig.3)
- (4) Remove the four screws **D** attaching the traverse mechanism. (See Fig.4)
- (5) Solder the solder part of DVD pickup up. (See Fig.5)
- (6) Disconnect the card wire from [CN101](#) and [CN201](#) on the DVD module board. (See Fig. 6)

Caution:

- Solder the short land section on the DVD pickup before disconnecting the card wire from the connector on the DVD pickup. If the card wire is disconnected without attaching solders, the pickup may be destroyed by static electricity.
- When attaching the DVD pickup, be sure to remove solders from the short land section after connecting the card wire to the connector on the DVD pickup.

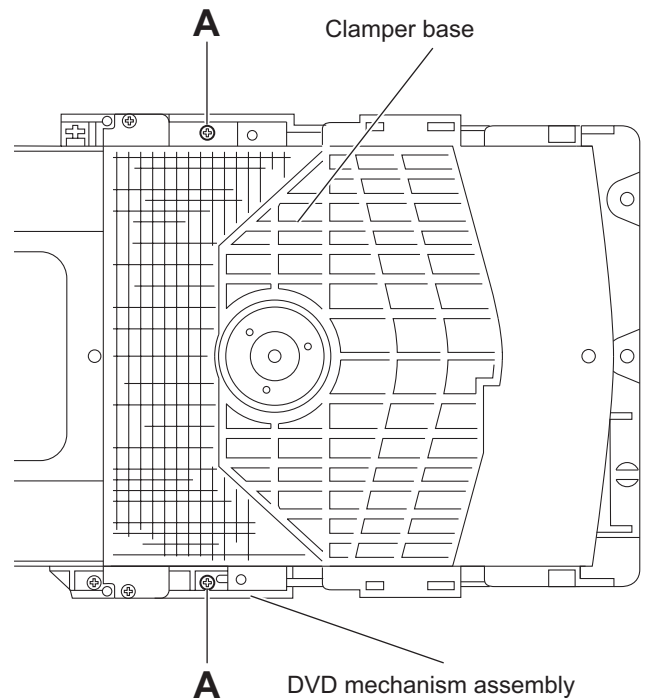


Fig.1

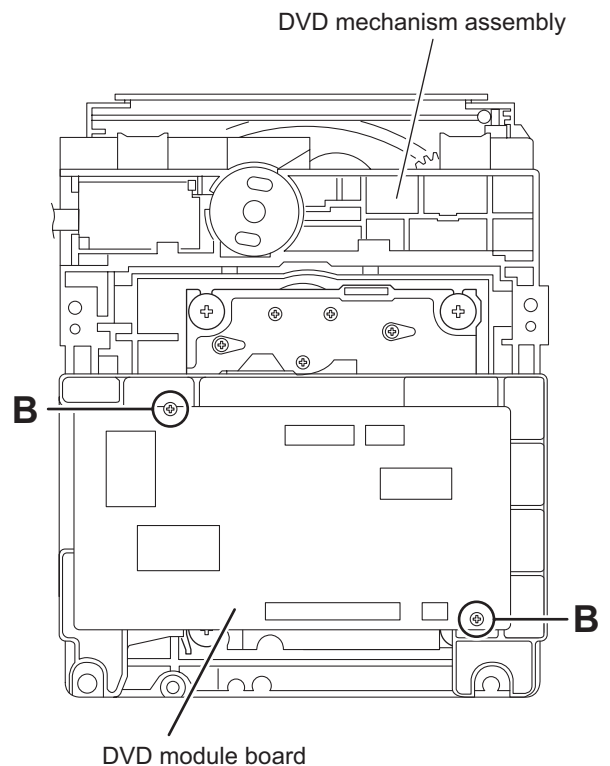


Fig.2

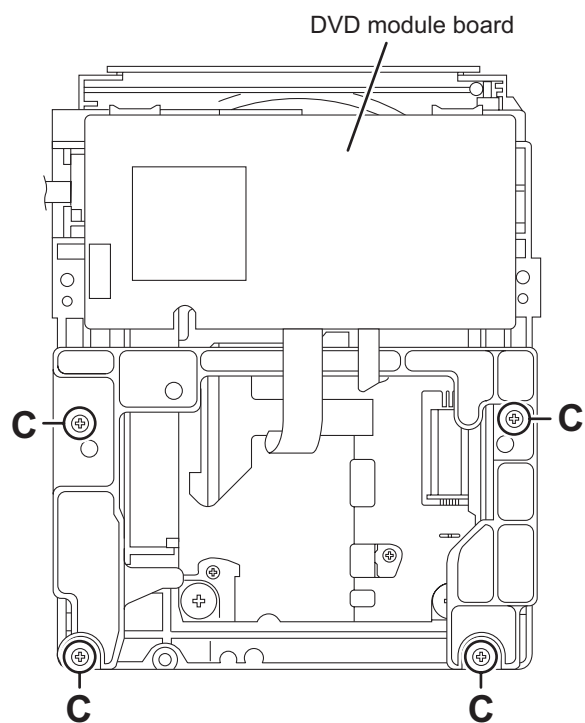


Fig.3

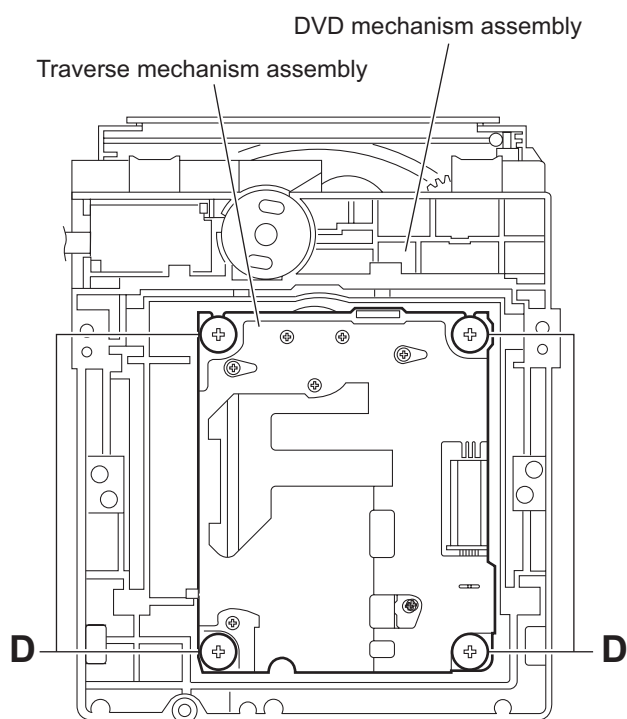


Fig.4

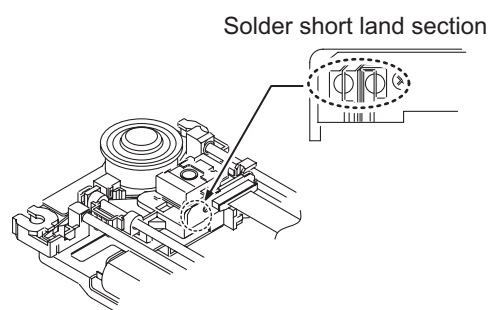


Fig.5

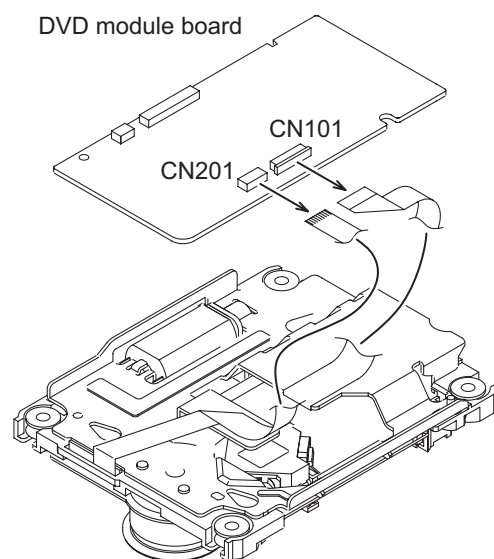


Fig.6

3.2.2 Removing the pickup assembly

(See Fig.7 to 11)

- (1) Remove the two rod springs pressing the guide shaft. (See Fig.7)
- (2) Remove the screw **E** and **F** attaching the spring holder. (See Fig.8)
- (3) Remove the read screw from traverse mechanism assembly. (See Fig.9)

Caution:

When remove the lead screw, do not loss the middle gear. (See Fig.10 and 11)

- (4) Remove the bar spring pressing the shaft. (See Fig.10)
- (5) Take out the pickup assembly from traverse mechanism chassis by order. (See Fig.11)

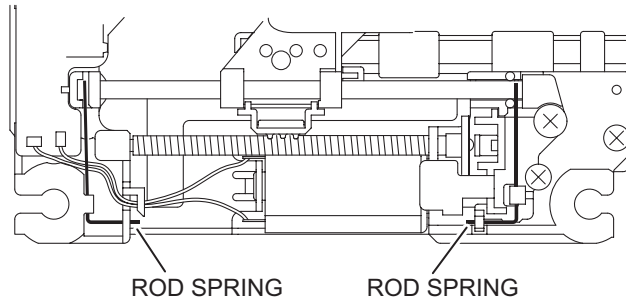


Fig.7

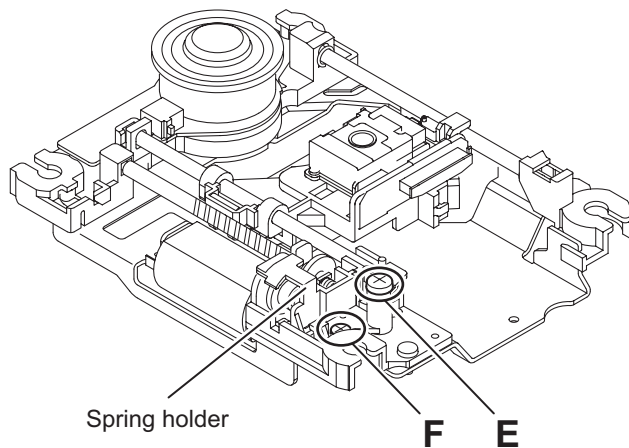


Fig.8

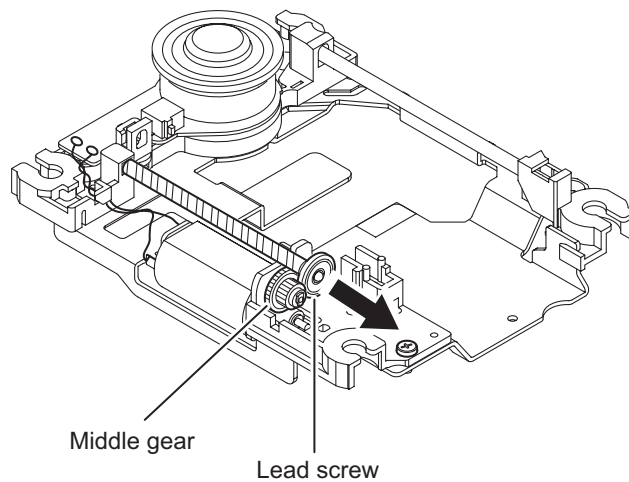


Fig.9

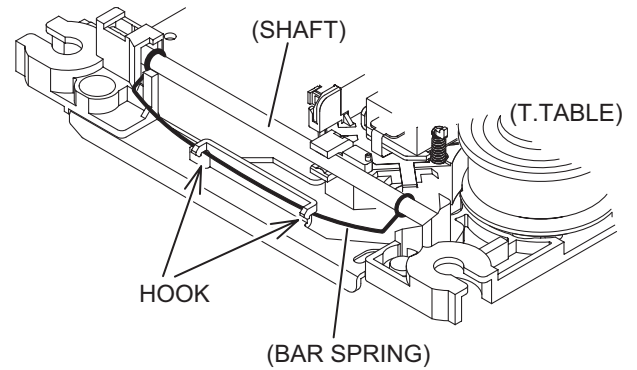


Fig.10

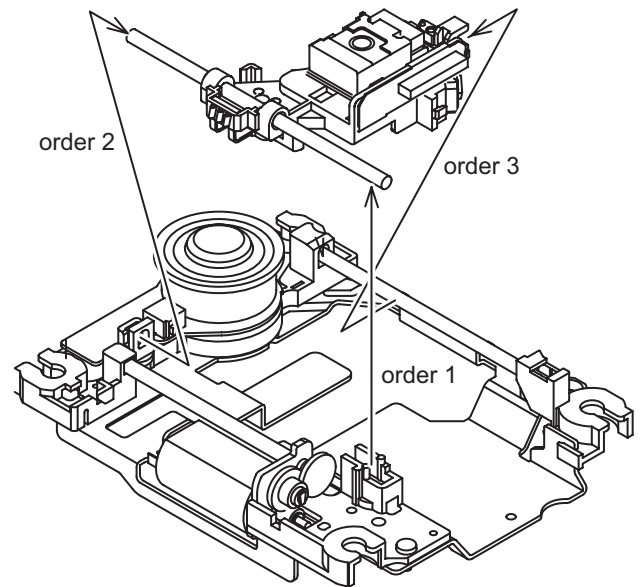


Fig.11

3.2.3 Removing the feed motor assembly (See Fig.12)

- (1) Remove the one screw **G** attaching the feed motor assembly.
- (2) Remove the feed motor wires from solder part of spindle motor board.

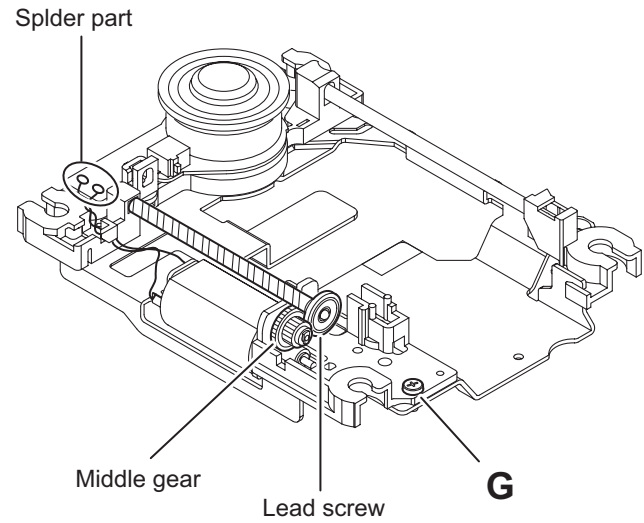


Fig.12

3.2.4 Removing the spindle motor assembly (See Fig.13)

- (1) Remove the two screws **H** attaching the spindle motor from spindle motor board.

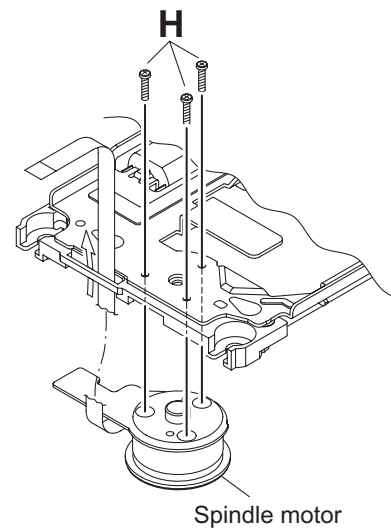


Fig.13

3.2.5 Removing the tray assembly

(See Fig.14 & 15)

- (1) Remove the two screws **J** attaching the clamber base.
(See Fig.14)
- (2) Remove the one screw **K** attaching the shaft guide from
bottom side. (See Fig.14)
- (3) Remove the two screws **L** attaching the shaft guide from
top side. (See Fig.15)

Caution:

When attach the tray assembly, boss of loading sub assembly
should attach to guide of bottom side at tray assembly. (See
Fig.15)

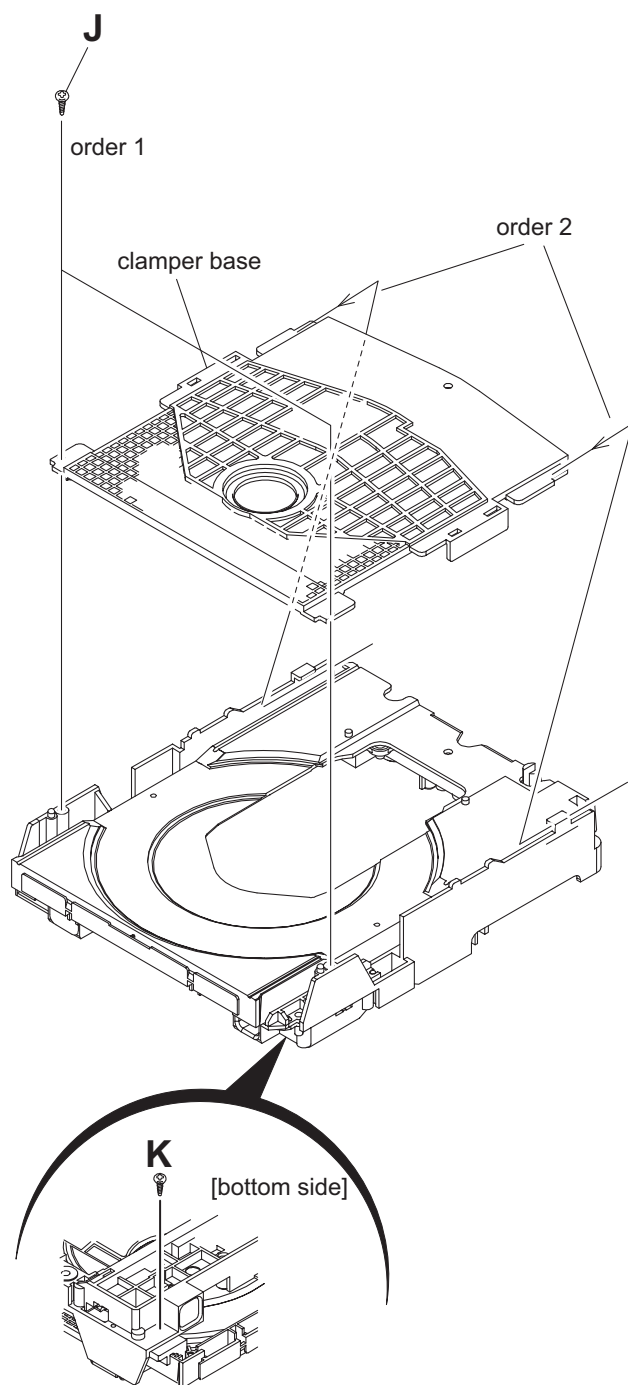


Fig.14

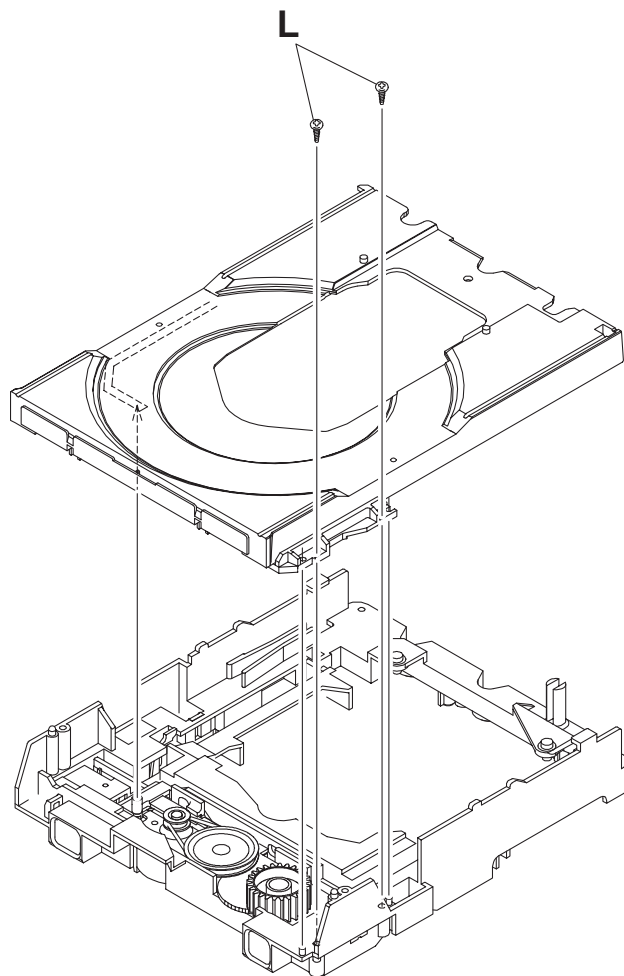


Fig.15

SECTION 4 ADJUSTMENT

4.1 ATTENTION IN SERVICE OF DVD SECTION

- (1) When pickup, flash rom, DVD module board were changed, initialize EEPROM all means.
- (2) When full initialization was executed, execute learning with a DVD test disc by all means.
Test disc : VT-501, VT-502
Learning method : It is adjusted automatically by normal playback of a DVD disc.

