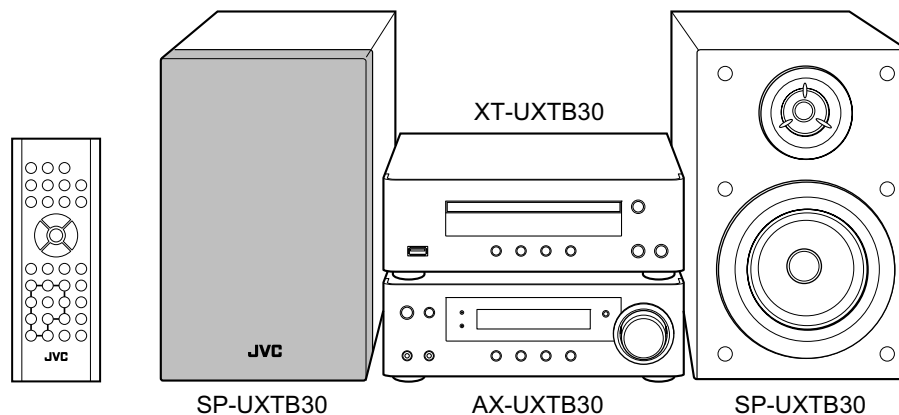


# JVC

## SERVICE MANUAL

COMPACT COMPONENT SYSTEM

### UX-TB30B, UX-TB30E, UX-TB30EN, UX-TB30EV



**MP3/WMA Radio Data System**

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

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## SPECIFICATION

<b>Amplifier unit (AX-UXTB30)</b>		
Output Power	20 W per channel, min. RMS, driven into 6 $\Omega$ at 1 kHz with no more than 10% total harmonic distortion. (IEC268-3)	
Speakers/Impedance	6 $\Omega$ - 8 $\Omega$	
<b>Player/tuner unit (XT-UXTB30)</b>		
<b>Tuner section</b>		
FM tuning range	87.50 MHz - 108.00 MHz	
<b>CD player section</b>		
Measurement Condition	2W, IEC-A weighted	
Dynamic range	75 dB	
Signal-to-noise ratio	75 dB	
Wow and flutter	Immeasurable	
<b>Terminals</b>		
AUDIO IN	Input sensitivity/Impedance	250 mV/50 k $\Omega$
USB MEMORY	USB specification	Compatible with USB 2.0 Full-Speed
	Compatible device	Mass storage class
	Compatible system	FAT16, FAT32
	Output power	DC 5 V 500 mA
<b>General</b>		
Power requirement	AC 230 V , 50 Hz	
Power consumption	50 W (at operation)	
	1.00 W or less (on standby)	
Dimensions (approx.)	Player/tuner unit	230 mm $\times$ 81 mm $\times$ 230 mm (W $\times$ H $\times$ D)
	Amplifier unit	230 mm $\times$ 81 mm $\times$ 243 mm (W $\times$ H $\times$ D)
Mass (approx.)	Player/tuner unit	1.70 kg
	Amplifier unit	2.94 kg
<b>Speakers (SP-UXTB30)</b>		
Type	2-way Bass reflex	
Speaker units	Tweeter	4 cm cone $\times$ 1
	Woofers	10 cm cone $\times$ 1
Dimensions (approx.)	160 mm $\times$ 250 mm $\times$ 160 mm (W $\times$ H $\times$ D)	
Mass (approx.)	1.81 kg each	

Designs & specifications are subject to change without notice.

# SECTION 1 PRECAUTION

## 1.1 Safety Precautions

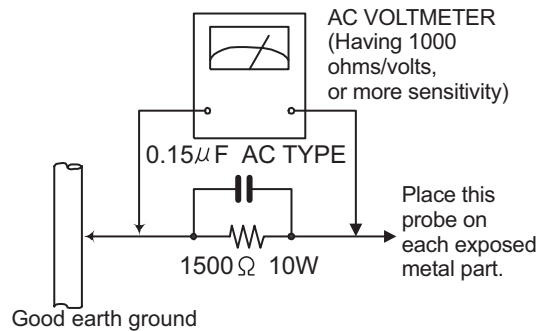
- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in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

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

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method  
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 $\Omega$  per volt or more sensitivity in the following manner. Connect a 1,500 $\Omega$  10W resistor paralleled by a 0.15 $\mu$ 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 " $\Delta$ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer. (This regulation does not Except the J and C version)

## 1.5 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

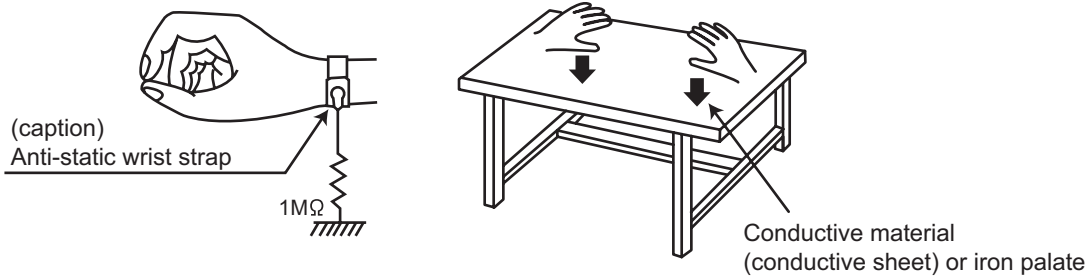
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products. Be careful to use proper grounding in the area where repairs are being performed.

(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 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 ozáření 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 가지 및/또는 비가시 클래스 1M 레이저 방사선이 나옵니다. 광학 기구로 직접 들여다보지 마십시오.

## REPRODUCTION AND POSITION OF LABELS and PRINT WARNING LABEL and PRINT



<b>CAUTION</b> VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC80025-1:2001 (ENG)	<b>ATTENTION</b> RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	<b>AVISO</b> RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	<b>WARNING</b> SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	<b>注意</b> ここに書くと可視 及び/または不可視 のクラス 1M レーザー放射が 出ます。 光学顕微鏡で直接 覗かないでください。 LPN	<b>CAUTION</b> VISIBLE AND/OR INVISIBLE CLASS I LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44803-003A
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## SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

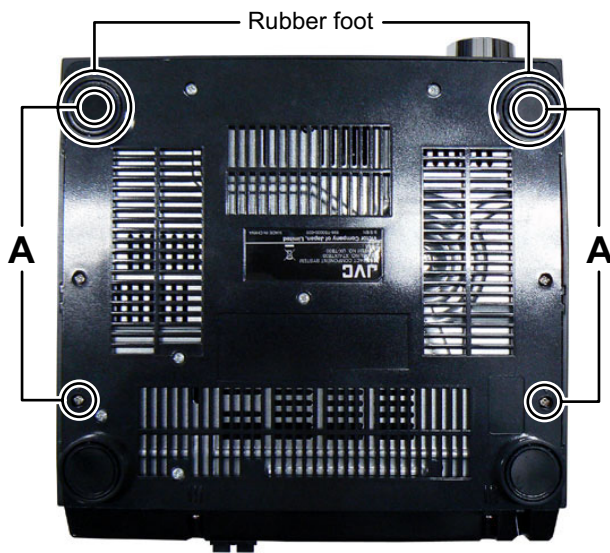
This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

## SECTION 3 DISASSEMBLY

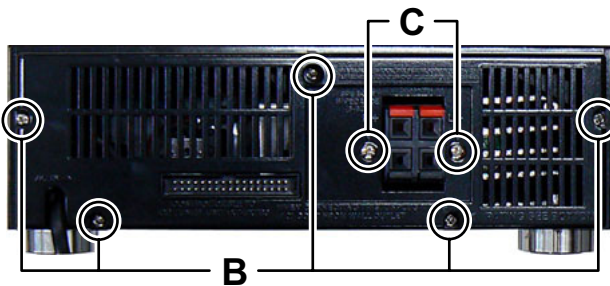
### 3.1 Amplifier unit (Used model is UX-TB30E)

#### 3.1.1 Removing the Top cover (See Fig.1, 2)

- (1) Tear off the Rubber feet. (See Fig.1)
- (2) Remove the four screws **A** attaching the Top cover. (See Fig.1)

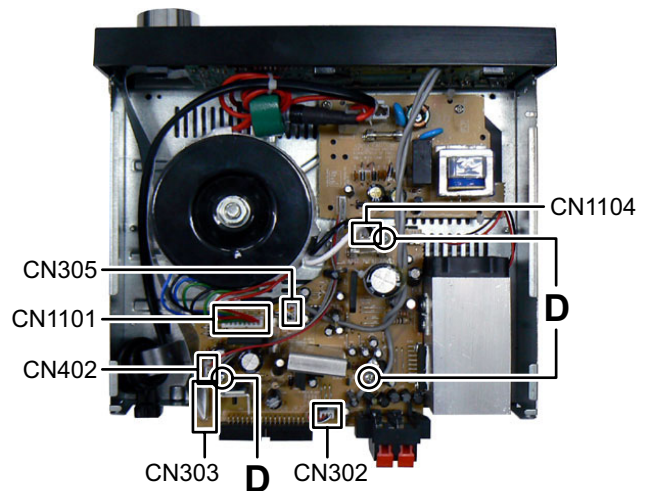


- (3) Remove the five screws **B** and two screws **C** attaching the Rear cover. (See Fig.2)



#### 3.1.2 Removing the Main board (See Fig.3, 4)

- (1) Disconnect the card wire from Display board connected to connector **CN303** of the Main board. (See Fig.3)
- (2) Disconnect the connector wires from Display board connected to connectors **CN302** and **CN305** of the Main board. (See Fig.3)
- (3) Disconnect the connector wires from Power transformer connected to connectors **CN1101** and **CN1104** of the Main board. (See Fig.3)
- (4) Disconnect the connector wire from Rectifier board connected to connector **CN402** of the Main board. (See Fig.3)
- (5) Remove the three screws **D** attaching the Main board. (See Fig.3)





(6) Remove the three screws **E** attaching the Heat sink. (See Fig.4)

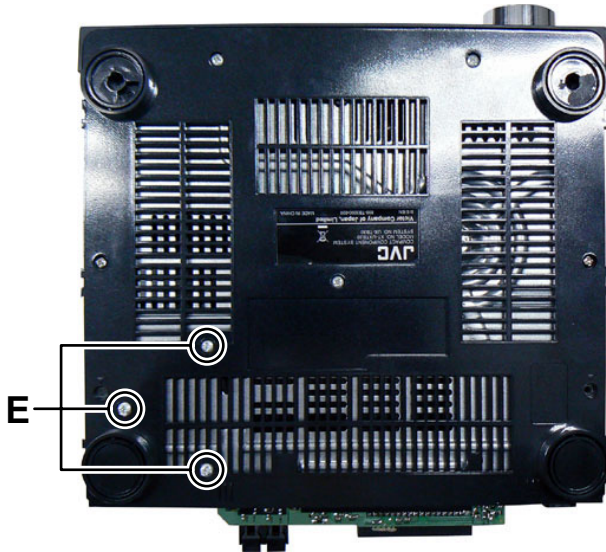


Fig.4

**3.1.3 Removing the Rectifier board (See Fig.5)**

- (1) Disconnect the connector wire from Power transformer connected to connector [CN1102](#) of the Rectifier board.
- (2) Remove the four screws **F** attaching the Rectifier board.

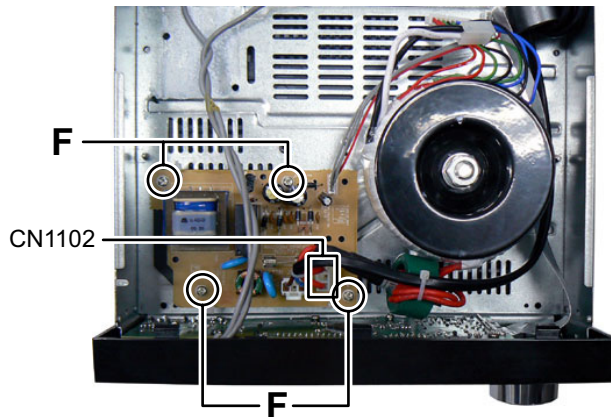


Fig.5

**3.1.4 Removing the Front panel (See Fig.6, 7)**

- (1) Remove the two screws **G** attaching the Front panel. (See Fig.6)

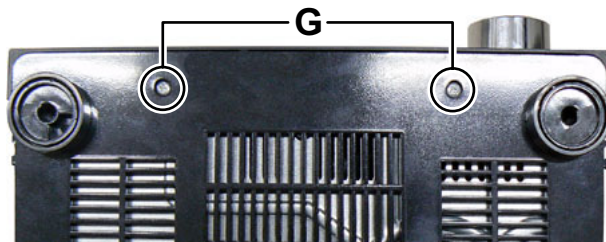


Fig.6

- (2) Disengage two hooks **a** engaged both side of the Front panel. (See Fig.7)

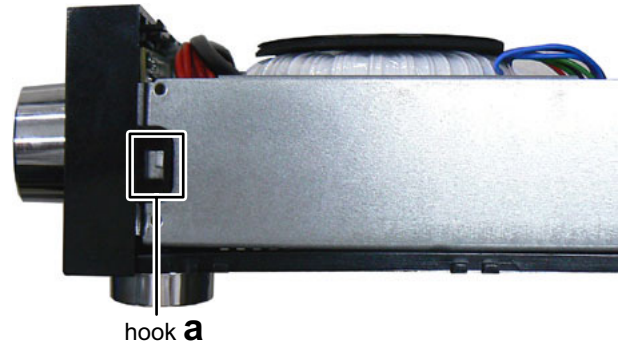


Fig.7

**3.1.5 Removing the Display board (See Fig.8)**

- (1) Remove the five screws **H** attaching the Display board.
- (2) Disconnect the connector wire from Volume board connected to connector [CN702](#) of the Display board.

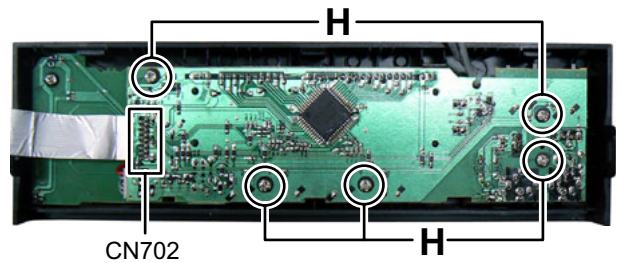


Fig.8

**3.1.6 Removing the Rectifier board (See Fig.9)**

- (1) Remove the Volume knob.
- (2) Remove the two screws **J** attaching the Volume board.

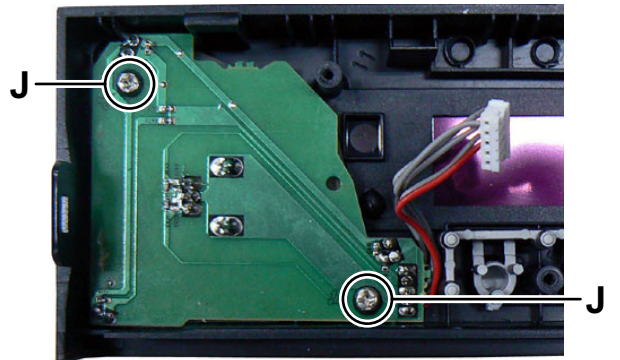


Fig.9

### 3.2 CD unit (Used model is UX-TB30E)

#### 3.2.1 Removing the Top cover (See Fig.1, 2)

- (1) Tear off the Rubber feet. (See Fig.1)
- (2) Remove the four screws **A** attaching the Top cover. (See Fig.1)

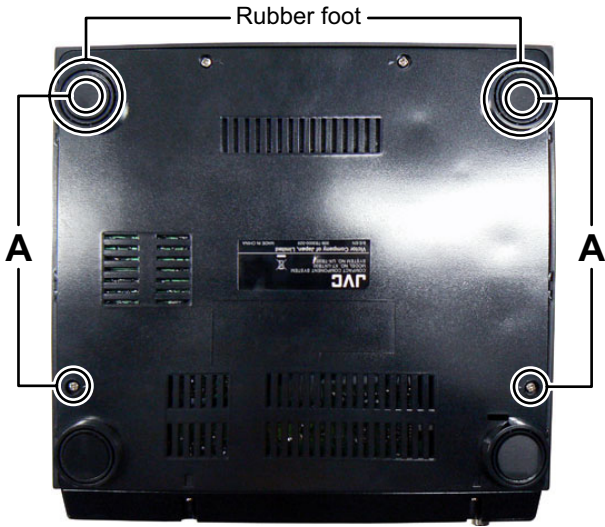


Fig.1

- (3) Remove the five screws **B** and two screws **C** attaching the Rear cover. (See Fig.2)

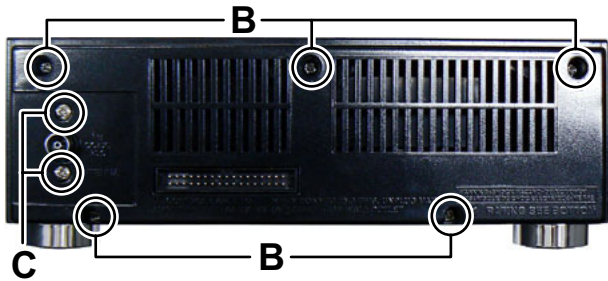


Fig.2

#### 3.2.2 Removing the Front panel (See Fig.3, 4, 5)

- (1) Disconnect the connector wire from USB board connected to connector **CN603** of the CD board. (See Fig.3)
- (2) Disconnect the connector wire from Control board connected to connector **CN703** of the Equalizer board. (See Fig.3)

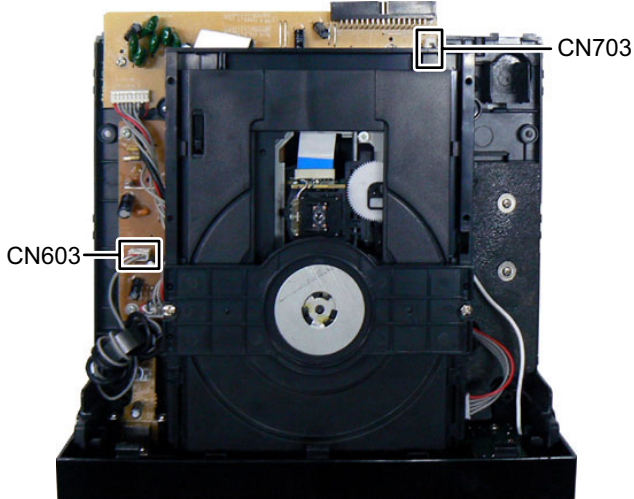


Fig.3

- (3) Remove the two screws **D** attaching the Front panel. (See Fig.4)

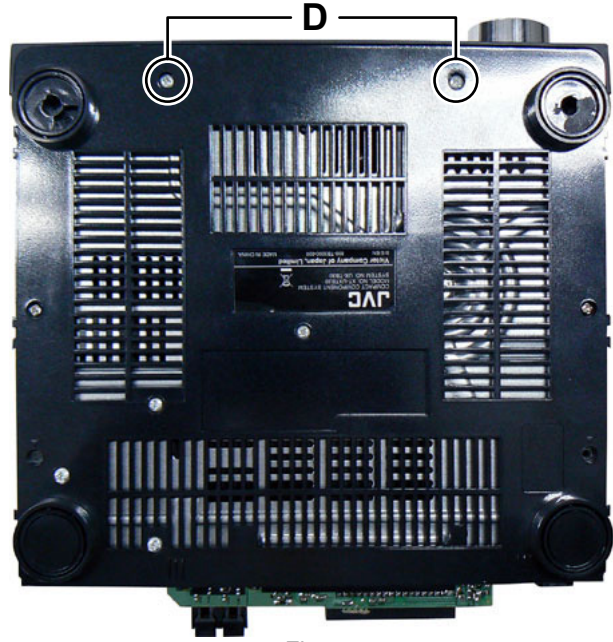


Fig.4

- (4) Disengage two hooks **a** engaged both side of the Front panel. (See Fig.5)

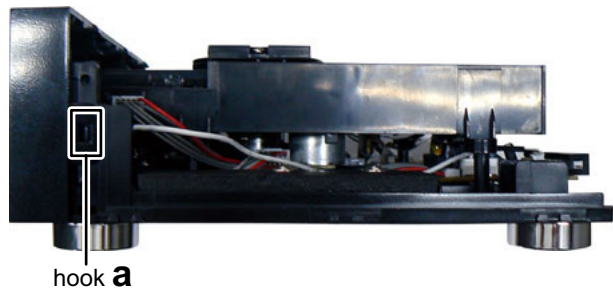


Fig.5



### 3.2.3 Removing the CD mechanism (See Fig.6, 7)

- (1) Disconnect the connector wire from Equalizer board connected to connector [CN2701](#) of the CD door switch board. (See Fig.6)
- (2) Remove the four screws **E** attaching the CD mechanism. (See Fig.6)

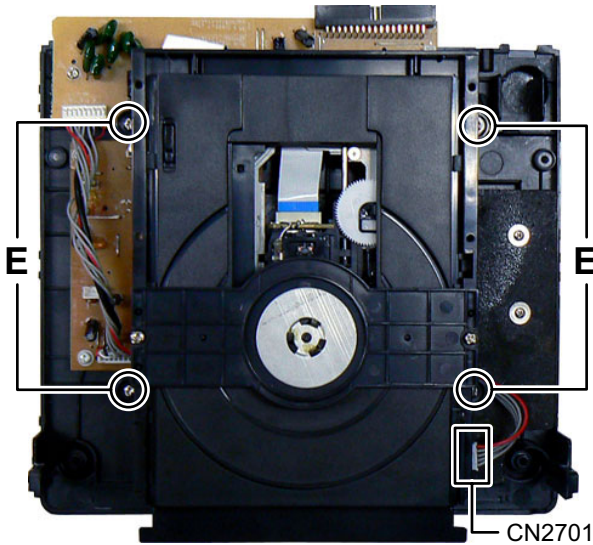


Fig.6

- (3) Turnover the CD mechanism, disconnect the card wire from pickup connected to connector [CN905](#) of the CD board. (See Fig.7)
- (4) Disconnect the connector wire from CD mechanism connected to connector [CN907](#) of the CD board. (See Fig.7)

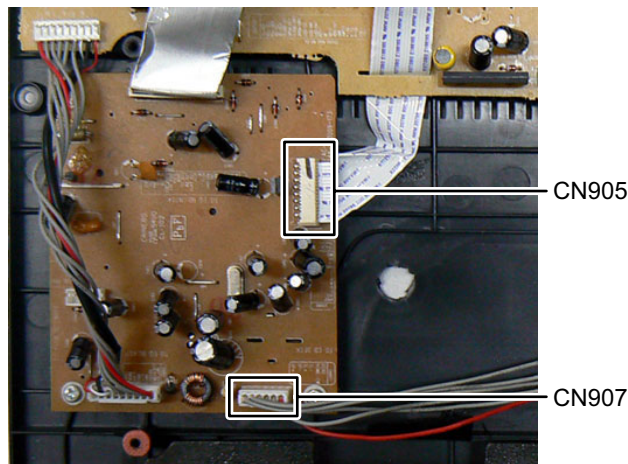


Fig.7

### 3.2.4 Removing the CD board (See Fig.8)

- (1) Disconnect the card wire from Equalizer board connected to connector [CN702](#) of the CD board.
- (2) Disconnect the connector wire from Equalizer board connected to connector [CN901](#) of the CD board.
- (3) Remove the three screws **F** attaching the CD board.

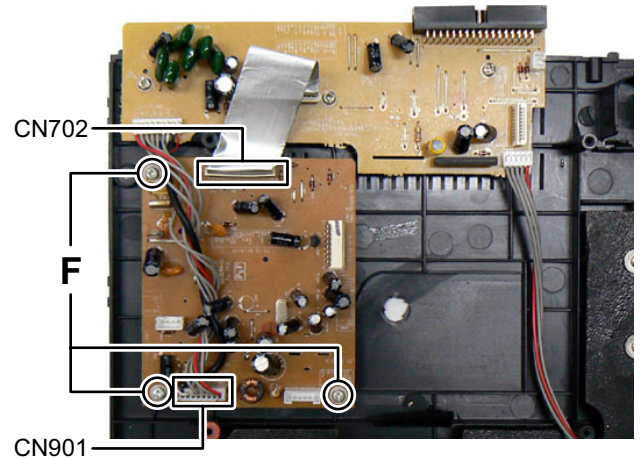


Fig.8

### 3.2.5 Removing the Equalizer board (See Fig.9)

- (1) Remove the three screws **G** attaching the Equalizer board.

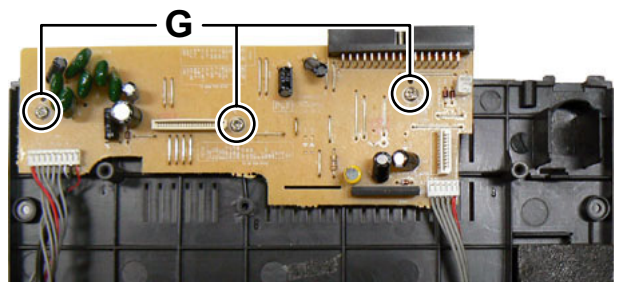


Fig.9

### 3.2.6 Removing the Control board (See Fig.10)

- (1) Remove the five screws **H** attaching the Control board.

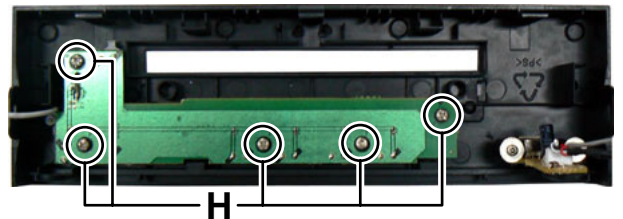


Fig.10

### 3.2.7 Removing the USB board (See Fig.11)

- (1) Remove the two screws **J** attaching the USB board.

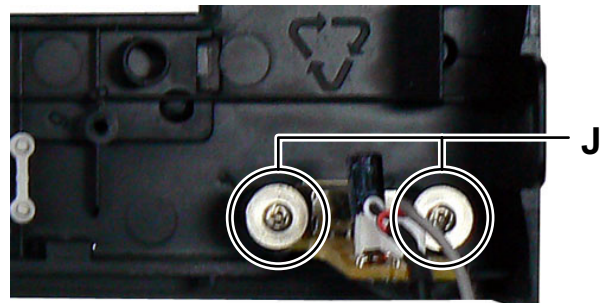


Fig.11

## **SECTION 4 ADJUSTMENT**

This service manual does not describe ADJUSTMENT.

## **SECTION 5 TROUBLESHOOTING**

This service manual does not describe TROUBLESHOOTING.





Victor Company of Japan, Limited  
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(No.MB725<Rev.001>)

Printed in Japan  
VSE



# PARTS LIST

UX-TB30B, UX-TB30E, UX-TB30EN, UX-TB30EV

MODEL	MARK
UX-TB30B	A
UX-TB30E	B
UX-TB30EN	C
UX-TB30EV	D

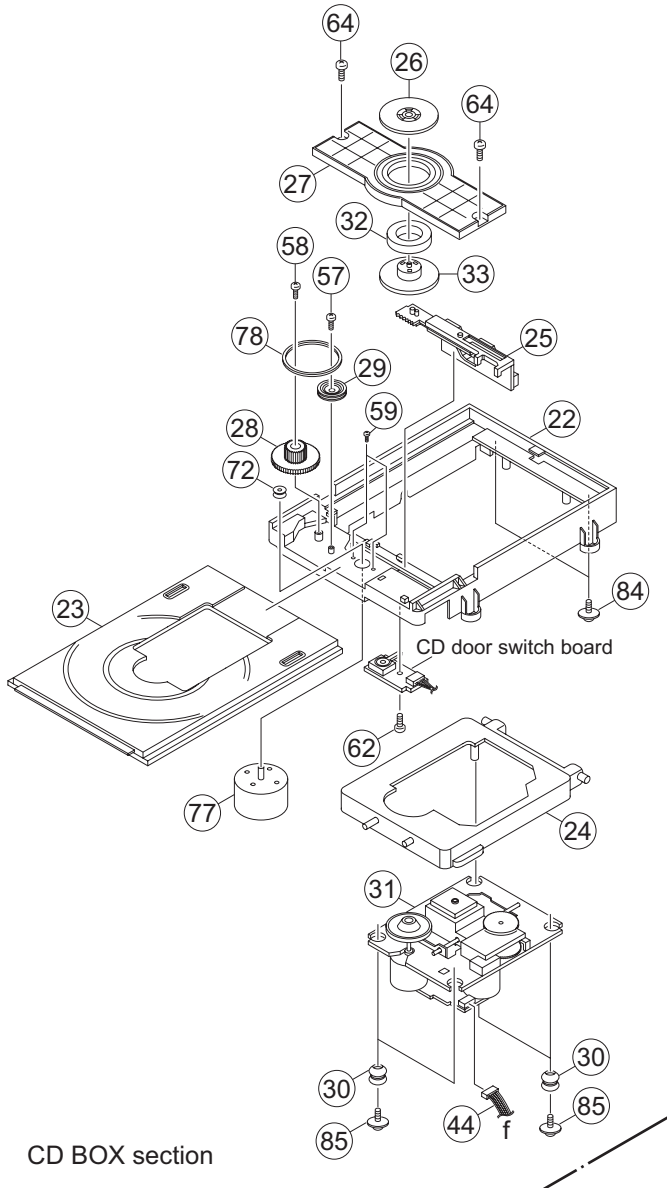
\* All printed circuit boards and its assemblies are not available as service parts.

## - Contents -

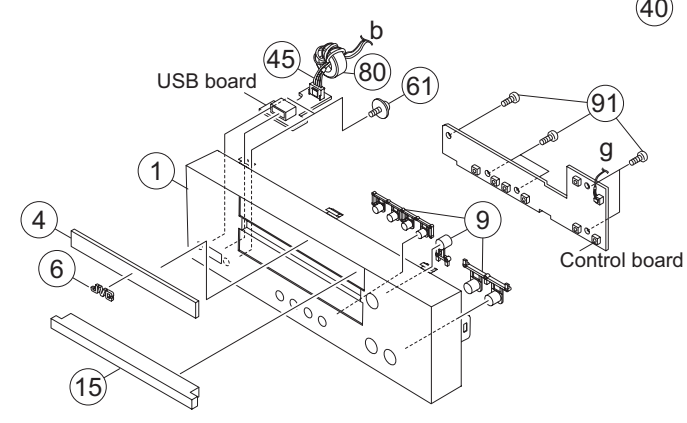
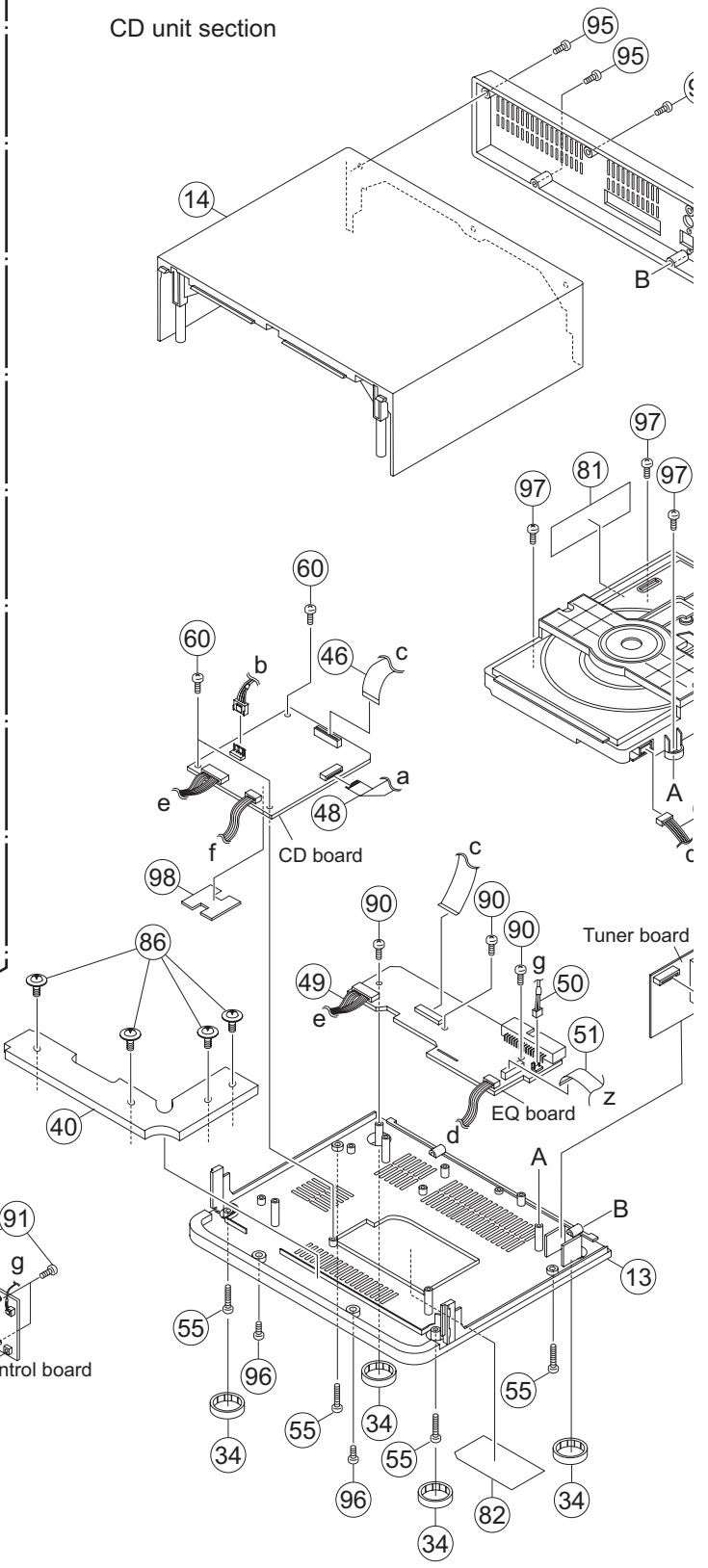
Exploded view of general assembly and parts list (Block No.M1) .....	3- 2
Speaker assembly and parts list (Block No.M2) .....	3- 6
Electrical parts list (Block No.01~10) .....	3- 7
Packing materials and accessories parts list (Block No.M3) .....	3-13

# Exploded view of general assembly and parts list

Block No. **M 1 M M**



CD unit section





# General Assembly

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

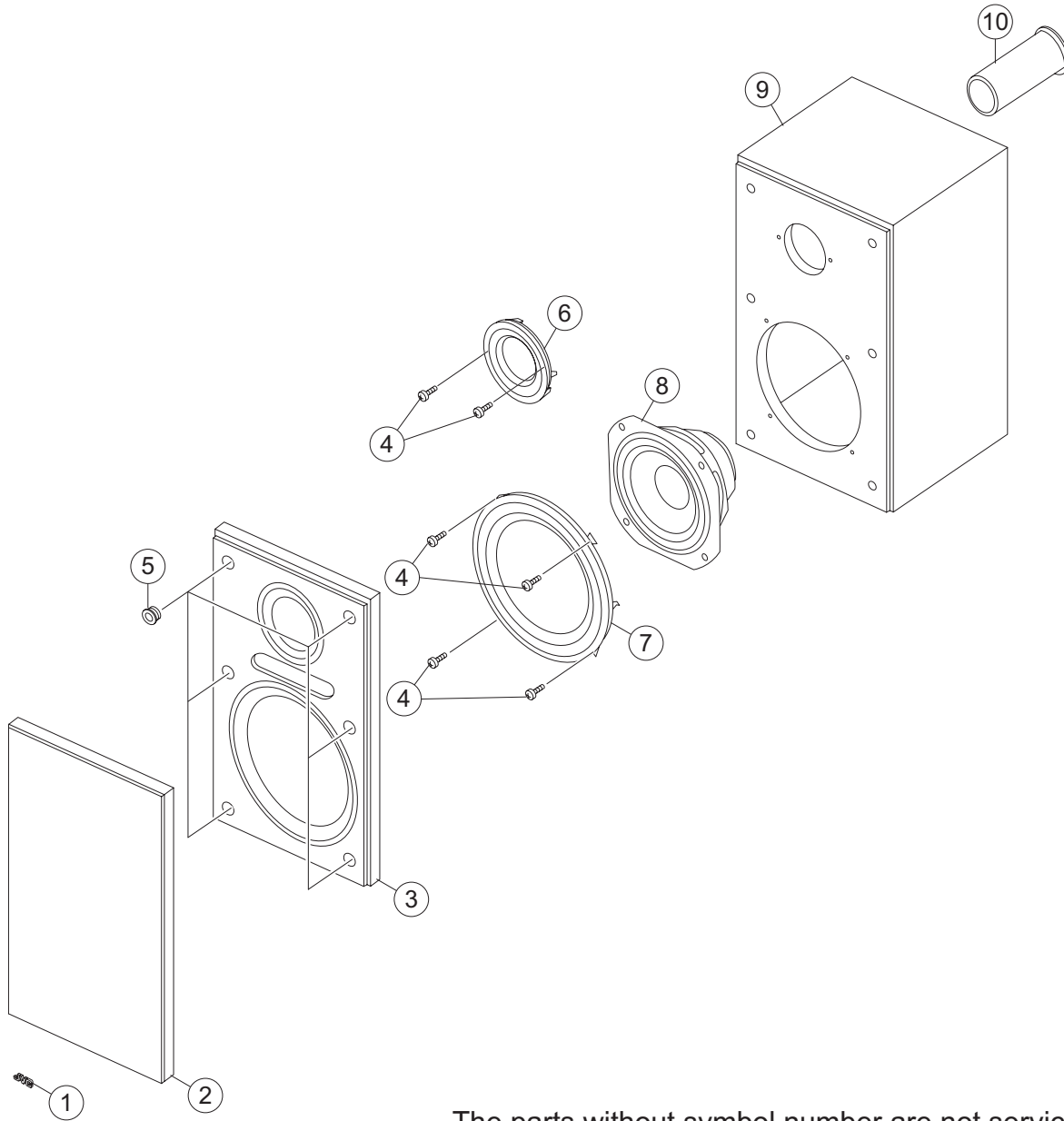
△	Symbol No.	Part No.	Part Name	Description	Local
	1	5TB-300000-002	CONTROL FRONT CABINET		
	2	5TB-300000-001	DISPLAY FRONT CABINET		
	3	5TB-300000-000	DISPLAY LENS		
	4	5TB-300200-001	CONTROL LENS		
	5	5TB-307000-001	VOLUME KNOB		
	6	500-081000-000	JVC MARK	(x2)	
	7	5TB-332000-000	VFD BRACKET		
	8	5TB-308000-000	POWER KNOB		
	9	5TB-302000-000	CONTROL KNOB		
	10	5TB-351000-000	FUNCTION KNOB		
	11	5TB-386000-001	UP BACK COVER		
	12	5TB-386000-002	DOWN BACK COVER		
	13	5TB-302000-001	PEDESTAL CABINET		
	14	5TB-300820-000	TOP CABINET	(x2)	
	15	5TB-349000-000	CD DOOR		
	16	5TB-302000-002	PEDESTAL CABINET		
	17	530-026200-000	LINE CORE HOLD		
	18	244-E05260-060	HSG	5PINS 60mm	
	19	244-A04300-300	WIRE	4PINS 30cm	
	20	244-A03780-300	WIRE	3PINS 30cm	
	21	235-165250-110	FFC CABLE	16PINS	
	22	500-047000-000	CD MECHA BRACKET		
	23	500-049100-000	CD PLATE		
	24	500-026300-000	CD MECHA COVER		
	25	500-036000-000	SLIDE PIECE		
	26	500-200000-000	CD CHUCK PLATE		
	27	500-048300-000	CHUCK PLATE BRACKET		
	28	500-000100-200	BIG GEAR		
	29	500-000100-100	LITTER GEAR		
	30	458-328840-220	RUBBER SILICON	(BLACK) HARDNESS(x4)	
	31	356-110003-091	CD DECK		
	32	473-300160-500	CD MAGNET RING		
	33	500-100000-000	CD CHUCK HOLDER		
	34	5TB-303000-090	RING	(x8)	
	35	419-030240-030	SHIELD PLATE(FRONT)		
	36	419-306430-030	SHIELD PLATE(BACK)		
	37	238-130100-602	SCREW	3x10mm PB(x5)	
	38	408-222193-020	METAL CABINET		
	39	408-TB3040-040	HEAT SINK		
	40	408-TB3000-010	PLUMMET METAL		
	41	5TB-300560-050	LENS BACK LIGHT		
	42	220-025100-015	VFD DISPLAY		
	43	152-302369-070	TRANSFORMER	TB3023FS	
	44	244-B06260-150	HSG	6PINS 150mm	
	45	244-A04780-350	WIRE	4PINS 35cm	
	46	235-235070-110	FFC CABLE	23PINS	
	47	5TB-3010120-000	LIGHT BULT COVER		
	48	235-160130-110	FFC CABLE	16PINS 13cm	
	49	244-092600-130	HSG	9PINS 130mm	
	50	244-E02280-240	WIRE	2PINS 24cm	
	51	235-109250-112	FFC CABLE	10PINS 1.25mm	
	52	244-A04260-150	WIRE	4PINS 15cm	
	53	222-290190-155	FERRITE BEAD		
△	54	151-240000-302	POWER CORD		A
△	54	151-230000-200	POWER CORD		B,C,D
	55	238-130150-602	SCREW	3x15mm PB(x4)	
	56	244-E05260-170	WIRE	5PINS 17cm	
	57	238-117050-631	SCREW	1.7x5mm PWA	
	58	238-117050-632	SCREW	1.7x5mm PWB	
	59	238-117040-203	SCREW	1.7x4mm BM(x2)	
	60	238-130060-602	SCREW	3x6mm PB(x3)	
	61	238-126080-631	SCREW	2.6x8mm PWA(x2)	
	62	238-126080-602	SCREW	2.6x8mm PB	
	63	238-130080-202A	SCREW	3x8mm BB(x6)	
	64	238-130100-602	SCREW	3x10mm PB(x2)	
	65	238-130100-202A	SCREW	3x10mm BB(x2)	
	66	408-360230-120	HEAT SINK		
	67	408-043030-250	HEAT SINK		
	68	361-401012-002	HEAT FAN		
△	69	231-902630-253	FUSE	FS1102 6.3A 250V	
△	70	231-902160-253	FUSE	FS1103 1.6A 250V	
△	71	231-902200-251	FUSE	FS1101 2A 250V	
	72	519-024300-000	MOTOR PULLEY	NSX-1900	
	73	238-130120-602	SCREW	ST 3x12mm PB(x4)	