4.2 DVD test mode

4.2.1 To enter DVD test mode

- (1) AC power OFF.
- (2) Press and hold DVD/CD + >>| keys on the front panel. Then AC power ON while holding three keys.
- (3) DVD mechanism will start in TEST MODE. The following will be display on the set.

T	x	x	y	v	w
---	---	---	---	---	---

xx = Destination information as follows; JC / 1U / D / E / 2U / 3U / UB / UT / 4U / UY / EE / UF
y = region number
v = study state information from mechanism micon

v status	0	1	2	3
DVD Learned	Y	N	Y	N
CD Learned	Y	Y	N	N

w = initialization state from mechanism micon

w status	0	3	BLANK
DVD Learned	Normal	Full	Not initialize

4.2.2 To exit DVD test mode

- (1) During test mode (except for device key write & DVD region rewrite), press POWER key.
- (2) To exit test mode for device key write & DVD region rewrite, first AC OFF, then AC ON again to return to normal state.

4.2.3 DVD module EEPROM initialization

No.	STEP	NORMAL INITIALIZE
1	During DVD test mode	Press >> key on front panel
2	System display w status	w = 0 (Normal initialize)

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.MB532)



Printed in Japan
VPT

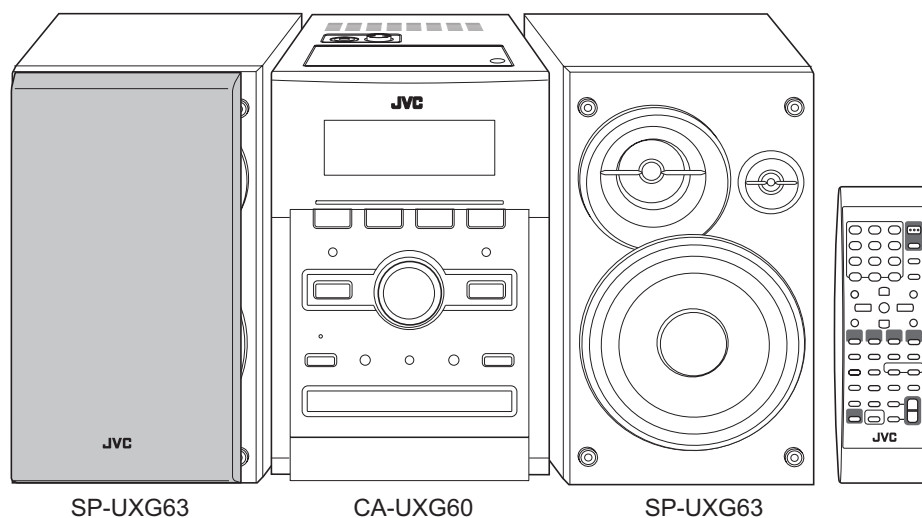
JVC

SCHEMATIC DIAGRAMS

MICRO COMPONENT SYSTEM

UX-G60A, UX-G60US, UX-G60UB, UX-G60UW UX-G60UX, UX-G60UG, UX-G60UN

CD-ROM No.SML200606



MPEG-4
ASF PLAYBACK

Digital Direct Progressive Scan

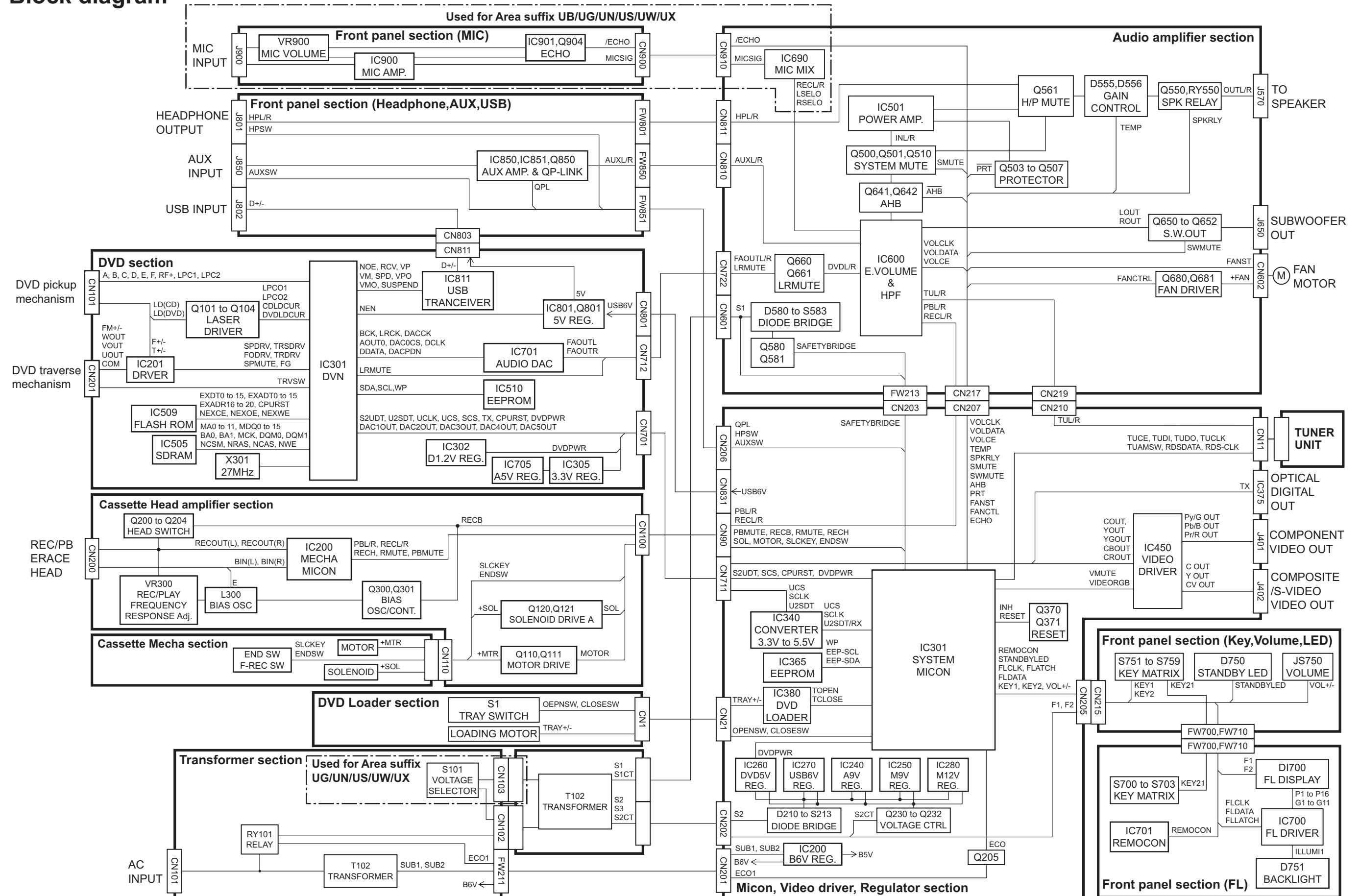
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

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

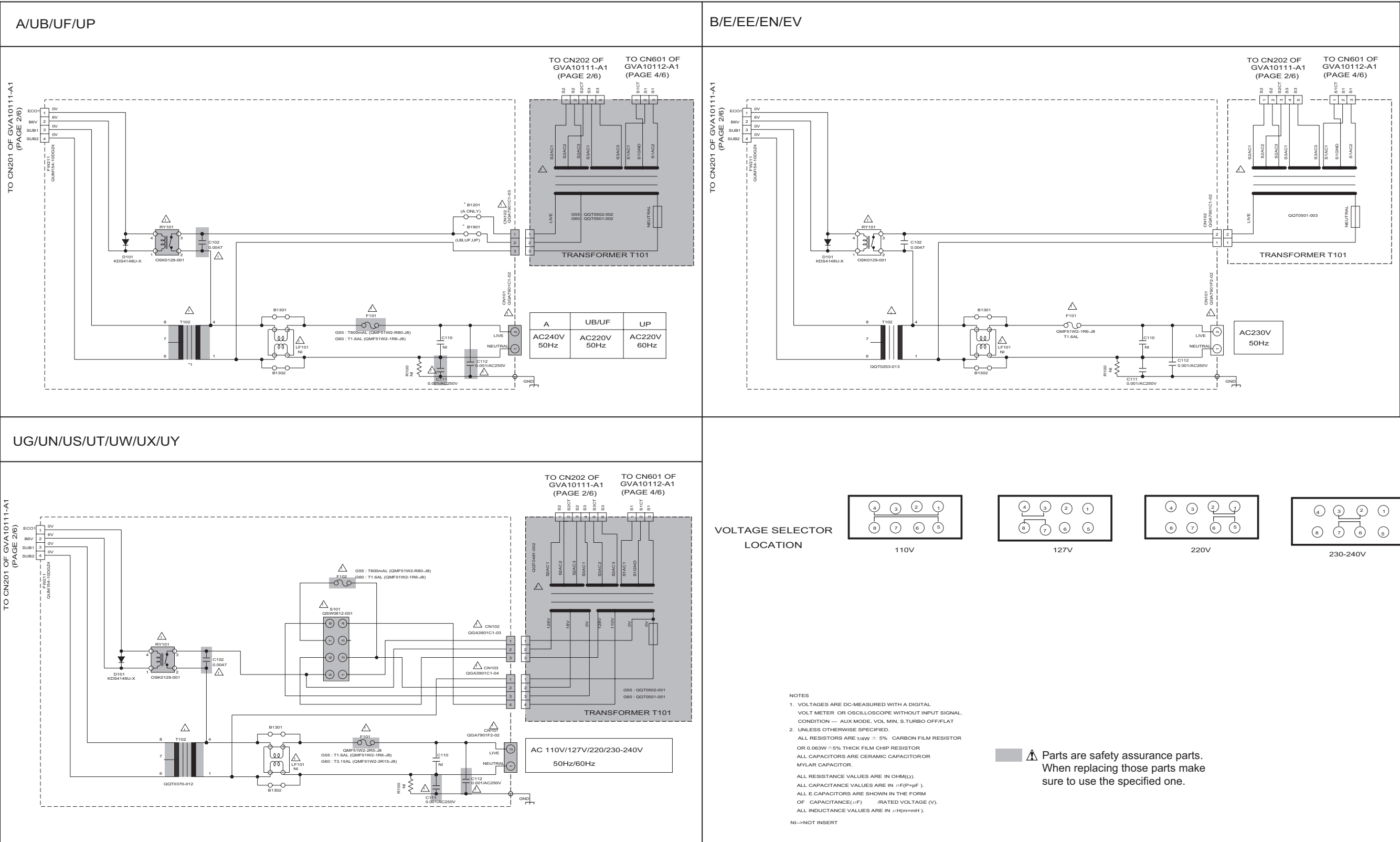
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▬) and ICP (●) or identified by the "A" mark nearby are critical for safety.

Block diagram

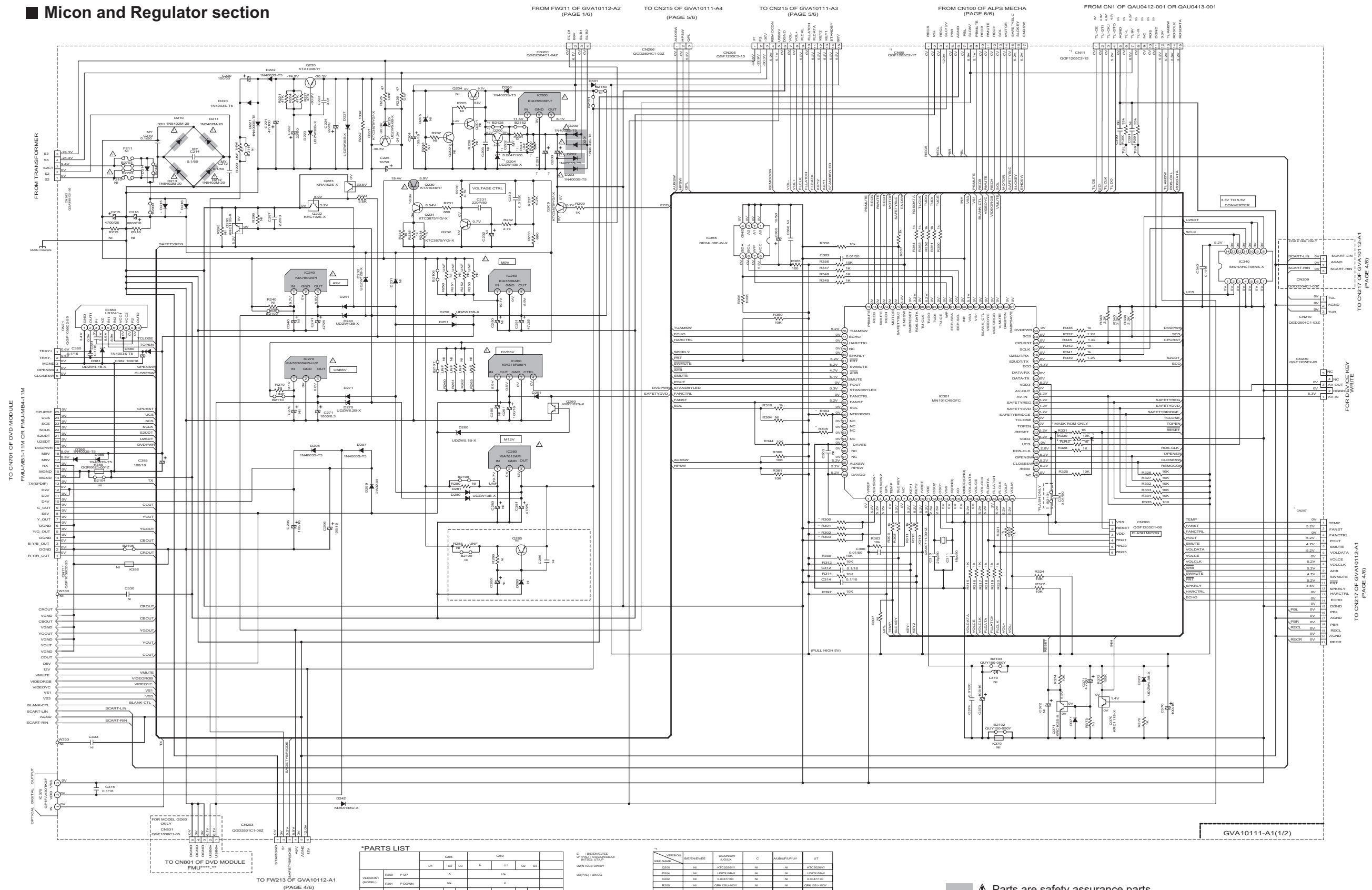


Standard schematic diagrams

Transformer section

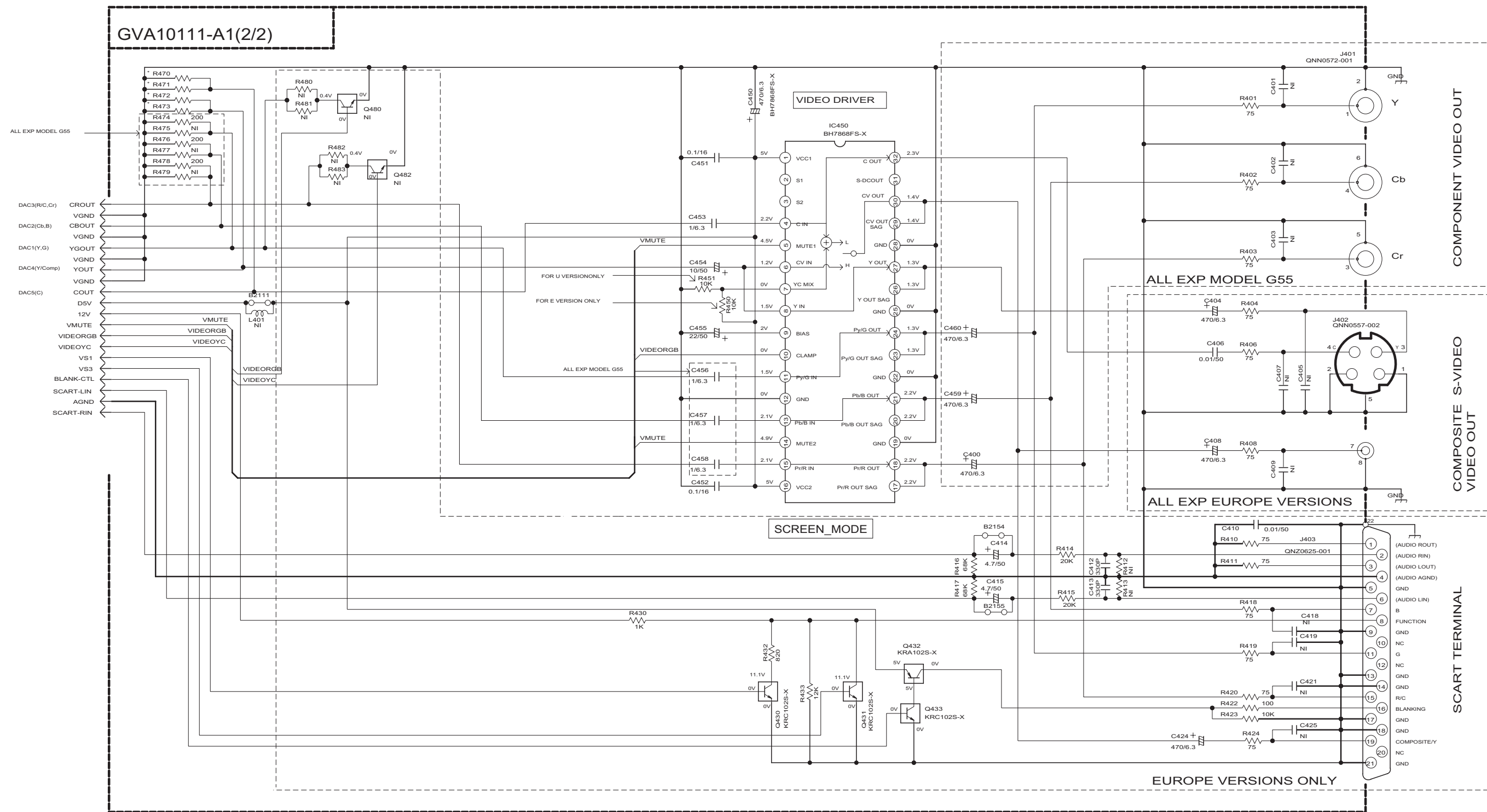


■ Micon and Regulator section



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

■ Video driver and outputv section



REF. NAME	VERSION	
	UX-G55	UX-G60
R470	270	200
R471	750	NI
R472	270	200
R473	750	NI

DIGITAL TRANSISTOR		Rb	Rbe
	KRC102S-X	10K	10K
	KRA102S-X	10K	10K
	KRC111S-X	10K	NIL

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- DVD STOP MODE.