△	Symbol No.	Part No.	Part Name	Description	Local
	74	238-130150-602	SCREW	3x15mm PB(x4)	
	75	880-TB8002-040	VOLTAGE HOLE PLATE	FOR MAIN PCB	
	76	466-103069-050	VOLTAGE HOLE PLATE	FOR POWER PC	
	77	360-055133-002	MOTOR	RF-300CA-10510	
	78	466-235013-013	STRAP	FOR MOTOR	
△	79	152-402328-000	POWER TRANSF	PT1101 230V	
	80	222-250150-120	FERRITE BEAD		
	81	LV44603-003A	CAUTION LABEL		
	82	898-TB3000-020	NAME PLATE		
	83	898-TB3000-010	NAME PLATE		
	84	238-126080-631	SCREW	2.6x8mm PWA(x2)	
	85	238-126080-631	SCREW	2.6x8mm PWA(x4)	
	86	238-126080-631	SCREW	2.6x8mm PWA(x4)	
	87	238-130080-202A	SCREW	3x8mm BB(x3)	
	88	238-130080-202A	SCREW	3x8mm BB(x5)	
	89	238-130080-202A	SCREW	3x8mm BB(x2)	
	90	238-126080-602	SCREW	2.6x8mm PB(x3)	
	91	238-126080-602	SCREW	2.6x8mm PB(x5)	
	92	238-126080-602	SCREW	2.6x8mm PB(x3)	
	93	238-126080-602	SCREW	2.6x8mm PB(x4)	
	94	238-126080-602	SCREW	2.6x8mm PB(x5)	
	95	238-130100-602	SCREW	3x10mm PB(x5)	
	96	238-130100-602	SCREW	3x10mm PB(x2)	
	97	238-130100-602	SCREW	3x10mm PB(x4)	
	98	408-270230-008	HEAT SINK		
	99	238-126080-602	SCREW	2.6x8mm PB(x2)	

# Speaker assembly and parts list

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



The parts without symbol number are not service.

## Speaker

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

△ Symbol No.	Part No.	Part Name	Description	Local
1	500-081000-000	JVC MARK	(x2)	
2	5TB-340000-000	SPEAKER NET BRACKET L/R	(x2)	
3	5TB-341000-000	SPEAKER FRONT L/R	(x2)	
4	238-140100-631	SCREW	4x10 mm PWA(x12)	
5	458-TB3100-010	RUBBER HOLDER	(x12)	
6	5TB-301000-000	DECORATION PIECE	(x2)	
7	5TB-301000-001	SPEAKER BRACKET	(x2)	
8	154-496200-600	SPEAKER	(x2)	
9	669-TB3000-000	SPEAKER BOX	(x2)	
10	520-938000-000	SPEAKER PIPE	(x2)	

# Electrical parts list

## Main board

Block No. [0][1]					Symbol No.	Part No.	Part Name	Description	Local
Symbol No.	Part No.	Part Name	Description	Local					
					C453	302-311015-550	C CAPACITOR	100pF/50V	
					C454	302-311015-550	C CAPACITOR	100pF/50V	
					C455	302-341045-550	C CAPACITOR	0.1uF/50V	
					C456	302-341045-550	C CAPACITOR	0.1uF/50V	
					C457	302-341045-550	C CAPACITOR	0.1uF/50V	
					C458	302-312715-550	C CAPACITOR	270pF/50V	
			CD7805CS		C459	302-312715-550	C CAPACITOR	270pF/50V	
					C464	302-341045-550	C CAPACITOR	0.1uF/50V	
					C465	302-301005-550	C CAPACITOR	10pF/50V	
					C467	302-312715-550	C CAPACITOR	270pF/50V	
					C474	302-312215-550	C CAPACITOR	220pF/50V	
					C475	302-312215-550	C CAPACITOR	220pF/50V	
					C477	302-341045-550	C CAPACITOR	0.1uF/50V	
					C478	302-312715-550	C CAPACITOR	270pF/50V	
					C479	302-312715-550	C CAPACITOR	270pF/50V	
					C487	004-071072-216	E CAPACITOR	100uF/16V	
					C488	004-071072-216	E CAPACITOR	100uF/16V	
					C490	004-064762-216	E CAPACITOR	47uF/16V	
					C492	004-061062-225	E CAPACITOR	10uF/25V	
					C493	302-341045-550	C CAPACITOR	0.1uF/50V	
					C500	302-311015-550	C CAPACITOR	100pF/50V	
					C501	302-311015-550	C CAPACITOR	100pF/50V	
					C506	302-311015-550	C CAPACITOR	100pF/50V	
					C612	004-061062-216	E CAPACITOR	10uF/16V	
					C727	004-061062-216	E CAPACITOR	10uF/16V	
					C1108	302-341045-550	C CAPACITOR	0.1uF/50V	
					C1109	302-341045-550	C CAPACITOR	0.1uF/50V	
					C1122	004-083382-225	E CAPACITOR	3300uF/25V	
					C1113	004-086882-235	E CAPACITOR	6800uF/35V	
					R301	301-322225-016	RESISTOR	2.2kΩ 1/16W	
					R302	301-322225-016	RESISTOR	2.2kΩ 1/16W	
					R303	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R304	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R305	301-322725-016	RESISTOR	2.7kΩ 1/16W	
					R306	301-324325-016	RESISTOR	4.3kΩ 1/16W	
					R307	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R308	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R309	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R310	301-300005-016	RESISTOR	0Ω 1/16W	
					R311	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R314	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R318	301-300005-016	RESISTOR	0Ω 1/16W	
					R319	301-351055-016	RESISTOR	1MΩ 1/16W	
					R320	301-328225-016	RESISTOR	8.2kΩ 1/16W	
					R321	301-322725-016	RESISTOR	2.7kΩ 1/16W	
					R324	301-324325-016	RESISTOR	4.3kΩ 1/16W	
					R325	301-332235-016	RESISTOR	22kΩ 1/16W	
					R327	301-351055-016	RESISTOR	1MΩ 1/16W	
					R328	301-341245-016	RESISTOR	120kΩ 1/16W	
					R332	301-332735-016	RESISTOR	27kΩ 1/16W	
					R336	301-331035-016	RESISTOR	10kΩ 1/16W	
					R340	301-341245-016	RESISTOR	120kΩ 1/16W	
					R342	301-334735-016	RESISTOR	47kΩ 1/16W	
					R343	301-334735-016	RESISTOR	47kΩ 1/16W	
					R347	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R348	301-331035-016	RESISTOR	10kΩ 1/16W	
					R351	301-351055-016	RESISTOR	1MΩ 1/16W	
					R391	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R392	301-321025-016	RESISTOR	1kΩ 1/16W	
					R393	301-331035-016	RESISTOR	10kΩ 1/16W	
					R401	201-000220-185	RESISTOR	2.2Ω 1/8W	
					R402	301-331035-016	RESISTOR	10kΩ 1/16W	
					R403	301-321025-016	RESISTOR	1kΩ 1/16W	
					R404	201-000220-105	RESISTOR	2.2Ω 1W	
					R405	201-000220-105	RESISTOR	2.2Ω 1W	
					R406	301-331035-016	RESISTOR	10kΩ 1/16W	
					R408	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R409	301-322025-016	RESISTOR	2kΩ 1/16W	
					R413	301-332235-016	RESISTOR	22kΩ 1/16W	
					R416	201-002200-125	RESISTOR	22Ω 1/2W	
					R417	201-011500-145	RESISTOR	150Ω 1/4W	
					R419	301-321025-016	RESISTOR	1kΩ 1/16W	
					R421	301-334735-016	RESISTOR	47kΩ 1/16W	
					R422	301-324725-016	RESISTOR	4.7kΩ 1/16W	
					R423	201-001000-105	RESISTOR	10Ω 1W	
IC302	210-008947-000	IC							
IC303	210-001308-000	IC							
IC401	210-007805-022	IC							
IC402	210-007809-039	ZENER IC							
IC403	210-007812-039	ZENER IC							
IC404	210-007809-039	ZENER IC							
Q301	307-008050-030	TRANSISTOR	8050C/D						
Q304	307-009014-030	TRANSISTOR	9014C						
Q305	307-008050-030	TRANSISTOR	8050C/D						
Q306	307-009014-030	TRANSISTOR	9014C						
Q307	307-009014-030	TRANSISTOR	9014C						
Q308	307-009014-030	TRANSISTOR	9014C						
Q309	307-008550-020	TRANSISTOR							
Q313	207-191936-913	TRANSISTOR							
Q314	207-191936-913	TRANSISTOR							
Q403	207-181185-560	TRANSISTOR							
Q406	307-008050-030	TRANSISTOR	8050C/D						
Q409	307-009014-030	TRANSISTOR	9014C						
Q410	207-008550-020	TRANSISTOR							
D301	206-104148-000	DIODE	IN-4148						
D302	206-305817-000	RECTIFIER	IN5817						
D303	206-104148-000	DIODE	IN-4148						
D304	206-104148-000	DIODE	IN-4148						
D305	206-104148-000	DIODE	IN-4148						
D306	206-304001-000	RECTIFIER	IN-4001						
D307	206-304001-000	RECTIFIER	IN-4001						
D308	206-305817-000	RECTIFIER	IN5817						
D309	206-104148-000	DIODE	IN-4148						
D1106	206-304001-000	RECTIFIER	IN-4001						
D1107	206-304001-000	RECTIFIER	IN-4001						
DB1101	206-308040-000	SILICON BRIDGE RECTIFIERS	8.0A						
DB1102	206-308040-000	SILICON BRIDGE RECTIFIERS	8.0A						
C304	302-341045-550	C CAPACITOR	0.1uF/50V						
C308	004-062262-216	E CAPACITOR	22uF/16V						
C313	004-074772-225	E CAPACITOR	470uF/25V						
C319	004-054752-216	E CAPACITOR	4.7uF/16V						
C320	004-054752-216	E CAPACITOR	4.7uF/16V						
C321	004-054752-216	E CAPACITOR	4.7uF/16V						
C322	004-054752-216	E CAPACITOR	4.7uF/16V						
C323	004-072272-216	E CAPACITOR	220uF/16V						
C324	302-312715-550	C CAPACITOR	270pF/50V						
C325	302-312715-550	C CAPACITOR	270pF/50V						
C326	004-072272-216	E CAPACITOR	220uF/16V						
C328	302-332235-550	C CAPACITOR	0.022uF/50V						
C329	004-072272-210	E CAPACITOR	220uF/10V						
C330	004-072272-210	E CAPACITOR	220uF/10V						
C331	302-332235-550	C CAPACITOR	0.022uF/50V						
C340	004-064762-216	E CAPACITOR	47uF/16V						
C401	004-072272-216	E CAPACITOR	220uF/16V						
C402	302-341045-550	C CAPACITOR	0.1uF/50V						
C403	004-072272-250	E CAPACITOR	220uF/50V						
C406	302-341045-550	C CAPACITOR	0.1uF/50V						
C407	004-072272-210	E CAPACITOR	220uF/10V						
C409	004-074772-216	E CAPACITOR	470uF/16V						
C411	004-064762-216	E CAPACITOR	47uF/16V						
C412	004-072272-225	E CAPACITOR	220uF/25V						
C413	004-072272-225	E CAPACITOR	220uF/25V						
C414	302-341045-550	C CAPACITOR	0.1uF/50V						
C415	004-071072-225	E CAPACITOR	100uF/25V						
C436	302-312715-550	C CAPACITOR	270pF/50V						
C438	302-341045-550	C CAPACITOR	0.1uF/50V						
C439	302-312715-550	C CAPACITOR</							

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R445	301-321025-016	RESISTOR	1kΩ 1/16W		C711	302-311015-550	C CAPACITOR	100pF/50V	
R446	301-321025-016	RESISTOR	1kΩ 1/16W		C712	302-311015-550	C CAPACITOR	100pF/50V	
R449	301-322725-016	RESISTOR	2.7KΩ 1/16W		C713	302-311015-550	C CAPACITOR	100pF/50V	
R450	301-322725-016	RESISTOR	2.7KΩ 1/16W		C714	302-331035-550	C CAPACITOR	0.01uF/50V	
R451	301-332235-016	RESISTOR	22kΩ 1/16W		C715	302-331035-550	C CAPACITOR	0.01uF/50V	
R452	301-324725-016	RESISTOR	4.7kΩ 1/16W		C716	302-321025-550	C CAPACITOR	0.001uF/50V	
R456	301-324725-016	RESISTOR	4.7kΩ 1/16W		C717	302-331035-550	C CAPACITOR	0.01uF/50V	
R459	301-322025-016	RESISTOR	2KΩ 1/16W		C718	302-302005-550	C CAPACITOR	20pF/50V	
R460	201-000220-145	RESISTOR	2.2Ω 1/4W		C901	302-311015-550	C CAPACITOR	100pF/50V	
R465	301-325625-016	RESISTOR	5.6KΩ 1/16W		C902	302-306805-550	C CAPACITOR	68pF/50V	
R466	301-324725-016	RESISTOR	4.7kΩ 1/16W		C903	302-306805-550	C CAPACITOR	68pF/50V	
R1104	201-000220-145	RESISTOR	2.2Ω 1/4W		C904	302-306805-550	C CAPACITOR	68pF/50V	
R1105	201-000220-145	RESISTOR	2.2Ω 1/4W		C905	302-306805-550	C CAPACITOR	68pF/50V	
L301	226-000470-002	CHOKE COIL			C906	302-321025-550	C CAPACITOR	0.001uF/50V	
L302	226-000470-002	CHOKE COIL			C907	302-311015-550	C CAPACITOR	100pF/50V	
L303	226-000470-002	CHOKE COIL			C908	302-311015-550	C CAPACITOR	100pF/50V	
L304	226-000470-002	CHOKE COIL			C909	302-311015-550	C CAPACITOR	100pF/50V	
CN302	233-030200-020	CONNECTOR	3PINS 2.0mm		C910	302-331035-550	C CAPACITOR	0.01uF/50V	
CN305	233-040200-020	CONNECTOR	4PINS 2.0mm		C911	302-341045-550	C CAPACITOR	0.1uF/50V	
CN402	233-040200-020	CONNECTOR	4PINS 2.0mm		C912	302-341045-550	C CAPACITOR	0.1uF/50V	
CN404	233-020200-025	CONNECTOR	2PINS 2.5mm		C913	302-341045-550	C CAPACITOR	0.1uF/50V	
CN708	232-160190-310	FFC CONNECTOR	16P		C914	302-341045-550	C CAPACITOR	0.1uF/50V	
CN1101	233-080200-025	CONNECTOR	8PINS 2.5mm		C915	302-341045-550	C CAPACITOR	0.1uF/50V	
CN1104	233-020080-040	CONNECTOR	2PINS 4.0mm		C916	302-341045-550	C CAPACITOR	0.1uF/50V	
JK301	232-340508-325	FFC CONNECTOR	34P		C917	302-351055-550	C CAPACITOR	1uF/50V	
JK306	242-200408-288	SPEAKER TERMINAL			C918	302-341045-550	C CAPACITOR	0.1uF/50V	
ZD402	206-200270-102	Z DIODE	27V 1/2W		C919	302-341045-550	C CAPACITOR	0.1uF/50V	
ZD403	206-200047-102	Z DIODE	4.7V 1/2W		C920	302-341045-550	C CAPACITOR	0.1uF/50V	
ZD405	206-200068-102	Z DIODE	6.8V 1/2W		C921	302-338231-150	C CAPACITOR	0.082uF/50V	
ZD406	206-200056-102	Z DIODE	5.6V 1/2W		C922	302-338231-150	C CAPACITOR	0.082uF/50V	
					C924	302-341045-550	C CAPACITOR	0.1uF/50V	
					C925	302-303005-550	C CAPACITOR	30pF/50V	
					C927	302-341045-550	C CAPACITOR	0.1uF/50V	
					C928	302-341045-550	C CAPACITOR	0.1uF/50V	
					C929	302-303005-550	C CAPACITOR	30pF/50V	
					C930	302-341045-550	C CAPACITOR	0.1uF/50V	
					C931	302-341045-550	C CAPACITOR	0.1uF/50V	
					C933	302-341045-550	C CAPACITOR	0.1uF/50V	
					C934	302-341045-550	C CAPACITOR	0.1uF/50V	
					C935	302-331035-550	C CAPACITOR	0.01uF/50V	
					C936	302-341045-550	C CAPACITOR	0.1uF/50V	
					C937	302-341045-550	C CAPACITOR	0.1uF/50V	
					C938	302-331035-550	C CAPACITOR	0.01uF/50V	
					C939	302-344742-250	C CAPACITOR	0.47uF/50V	
					C940	302-316815-550	C CAPACITOR	680pF/50V	
					C941	302-316815-550	C CAPACITOR	680pF/50V	
					C942	302-334735-550	C CAPACITOR	0.047uF/50V	
					C943	302-341045-550	C CAPACITOR	0.1uF/50V	
					C954	302-341045-550	C CAPACITOR	0.1uF/50V	
					C956	302-341045-550	C CAPACITOR	0.1uF/50V	
					C957	302-341045-550	C CAPACITOR	0.1uF/50V	
					C958	302-341045-550	C CAPACITOR	0.1uF/50V	
					C959	302-341045-550	C CAPACITOR	0.1uF/50V	
					C960	302-341045-550	C CAPACITOR	0.1uF/50V	
					C961	004-074772-210	E CAPACITOR	470uF/10V	
					C962	004-061062-216	E CAPACITOR	10uF/16V	
					C963	302-341045-550	C CAPACITOR	0.1uF/50V	
					C964	302-351055-550	C CAPACITOR	1uF/50V	
					C965	302-351055-550	C CAPACITOR	1uF/50V	
					C966	004-061062-216	E CAPACITOR	10uF/16V	
					C967	004-071072-210	E CAPACITOR	100uF/10V	
					C968	302-351055-550	C CAPACITOR	1uF/50V	
					C969	004-061062-216	E CAPACITOR	10uF/16V	
					C970	004-064762-210	E CAPACITOR	47uF/10V	
					C971	004-061062-216	E CAPACITOR	10uF/16V	
					C972	004-072272-216	E CAPACITOR	220uF/16V	
					C973	302-351055-550	C CAPACITOR	1uF/50V	
					C974	004-054752-250	E CAPACITOR	4.7uF/50V	
					C975	004-054752-250	E CAPACITOR	4.7uF/50V	
					C977	004-064762-210	E CAPACITOR	47uF/10V	
					C978	004-081082-210	E CAPACITOR	1000uF/10V	
					C979	302-351055-550	C CAPACITOR	1uF/50V	
					C980	004-051052-250	E CAPACITOR	1uF/50V	
					C983	302-311015-550	C CAPACITOR	100pF/50V	
					C984	302-311015-550	C CAPACITOR	100pF/50V	
					C985	302-331035-550	C CAPACITOR	0.01uF/50V	
					C986	302-301005-550	C CAPACITOR	10pF/50V	
					C987	302-306805-550	C CAPACITOR	68pF/50V	