2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE 1/4W ±5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

NI→NOT INSERT

ALL RESISTANCE VALUES ARE IN OHM(Ω).

ALL CAPACITANCE VALUES ARE IN μF(P=pF).

ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

ALL INDUCTANCE VALUES ARE IN μH(m=mH).

ALL FERRITE BEADS ARE QOR0621-001Z

ALL DIODES ARE MA111-X

Audio amplifier section

REF. NO	B/E/E/E/E/NE/V UP	OTHERS
C571	0.003350	NI
C572		
C577	0.003350	0.00150
C578		
C573		
C574	0.04750	NI
C575		
C576		
R571	4.7 (UNF)	NI
R572		

REF. NO	WITH TAPE & MIC	WITH TAPE ONLY	WITHOUT TAPE (ver.)
B6000	NI	NRS4633-GRX	NRS4633-GRX
B6001	NI	NRS4633-GRX	NRS4633-GRX
C606	10/35	NI	NI
C616	10/35	NI	NI
C607	10/35	10/35	NI
C617	10/35	10/35	NI
B6120	QUY150-050V	NI	NI
B6121	QUY150-050V	NI	NI
C6610	INSERT	NI	NI

REF. NO	UK-G60 (ver.)	UK-G60 (ver.)	UK-G55
C621			
C622	0.27uF	0.33uF	0.18uF
C631			
C632			
R621	7.5K	3.9K	7.5K
R631			
R642	15K	27K	22K
R643			
C640	150	4.750	150
R644	3.3K	3K	4.7K
C642	0.15/10	0.15/10	0.15/10
R648	100K	22K	100K
R649	330K	100K	330K
C649	150	150	0.68/50
C628	0.002750	0.001250	0.002250
C638			
R611	7.5K	7.5K	6.8K
R630			
C509	47/35	47/83	47/83
C522			
C585	3300/50	4700/50 (50)	2200/35
C586			

REF. NO	UK-G55 (ALL ver.)	UK-G60 (ALL ver.)
R500	6.2K	3.3K
R501	6.2K	3.3K
R532	10K	NI
R533	10K	NI
R555	39K	24K
R556	39K	24K

DIGITAL TRANSISTOR CONSTRUCTION

	R1	R2	KRC1115-X
	10K	-	
	R1	R2	KRA1095-X
	10K	10K	
	R1	R2	KRC1025-X
	47K	22K	
	R1	R2	KRA102M-T
	10K	10K	
	R1	R2	KRC102M-T
	10K	10K	

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- AUX MODE, VOL MIN, S, TURBO OFF/FLAT.

2. UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE 1/10W ± 5% METAL GLAZE RESISTOR.

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR (INDICATED "MY").

ALL RESISTANCE VALUES ARE IN OHM (Ω).

ALL CAPACITANCE VALUES ARE IN μF (μF).

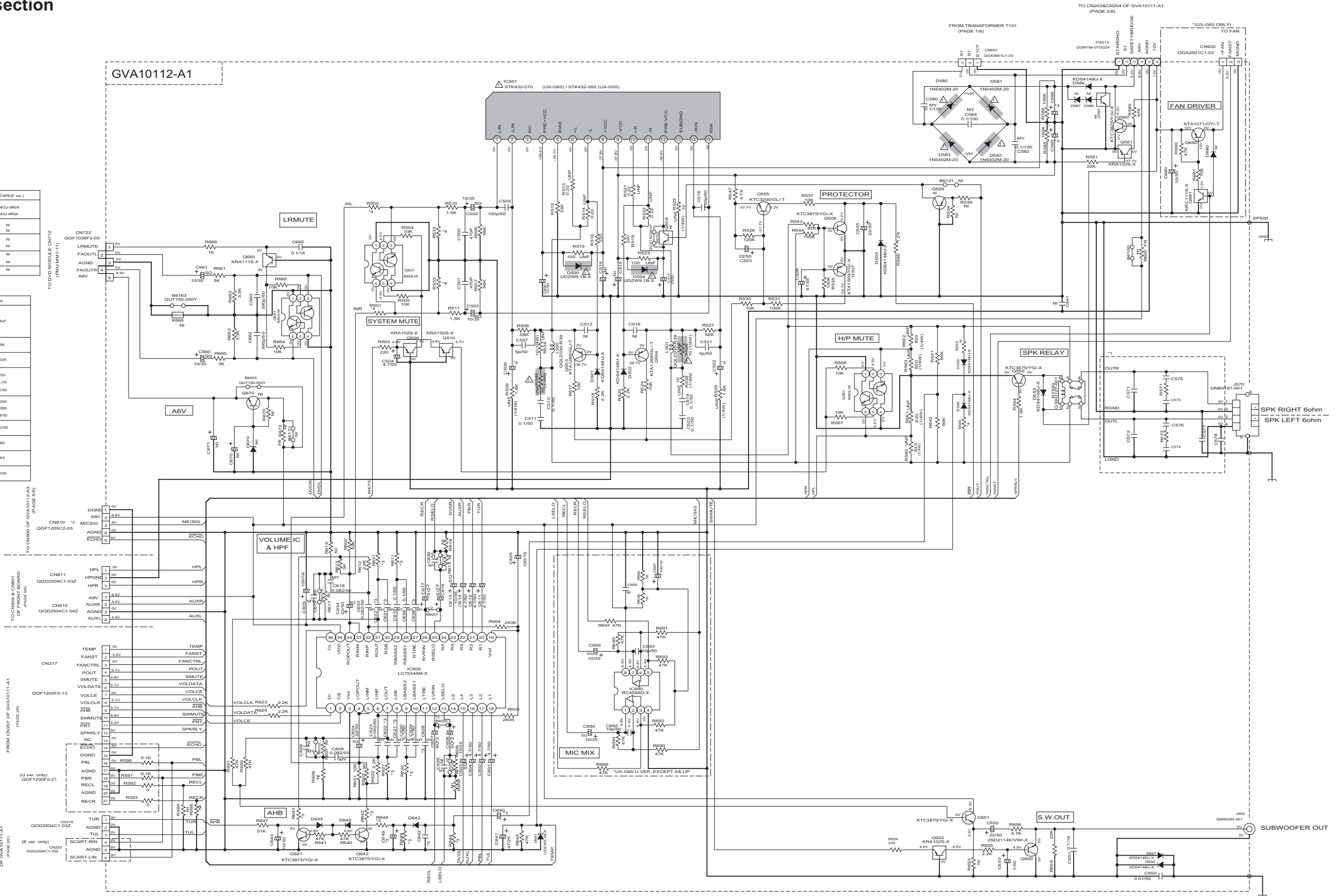
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF) / RATED VOLTAGE (V).

E-CAPACITORS INDICATED WITH "50" ARE SOUND QUALITY TYPE.

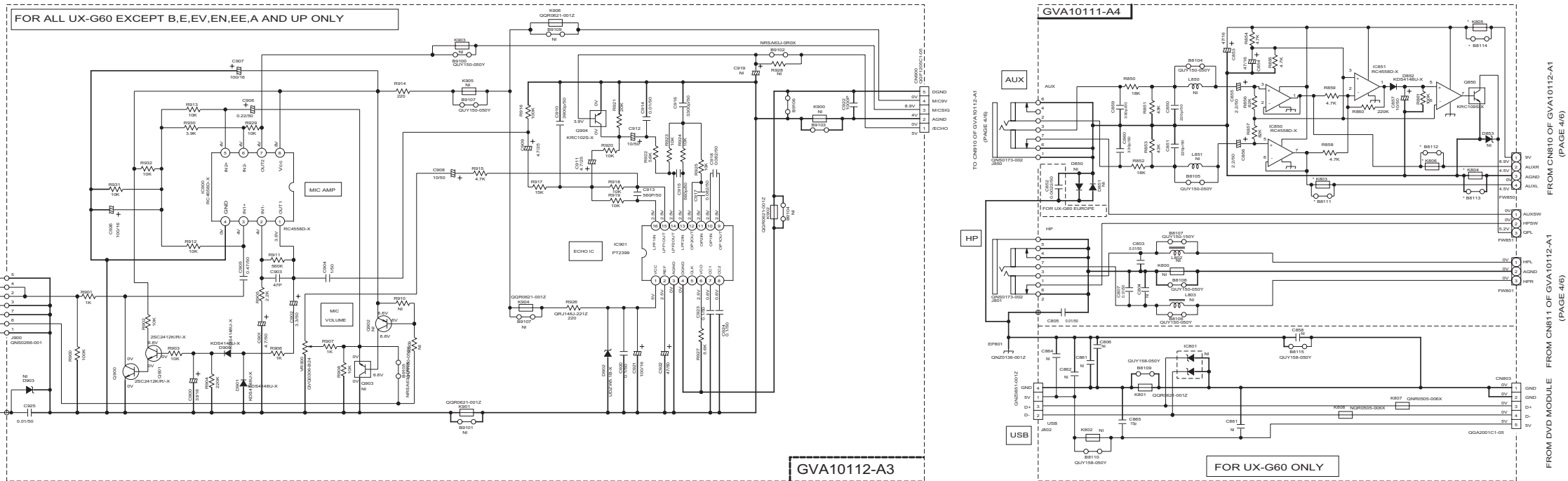
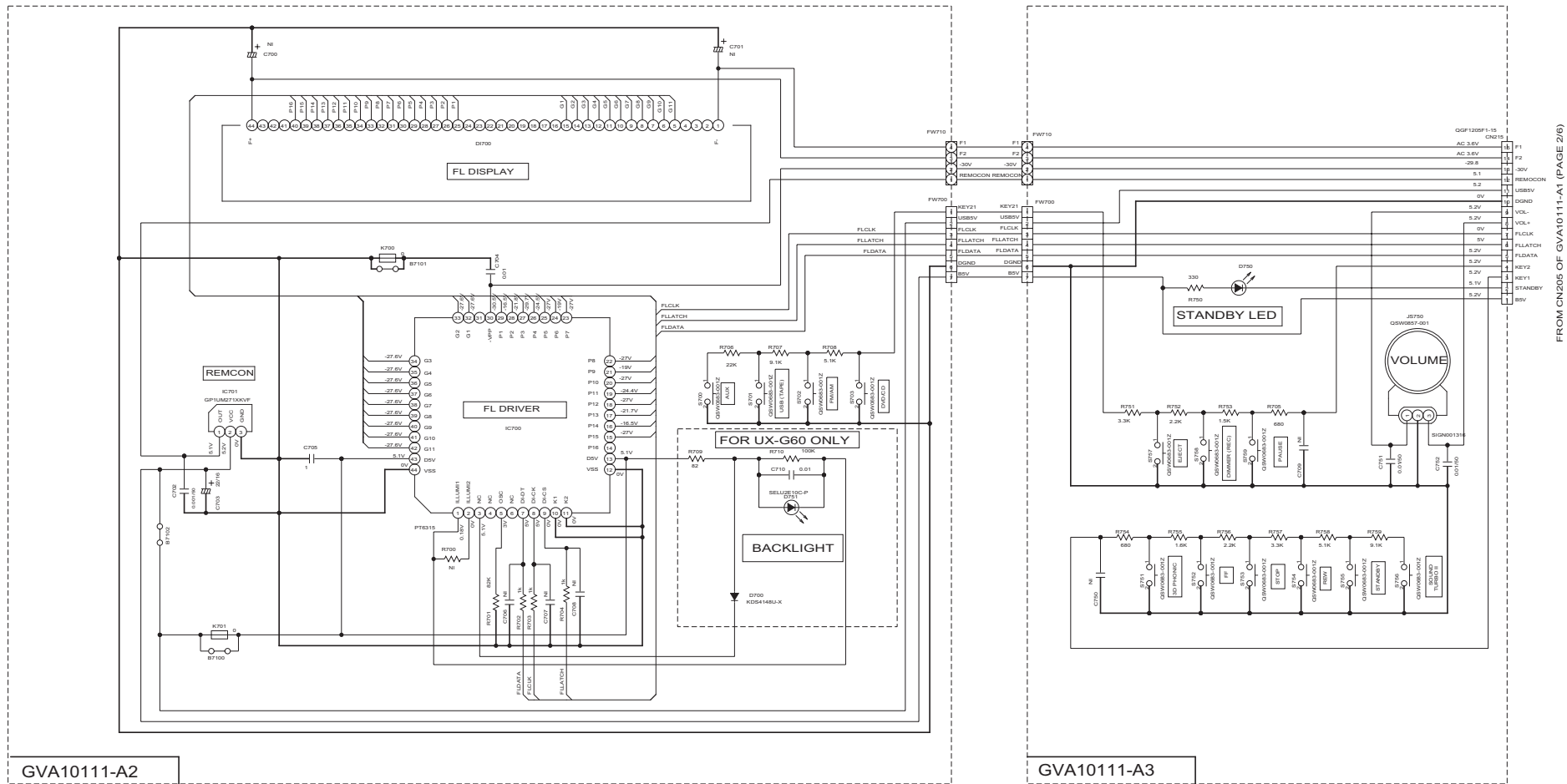
ALL INDUCTANCE VALUES ARE IN μH (μH).

ALL DIODES ARE KDS4148U-X UNLESS SPECIFIED.

GVA10112-A1



■ Front panel section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — DVD STOP MODE.

2. UNLESS OTHERWISE SPECIFIED:

ALL RESISTORS ARE 1/4W ±5% CARBON FILM RESISTOR OR 0.063W ±5% THICK FILM CHIP RESISTOR

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

NI—NOT INSERT

ALL RESISTANCE VALUES ARE IN OHMS(Ω).

ALL CAPACITANCE VALUES ARE IN pF(pF).

ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F) / RATED VOLTAGE (V).

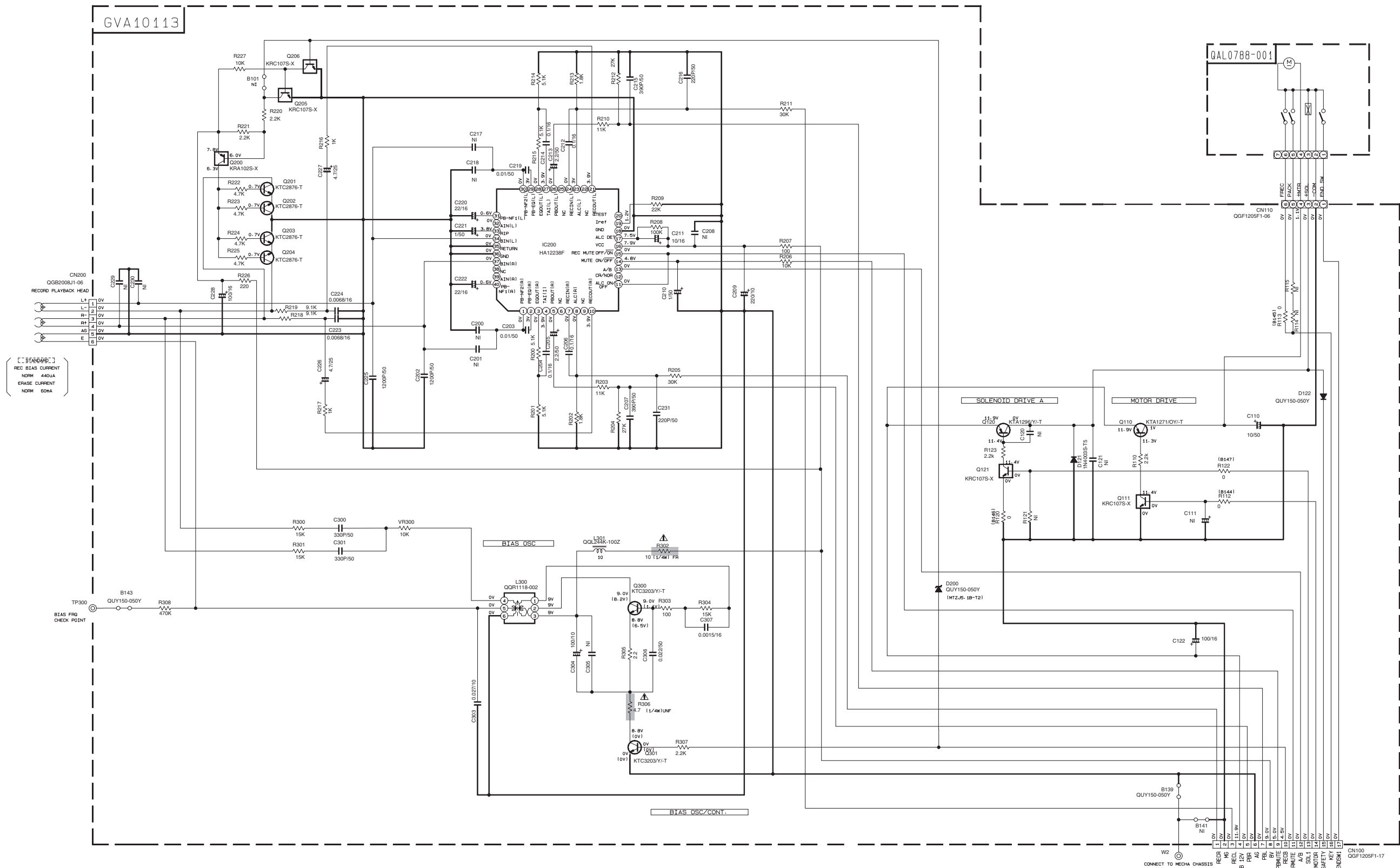
ALL INDUCTANCE VALUES ARE IN μH(μH).

ALL FERRITE BEADS ARE GQR0621-001Z

ALL DIODES ARE MA111-X

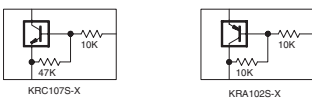
REF. NO	UX-G60E (ver.)	UX-G60U (ver.)	UX-G65
R803	QNR0205-001X	QNR0205-001X	NI
R804	NI	QNR0205-001X	NI
R805	NI	QNR0205-001X	NI
B811	NI	NI	QUY150-000Y
B812	NI	NI	QUY150-000Y
B814	QUY150-000Y	NI	QUY150-000Y

■ Cassette section



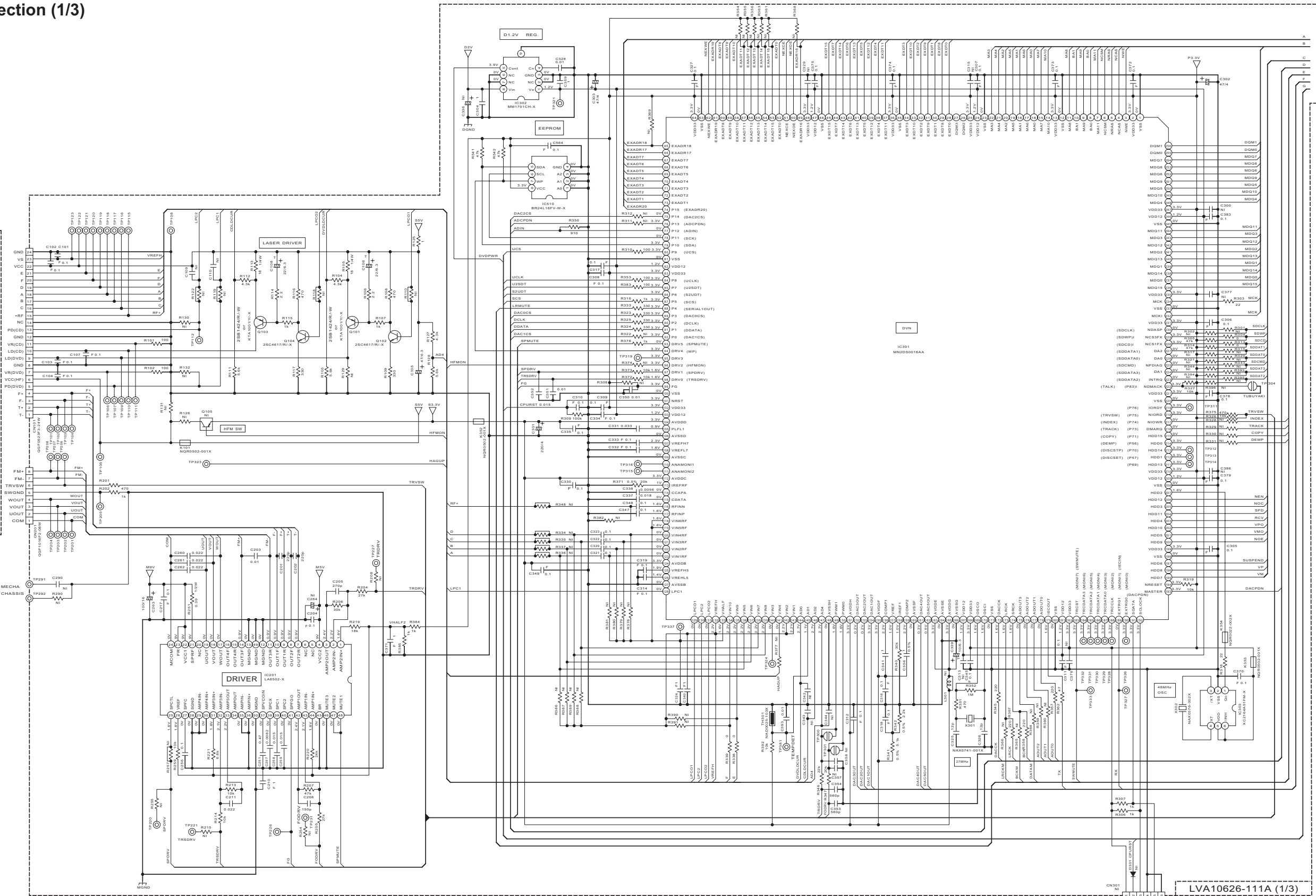
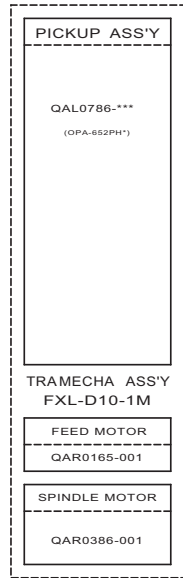
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION - MECHA STOP MODE.
- UNLESS OTHERWISE SPECIFIED - RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN #F(PpF). ALL INDUCTANCE VALUES ARE IN #H(mH). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (#F)/RATED VOLTAGE (V). POLYPROPYLENE CAPACITOR



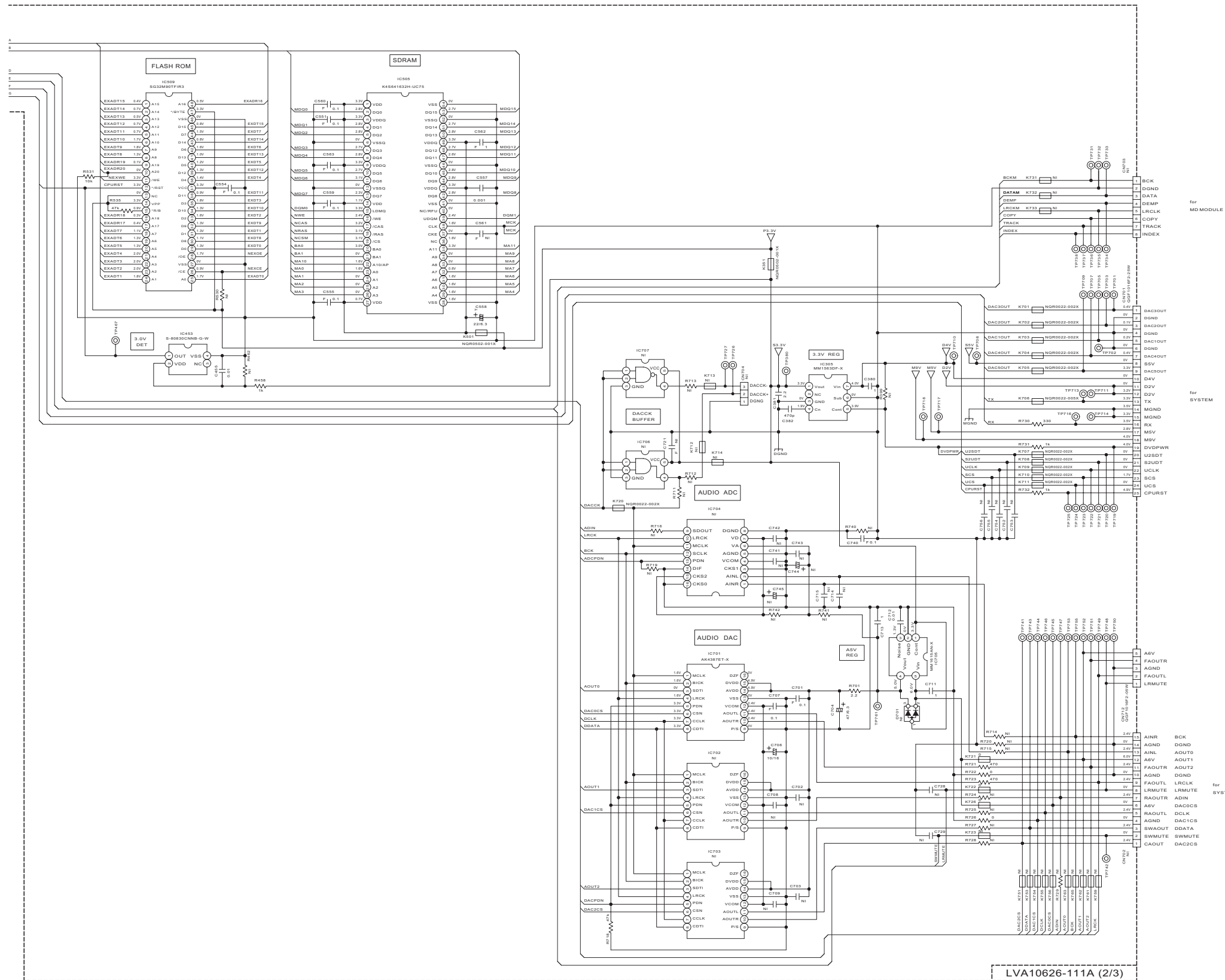
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

DVD section (1/3)



- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- A DVD disc in the Tray 1, 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 (Ω).
ALL CAPACITANCE VALUES ARE IN μF(p+pF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
 - NI STANDS FOR NOT INSERTED PARTS.

■ DVD section (2/3)



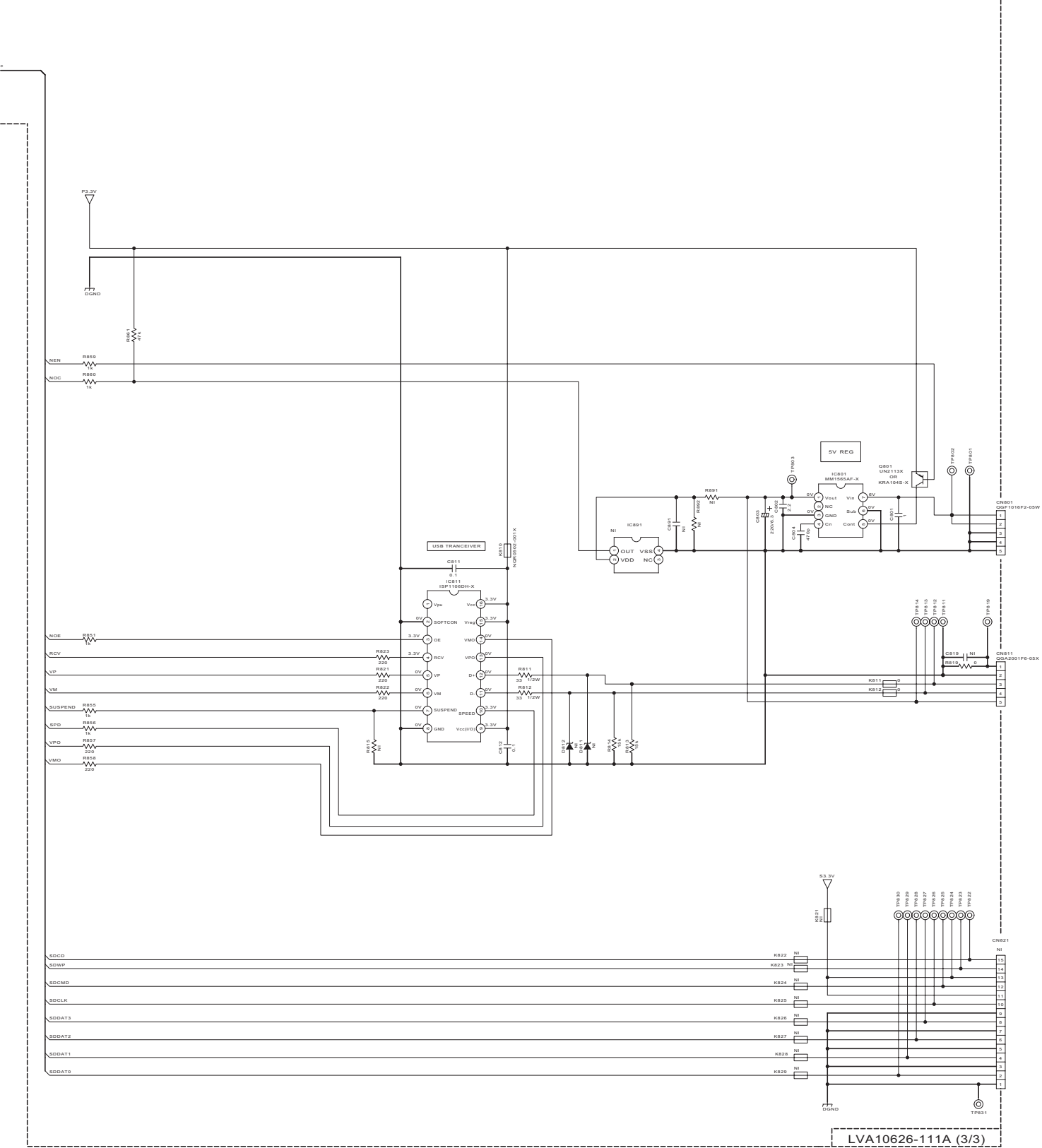
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- A DVD disc in the Tray 1, and STOP mode.

2. UNLESS OTHERWISE SPECIFIED:
 ALL RESISTORS ARE 1/16W $\pm 5\%$ 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(Ω).
 ALL CAPACITANCE VALUES ARE IN μ F(μ =P.F).
 ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(ϵ_r)/RATED VOLTAGE (V).
 ALL INDUCTANCE VALUES ARE IN μ H(m =mH).

3. NI STANDS FOR NOT INSERTED PARTS.

■ DVD section (3/3)



NOTES

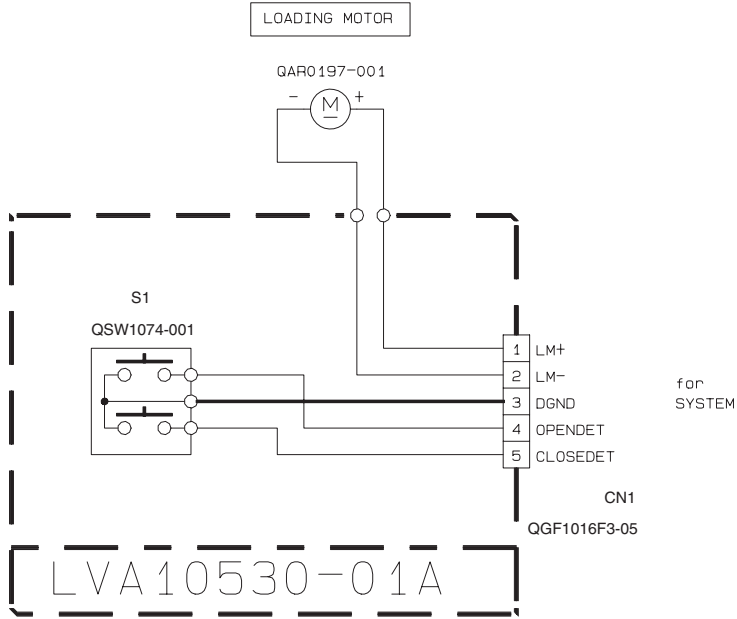
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
CONDITION --- A DVD disc in the Tray 1, and STOP mode.

2. 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(Ω).
ALL CAPACITANCE VALUES ARE IN pF(p-pF).
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
ALL INDUCTANCE VALUES ARE IN μH(m-mH).

3. NI STANDS FOR NOT INSERTED PARTS.

4. DIGITAL TRANSISTOR

■ Loader section

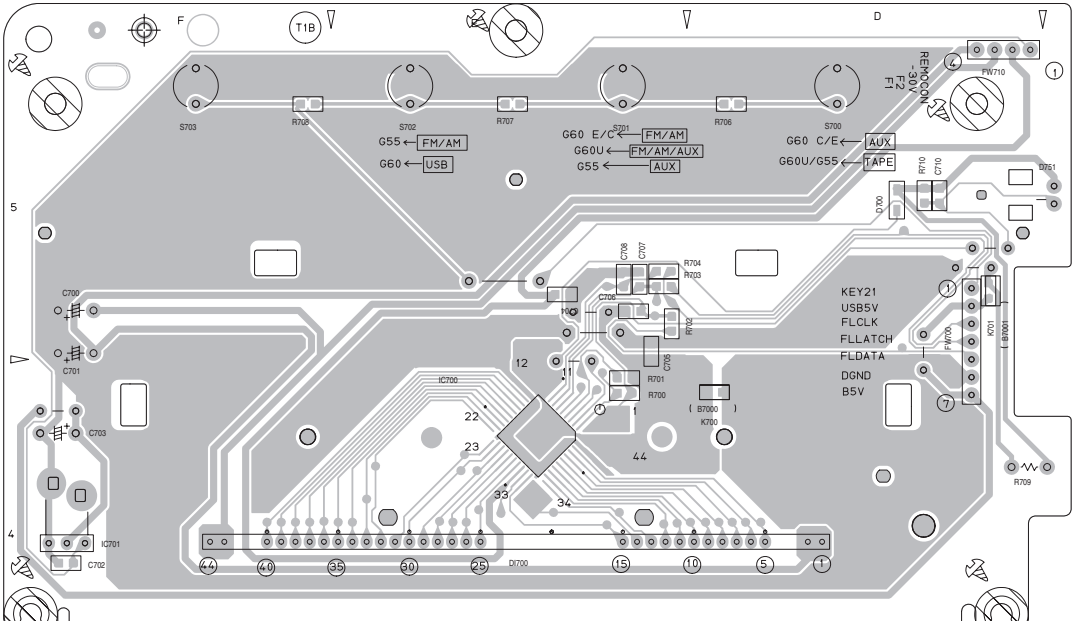


Printed circuit boards

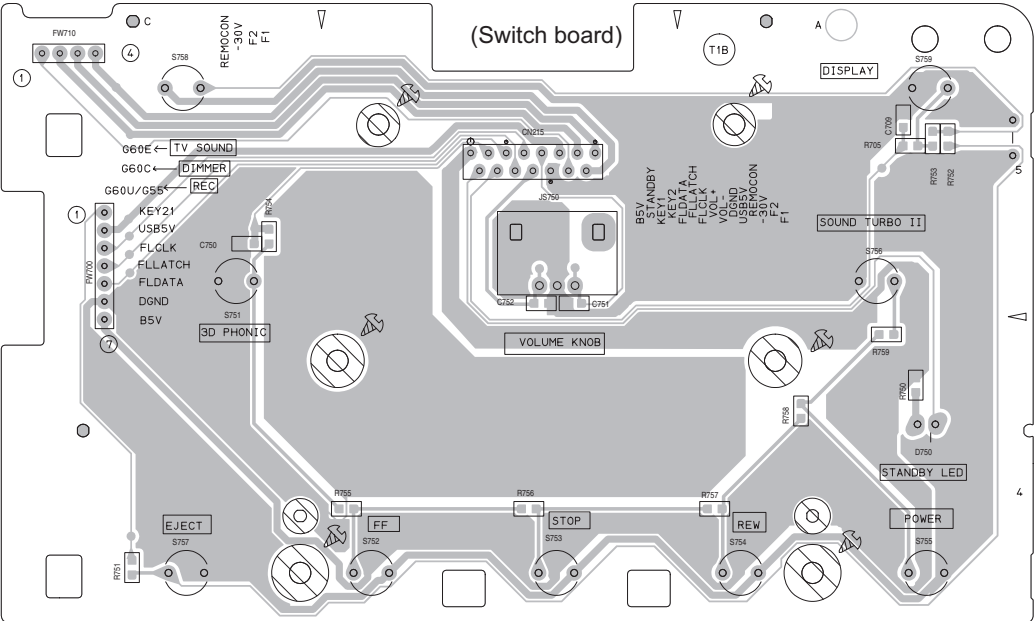
■ Main board

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

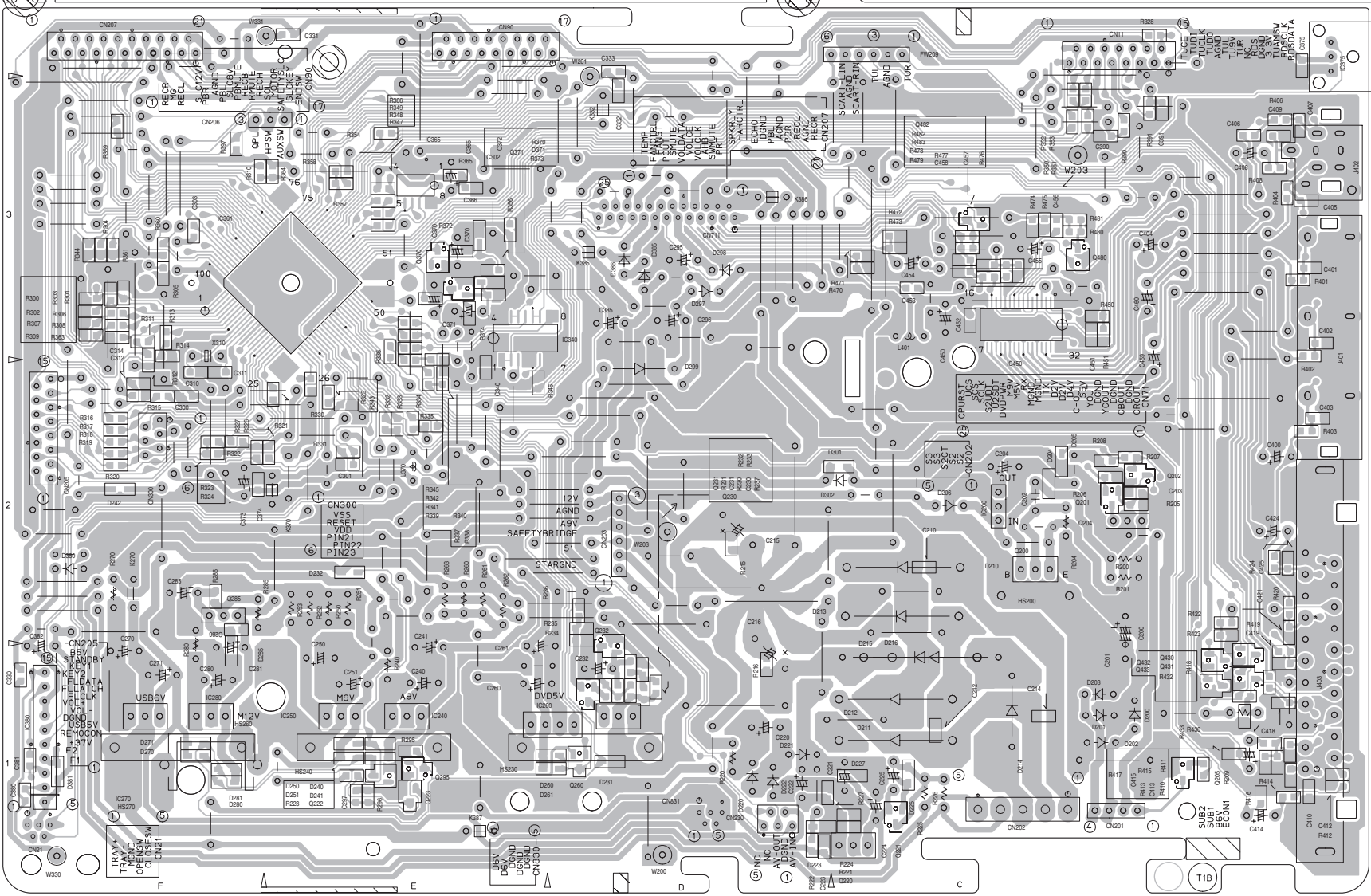
(FL board)