## CD board

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

△ Symbol No.	Part No.	Part Name	Description	Local
IC401	310-001526-100	IC	AIC1526	
IC404	310-001117-104	IC	AZ1117 TO-252-2(1)	
IC701	310-002402-102	IC		
IC901	310-005675-128	IC		
IC902	310-002520-008	IC		
IC903	310-009258-128	IC	SA9258PH (3V3)	
U701	310-006812-132	IC		
Q901	307-008050-030	TRANSISTOR	8050C/D	
Q902	307-008050-030	TRANSISTOR	8050C/D	
Q903	207-008550-020	TRANSISTOR		
Q904	307-008550-020	TRANSISTOR		
Q905	307-008050-030	TRANSISTOR	8050C/D	
Q906	307-008050-030	TRANSISTOR	8050C/D	
D410	206-304001-000	RECTIFIER	IN-4001	
D701	206-305819-000	RECTIFIER	IN-5819	
D702	206-104148-000	DIODE	IN-4148	
D902	206-104148-000	DIODE	IN-4148	
D903	206-104148-000	DIODE	IN-4148	
D904	206-104148-000	DIODE	IN-4148	
D905	206-104148-000	DIODE	IN-4148	
C407	302-311015-550	C CAPACITOR	100pF/50V	
C411	302-341045-550	C CAPACITOR	0.1uF/50V	
C441	004-061062-216	E CAPACITOR	10uF/16V	
C442	302-341045-550	C CAPACITOR	0.1uF/50V	
C701	302-341045-550	C CAPACITOR	0.1uF/50V	
C702	302-341045-550	C CAPACITOR	0.1uF/50V	
C703	302-341045-550	C CAPACITOR	0.1uF/50V	
C705	302-302005-550	C CAPACITOR	20pF/50V	
C706	302-302005-550	C CAPACITOR	20pF/50V	
C707	302-301805-550	C CAPACITOR	18pF/50V	
C708	302-301805-550	C CAPACITOR	18pF/50V	
C709	302-311015-550	C CAPACITOR	100pF/50V	
C710	302-311015-550	C CAPACITOR	100pF/50V	



△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C988	302-306805-550	C CAPACITOR	68pF/50V		R942	301-300005-016	RESISTOR	0Ω 1/16W	
C989	302-306805-550	C CAPACITOR	68pF/50V		R944	301-100005-014	RESISTOR	0Ω 1/4W	
C990	302-341045-550	C CAPACITOR	0.1uF/50V		R945	301-325125-016	RESISTOR	5.1kΩ 1/16W	
C991	302-311515-550	C CAPACITOR	150pF/50V		R946	301-333335-016	RESISTOR	33kΩ	
C992	004-054752-250	E CAPACITOR	4.7uF/50V		R947	301-341045-016	RESISTOR	100kΩ 1/16W	
C994	302-321025-550	C CAPACITOR	0.001uF/50V		R948	301-324725-016	RESISTOR	4.7kΩ 1/16W	
C995	302-311015-550	C CAPACITOR	100pF/50V		R949	301-324725-016	RESISTOR	4.7kΩ 1/16W	
C996	003-041048-250	C CAPACITOR	0.1uF/50V		R957	301-321025-016	RESISTOR	1kΩ 1/16W	
C997	302-341045-550	C CAPACITOR	0.1uF/50V		R958	301-321025-016	RESISTOR	1kΩ 1/16W	
C998	302-331035-550	C CAPACITOR	0.01uF/50V		R966	301-321025-016	RESISTOR	1kΩ 1/16W	
C999	004-061062-216	E CAPACITOR	10uF/16V		R968	301-334735-016	RESISTOR	47kΩ 1/16W	
TC701	004-072272-216	E CAPACITOR	220uF/16V		R969	301-300005-016	RESISTOR	0Ω 1/16W	
					R970	301-321025-016	RESISTOR	1kΩ 1/16W	
R416	301-331035-016	RESISTOR	10kΩ 1/16W		R971	301-321025-016	RESISTOR	1kΩ 1/16W	
R438	301-300005-016	RESISTOR	0Ω 1/16W		R981	301-300005-016	RESISTOR	0Ω 1/16W	
R439	301-300005-016	RESISTOR	0Ω 1/16W		R982	301-300005-016	RESISTOR	0Ω 1/16W	
R470	001-000225-012	TAPPING RESISTOR	2.2Ω 1/2W		R984	301-324725-016	RESISTOR	4.7kΩ 1/16W	
R701	301-341045-016	RESISTOR	100kΩ 1/16W		R985	301-314715-016	RESISTOR	470Ω 1/16W	
R705	301-321025-016	RESISTOR	1kΩ 1/16W		R986	301-332235-016	RESISTOR	22kΩ 1/16W	
R706	301-331035-016	RESISTOR	10kΩ 1/16W		R987	301-331035-016	RESISTOR	10kΩ 1/16W	
R707	322-134000-221	FERRITE BEAD			R988	301-321025-016	RESISTOR	1kΩ 1/16W	
R708	301-331035-016	RESISTOR	10kΩ 1/16W		R989	301-331035-016	RESISTOR	10kΩ 1/16W	
R709	301-321025-016	RESISTOR	1kΩ 1/16W		R990	301-331035-016	RESISTOR	10kΩ 1/16W	
R710	301-331035-016	RESISTOR	10kΩ 1/16W		R991	301-331035-016	RESISTOR	10kΩ 1/16W	
R711	301-321025-016	RESISTOR	1kΩ 1/16W		R993	301-300005-016	RESISTOR	0Ω 1/16W	
R712	301-321025-016	RESISTOR	1kΩ 1/16W		R994	301-324725-016	RESISTOR	4.7kΩ 1/16W	
R713	301-321025-016	RESISTOR	1kΩ 1/16W		R995	301-321025-016	RESISTOR	1kΩ 1/16W	
R714	301-321025-016	RESISTOR	1kΩ 1/16W		R996	301-331035-016	RESISTOR	10kΩ 1/16W	
R715	301-321025-016	RESISTOR	1kΩ 1/16W		R997	301-331035-016	RESISTOR	10kΩ 1/16W	
R716	301-321025-016	RESISTOR	1kΩ 1/16W		R998	301-321025-016	RESISTOR	1kΩ 1/16W	
R717	301-321025-016	RESISTOR	1kΩ 1/16W		R999	301-321025-016	RESISTOR	1kΩ 1/16W	
R718	301-321025-016	RESISTOR	1kΩ 1/16W						
R719	301-321025-016	RESISTOR	1kΩ 1/16W		L900	322-134000-221	FERRITE BEAD		
R720	301-321025-016	RESISTOR	1kΩ 1/16W		L901	226-002600-000	CHOKE COIL		
R721	301-321025-016	RESISTOR	1kΩ 1/16W		L902	322-134000-221	FERRITE BEAD		
R722	301-321025-016	RESISTOR	1kΩ 1/16W		L905	322-134000-221	FERRITE BEAD		
R723	301-300005-016	RESISTOR	0Ω 1/16W		L906	322-134000-221	FERRITE BEAD		
R724	301-351055-016	RESISTOR	1MΩ 1/16W		L907	322-134000-221	FERRITE BEAD		
R739	301-321025-016	RESISTOR	1kΩ 1/16W		L908	322-134000-221	FERRITE BEAD		
R740	301-324725-016	RESISTOR	4.7kΩ 1/16W		L909	322-134000-221	FERRITE BEAD		
R741	301-324725-016	RESISTOR	4.7kΩ 1/16W		L910	322-134000-221	FERRITE BEAD		
R742	301-321025-016	RESISTOR	1kΩ 1/16W		L911	322-134000-221	FERRITE BEAD		
R743	301-321025-016	RESISTOR	1kΩ 1/16W		L912	322-134000-221	FERRITE BEAD		
R744	322-134000-220	FERRITE BEAD			L913	322-134000-221	FERRITE BEAD		
R745	322-134000-220	FERRITE BEAD			L914	322-134000-221	FERRITE BEAD		
R746	301-331035-016	RESISTOR	10kΩ 1/16W		L915	322-134000-221	FERRITE BEAD		
R748	322-134000-221	FERRITE BEAD			L916	322-134000-221	FERRITE BEAD		
R750	301-321025-016	RESISTOR	1kΩ 1/16W		L917	322-134000-221	FERRITE BEAD		
R751	301-321025-016	RESISTOR	1kΩ 1/16W		L918	322-134000-221	FERRITE BEAD		
R752	322-134000-221	FERRITE BEAD			L919	322-134000-221	FERRITE BEAD		
R753	301-300005-016	RESISTOR	0Ω 1/16W		L931	322-134000-220	FERRITE BEAD		
R912	301-331035-016	RESISTOR	10kΩ 1/16W		L932	322-134000-220	FERRITE BEAD		
R913	301-331035-016	RESISTOR	10kΩ 1/16W		L933	301-300005-016	RESISTOR	0Ω 1/16W	
R914	301-331035-016	RESISTOR	10kΩ 1/16W		L944	326-230000-202	COIL		
R915	301-331035-016	RESISTOR	10kΩ 1/16W		L945	326-230000-202	COIL		
R916	301-331035-016	RESISTOR	10kΩ 1/16W						
R917	301-331035-016	RESISTOR	10kΩ 1/16W		CN603	233-040200-020	CONNECTOR	4PINS 2.0mm	
R918	301-331035-016	RESISTOR	10kΩ 1/16W		CN702	232-230200-310	FFC CONNECTOR	FFC23P 1.0mm	
R919	301-331035-016	RESISTOR	10kΩ 1/16W		CN901	233-090200-020	HEADER	9PINS 2.0mm	
R921	322-134000-221	FERRITE BEAD			CN905	232-160190-210	FFC CONNECTOR	FFC16PINS 1.0mm	
R922	301-331035-016	RESISTOR	10kΩ 1/16W		CN907	233-060200-020	CONNECTOR	6PINS 2.0mm	
R923	301-321025-016	RESISTOR	1kΩ 1/16W		X701	228-368000-002	RESONATOR	3.68MHz	
R924	301-331035-016	RESISTOR	10kΩ 1/16W		X702	229-327680-292	CRYSTAL	32.768KHz	
R925	322-134000-221	FERRITE BEAD			X901	229-169344-002	CRYSTAL	16.9344 MHz	
R926	301-331035-016	RESISTOR	10kΩ 1/16W						
R927	322-134000-221	FERRITE BEAD							
R928	301-341045-016	RESISTOR	100kΩ 1/16W						
R929	301-341045-016	RESISTOR	100kΩ 1/16W						
R930	301-300005-016	RESISTOR	0Ω 1/16W						
R931	301-300005-016	RESISTOR	0Ω 1/16W						
R932	301-300005-016	RESISTOR	0Ω 1/16W						
R934	301-313315-016	RESISTOR	330Ω 1/16W						
R935	301-301005-016	RESISTOR	10Ω 1/16W						
R936	301-341045-016	RESISTOR	100kΩ 1/16W						
R937	301-333335-016	RESISTOR	33kΩ						
R938	301-331035-016	RESISTOR	10kΩ 1/16W						
R939	301-331035-016	RESISTOR	10kΩ 1/16W						
R941	301-324725-016	RESISTOR	4.7kΩ 1/16W						

## Display board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
IC701	310-016311-154	IC		
Q701	307-009014-030	TRANSISTOR	9014C	
Q702	307-008550-020	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
Q703	307-008050-030	TRANSISTOR	8050C/D		L305	221-045030-014	FERRITE BEAD		
Q704	307-008550-020	TRANSISTOR			L306	221-045030-014	FERRITE BEAD		
Q710	307-008550-020	TRANSISTOR			L307	221-045030-014	FERRITE BEAD		
D706	206-304001-000	RECTIFIER	IN-4001		L308	221-045030-014	FERRITE BEAD		
D707	206-304001-000	RECTIFIER	IN-4001		L309	221-045030-014	FERRITE BEAD		
C375	302-331035-550	C CAPACITOR	0.01uF/50V		L310	221-045030-014	FERRITE BEAD		
C376	302-321025-550	C CAPACITOR	0.001uF/50V		L311	221-045030-014	FERRITE BEAD		
C377	302-331035-550	C CAPACITOR	0.01uF/50V		L701	301-321025-016	RESISTOR	1kΩ 1/16W	
C445	302-321025-550	C CAPACITOR	0.001uF/50V		L702	301-321025-016	RESISTOR	1kΩ 1/16W	
C446	302-321025-550	C CAPACITOR	0.001uF/50V		L703	301-321025-016	RESISTOR	1kΩ 1/16W	
C460	302-341045-550	C CAPACITOR	0.1uF/50V		L704	322-134000-221	FERRITE BEAD		
C468	302-341045-550	C CAPACITOR	0.1uF/50V		CN303	232-160190-210	FFC CONNECTOR	16P	
C469	302-341045-550	C CAPACITOR	0.1uF/50V		CN702	233-051200-020	CONNECTOR	5PINS 2.0mm	
C470	302-312215-550	C CAPACITOR	220pF/50V		IR701	206-100338-112	DIODE	3.3V	
C471	302-312215-550	C CAPACITOR	220pF/50V		JK302	240-135610-902	EARPHONE JACK	JY-3561	
C702	302-341045-550	C CAPACITOR	0.1uF/50V		JK304	240-135610-902	EARPHONE JACK	JY-3561	
C704	302-341045-550	C CAPACITOR	0.1uF/50V		LED701	227-080300-800	LED	RED	
C705	004-164762-216	E CAPACITOR	47uF/16V		LED702	227-080300-800	LED	RED	
C706	302-341045-550	C CAPACITOR	0.1uF/50V		SW701	217-060650-500	TACT SWITCH		
C707	004-064762-225	E CAPACITOR	47uF/25V		SW702	217-060650-500	TACT SWITCH		
C709	302-311015-550	C CAPACITOR	100pF/50V		SW707	217-060650-500	TACT SWITCH		
C730	302-311015-550	C CAPACITOR	100pF/50V		SW711	217-060650-500	TACT SWITCH		
C731	302-311015-550	C CAPACITOR	100pF/50V		SW714	217-060650-500	TACT SWITCH		
C733	302-311015-550	C CAPACITOR	100pF/50V		SW715	217-060650-500	TACT SWITCH		
C753	302-341045-550	C CAPACITOR	0.1uF/50V		VFD701	220-025100-015	VFD DISPLAY	25100-1A11 15MM	
C754	004-164762-216	E CAPACITOR	47uF/16V						
C755	302-341045-550	C CAPACITOR	0.1uF/50V						
C756	302-311015-550	C CAPACITOR	100pF/50V						
C757	302-341045-550	C CAPACITOR	0.1uF/50V						
C758	302-341045-550	C CAPACITOR	0.1uF/50V						
C759	302-341045-550	C CAPACITOR	0.1uF/50V						
C764	302-311015-550	C CAPACITOR	100pF/50V						
C765	302-311015-550	C CAPACITOR	100pF/50V						
C767	302-311015-550	C CAPACITOR	100pF/50V						
C768	302-311015-550	C CAPACITOR	100pF/50V						
C769	302-311015-550	C CAPACITOR	100pF/50V						
C770	302-341045-550	C CAPACITOR	0.1uF/50V						
C771	302-161061-116	C CAPACITOR	10uF/16V						
C772	302-161061-116	C CAPACITOR	10uF/16V						
R380	301-322725-016	RESISTOR	2.7kΩ 1/16W						
R382	301-332235-016	RESISTOR	22kΩ 1/16W						
R383	301-311215-016	RESISTOR	120Ω 1/16W						
R384	301-311215-016	RESISTOR	120Ω 1/16W						
R386	301-342745-016	RESISTOR	270kΩ 1/16W						
R387	301-342745-016	RESISTOR	270kΩ 1/16W						
R388	301-322225-016	RESISTOR	2.2kΩ 1/16W						
R389	301-322225-016	RESISTOR	2.2kΩ 1/16W						
R390	301-321025-016	RESISTOR	1kΩ 1/16W						
R701	201-000560-125	RESISTOR	5.6Ω 1/2W						
R702	201-001000-125	RESISTOR	10Ω 1/2W						
R704	301-335635-016	RESISTOR	56kΩ 1/16W						
R708	301-331035-016	RESISTOR	10kΩ 1/16W						
R711	301-325625-016	RESISTOR	5.6kΩ 1/16W						
R712	301-332735-016	RESISTOR	27kΩ 1/16W						
R716	301-311015-016	RESISTOR	100Ω 1/16W						
R717	301-331035-016	RESISTOR	10kΩ 1/16W						
R718	301-300000-000	RESISTOR	0Ω						
R719	301-332235-016	RESISTOR	22kΩ 1/16W						
R720	301-321025-016	RESISTOR	1kΩ 1/16W						
R721	301-321025-016	RESISTOR	1kΩ 1/16W						
R722	301-321025-016	RESISTOR	1kΩ 1/16W						
R761	301-311015-016	RESISTOR	100Ω 1/16W						
R764	301-338235-016	RESISTOR	82kΩ						
R769	301-321025-016	RESISTOR	1kΩ 1/16W						
R773	301-322225-016	RESISTOR	2.2kΩ 1/16W						
R774	301-328225-016	RESISTOR	8.2kΩ 1/16W						
R776	301-321025-016	RESISTOR	1kΩ 1/16W						
R777	301-344745-016	RESISTOR	470kΩ 1/16W						
R778	301-331035-016	RESISTOR	10kΩ 1/16W						
R779	301-331035-016	RESISTOR	10kΩ 1/16W						
R784	301-331035-016	RESISTOR	10kΩ 1/16W						
R785	301-331035-016	RESISTOR	10kΩ 1/16W						
R786	301-331035-016	RESISTOR	10kΩ 1/16W						
R787	301-331035-016	RESISTOR	10kΩ 1/16W						
R788	301-331035-016	RESISTOR	10kΩ 1/16W						
<b>EQ board</b>									
<b>Block No. [0][4]</b>									
△ Symbol No.	Part No.	Part Name	Description	Local					
IC301	310-007314-100	IC							
IC502	210-001641-000	IC							
Q401	307-008550-020	TRANSISTOR							
D401	206-104148-000	DIODE	IN-4148						
D402	206-104148-000	DIODE	IN-4148						
C301	302-314715-550	C CAPACITOR	470pF/50V						
C302	302-314715-550	C CAPACITOR	470pF/50V						
C351	004-062262-216	E CAPACITOR	22uF/16V						
C352	004-081082-210	E CAPACITOR	1000uF/10V						
C353	302-322725-550	C CAPACITOR	0.027uF/50V						
C354	004-054752-216	E CAPACITOR	4.7uF/16V						
C355	004-054752-216	E CAPACITOR	4.7uF/16V						
C356	005-041041-199	M CAPACITOR	0.1uF/100V						
C357	004-054752-216	E CAPACITOR	4.7uF/16V						
C358	302-322725-550	C CAPACITOR	0.027uF/50V						
C359	005-041041-199	M CAPACITOR	0.1uF/100V						
C361	005-041041-199	M CAPACITOR	0.1uF/100V						
C362	005-041041-199	M CAPACITOR	0.1uF/100V						
C363	302-351055-550	C CAPACITOR	1uF/50V						
C364	302-351055-550	C CAPACITOR	1uF/50V						
C365	302-312715-550	C CAPACITOR	270pF/50V						
C366	302-312715-550	C CAPACITOR	270pF/50V						
C367	005-041041-199	M CAPACITOR	0.1uF/100V						
C368	005-041041-199	M CAPACITOR	0.1uF/100V						
C370	302-351055-550	C CAPACITOR	1uF/50V						
C371	302-351055-550	C CAPACITOR	1uF/50V						
C372	302-351055-550	C CAPACITOR	1uF/50V						
C373	004-054752-216	E CAPACITOR	4.7uF/16V						
C374	302-351055-550	C CAPACITOR	1uF/50V						
C378	302-341045-550	C CAPACITOR	0.1uF/50V						
C382	326-230000-202	COIL							
C383	326-230000-202	COIL							
C384	326-230000-202	COIL							
C385	326-230000-202	COIL							
C386	302-321025-550	C CAPACITOR	0.001uF/50V						
C387	302-331035-550	C CAPACITOR	0.01uF/50V						
C388	302-341045-550	C CAPACITOR	0.1uF/50V						
C389	302-341045-550	C CAPACITOR	0.1uF/50V						

△ Symbol No.	Part No.	Part Name	Description	Local
C390	302-321025-550	C CAPACITOR	0.001uF/50V	
C391	302-321025-550	C CAPACITOR	0.001uF/50V	
C392	302-321025-550	C CAPACITOR	0.001uF/50V	
C393	302-321025-550	C CAPACITOR	0.001uF/50V	
C394	301-300005-016	RESISTOR	0Ω 1/16W	
C395	302-326821-150	C CAPACITOR	0.0068uF/50V	
C396	302-326821-150	C CAPACITOR	0.0068uF/50V	
C397	302-341045-550	C CAPACITOR	0.1uF/50V	
C398	302-321025-550	C CAPACITOR	0.001uF/50V	
C399	302-321025-550	C CAPACITOR	0.001uF/50V	
C400	302-341045-550	C CAPACITOR	0.1uF/50V	
C427	302-341045-550	C CAPACITOR	0.1uF/50V	
C428	004-072272-216	E CAPACITOR	220uF/16V	
C430	302-341045-550	C CAPACITOR	0.1uF/50V	
C431	302-341045-550	C CAPACITOR	0.1uF/50V	
C432	302-341045-550	C CAPACITOR	0.1uF/50V	
C433	302-341045-550	C CAPACITOR	0.1uF/50V	
C434	302-341045-550	C CAPACITOR	0.1uF/50V	
C435	302-341045-550	C CAPACITOR	0.1uF/50V	
C461	302-311515-550	C CAPACITOR	150pF/50V	
C463	302-321025-550	C CAPACITOR	0.001uF/50V	
C480	302-311015-550	C CAPACITOR	100pF/50V	
C481	302-311015-550	C CAPACITOR	100pF/50V	
C489	302-341045-550	C CAPACITOR	0.1uF/50V	
C491	302-341045-550	C CAPACITOR	0.1uF/50V	
C498	302-341045-550	C CAPACITOR	0.1uF/50V	
C505	302-311015-550	C CAPACITOR	100pF/50V	
C507	302-311015-550	C CAPACITOR	100pF/50V	
C600	301-300005-016	RESISTOR	0Ω 1/16W	
C610	301-300005-016	RESISTOR	0Ω 1/16W	
C611	004-072272-216	E CAPACITOR	220uF/16V	
R361	301-311015-016	RESISTOR	100Ω 1/16W	
R362	301-326825-016	RESISTOR	6.8kΩ	
R363	301-322225-016	RESISTOR	2.2kΩ 1/16W	
R364	301-322225-016	RESISTOR	2.2kΩ 1/16W	
R365	301-326825-016	RESISTOR	6.8kΩ	
R366	301-324725-016	RESISTOR	4.7kΩ 1/16W	
R367	301-324725-016	RESISTOR	4.7kΩ 1/16W	
R368	301-326825-016	RESISTOR	6.8kΩ	
R369	301-326825-016	RESISTOR	6.8kΩ	
R375	301-300005-016	RESISTOR	0Ω 1/16W	
R376	301-300005-016	RESISTOR	0Ω 1/16W	
R378	301-311015-016	RESISTOR	100Ω 1/16W	
R379	301-311015-016	RESISTOR	100Ω 1/16W	
R418	301-321025-016	RESISTOR	1kΩ 1/16W	
R429	301-324725-016	RESISTOR	4.7kΩ 1/16W	
R432	301-300005-016	RESISTOR	0Ω 1/16W	
R433	301-300005-016	RESISTOR	0Ω 1/16W	
R439	301-321025-016	RESISTOR	1kΩ 1/16W	
R440	301-321025-016	RESISTOR	1kΩ 1/16W	
R441	301-300005-016	RESISTOR	0Ω 1/16W	
R442	301-321025-016	RESISTOR	1kΩ 1/16W	
R443	301-321025-016	RESISTOR	1kΩ 1/16W	
R447	301-201005-018	RESISTOR	10Ω 1/8W	
R448	301-201005-018	RESISTOR	10Ω 1/8W	
R457	301-300005-016	RESISTOR	0Ω 1/16W	
R467	001-001005-014	TAPPING RESISTOR	10Ω 1/4	
R468	301-321025-016	RESISTOR	1kΩ 1/16W	
R469	301-300005-016	RESISTOR	0Ω 1/16W	
R474	301-300005-016	RESISTOR	0Ω 1/16W	
R735	301-321025-016	RESISTOR	1kΩ 1/16W	
R736	301-321025-016	RESISTOR	1kΩ 1/16W	
R737	301-321025-016	RESISTOR	1kΩ 1/16W	
R747	301-300005-016	RESISTOR	0Ω 1/16W	
R772	301-322225-016	RESISTOR	2.2kΩ 1/16W	
L503	326-230000-202	COIL		
L504	326-230000-202	COIL		
L510	226-001000-002	CHOKE COIL	10uH	
CN504	232-100160-312	FFC CONNECTOR	FFC10PINS 1.25mm	
CN703	233-020200-020	CONNECTOR	2PINS 2.0mm	
CN709	232-230200-310	FFC CONNECTOR	FFC23P 1.0mm	
JK305	232-340508-325	FFC CONNECTOR	FFC34PINS 2.8mm	
ZD401	206-200062-102	Z DIODE	6.2V 1/2W	
ZD501	206-200051-102	Z DIODE	5.1V 1/2W	

## Rectifier board

△ Symbol No.	Part No.	Part Name	Description	Local
IC1101	310-001117-104	IC	AZ1117 TO-252-2(1)	
Q1102	307-009014-030	TRANSISTOR	9014C	
Q1103	307-009015-013	TRANSISTOR		
D1101	206-104148-000	DIODE	IN-4148	
D1102	206-304001-000	RECTIFIER	IN-4001	
D1103	206-304001-000	RECTIFIER	IN-4001	
D1104	206-304001-000	RECTIFIER	IN-4001	
D1105	206-304001-000	RECTIFIER	IN-4001	
D1108	206-305817-000	RECTIFIER	IN5817	
C1101	003-034738-250	C CAPACITOR	0.047uF/50V	
C1102	003-034738-250	C CAPACITOR	0.047uF/50V	
C1103	003-034738-250	C CAPACITOR	0.047uF/50V	
C1104	003-034738-250	C CAPACITOR	0.047uF/50V	
C1105	004-081082-225	E CAPACITOR	1000uF/25V	
C1106	003-031038-240	C CAPACITOR	0.01uF/400V	
△ C1107	003-031038-240	C CAPACITOR	0.01uF/400V	
C1111	004-081082-225	E CAPACITOR	1000uF/25V	
C1114	004-071072-216	E CAPACITOR	100uF/16V	
C1115	004-062262-216	E CAPACITOR	22uF/16V	
C1116	302-341045-550	C CAPACITOR	0.1uF/50V	
C1117	302-341045-550	C CAPACITOR	0.1uF/50V	
C1118	302-341045-550	C CAPACITOR	0.1uF/50V	
R1101	301-311815-016	RESISTOR	180Ω	
R1102	301-324725-016	RESISTOR	4.7kΩ 1/16W	
R1103	301-311815-016	RESISTOR	180Ω	
R1106	301-311815-016	RESISTOR	180Ω	
R1107	301-311815-016	RESISTOR	180Ω	
R1108	301-311815-016	RESISTOR	180Ω	
R1109	301-322025-016	RESISTOR	2KΩ 1/16W	
R1110	301-322025-016	RESISTOR	2KΩ 1/16W	
R1111	301-311815-016	RESISTOR	180Ω	
R1112	301-311815-016	RESISTOR	180Ω	
R1113	301-311815-016	RESISTOR	180Ω	
△ L1101	226-054000-000	CHOKE COIL	540uH	
CN1102	233-020119-080	CONNECTOR	2PINS 7.92mm	
CN1103	410-020180-100	CONTACT PIN	A2361W 2 PINS S35	
△ RL1101	280-700600-120	RELAY		

## Tuner board

△ Symbol No.	Part No.	Part Name	Description	Local
IC101	310-004705-120	IC		
D103	306-000099-003	TRANSISTOR		
C101	302-402205-550	C CAPACITOR	22pF/50V	
C102	302-441041-150	C CAPACITOR	0.1uF/50V	
C103	302-441041-150	C CAPACITOR	0.1uF/50V	
C104	302-402205-550	C CAPACITOR	22pF/50V	
C105	302-402205-550	C CAPACITOR	22pF/50V	
C106	302-341045-550	C CAPACITOR	0.1uF/50V	
C109	302-303305-550	C CAPACITOR	33pF/50V	
C110	302-303305-550	C CAPACITOR	33pF/50V	
C112	302-331035-550	C CAPACITOR	0.01uF/50V	
C114	302-351055-550	C CAPACITOR	1uF/50V	
C115	302-351055-550	C CAPACITOR	1uF/50V	
C116	302-331831-150	C CAPACITOR	0.018uF/50V	
C117	302-331831-150	C CAPACITOR	0.018uF/50V	
C120	004-071072-210	E CAPACITOR	100uF/10V	
R101	301-300005-016	RESISTOR	0Ω 1/16W	
R102	301-301005-016	RESISTOR	10Ω 1/16W	

Block No. [0][5]

Block No. [0][6]

Symbol No.	Part No.	Part Name	Description	Local
R103	301-434735-016	RESISTOR	47kΩ	
R104	301-431035-016	RESISTOR	10kΩ	
R105	301-431035-016	RESISTOR	10kΩ	
R107	301-300005-016	RESISTOR	0Ω 1/16W	
R108	301-300005-016	RESISTOR	0Ω 1/16W	
R109	301-311015-016	RESISTOR	100Ω 1/16W	
R117	322-134000-221	FERRITE BEAD		
R119	322-134000-221	FERRITE BEAD		
R120	301-300005-016	RESISTOR	0Ω 1/16W	
R131	301-321025-016	RESISTOR	1kΩ 1/16W	
CF101	208-880108-750	BAND PASS FILTER	75Ω	
CN101	232-100160-312	FFC CONNECTOR	FFC10PINS 1.25mm	
JK101	242-010000-050	FM FM ANTENNA JACK		
X101	229-327680-200	CRYSTAL	32.768KHz	

## Control board

Block No. [0][7]

Symbol No.	Part No.	Part Name	Description	Local
C751	302-331035-550	C CAPACITOR	0.01uF/50V	
R762	301-328225-016	RESISTOR	8.2kΩ 1/16W	
R765	301-321025-016	RESISTOR	1kΩ 1/16W	
R767	301-338235-016	RESISTOR	82kΩ	
R768	301-322225-016	RESISTOR	2.2kΩ 1/16W	
R770	301-325625-016	RESISTOR	5.6kΩ 1/16W	
R771	301-331235-016	RESISTOR	12kΩ 1/16W	
R775	301-311015-016	RESISTOR	100Ω 1/16W	
SW712	217-060650-500	TACT SWITCH		
SW713	217-060650-500	TACT SWITCH		
SW716	217-060650-500	TACT SWITCH		
SW717	217-060650-500	TACT SWITCH		
SW718	217-060650-500	TACT SWITCH		
SW719	217-060650-500	TACT SWITCH		
SW720	217-060650-500	TACT SWITCH		

## Volume board

Block No. [0][8]

Symbol No.	Part No.	Part Name	Description	Local
C416	302-341045-550	C CAPACITOR	0.1uF/50V	
C417	302-341045-550	C CAPACITOR	0.1uF/50V	
C418	302-341045-550	C CAPACITOR	0.1uF/50V	
C419	302-311015-550	C CAPACITOR	100pF/50V	
C420	302-311015-550	C CAPACITOR	100pF/50V	
R470	301-312715-016	RESISTOR	270Ω 1/16W	
R471	301-312715-016	RESISTOR	270Ω 1/16W	
R472	301-312715-016	RESISTOR	270Ω 1/16W	
VR401	270-122105-152	ROTARY ENCODER		
LED401	227-080500-021	LED	BLUE	
LED402	227-080500-021	LED	BLUE	
LED403	227-080500-021	LED	BLUE	

## USB board

Block No. [0][9]

Symbol No.	Part No.	Part Name	Description	Local
D601	206-104148-000	DIODE	IN-4148	
D602	206-104148-000	DIODE	IN-4148	

Symbol No.	Part No.	Part Name	Description	Local
C483	302-321025-550	C CAPACITOR	0.001uF/50V	
C601	004-061062-216	E CAPACITOR	10uF/16V	
C602	302-321025-550	C CAPACITOR	0.001uF/50V	
L601	322-134000-220	FERRITE BEAD		
L603	322-134000-220	FERRITE BEAD		
L604	301-300000-000	RESISTOR	0Ω	
L605	301-300000-000	RESISTOR	0Ω	
JK601	253-040145-120	USB CONNECTOR	4PIN 2.0mm	

## CD door switch board

Block No. [1][0]

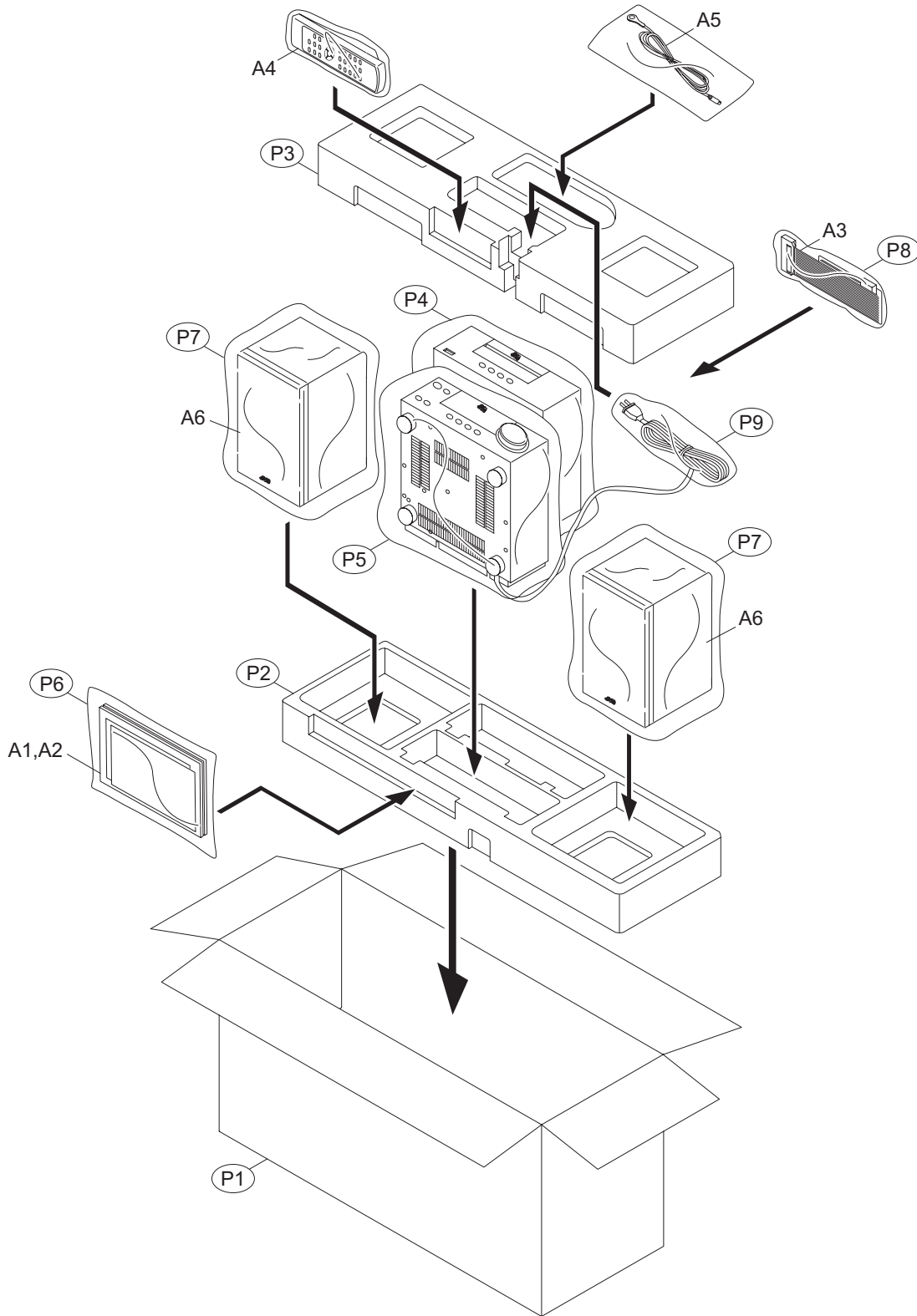
Symbol No.	Part No.	Part Name	Description	Local
C613	302-321025-550	C CAPACITOR	0.001uF/50V	
C614	302-321025-550	C CAPACITOR	0.001uF/50V	
C615	302-321025-550	C CAPACITOR	0.001uF/50V	
CN2701	233-051200-020	CONNECTOR	5PINS 2.0mm	
SW2701	218-110215-109	PUSH SWITCH	LF-109	



# Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDS are available.vv



The parts without symbol number are not service.