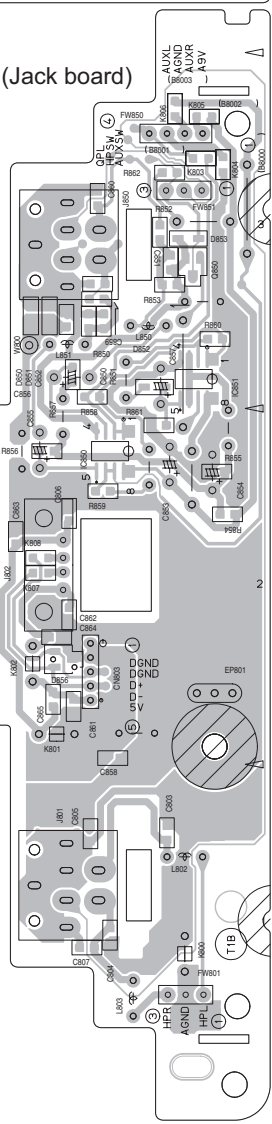
(Switch board)



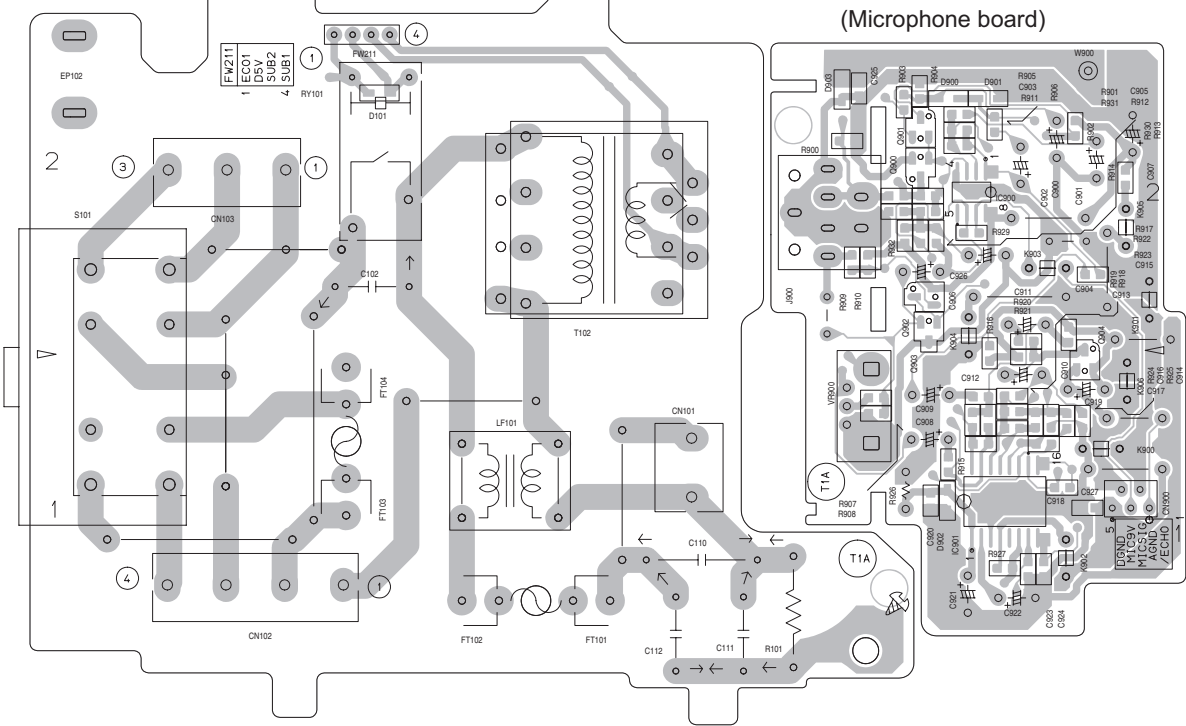
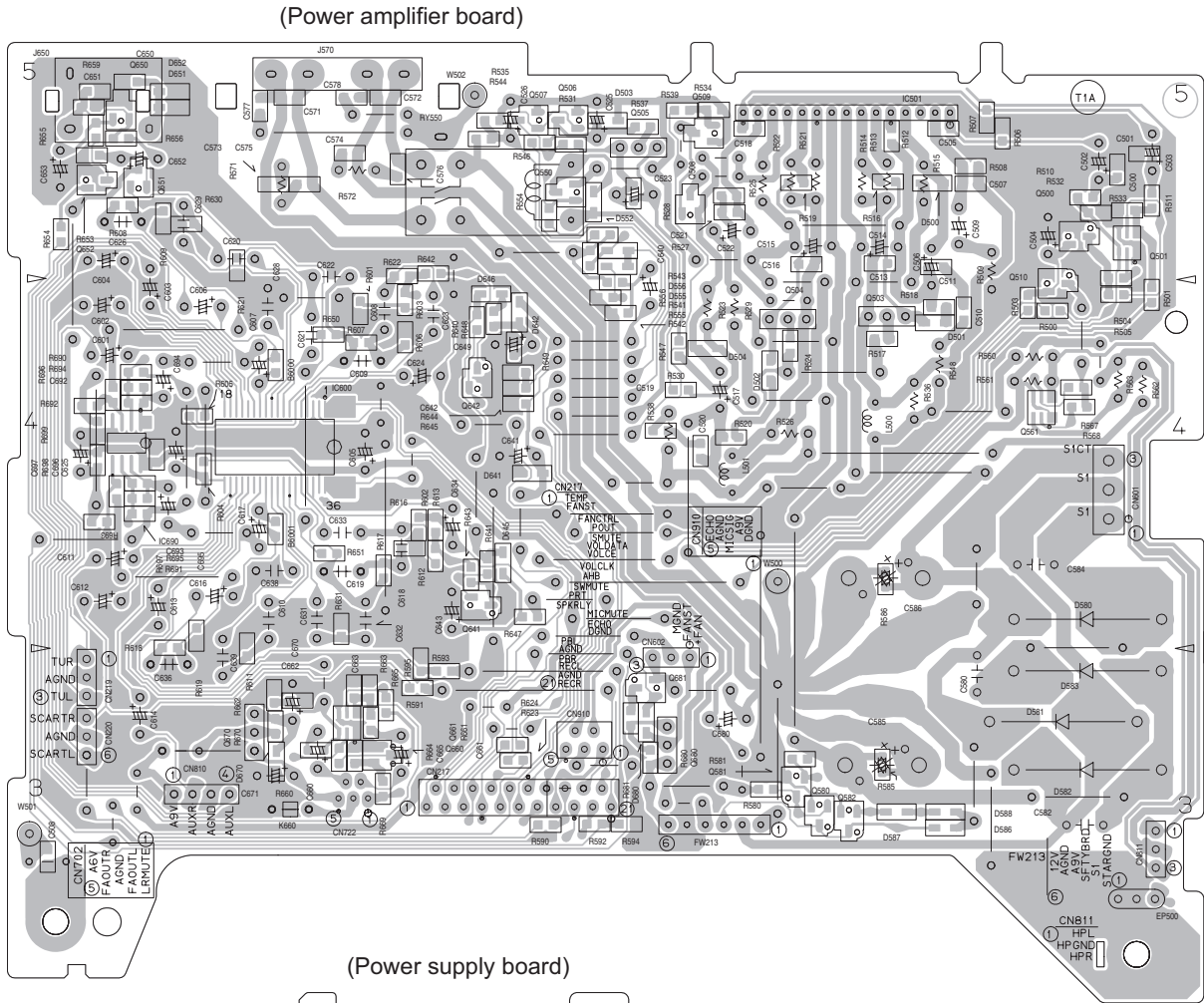
(Main board)



(Jack board)

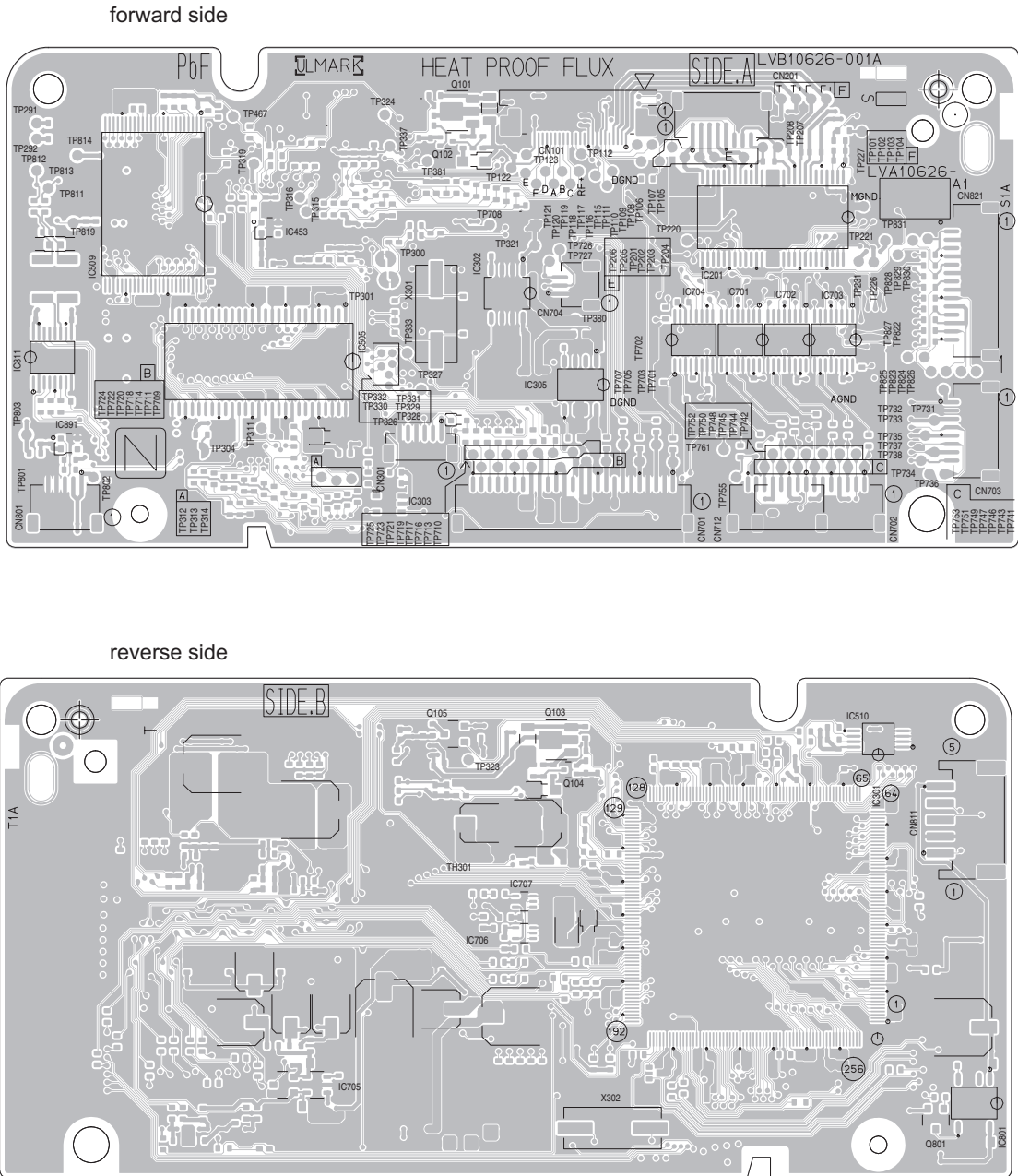


■ **Audio board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



(Microphone board)

■ **DVD 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-Ag-Cu, melting point : 219 Centigrade)





Victor Company of Japan, Limited

Audio/Video Systems Category 10-1, 1chome, Ohwatari-machi, Maebashi-city, 371-8543, Japan

(No.MB532SCH)



Printed in Japan
VPT

PARTS LIST

UX-G60A,UX-G60US,UX-G60UB,UX-G60UW
UX-G60UX,UX-G60UG,UX-G60UN

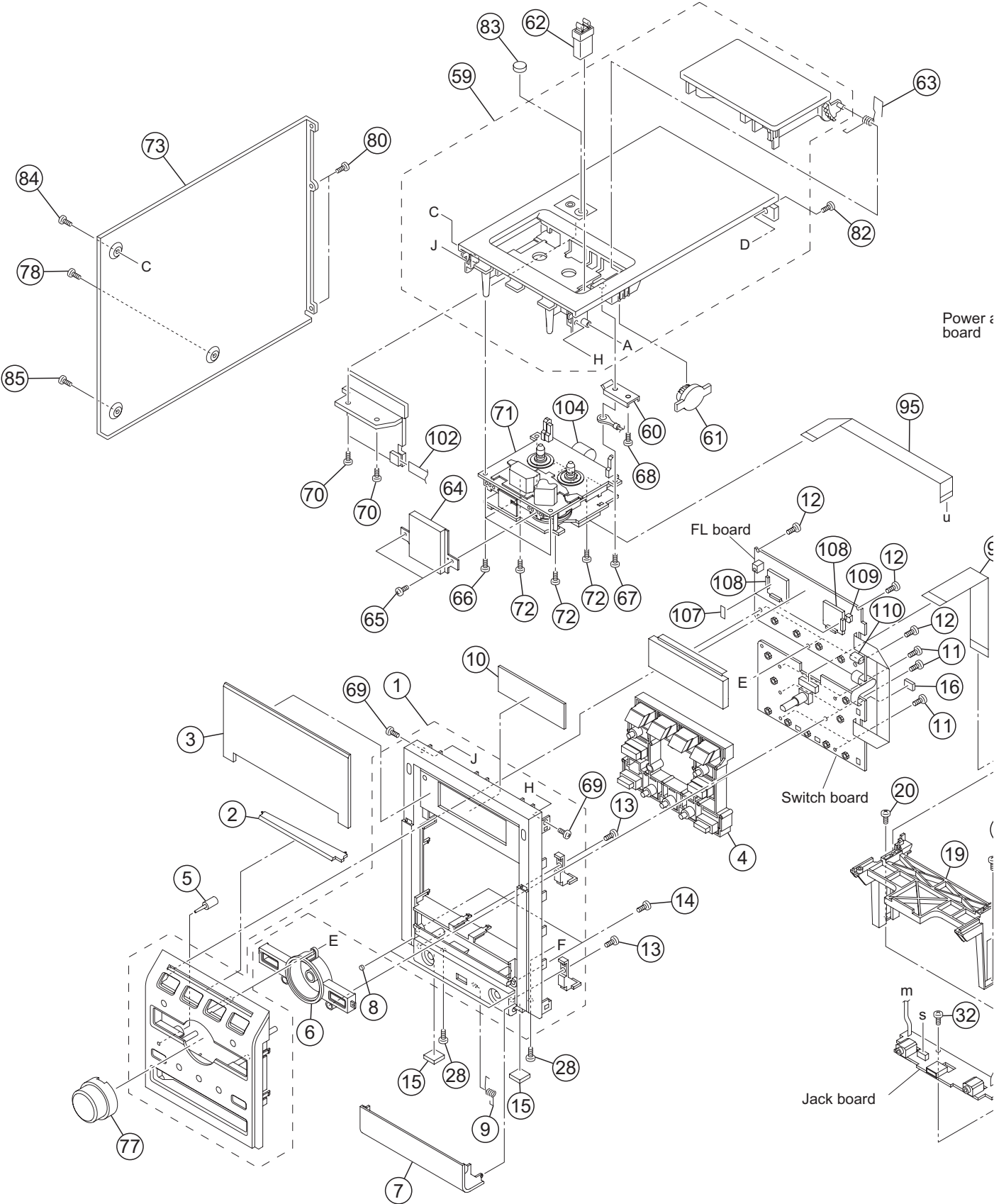
* All printed circuit boards and its assemblies are not available as service parts.

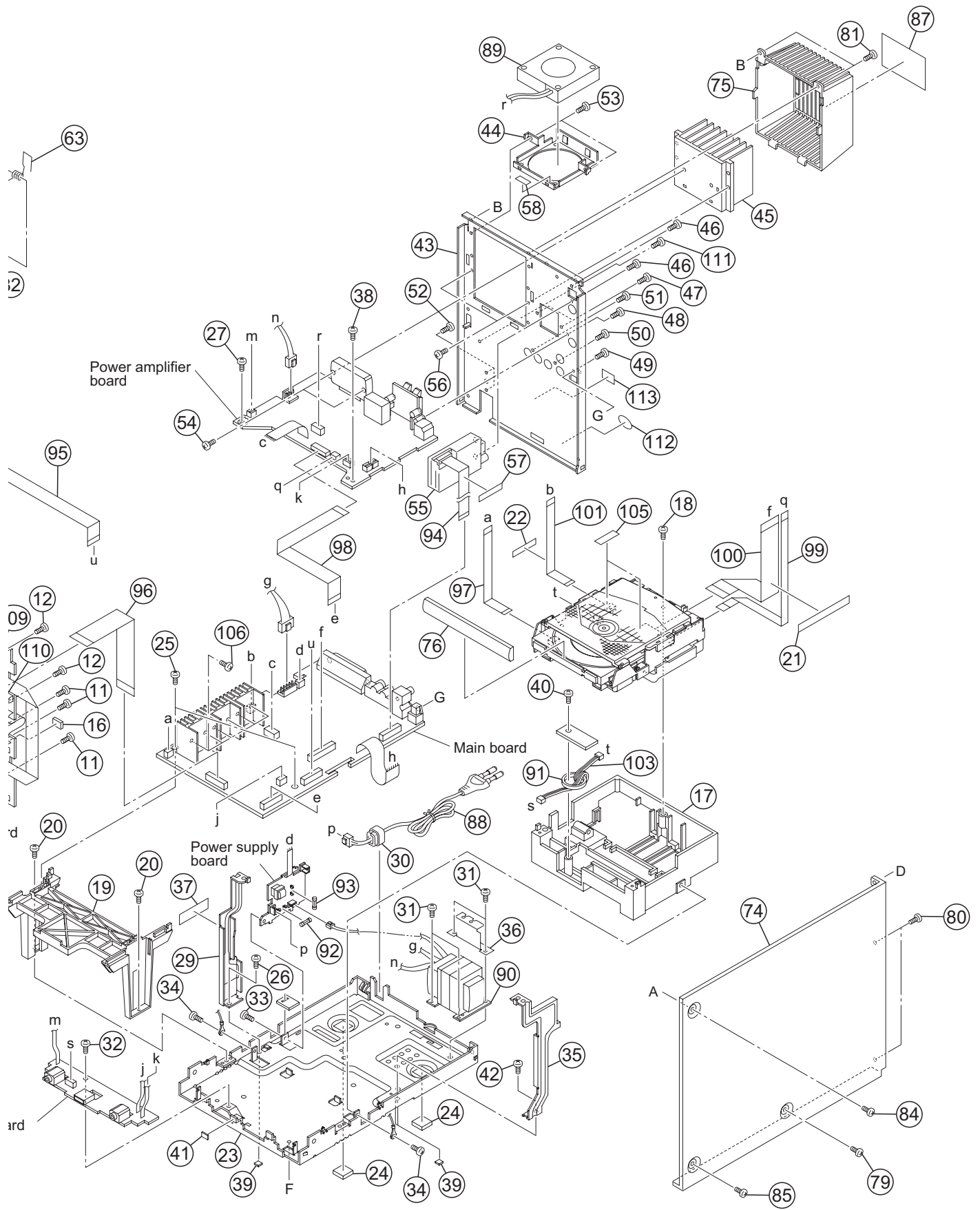
- Contents -

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DVD mechanism assembly and parts list (Block No.MJ)	3- 6
DVD loading base assembly and parts list (Block No.MN)	3- 8
Electrical parts list (Block No.01~04)	3-10
Packing materials and accessories parts list (Block No.M3)	3-18

Exploded view of general assembly and parts list

Block No. M 1 M M





General Assembly

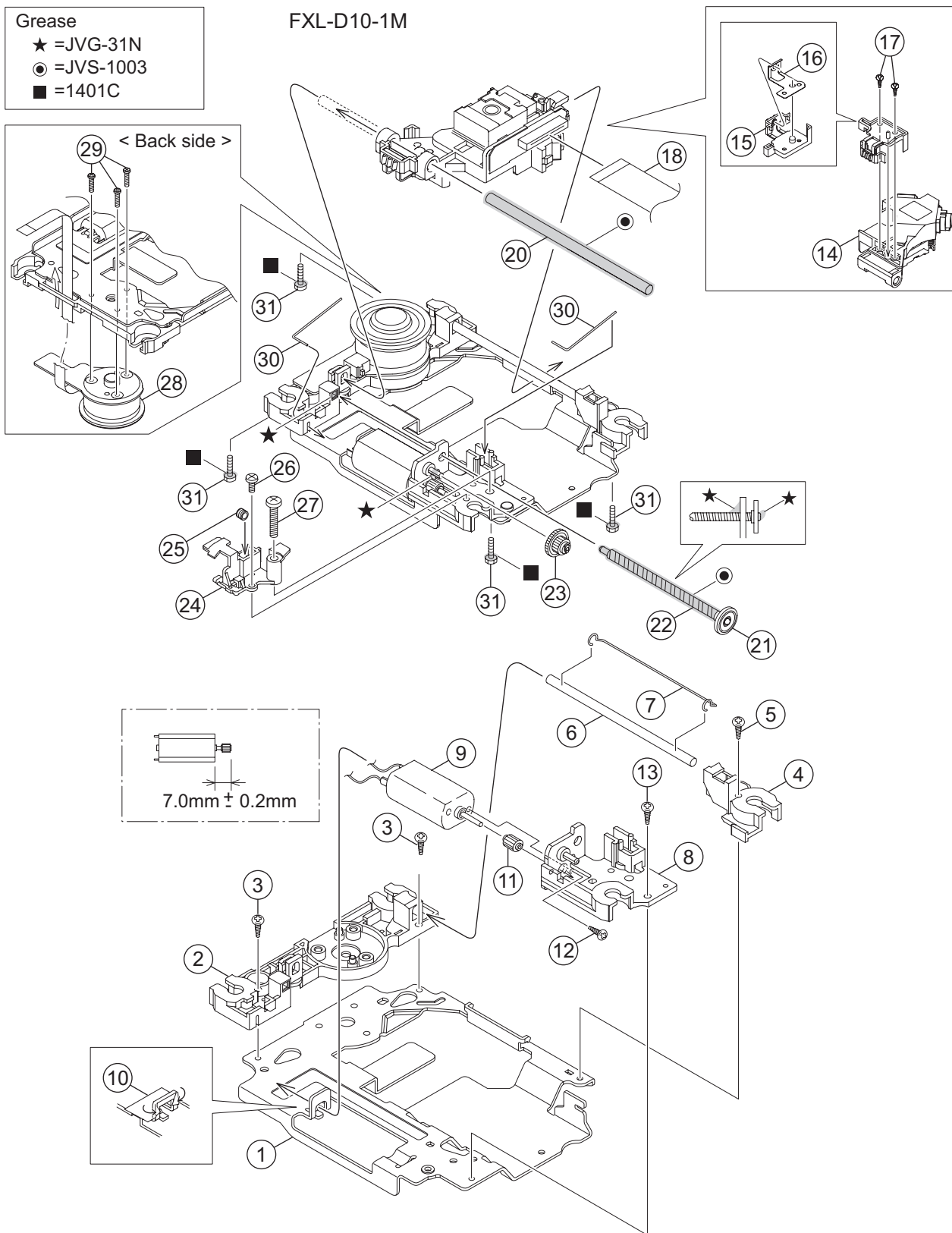
Block No. [M][1][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	1	GV20431-007A	F/PANEL ASSY		
	2	GV30844-001A	ILLUMI. LENS		
	3	GV30845-010A	FRONT LENS		
	4	GV20406-003A	BUTTON		
	5	GV40679-001A	STANDBY LENS		
	6	GV30846-001A	ORNAMENT		
	7	GV30847-004A	FRONT DOOR		
	8	E69897-002	CUSHION	(x2)	
	9	GV40685-004A	F DOOR SPRING		
	10	GV40678-002A	FL SCREEN		
	11	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x6)	
	12	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x5)	
	13	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	14	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	15	GV40313-002A	FELT SPACER	(x2)	
	16	GV30349-048A	SPACER		
	17	GV20407-001A	MECHA HOLDER A		
	18	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	19	GV20430-001A	MECHA HOLDER B		
	20	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	21	GV30349-047A	SPACER		
	22	GV30349-050A	SPACER		
	23	GV10304-001A	BTM CHASSIS		
	24	GV40313-002A	FELT SPACER	(x2)	
	25	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	26	QYSBST4006ZA	TAP SCREW	M4 x 6mm	
	27	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	28	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	29	GV30885-001A	BRACKET A		
△	30	QZW0033-001	STRAIN RELIEF		
	31	QYSBST4006ZA	TAP SCREW	M4 x 6mm(x4)	
	32	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	33	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	34	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	
	35	GV30915-001A	BRACKET B		
	36	GV30949-001A	PROTECT SHEET		
	37	GV30349-057A	SPACER		
	38	QYSBSGG3008EA	TAP SCREW	M3 x 8mm	
	39	GV40613-002A	SPACER	(x3)	
	40	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	41	GV30349-018A	SPACER		
	42	QYSBST4006ZA	TAP SCREW	M4 x 6mm	
	43	GV20410-009A	REAR PANEL		A
	43	GV20410-004A	REAR PANEL		US,UN
	43	GV20410-005A	REAR PANEL		UB
	43	GV20410-008A	REAR PANEL		UW
	43	GV20410-003A	REAR PANEL		UX,UG
	44	GV30850-001A	FAN BRACKET		
	45	GV30855-001A	HEAT SINK		
	46	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	47	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	48	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	49	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	50	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	51	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	
	52	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	US,UW,UX,UG,UN
	53	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x2)	
	54	QYSBSG3016ZA	TAP SCREW	M3 x 16mm(x2)	
	55	QAU0412-001	TUNER		
	56	QYSBSGY3010EA	TAP SCREW	M3 x 10mm(x2)	
	57	GV30349-057A	SPACER		
	58	GV30349-026A	SPACER		
	59	GV20415-002A	TOP COVER ASSY		A
	59	GV20415-001A	TOP COVER ASSY		US,UB,UW,UX,UG,UN
	60	LV43116-001A	MECHA BRACKET		
	61	GV40034-001A	DAMPER ASSY.		
	62	GV40220-001A	LACH		
	63	GV40705-001A	DOOR SPRING		
	64	GV30839-001A	HEAD SHIELD		
	65	QYSBST3006ZA	TAP SCREW	M3 x 6mm(x2)	
	66	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x3)	
	67	QYSBST3006ZA	TAP SCREW	M3 x 6mm	
	68	QYSBSG3010ZA	TAP SCREW	M3 x 10mm	
	69	QYSSSF3008ZA	TAP SCREW	M3 x 8mm(x2)	

△	Symbol No.	Part No.	Part Name	Description	Local
	70	QYSBSG3010ZA	TAP SCREW	M3 x 10mm(x2)	US,UB,UW,UX,UG,UN
	71	QAL0788-001	CASS.MECHANISM		
	72	QYSDSF2006ZA	TAP SCREW	M2 x 6mm(x3)	
	73	GV20416-001A	SIDE COVER L		
	74	GV20417-001A	SIDE COVER R		
	75	GV20408-002A	REAR COVER		
	76	GV30849-001A	TRAY FITTING		
	77	GV30580-001A	VOLUME KNOB		
	78	QYSDSG3010NA	TAP SCREW	M3 x 10mm	
	79	QYSDSG3010NA	TAP SCREW	M3 x 10mm	
	80	QYSBSGY3008EA	TAP SCREW	M3 x 8mm(x4)	
	81	QYSBSG3010EA	TAP SCREW	M3 x 10mm(x2)	
	82	QYSBSG3010EA	TAP SCREW	M3 x 10mm	
	83	GV40285-002A	MIC VOL KNOB		US,UB,UW,UX,UG,UN
	84	QYSDSG3010NA	TAP SCREW	M3 x 10mm(x2)	
	85	QYSDSG3010NA	TAP SCREW	M3 x 10mm(x2)	
	87	GV30857-004A	RATING LABEL		A
	87	GV30857-003A	RATING LABEL		US,UW,UN
	87	GV30857-006A	RATING LABEL		UB
	87	GV30857-005A	RATING LABEL		UX,UG
△	88	QMPG150-244-JC	POWER CORD(AST)	2.44m BLACK	A
△	88	QMPK200-200-JD	POWER CORD(EU)	2m BLACK	US,UW,UX,UG,UN
△	88	QMPN160-200-JD	POWER CORD(EU)	2m BLACK	UB
	89	QAR0392-001	FAN		
△	90	QQT0501-002	POWER TRANSF	T101	A,UB
△	90	QQT0501-001	POWER TRANSF	T101	US,UW,UX,UG,UN
	91	QQR1725-001	FERRITE RING		
△	92	QMF51W2-1R6-J8	FUSE	F101 1.6A AC250V	A,UB
△	92	QMF51W2-3R15-J8	FUSE	F101 3.15A AC250V	US,UW,UX,UG,UN
△	93	QMF51W2-1R6-J8	FUSE	F102 1.6A AC250V	US,UW,UX,UG,UN
	94	QUQU12-1116BJ-E	FFC WIRE	11pin 16cm	
	95	QUQU12-1709BJ-E	FFC WIRE	17pin 9cm	
	96	QUQU12-1509BJ-E	FFC WIRE	15pin 9cm	
	97	QUR110-0511AJ-E	FFC WIRE		
	98	QUQU12-2119BJ-E	FFC WIRE	21pin 19cm	
	99	QUR110-0524AJ-E	FFC WIRE		
	100	QUR110-2527AJ-E	FFC WIRE		
	101	QUR110-0516AJ-E	FFC WIRE		
	102	QUQU12-0508AJ-E	FFC WIRE	5pin 8cm	US,UB,UW,UX,UG,UN
	103	WJN0203-002A-E	FFC WIRE		
	104	QUQU12-0607BJ-E	FFC WIRE	6pin 7cm	
	105	GV30349-050A	SPACER	(x2)	
	106	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x6)	
	107	GV30349-048A	SPACER	(x2)	
	108	GV40680-001A	FL HOLDER A	(x2)	
	109	GV40683-001A	FL HOLDER B		
	110	GV40557-001A	LED HOLDER		
	111	QYSBSGY3008EA	TAP SCREW	M3 x 8mm	A,UB
	112	GV40642-001A	CAUTION LABEL		UW
	113	GV40641-001A	NOM LABEL		UW

DVD mechanism assembly and parts list

Block No. M J M M



DVD mechanism

Block No. [M][J][M][M]

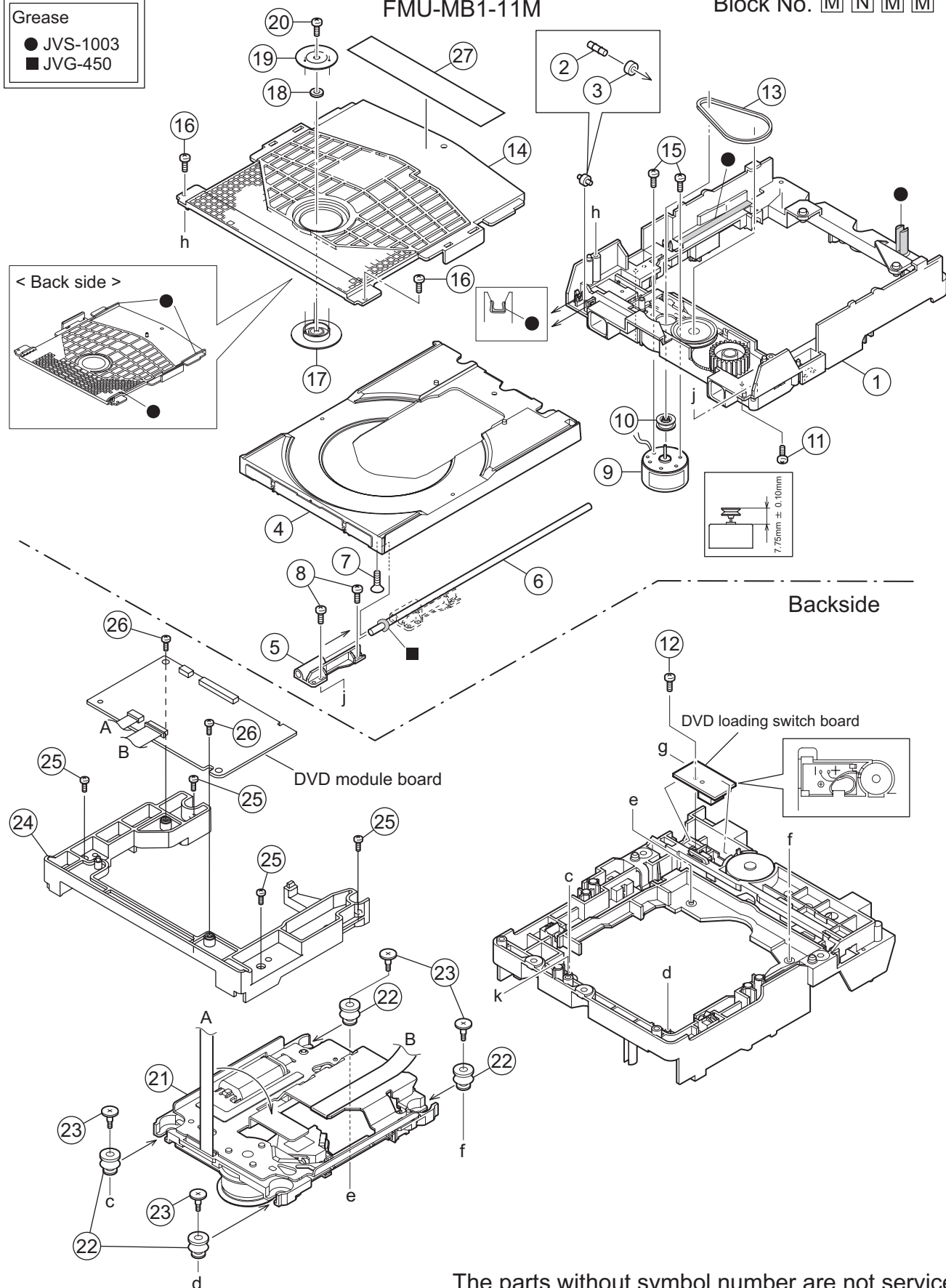
△	Symbol No.	Part No.	Part Name	Description	Local
1		LV22234-001A	TM.CHASSIS		
2		LV22235-001A	SPINDLE BASE		
3		QYSDST2005ZA	TAP SCREW	M2 x 5mm(x2)	
4		LV36555-001A	G.S.HOLDER		
5		QYSDST2005ZA	TAP SCREW	M2 x 5mm	
6		LV44041-002A	GUIDE SHAFT		
7		LV44479-001A	BAR SPRING		
8		LV22236-001A	FEED HOLDER		
9		QAR0165-001	FEED MOTOR		
10		LV30225-0X5A	SPACER		
11		LV36557-001A	F.M.GEAR		
12		QYSPSPT2030MA	SCREW	M2 x 3mm	
13		QYSDST2005ZA	TAP SCREW	M2 x 5mm	
14		QAL0786-002	P.UP		
15		LV22237-001A	RACK ARM		
16		LV36560-001A	RACK ARM SPRING		
17		QYSPSFU1740ZA	TAP SCREW	M1.7 x 4mm(x2)	
18		QUQK05-2415AC-E	FFC WIRE	24pin 15cm	
20		LV44041-002A	GUIDE SHAFT		
21		LV36559-001A	L.S.GEAR		
22		LV41517-003A	LEAD SCREW		
23		LV36558-001A	MIDDLE GEAR		
24		LV36556-001A	SPRING HOLDER		
25		LV44623-001A	COMP.SPRING		
26		QYSDST2005ZA	TAP SCREW	M2 x 5mm	
27		QYSDST2616MA	TAP SCREW	M2.6 x 16mm	
28		QAR0386-001	S.MOTOR		
29		QYSPSPU1775ZA	SCREW	M1.7 x 7.5mm(x3)	
30		LV44042-001A	ROD SPRING	(x2)	
31		LV44046-001A	ADJUST SCREW	(x4)	

DVD loading base assembly and parts list

Grease	
●	JVS-1003
■	JVG-450

FMU-MB1-11M

Block No. M N M M



The parts without symbol number are not service.