## Packing and Accessories

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

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	601-TB3000-010	INST BOOK	ENG	A
	A 1	601-TB3000-020	INST BOOK	GER/FRE/ITA/DUT	B
	A 1	601-TB3000-030	INST BOOK	SPA/DAN/FIN/SWE/POR	C
	A 1	601-TB3000-040	INST BOOK	RUS/HUN/CZE/POL	D
	A 2	-----	WARRANTY CARD	BT-54039-1	
	A 3	244-342810-350	SYSTEM CABLE		
	A 4	RM-SUXTB30R	REMOCON UNIT		
	A 5	237-241500-012	FM ANTENNA		
	A 6	669-TB3000-000	SPK WITH BOX	(x2)	
	P 1	891-TB3012-010	CARTON		
	P 2	875-TB3000-000	POLY FOAM	BOTTOM	
	P 3	874-TB3000-000	POLY FOAM	TOP	
	P 4	678-400380-040	POLY BAG		
	P 5	678-400380-030	POLY BAG		
	P 6	676-070100-040	POLY BAG		
	P 7	678-400450-030	POLY BAG	(x2)	
	P 8	678-400380-040	POLY BAG		
	P 9	676-040210-040	POLY BAG		

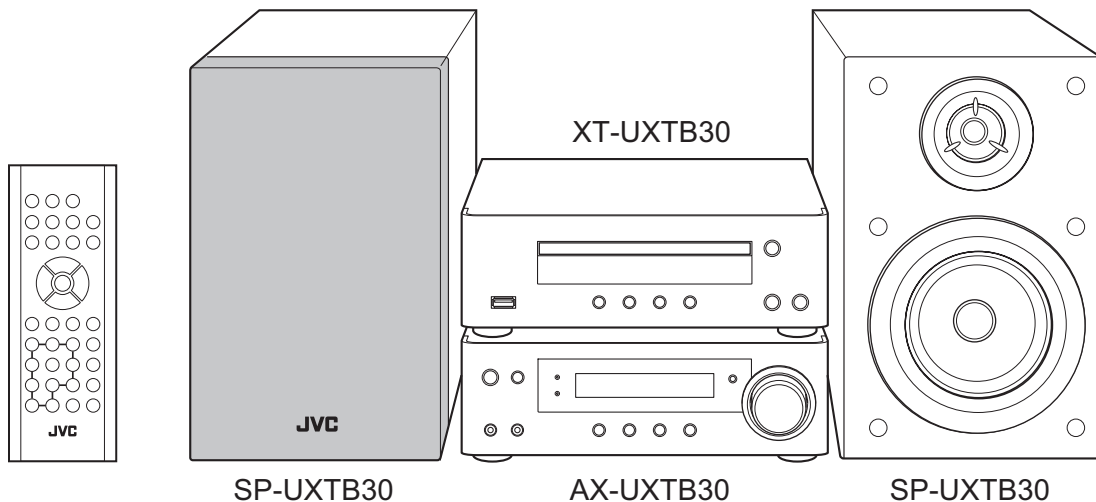
# JVC

## SCHEMATIC DIAGRAMS

### COMPACT COMPONENT SYSTEM

# UX-TB30B, UX-TB30E, UX-TB30EN, UX-TB30EV

DVD-ROM No.SML2009S2



**COMPACT**  
**disc**  
DIGITAL AUDIO

## **MP3/WMA Radio Data System**

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

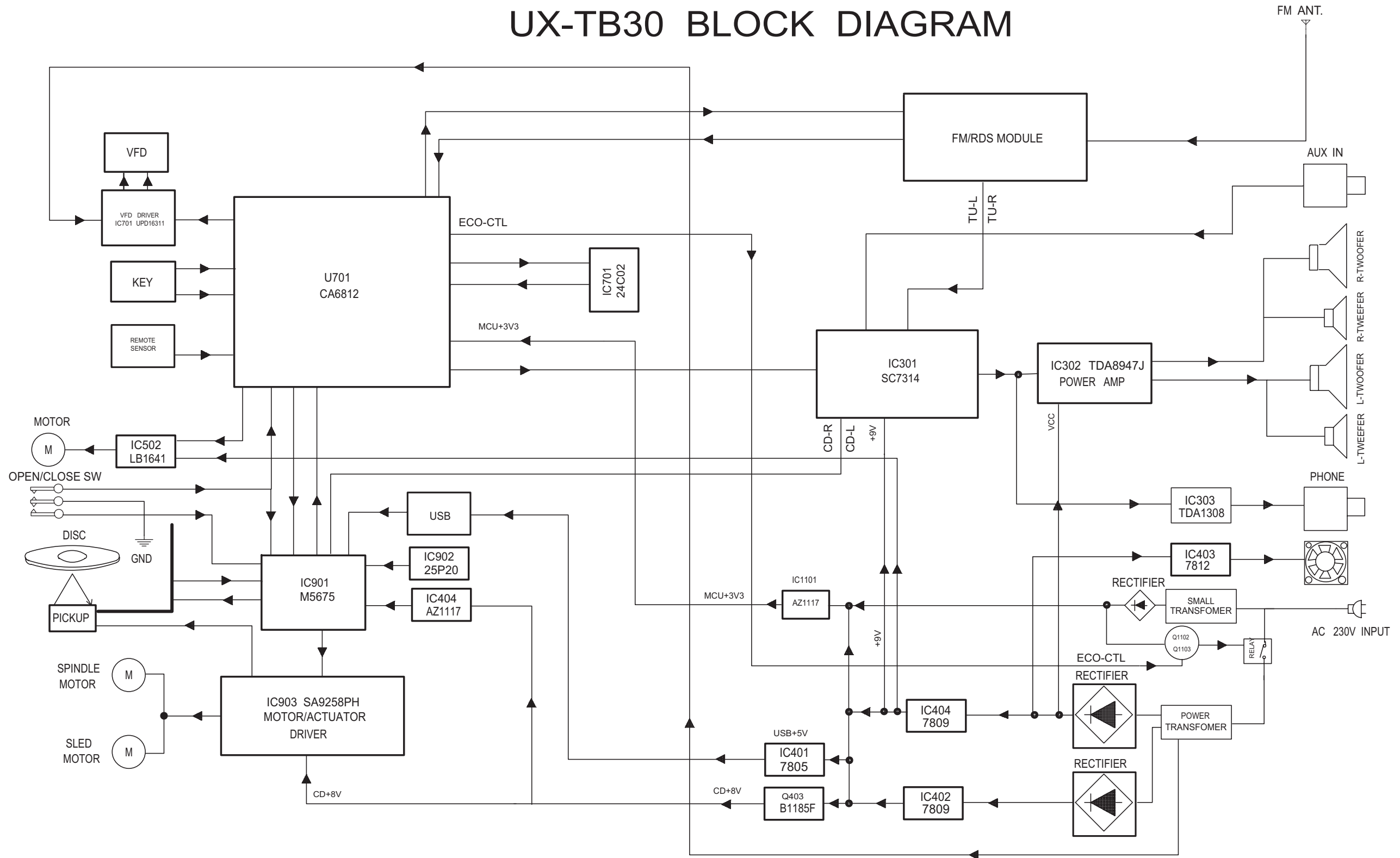
### Contents

Block diagrams .....	2-1
Standard schematic diagrams .....	2-2
Printed circuit boards .....	2-13 to 16

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

# BLOCK DIAGRAM

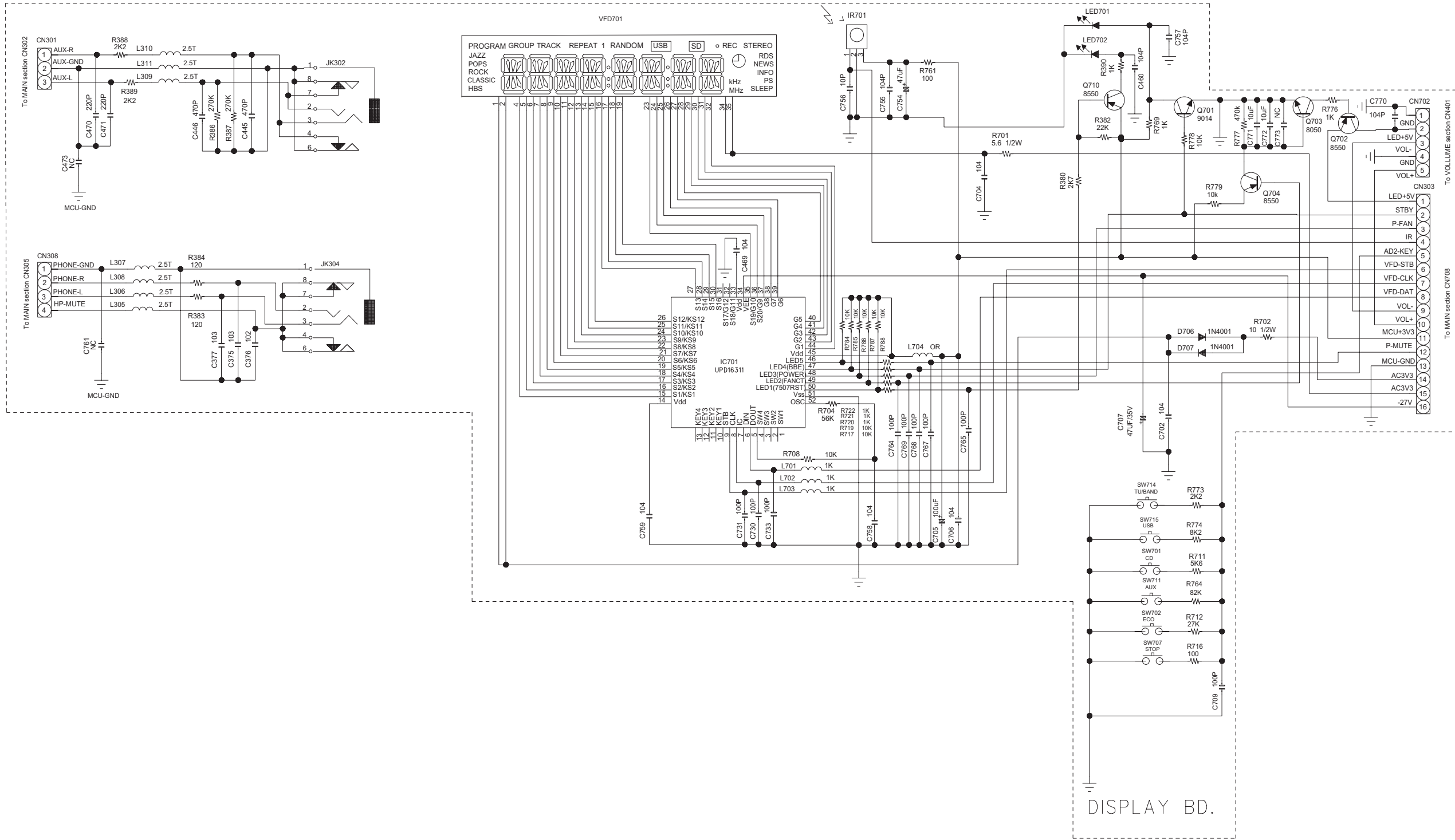
## UX-TB30 BLOCK DIAGRAM



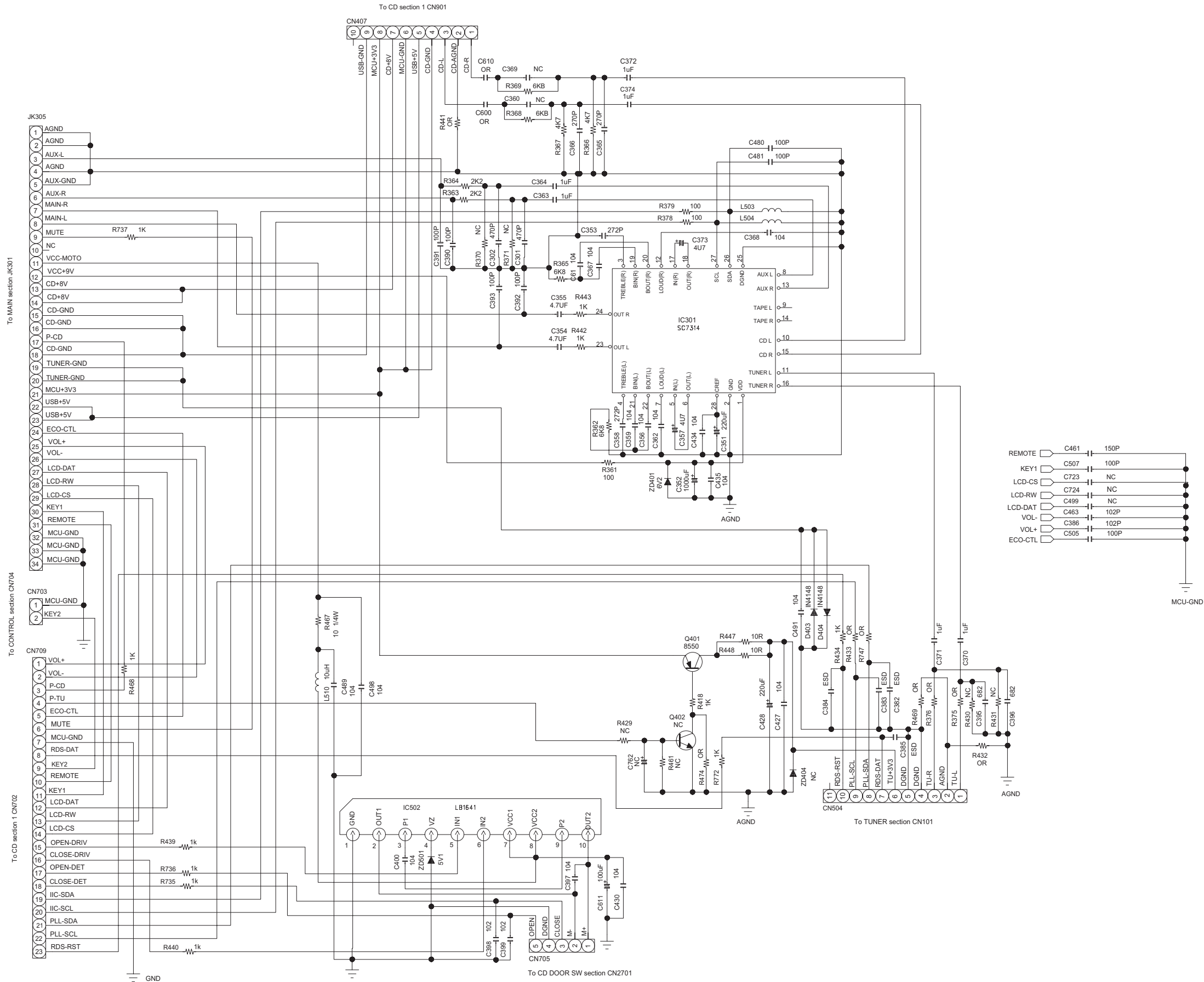




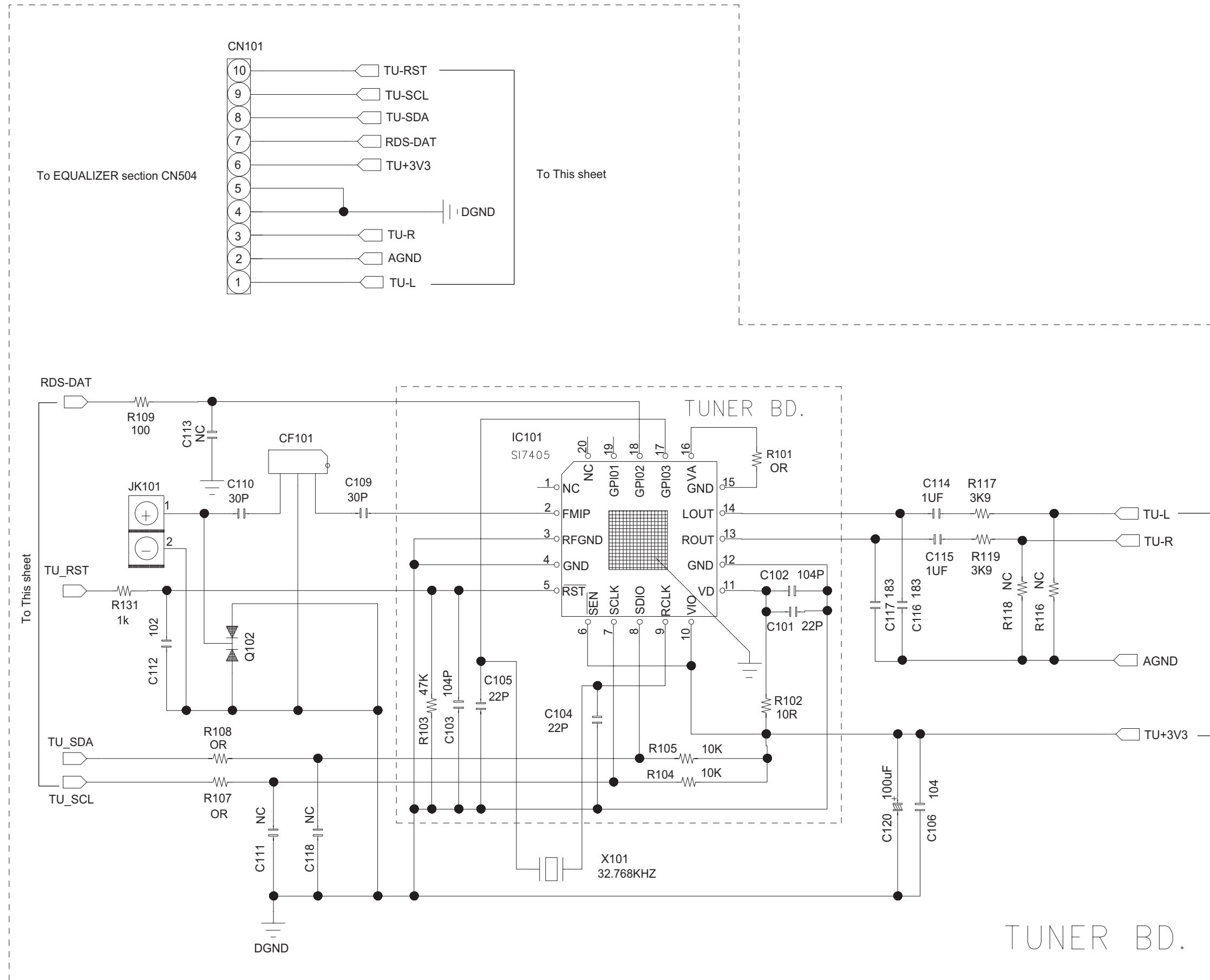
■ DISPLAY section



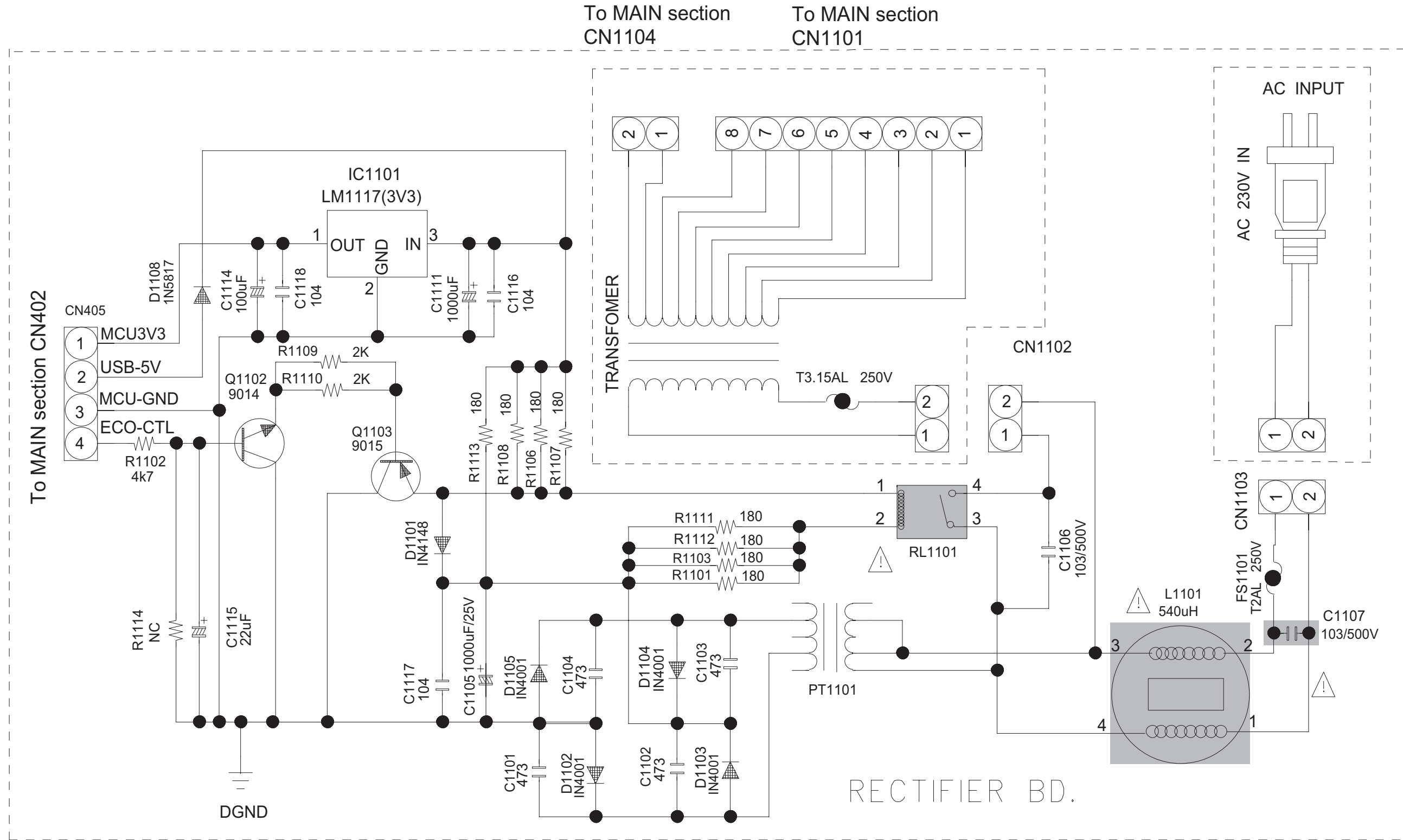
# EQUALIZER section




■ TUNER section

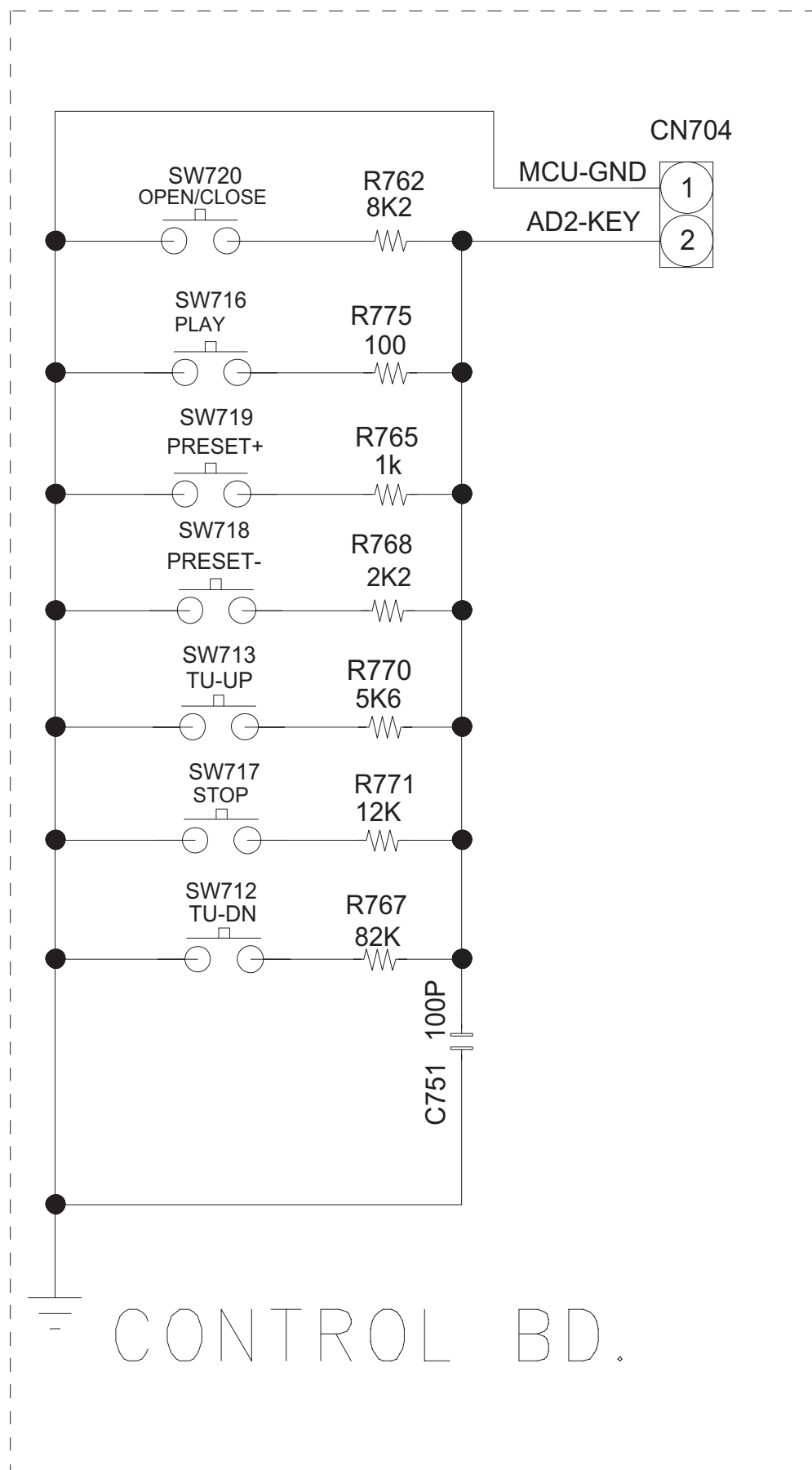


■ RECTIFIER section



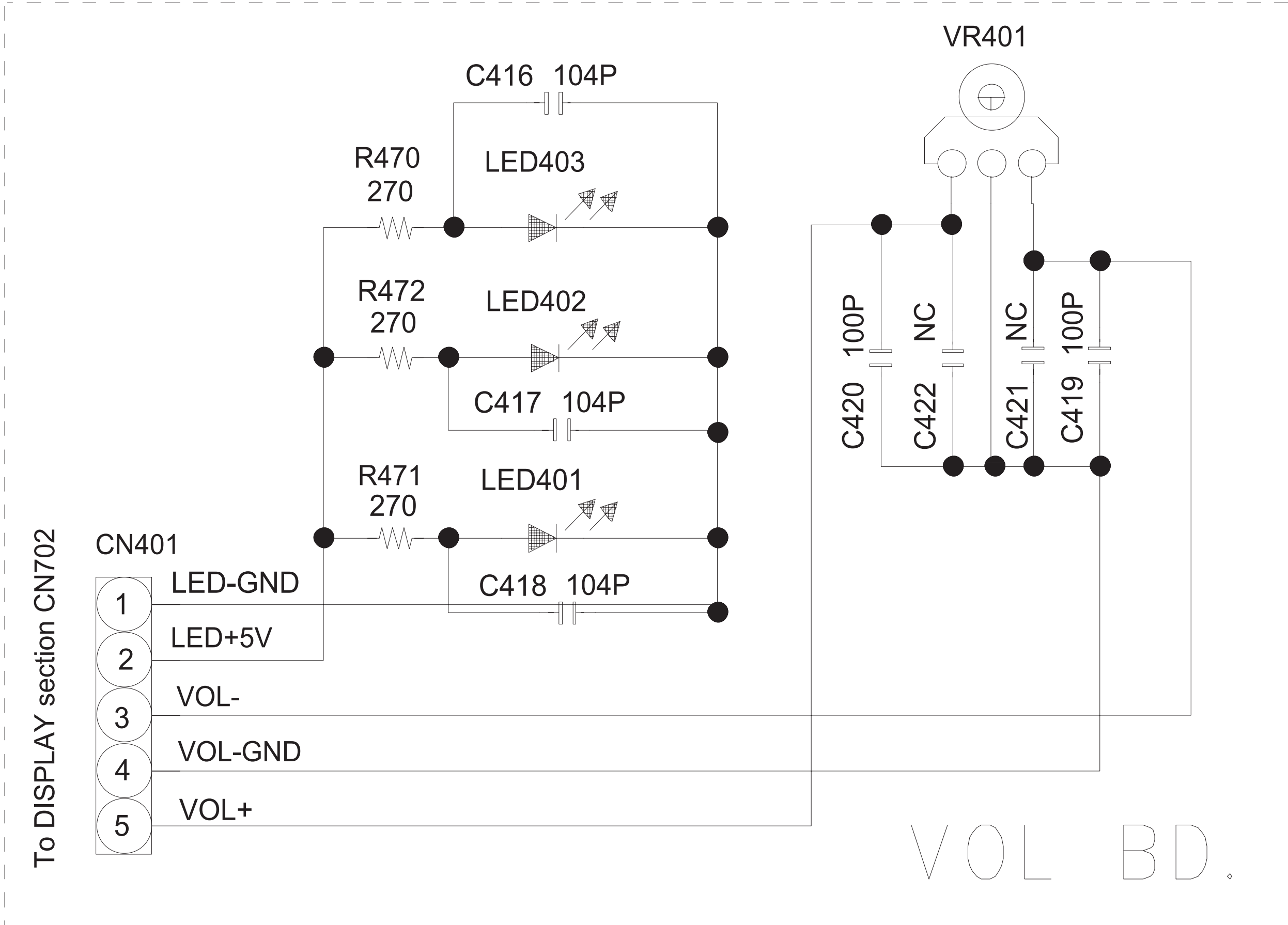
**NOTE)**  Warning  
Parts that are shaded are critical  
With respect to risk of fire or  
electrical shock.