DVD loading base

Block No. [M][N][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
1		LV11065-004A	LOADER SUB ASSY		
2		E407140-001SS	C.D ROLLER		
3		E407149-001SS	RUBBER TUBE		
4		LV10979-002A	TRAY		
5		LV35499-001A	SHAFT GUIDE		
6		LV44022-001A	SHAFT		
7		QYSSSF2008ZA	TAP SCREW	M2 x 8mm	
8		QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
9		QAR0197-001	MOTOR		
9	or	QAR0280-001	LOADING MOTOR		
10		LV43844-002A	MOTOR PULLEY		
11		QYSPSPU1730ZA	SCREW	M1.7 x 3mm(x2)	
12		QYSDSF2008ZA	TAP SCREW	M2 x 8mm	
13		LV43974-001A	BELT		
14		LV21852-003A	CLAMPER BASE		
15		QYSDSF2008ZA	TAP SCREW	M2 x 8mm(x2)	
16		LV41741-004A	SPECIAL SCREW		
17		LV35056-002A	DVD CLAMPER		
18		LV42930-003A	P.C.MAGNET		
19		LV43848-001A	YOKE		
20		LE40906-002A	SPECIAL SCREW		
21		-----	SINGLE DVD TRAM		
22		LV44043-001A	INSULATOR	(x4)	
23		LV44044-001A	SPECIAL SCREW	(x4)	
24		LV11212-002A	CB HOLDER		
25		QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x4)	
26		LV44209-001A	WASHER SCREW	(x2)	
27		LV44603-001A	LASER CATION		

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
△ IC200	KIA78S06P-T	IC		
△ IC240	KIA7809API	IC		
△ IC250	KIA7809API	IC		
△ IC260	KIA278R05PI	IC		
△ IC270	KIA78D06PI-U/P	IC		
△ IC280	KIA7812API	IC		
IC301	MN101C49GFC1	IC		
IC340	SN74AHCT08NS-X	IC		
IC365	BR24L08F-W-X	IC(DIGITAL)		
IC375	GP1FAV30TK0F	OPT TRANSMITTER		
IC380	LB1641	IC		
IC450	BH7868FS-X	IC		
IC700	PT6315	IC		
IC701	GP1UM271XKVF	IR DETECT UNIT		
IC850	KIA4558F-X	IC		
IC851	KIA4558F-X	IC		
Q200	KTC2026/Y/	TRANSISTOR		US,UW,UX, UG,UN
Q205	KTC3875/YG/-X	TRANSISTOR		
Q220	KTA1046/Y/	TRANSISTOR		
Q221	KTC3875/YG/-X	TRANSISTOR		
Q222	KRC102S-X	DIGI TRANSISTOR		
Q223	KRA102S-X	DIGI TRANSISTOR		
△ Q230	KTA1046/Y/	TRANSISTOR		
Q231	KTC3875/YG/-X	TRANSISTOR		
Q232	KTC3875/YG/-X	TRANSISTOR		
Q260	KRC102S-X	DIGI TRANSISTOR		
Q295	KRC102S-X	DIGI TRANSISTOR		
Q370	KRC111S-X	TRANSISTOR		
Q371	KRC102S-X	DIGI TRANSISTOR		
Q850	KRC109S-X	TRANSISTOR		
△ D200	1N4003S-T5	SI DIODE		
△ D201	1N4003S-T5	SI DIODE		
△ D202	1N4003S-T5	SI DIODE		
△ D203	1N4003S-T5	SI DIODE		
D204	UDZW10B-X	Z DIODE		US,UW,UX, UG,UN
D206	1N4003S-T5	SI DIODE		
△ D210	1N5402M-20	SI DIODE		
△ D211	1N5402M-20	SI DIODE		
△ D212	1N5402M-20	SI DIODE		
△ D213	1N5402M-20	SI DIODE		
D215	1N5402M-20	SI DIODE		A,UB US,UW,UX, UG,UN
D216	6A10E2	SI DIODE		
D220	1N4003S-T5	SI DIODE		
D221	1N4003S-T5	SI DIODE		
D222	1N4003S-T5	SI DIODE		
D223	UDZW30B-X	Z DIODE		
D225	UDZW5.6B-X	Z DIODE		
D227	UDZW36B-X	Z DIODE		
D232	UDZW13B-X	Z DIODE		
D240	UDZW13B-X	Z DIODE		
D241	KDS4148U-X	DIODE		
D242	KDS4148U-X	DIODE		
D250	UDZW13B-X	Z DIODE		
D251	KDS4148U-X	DIODE		
D260	UDZW5.1B-X	SB DIODE		
D261	KDS4148U-X	DIODE		
D270	UDZW6.2B-X	Z DIODE		
D271	KDS4148U-X	DIODE		
D280	UDZW13B-X	Z DIODE		
D281	KDS4148U-X	DIODE		
D297	1N4003S-T5	SI DIODE		
D298	1N4003S-T5	SI DIODE		
D299	2A02-M	DIODE		
D301	KDS4148U-X	DIODE		
D370	UDZW4.3B-X	DIODE		
D371	KDS4148U-X	DIODE		
D380	1N4003S-T5	SI DIODE		

△ Symbol No.	Part No.	Part Name	Description	Local
D381	UDZW4.7B-X	Z DIODE		
D700	KDS4148U-X	DIODE		
D750	SLR-343VC-T	LED		
D751	SELU2E10C-P	LED		
D852	KDS4148U-X	DIODE		
C200	QEZ0797-108Z	E CAPACITOR	1000uF	A,UB US,UW,UX, UG,UN
C201	QEZ0798-477	E CAPACITOR	470uF	US,UW,UX, UG,UN
C202	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C204	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C210	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C212	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C214	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C215	QETM1EM-478	E CAPACITOR	4700uF 25V M	
C216	QETM1CM-688	E CAPACITOR	6800uF 16V M	
C220	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C221	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C222	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C224	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C225	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C230	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C231	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C241	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C251	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C261	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C271	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C281	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C295	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C296	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C300	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C301	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C302	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C310	NDC31HJ-200X	C CAPACITOR	20pF 50V J	
C311	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C312	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C314	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C340	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C365	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C370	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C371	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C373	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C374	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C375	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C380	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C381	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C382	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C385	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C400	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C404	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C406	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C408	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C450	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C451	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C452	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C453	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C454	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C455	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C456	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C457	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C458	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C459	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C460	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C702	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C703	QKCC1CM-226Z	E CAPACITOR	22uF 16V M	
C704	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C705	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C710	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C751	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C752	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C803	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C850	NCB31HK-471X	C CAPACITOR	470pF 50V K	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C851	NCB31HK-471X	C CAPACITOR	470pF 50V K		R347	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C853	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R348	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C854	QETN1CM-476Z	E CAPACITOR	47uF 16V M		R349	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C855	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C856	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M		R351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C857	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C859	NCB31HK-331X	C CAPACITOR	330pF 50V K		R353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C860	NCB31HK-331X	C CAPACITOR	330pF 50V K		R356	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C865	NDC31HJ-150X	C CAPACITOR	15pF 50V J		R357	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R200	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	US,UW,UX, UG,UN	R358	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	US,UW,UX, UG,UN	R359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R204	QRZ9042-2R2X	F RESISTOR	2.2Ω	US,UW,UX, UG,UN	R360	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R220	QRJ146J-4R7X	UNF C RESISTOR	4.7Ω 1/4W J		R363	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R221	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R222	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		R366	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R223	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R370	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R372	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R225	QRK126J-470X	UNF C RESISTOR	47Ω 1/2W J		R374	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R226	QRK126J-470X	UNF C RESISTOR	47Ω 1/2W J		R390	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R227	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R391	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R397	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R231	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R232	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J		R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R233	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J		R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R234	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R404	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R406	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R236	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R237	NRSA63J-622X	MG RESISTOR	6.2kΩ 1/16W J		R451	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R300	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R470	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UW,UX,UG	R472	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R303	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,US,UB,UN	R474	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R303	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	UW	R476	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R303	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	UX,UG	R478	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R304	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,US,UB,UX, UG,UN	R701	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R305	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	UW	R702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R704	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R309	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R705	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R310	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R706	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R707	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R312	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R708	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R709	QRJ146J-820X	UNF C RESISTOR	82Ω 1/4W J	
R314	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R710	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R315	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R750	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R751	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R317	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R752	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R318	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R319	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R754	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R320	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R755	NRSA63J-162X	MG RESISTOR	1.6kΩ 1/16W J	
R321	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R756	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R757	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R323	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R758	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R324	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R759	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R325	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R850	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R851	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R327	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R852	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R853	NRSA63J-433X	MG RESISTOR	43kΩ 1/16W J	
R331	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R854	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R332	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R855	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R856	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R334	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R857	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R858	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R336	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R859	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R337	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		R860	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R338	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R861	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R339	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		CN11	QGF1205C2-11	CONNECTOR	FFC/FPC (1-11)	
R340	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN21	QGF1036C2-05	CONNECTOR	FFC/FPC (1-5)	
R341	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN90	QGF1205C2-17	CONNECTOR	FFC/FPC (1-17)	
R342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN201	QGD2504C1-04Z	CONNECTOR	(1-4)	
R343	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		CN202	QGA3901C1-05	CONNECTOR	W-B (1-5)	
R344	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN203	QGD2501C1-06Z	CONNECTOR	(1-6)	
R345	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J		CN205	QGF1205C2-15	CONNECTOR	FFC/FPC (1-15)	
R346	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN206	QGD2504C1-03Z	CONNECTOR	(1-3)	
					CN207	QGF1205C2-21	CONNECTOR	FFC/FPC (1-21)	
					CN215	QGF1205F2-15	CONNECTOR	FFC/FPC (1-15)	
					CN230	QGF1205F2-05	CONNECTOR	FFC/FPC (1-5)	

△ Symbol No.	Part No.	Part Name	Description	Local
CN711	QGF1036C2-25	CONNECTOR	FFC/FPC (1-25)	
CN803	QGA2001C1-05	CONNECTOR	W-B (1-5)	
CN831	QGF1036C2-05	CONNECTOR	FFC/FPC (1-5)	
DI700	QLF0166-001	FL TUBE		
EP801	QNZ0136-001Z	EARTH PLATE		
FW209	QUM153-11DGZ4-E	WIRE		
FW700	QUM027-15Z4Z4-E	WIRE		
FW710	QUM024-06Z4Z4-E	WIRE		
FW801	QUM153-30DGZ4-E	WIRE		
FW850	QUM024-30DGZ4-E	WIRE		
FW851	QUM023-20DGZ4-E	WIRE		
HS200	GV40577-001A	HEAT SINK		US,UW,UW, UG,UN
HS230	GV40620-006A	HEAT SINK		
HS240	GV40620-006A	HEAT SINK		
HS270	GV40620-006A	HEAT SINK		
J401	QNN0572-001	PIN JACK		
J402	QNN0557-002	PIN JACK		
J801	QNS0173-002	HEADPHONE JACK		
J802	QNZ0851-001	USB CONNECTOR		
J850	QNS0173-002	HEADPHONE JACK		
JS750	QSW0857-001	ROTARY SW		
K385	QQR0621-001Z	COIL		
K801	QQR0621-001Z	COIL		
K803	NQR0505-001X	RES. C.M		
K804	NQR0505-001X	RES. C.M		
K805	NQR0505-001X	RES. C.M		
K806	NQR0505-001X	RES. C.M		
K807	NQR0505-006X	FERRITE		
K808	NQR0505-006X	FERRITE		
S700	QSW0683-001Z	PUSH SW I.M		
S701	QSW0683-001Z	PUSH SW I.M		
S702	QSW0683-001Z	PUSH SW I.M		
S703	QSW0683-001Z	PUSH SW I.M		
S751	QSW0683-001Z	PUSH SW I.M		
S752	QSW0683-001Z	PUSH SW I.M		
S753	QSW0683-001Z	PUSH SW I.M		
S754	QSW0683-001Z	PUSH SW I.M		
S755	QSW0683-001Z	PUSH SW I.M		
S756	QSW0683-001Z	PUSH SW I.M		
S757	QSW0683-001Z	PUSH SW I.M		
S758	QSW0683-001Z	PUSH SW I.M		
S759	QSW0683-001Z	PUSH SW I.M		
X310	QAX0711-002Z	CRYSTAL	8.000000MHz	

Power board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local
△ IC501	STK432-070	IC		
IC600	LC75345M-X	IC		
IC690	KIA4558F-X	IC		US,UB,UW, UX,UG,UN
IC900	KIA4558F-X	IC		US,UB,UW, UX,UG,UN
IC901	PT2399-S-W	ECHO IC		US,UB,UW, UX,UG,UN
Q500	KRA102S-X	DIGI TRANSISTOR		
Q501	IMX9-W	TRANSISTOR		
Q503	KTA1268/GL/-T	TRANSISTOR		
Q504	KTA1268/GL/-T	TRANSISTOR		
Q505	KTC3200/GL/-T	TRANSISTOR		
Q506	KTC3875/YG/-X	TRANSISTOR		
Q507	KTA1504/YG/-X	TRANSISTOR		
Q510	KRA102S-X	DIGI TRANSISTOR		
Q550	KTC3875/YG/-X	TRANSISTOR		
Q561	IMX9-W	TRANSISTOR		
Q580	KTC3875/YG/-X	TRANSISTOR		
Q581	KRA102S-X	DIGI TRANSISTOR		
Q641	KTC3875/YG/-X	TRANSISTOR		
Q642	KTC3875/YG/-X	TRANSISTOR		
Q650	KTC2875-X	CHIP TR.		
Q651	KTC3875/YG/-X	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q652	KRA102S-X	DIGI TRANSISTOR		
Q660	KRA111S-X	D. TRANSISTOR		
Q661	IMX9-W	TRANSISTOR		
Q680	KTA1271/OY/-T	TRANSISTOR		
Q681	KRC111S-X	TRANSISTOR		
Q900	KTC3875/YG/-X	TRANSISTOR		US,UB,UW, UX,UG,UN
Q901	KTC3875/YG/-X	TRANSISTOR		US,UB,UW, UX,UG,UN
Q904	KRC102S-X	DIGI TRANSISTOR		US,UB,UW, UX,UG,UN
D101	KDS4148U-X	DIODE		
△ D500	UDZW9.1B-X	Z DIODE		
D501	KDS4148U-X	DIODE		
D502	KDS4148U-X	DIODE		
D503	KDS4148U-X	DIODE		
△ D504	UDZW9.1B-X	Z DIODE		
D552	KDS4148U-X	DIODE		
D555	KDS4148U-X	DIODE		
D556	KDS4148U-X	DIODE		
△ D580	1N5402M-20	SI DIODE		
△ D581	1N5402M-20	SI DIODE		
△ D582	1N5402M-20	SI DIODE		
△ D583	1N5402M-20	SI DIODE		
D586	KDS4148U-X	DIODE		
D641	UDZW5.1B-X	SB DIODE		
D642	KDS4148U-X	DIODE		
D645	KDS4148U-X	DIODE		
D646	KDS4148U-X	DIODE		
D651	KDS4148U-X	DIODE		
D652	KDS4148U-X	DIODE		
D900	KDS4148U-X	DIODE		US,UB,UW, UX,UG,UN
D901	KDS4148U-X	DIODE		US,UB,UW, UX,UG,UN
D902	UDZW5.1B-X	SB DIODE		US,UB,UW, UX,UG,UN
△ C102	QCZ9105-472	C CAPACITOR	4700pF 250V M	
△ C111	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
△ C112	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
C500	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C501	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C502	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C503	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C504	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C505	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C506	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C507	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C509	QETN1JM-476Z	E CAPACITOR	47uF 63V M	
C510	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C511	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C518	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C519	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C521	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
C522	QETN1JM-476Z	E CAPACITOR	47uF 63V M	
C523	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C525	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C526	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C577	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C578	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C580	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C582	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C584	QFNC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C585	QEZO808-478	E CAPACITOR	4700uF	
C586	QEZO808-478	E CAPACITOR	4700uF	
C601	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C602	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C603	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C604	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C605	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C606	QTE1V06-106Z	E CAPACITOR	10uF 35V	US,UB,UW, UX,UG,UN
C607	QETN1HM-106Z	E CAPACITOR	10uF 50V M	A
C607	QTE1V06-106Z	E CAPACITOR	10uF 35V	US,UB,UW, UX,UG,UN

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C608	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J		C915	NCB31HK-561X	C CAPACITOR	560pF 50V K	US,UB,UW, UX,UG,UN
C610	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		C916	NCB31HK-332X	C CAPACITOR	3300pF 50V K	US,UB,UW, UX,UG,UN
C611	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C917	NCB31HK-823X	C CAPACITOR	0.082uF 50V K	US,UB,UW, UX,UG,UN
C612	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C918	NCB31HK-823X	C CAPACITOR	0.082uF 50V K	US,UB,UW, UX,UG,UN
C613	QTE1V06-106Z	E CAPACITOR	10uF 35V		C920	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	US,UB,UW, UX,UG,UN
C614	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		C921	QETN1CM-107Z	E CAPACITOR	100uF 16V M	US,UB,UW, UX,UG,UN
C616	QTE1V06-106Z	E CAPACITOR	10uF 35V	US,UB,UW, UX,UG,UN	C922	QETN1EM-476Z	E CAPACITOR	47uF 25V M	US,UB,UW, UX,UG,UN
C617	QETN1HM-106Z	E CAPACITOR	10uF 50V M	A	C923	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	US,UB,UW, UX,UG,UN
C617	QTE1V06-106Z	E CAPACITOR	10uF 35V	US,UB,UW, UX,UG,UN	C924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	US,UB,UW, UX,UG,UN
C618	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J		C926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	US,UB,UW, UX,UG,UN
C620	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		C927	NCB31HK-102X	C CAPACITOR	1000pF 50V K	US,UB,UW, UX,UG,UN
C621	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J		R500	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C622	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J		R501	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
C623	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J		R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C624	QTE1H28-226Z	E CAPACITOR	22uF 50V		R504	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C625	QETN1CM-107Z	E CAPACITOR	100uF 16V M		R505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C628	QFLC1HJ-122Z	M CAPACITOR	1200pF 50V J		R506	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C629	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R507	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C631	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J		R508	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C632	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J		R509	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
C633	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J		R510	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C634	QTE1H28-226Z	E CAPACITOR	22uF 50V		R511	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C638	QFLC1HJ-122Z	M CAPACITOR	1200pF 50V J		R512	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
C639	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J		R513	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
C640	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M		R514	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
C641	QETN1EM-476Z	E CAPACITOR	47uF 25V M		R515	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
C642	NCB31AK-154X	C CAPACITOR	0.15uF 10V K		R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C643	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C649	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R518	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C650	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R519	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
C651	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R520	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
C652	QETN1HM-226Z	E CAPACITOR	22uF 50V M		R521	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
C653	QETN1HM-105Z	E CAPACITOR	1uF 50V M		R522	QRT01DJ-R22X	MF RESISTOR	0.22Ω 1W J	
C660	QTE1V06-106Z	E CAPACITOR	10uF 35V		R523	QRJ146J-101X	UNF C RESISTOR	100Ω 1/4W J	
C661	QTE1V06-106Z	E CAPACITOR	10uF 35V		R524	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C662	NCB31HK-391X	C CAPACITOR	390pF 50V K		R525	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C663	NCB31HK-391X	C CAPACITOR	390pF 50V K		△ R526	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C665	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R527	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C680	QETN1HM-106Z	E CAPACITOR	10uF 50V M		R528	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
C692	NDC31HJ-100X	C CAPACITOR	10pF 50V J	US,UB,UW, UX,UG,UN	R529	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
C693	NDC31HJ-100X	C CAPACITOR	10pF 50V J	US,UB,UW, UX,UG,UN	R530	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C694	QTE1V06-106Z	E CAPACITOR	10uF 35V	US,UB,UW, UX,UG,UN	R531	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C695	QTE1V06-106Z	E CAPACITOR	10uF 35V	US,UB,UW, UX,UG,UN	R535	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C697	QETN1CM-107Z	E CAPACITOR	100uF 16V M	US,UB,UW, UX,UG,UN	R536	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C900	QETN1HM-336Z	E CAPACITOR	33uF 50V M	US,UB,UW, UX,UG,UN	R537	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C901	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	US,UB,UW, UX,UG,UN	R538	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C902	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	US,UB,UW, UX,UG,UN	R541	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C903	NDC31HJ-470X	C CAPACITOR	47pF 50V J	US,UB,UW, UX,UG,UN	R542	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
C904	NCB31AK-105X	C CAPACITOR	1uF 10V K	US,UB,UW, UX,UG,UN	R543	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
C905	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	US,UB,UW, UX,UG,UN	R544	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C906	QETN1HM-224Z	E CAPACITOR	0.22uF 50V M	US,UB,UW, UX,UG,UN	R546	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
C907	QETN1CM-107Z	E CAPACITOR	100uF 16V M	US,UB,UW, UX,UG,UN	△ R547	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
C908	QETN1HM-106Z	E CAPACITOR	10uF 50V M	US,UB,UW, UX,UG,UN	R554	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
C909	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	US,UB,UW, UX,UG,UN	R555	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C910	NCB31HK-392X	C CAPACITOR	3900pF 50V K	US,UB,UW, UX,UG,UN	R556	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
C911	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	US,UB,UW, UX,UG,UN	R560	QRJ146J-821X	UNF C RESISTOR	820Ω 1/4W J	
C912	QETN1HM-106Z	E CAPACITOR	10uF 50V M	US,UB,UW, UX,UG,UN	R561	QRJ146J-821X	UNF C RESISTOR	820Ω 1/4W J	
C913	NCB31HK-561X	C CAPACITOR	560pF 50V K	US,UB,UW, UX,UG,UN	R562	QRJ146J-821X	UNF C RESISTOR	820Ω 1/4W J	
C914	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	US,UB,UW, UX,UG,UN	R563	QRJ146J-821X	UNF C RESISTOR	820Ω 1/4W J	
					R567	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R568	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
					R580	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
					R581	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
					R585	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
					R586	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
					R590	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R591	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J		R911	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	US, UB, UW, UX, UG, UN
R592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R912	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R913	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R914	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	US, UB, UW, UX, UG, UN
R602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R915	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	US, UB, UW, UX, UG, UN
R603	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		R916	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	US, UB, UW, UX, UG, UN
R604	NRSA63J-244X	MG RESISTOR	240kΩ 1/16W J		R917	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	US, UB, UW, UX, UG, UN
R605	NRSA63J-244X	MG RESISTOR	240kΩ 1/16W J		R918	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R611	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R919	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R612	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R920	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R613	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		R921	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	US, UB, UW, UX, UG, UN
R621	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R922	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	US, UB, UW, UX, UG, UN
R622	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R923	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R623	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R924	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R624	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R925	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R630	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J		R926	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	US, UB, UW, UX, UG, UN
R631	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J		R927	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	US, UB, UW, UX, UG, UN
R640	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R929	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R641	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R930	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	US, UB, UW, UX, UG, UN
R642	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R931	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R643	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R932	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN
R644	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		VR900	QVQ0306-B24	V RESISTOR		US, UB, UW, UX, UG, UN
R645	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		L500	QQLZ035-R39	COIL	0.39uH	
R647	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J		L501	QQLZ035-R39	COIL	0.39uH	
R648	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		△ T102	QQT0253-002	POWER TRANSF		A, UB
R649	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		△ T102	QQT0370-012	POWER TRANSF		US, UW, UX, UG, UN
R650	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		△ CN101	QGA7901C1-02	CONNECTOR	W-B (1-2)	
R651	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		△ CN102	QGA7901C1-03	CONNECTOR	W-B (1-3)	A, UB
R653	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		△ CN102	QGA7901C1-04	CONNECTOR	W-B (1-4)	US, UW, UX, UG, UN
R654	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		△ CN103	QGA7901C1-03	CONNECTOR	W-B (1-3)	US, UW, UX, UG, UN
R655	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		CN217	QGF1205F2-21	CONNECTOR	FFC/FPC (1-21)	
R656	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		CN219	QGD2504C1-03Z	CONNECTOR	(1-3)	
R659	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		CN601	QGA3901C1-03	CONNECTOR	W-B (1-3)	
R660	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		CN602	QGA2501C1-03	CONNECTOR	W-B (1-3)	
R661	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J		CN722	QGF1036F2-05	CONNECTOR	FFC/FPC (1-5)	
R662	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN810	QGD2504C1-04Z	CONNECTOR	(1-4)	
R663	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		CN811	QGD2504C1-03Z	CONNECTOR	(1-3)	
R664	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN900	QGF1205F2-05	CONNECTOR	FFC/FPC (1-5)	US, UB, UW, UX, UG, UN
R665	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN910	QGF1205C2-05	CONNECTOR	FFC/FPC (1-5)	US, UB, UW, UX, UG, UN
R669	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		EP102	E409182-001SM	GRAND TERMINAL		A, UB
R680	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		EP500	QNZ0136-001Z	EARTH PLATE		
R681	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		△ FT101	QNG0003-001Z	FUSE CLIP		
R690	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	△ FT102	QNG0003-001Z	FUSE CLIP		
R691	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	△ FT103	QNG0003-001Z	FUSE CLIP		US, UW, UX, UG, UN
R692	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	△ FT104	QNG0003-001Z	FUSE CLIP		US, UW, UX, UG, UN
R693	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	FW211	QUM154-07DGZ4-E WIRE			
R694	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	FW213	QUM156-07DGZ4-E FLATWIRE			
R695	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	J570	QNB0181-001	SPK TERMINAL		
R696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	J650	QNN0284-001	PIN JACK		
R697	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	US, UB, UW, UX, UG, UN	J900	QNS0173-001	JACK		US, UB, UW, UX, UG, UN
R698	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R699	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R900	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R901	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R904	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R905	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R906	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R907	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	US, UB, UW, UX, UG, UN					
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	US, UB, UW, UX, UG, UN					

△ Symbol No.	Part No.	Part Name	Description	Local
K901	QQR0621-001Z	COIL		US,UB,UW, UX,UG,UN
K902	QQR0621-001Z	COIL		US,UB,UW, UX,UG,UN
K906	QQR0621-001Z	COIL		US,UB,UW, UX,UG,UN
△ RY101	QSK0129-002	RELAY		
RY550	QSK0127-001	RELAY		
△ S101	QSW0812-001	VOLTAGE SWITCH		US,UW,UX, UG,UN

Connector board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
CN1	QGF1016F3-05	CONNECTOR	FFC/FPC (1-5)	
S1	QSW1074-001	DETECT SWITCH		

DVD module board

Block No. [0][4]

△ Symbol No.	Part No.	Part Name	Description	Local
IC201	LA6502-X	IC		
IC301	MN2DS0016AA	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	-----	IC(MICRO C ROM)		
IC510	BR24L16FV-W-X	IC		
IC701	AK4387ET-X	IC		
IC705	MM1615AN-X	IC		
IC801	MM1565AF-X	IC		
IC811	ISP1106DH-X	IC		
Q101	KTA1001/Y/-X	TRANSISTOR		
Q101 or	2SB1424/R/-W	TRANSISTOR		
Q102	2SC4617/R/-X	TRANSISTOR		
Q103	KTA1001/Y/-X	TRANSISTOR		
Q103 or	2SB1424/R/-W	TRANSISTOR		
Q104	2SC4617/R/-X	TRANSISTOR		
Q801	KRA104S-X	DIGI TRANSISTOR		
Q801 or	UN2113-X	TRANSISTOR		
C101	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C102	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C103	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C104	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C105	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C106	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C107	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C108	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C201	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C202	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C204	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C205	NCB31HK-271X	C CAPACITOR	270pF 50V K	
C206	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C210	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C211	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C217	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C251	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C256	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C257	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
C258	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C259	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C260	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	

△ Symbol No.	Part No.	Part Name	Description	Local
C261	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C262	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C263	NEAF1CM-107X	E CAPACITOR	100uF 16V M	
C301	NEAF0GM-227X	E CAPACITOR	220uF 4V M	
C302	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C303	NEAF0GM-476X	E CAPACITOR	47uF 4V M	
C304	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C305	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C306	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C307	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C308	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C309	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C310	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C311	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C312	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C314	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C316	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C317	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C318	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C319	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C322	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C323	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C324	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C325	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C326	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C327	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C330	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C331	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	
C332	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C333	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C334	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C335	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C337	NCB31CK-183X	C CAPACITOR	0.018uF 16V K	
C338	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C339	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C340	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C341	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C345	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C347	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C348	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C349	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C350	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C352	NCB31CK-153X	C CAPACITOR	0.015uF 16V K	
C353	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C354	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C356	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C359	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C370	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C372	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C373	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C374	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C375	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C378	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C379	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C380	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C381	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C382	NCB31HK-471X	C CAPACITOR	470pF 50V K	
C383	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C393	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C455	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C551	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C554	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C555	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NBE20JM-226X	TA E CAPACITOR	22uF 6.3V M	
C559	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C560	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C563	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C564	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C701	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z	
C704	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M	
C706	NEAF1CM-106X	E CAPACITOR	10uF 16V M	

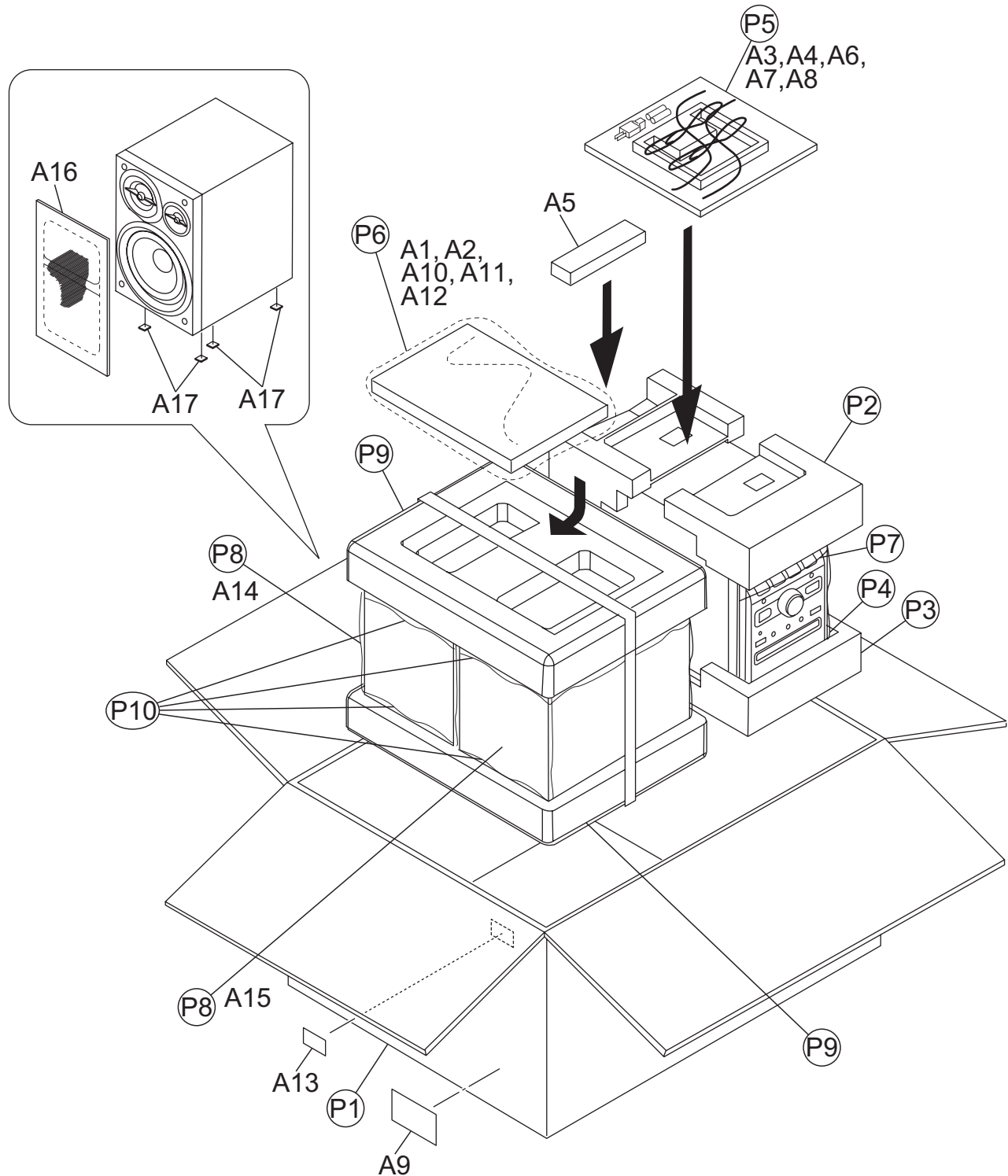
△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C707	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R371	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	
C711	NCB21CK-105X	C CAPACITOR	1uF 16V K		R372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C713	NCB21CK-105X	C CAPACITOR	1uF 16V K		R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C740	NCB31CK-104X	C CAPACITOR	0.1uF 16V K		R376	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C801	NCB21CK-105X	C CAPACITOR	1uF 16V K		R383	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
C802	NCB21AK-225X	C CAPACITOR	2.2uF 10V K		R384	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C803	NEAF0JM-227X	E CAPACITOR	220uF 6.3V M		R385	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C804	NCB31HK-471X	C CAPACITOR	470pF 50V K		R392	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C811	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R458	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C812	NCF31EZ-104X	C CAPACITOR	0.1uF 25V Z		R531	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R535	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R541	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R103	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R542	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R104	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R701	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J	
R105	NRS181J-180X	MG RESISTOR	18Ω 1/8W J		R718	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R106	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J		R721	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R723	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R109	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R730	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R112	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R731	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRS181J-180X	MG RESISTOR	18Ω 1/8W J		R732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R114	NRSA63J-2R2X	MG RESISTOR	2.2Ω 1/16W J		R811	NRS125J-330X	MG RESISTOR	33Ω 1/2W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R812	NRS125J-330X	MG RESISTOR	33Ω 1/2W J	
R116	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R813	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R117	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		R814	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R125	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J		R819	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R127	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J		R821	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R128	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R822	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R201	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		R823	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R202	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R851	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R855	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R205	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R856	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R206	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J		R857	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R858	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R213	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R859	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R214	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R860	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R219	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R861	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R220	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J		CN101	QGF0523F3-24W	CONNECTOR	FFC/FPC (1-24)	
R221	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		CN201	QGF1016F8-08W	CONNECTOR	FFC/FPC (1-8)	
R251	NRS125J-R39X	MG RESISTOR	0.39Ω 1/2W J		CN701	QGF1016F8-25W	CONNECTOR	FFC/FPC (1-25)	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		CN712	QGF1016F8-05W	CONNECTOR	FFC/FPC (1-5)	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		CN801	QGF1016F8-05W	CONNECTOR	FFC/FPC (1-5)	
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		CN811	QGA2001F6-05X	CONNECTOR	W-B (1-5)	
R305	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		K101	NQR0502-001X	FERRITE BEADS		
R306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K351	NQR0502-001X	FERRITE BEADS		
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K352	NQR0502-001X	FERRITE BEADS		
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J		K353	NQR0502-001X	FERRITE BEADS		
R310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		K354	NQR0022-002X	FERRITE BEADS		
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K501	NQR0502-001X	FERRITE BEADS		
R314	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		K701	NQR0022-002X	FERRITE BEADS		
R316	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		K702	NQR0022-002X	FERRITE BEADS		
R318	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J		K703	NQR0022-002X	FERRITE BEADS		
R319	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K704	NQR0022-002X	FERRITE BEADS		
R323	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K705	NQR0022-002X	FERRITE BEADS		
R324	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K706	NQR0022-005X	FERRITE BEADS		
R325	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K707	NQR0022-002X	FERRITE BEADS		
R326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K708	NQR0022-002X	FERRITE BEADS		
R327	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		K709	NQR0022-002X	FERRITE BEADS		
R333	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J		K710	NQR0022-002X	FERRITE BEADS		
R338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K711	NQR0022-002X	FERRITE BEADS		
R339	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		K720	NQR0022-002X	FERRITE BEADS		
R340	NRSA63D-303X	MG RESISTOR	30kΩ 1/16W D		K721	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R341	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D		K722	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R342	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D		K726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R345	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J		K810	NQR0502-001X	FERRITE BEADS		
R346	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		K811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R347	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J		K812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R350	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J		TH301	NAD0025-103X	N THERMISTOR	10kΩ	
R351	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J		X301	NAX0741-001X	CRYSTAL	27.000MHz	
R352	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		X302	NAX0376-002X	CRYSTAL		
R353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						
R357	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R358	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						
R362	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J						
R367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J						

< MEMO >

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDS are available



Packing and Accessories

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

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	GVT0169-006A	INTRUCTION BOOK	ENG	
	A 2	GVT0169-009A	INTRUCTION BOOK	CHI(PEKIN)	US,UB,UN
	A 2	GVT0169-007A	INTRUCTION BOOK	SPA	UW
	A 2	GVT0169-012A	INTRUCTION BOOK	ARA PER	UX,UG
△	A 3	QAM0112-002	PLUG ADAPTOR		US,UW,UN
	A 4	QAM0216-001	SIGNAL CORD		
	A 5	RM-SUXG60A	REMOCON		A
	A 5	RM-SUXG60U	REMOCON		US,UB,UW,UX,UG,UN
	A 6	-----	BATTERY	1.5V(x2)	
	A 7	QAL0014-003	AM LOOP ANT		
	A 8	QAL0457-001	ANT.WIRE		
	A 9	LE40796-001A	VERANCE LABEL		
	A 10	-----	WARRANTY CARD	BT-56012-1	A
	A 11	GV30024-054A	UB SHEET		UB
	A 12	GVT0169-008A	INTRUCTION BOOK	POR	UW
	A 13	GV40641-002A	NOM LABEL		UW
	A 14	UXG60U-SPBOX-R	SPEAKER BOX		
	A 15	UXG60U-SPBOX-L	SPEAKER BOX		
	A 16	NEF-30033-00	SPK NET ASSY	(x2)	
	A 17	LEC-00008-00	RUBBER CUSHION	(x8)	
	P 1	GV30859-007A	CARTON ASSY.		A
	P 1	GV30859-003A	CARTON ASSY.		US,UB,UN
	P 1	GV30859-005A	CARTON ASSY.		UW
	P 1	GV30859-006A	CARTON ASSY.		UX,UG
	P 2	GV10306-001A	CUSHION UPPER		
	P 3	GV10307-001A	CUSHION BOTTOM		
	P 4	QPC05006515P	POLY BAG	50cm x 65cm	
	P 5	QPC01702515P	POLY BAG	17cm x 25cm	
	P 6	QPC02503515P	POLY BAG	25cm x 35cm	
	P 7	GV40437-004A	CLOTH		
	P 8	PLB-J0001-00	POLY BAG	(x2)	
	P 9	PLF-10040-00	CUSHION	(x2)	
	P 10	MRS-J0001-00	MIRAMAT SHEET	(x4)	