■ CONTROL section



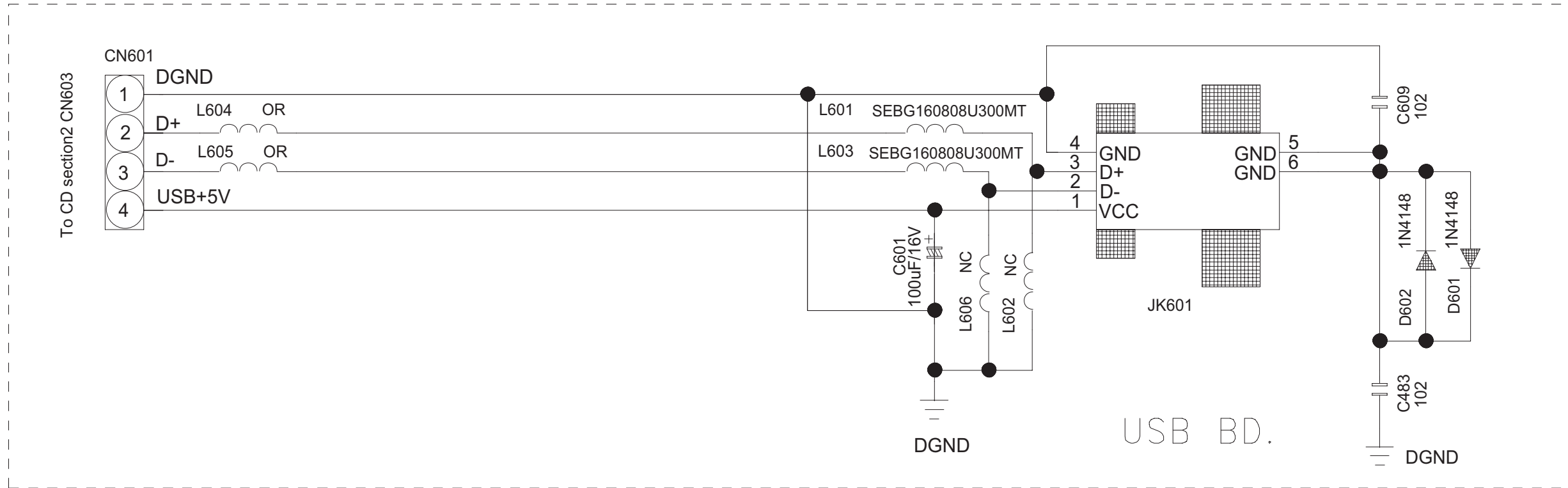
To EQUALIZER section CN703

■ VOLUME section



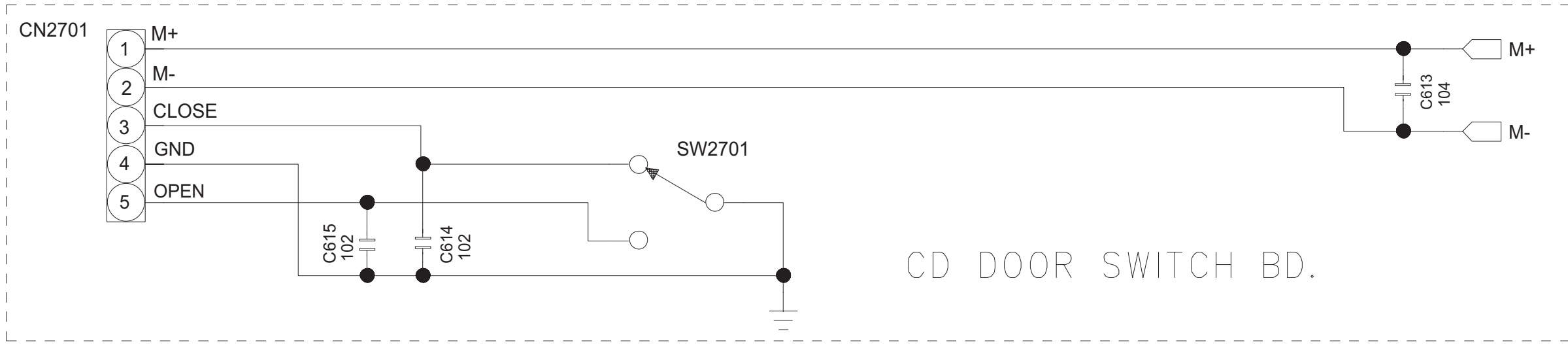


■ USB section

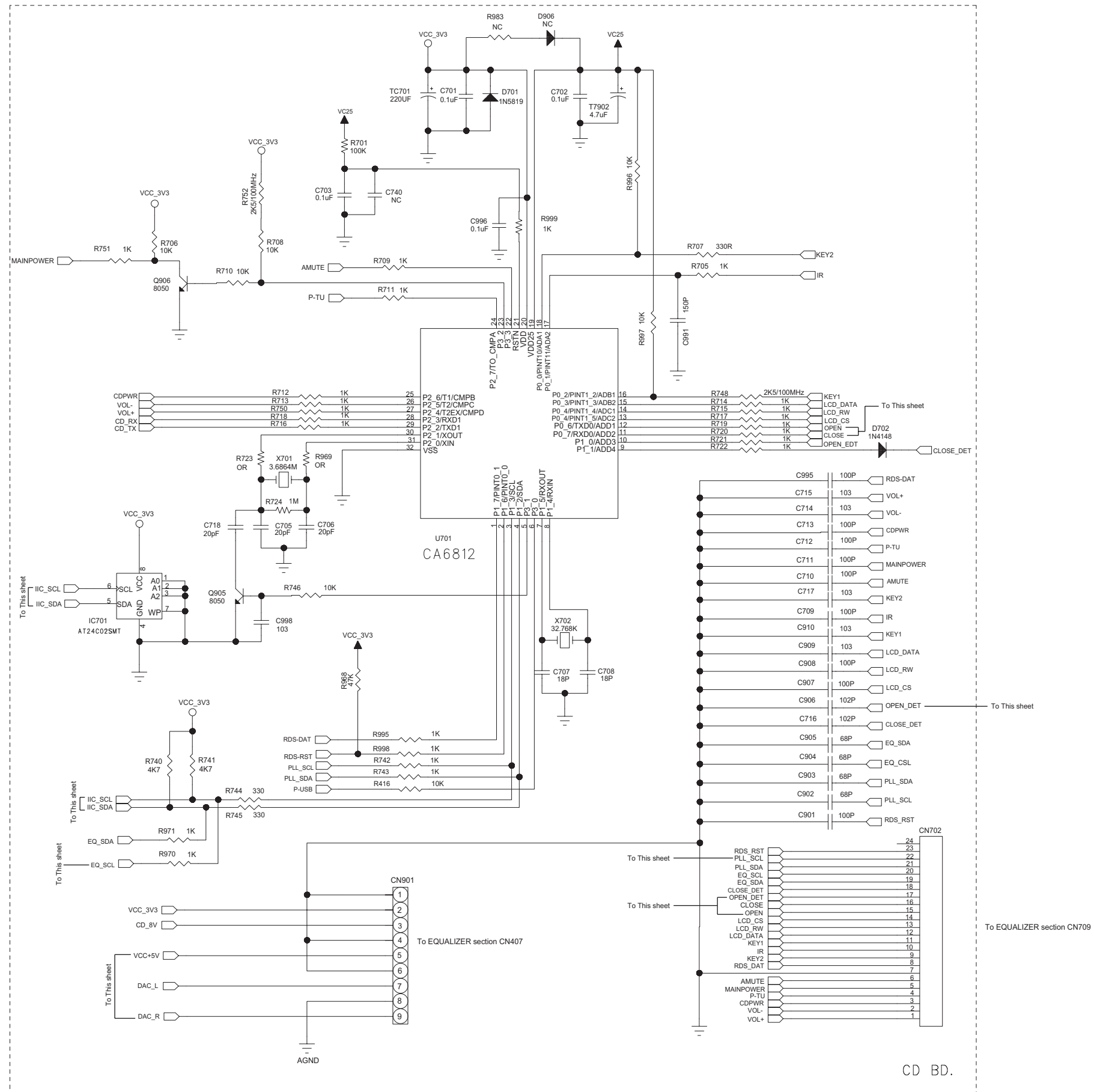


■ CD DOOR SWITCH section

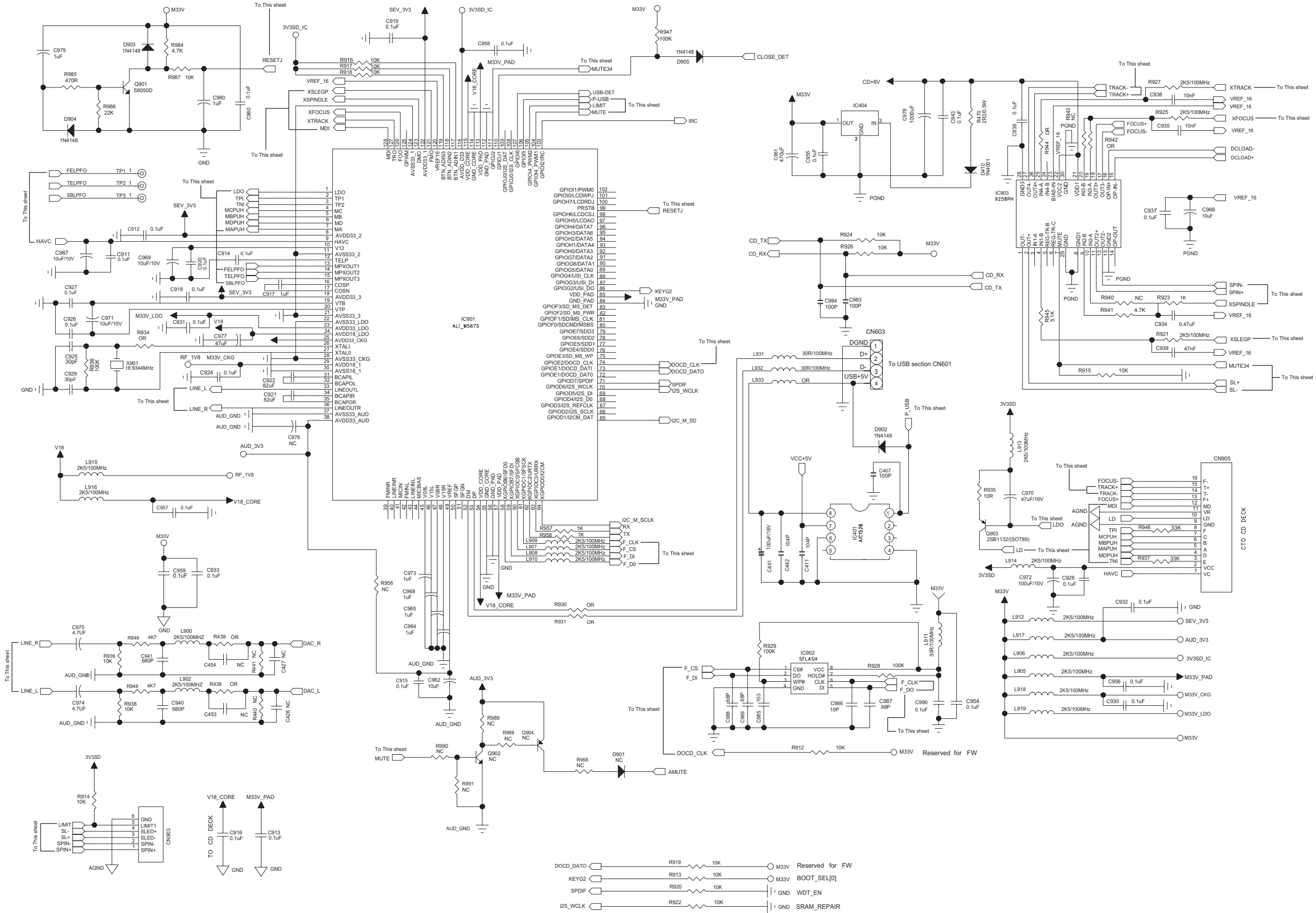
To EQUALIZER section CN705



CD section 1



CD section 2

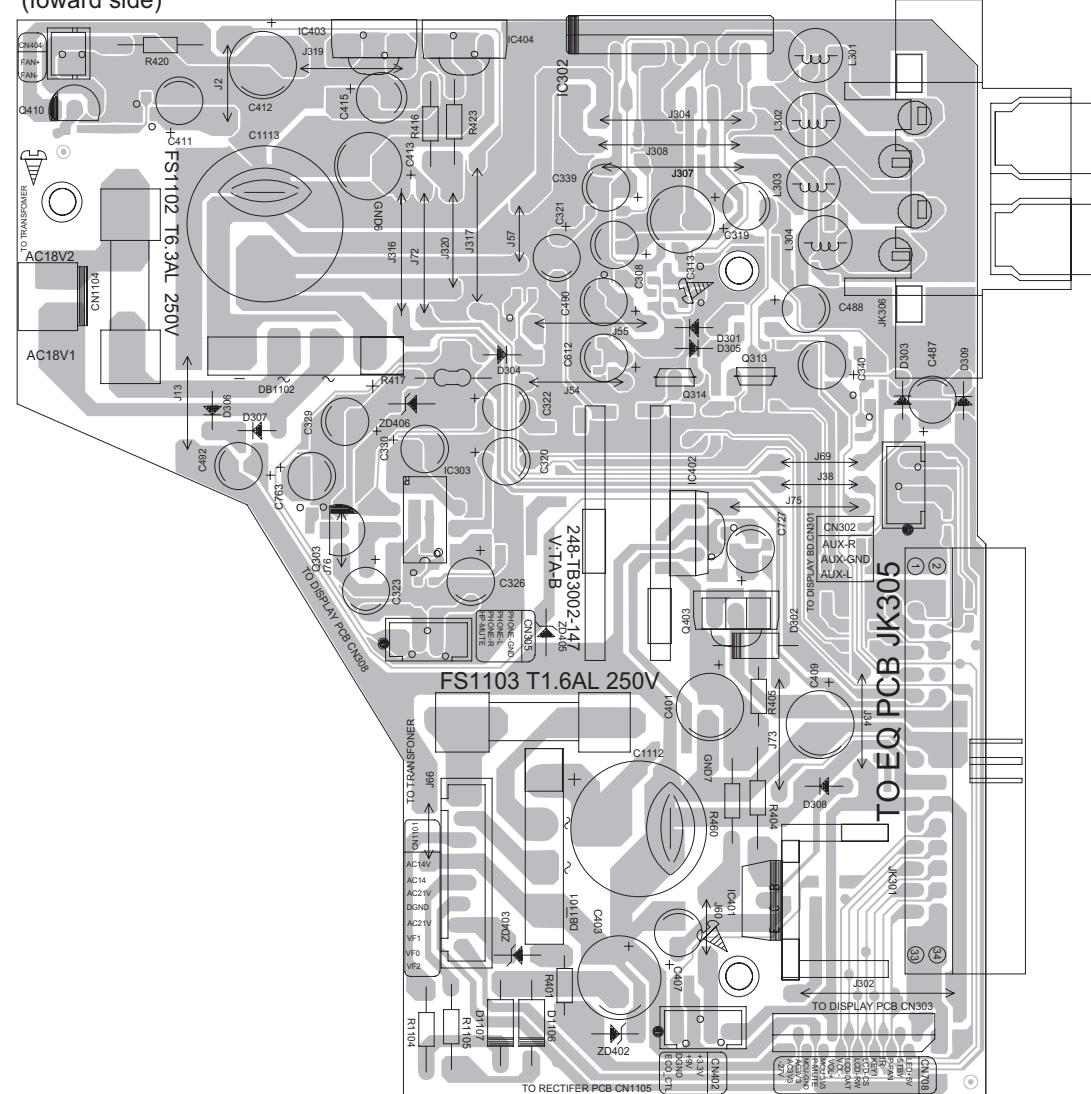


# Printed circuit boards

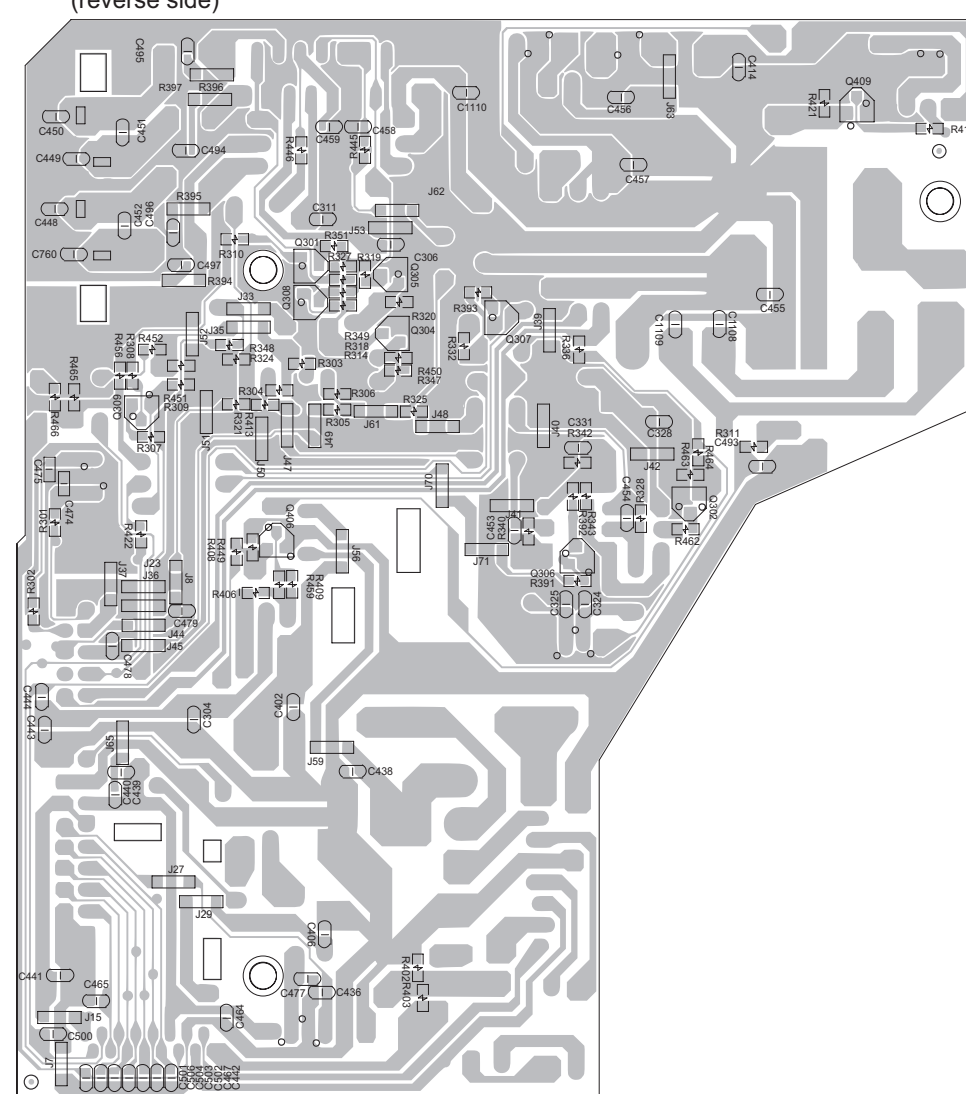
## ■ MAIN board

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

(forward side)



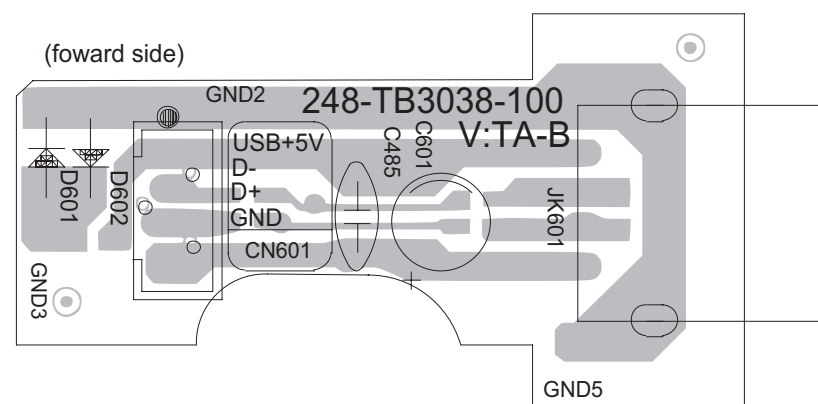
(reverse side)



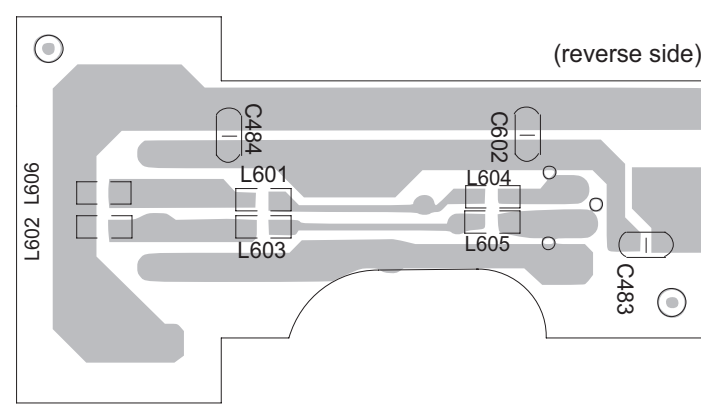
## ■ USB board

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

(forward side)



(reverse side)

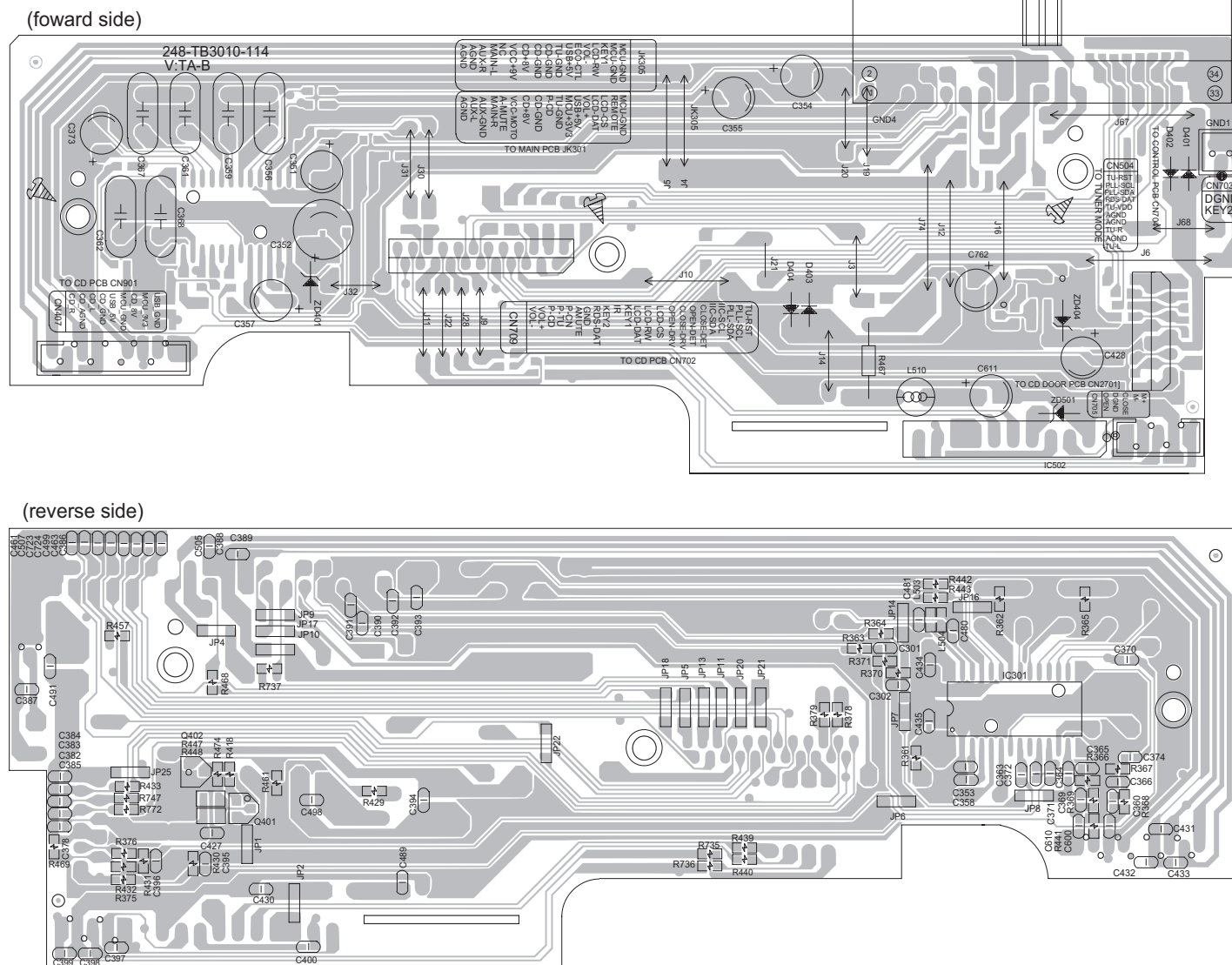






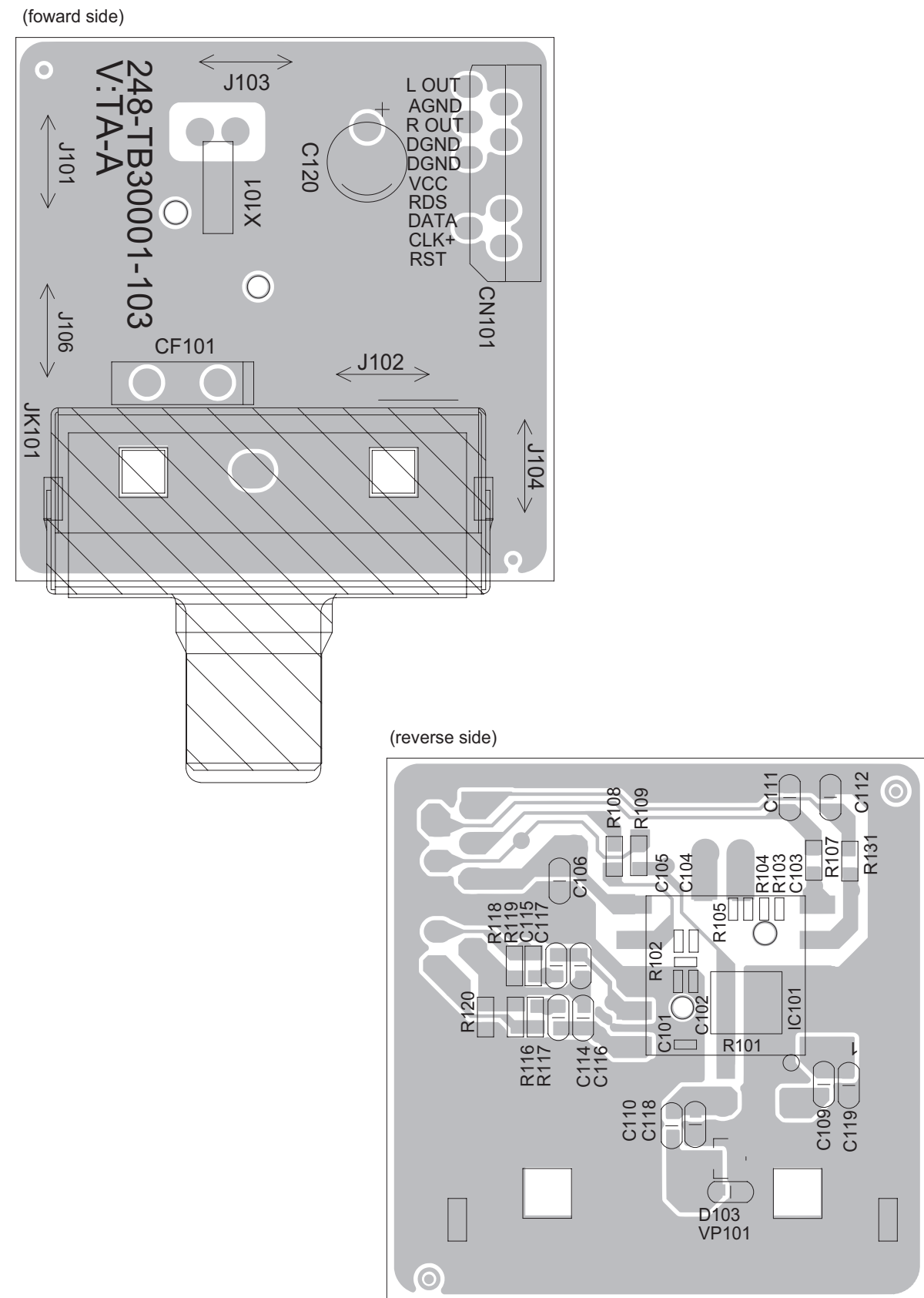
## ■ EQUALIZER board

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



## ■ TUNER board

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







< MEMO >



Victor Company of Japan, Limited

Home Entertainment Business Division Personal AV Operation