

Pioneer

Service Manual



TAD-C600

ORDER NO.
CRT4897

PREAMPLIFIER

TAD-C600

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
TAD-C600	U	AC 120 V	
TAD-C600	YVSL8	AC 220 V to 240 V	



PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
©PIONEER CORPORATION 2012

K-ZZZ FEB. 2012 Printed in Japan

SAFETY INFORMATION



This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

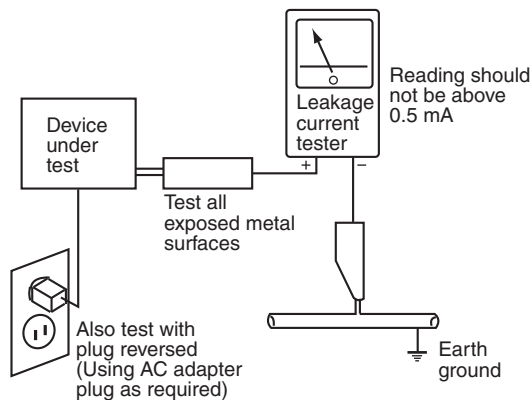
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

CONTENTS

SAFETY INFORMATION	2
1. SERVICE PRECAUTIONS.....	4
1.1 NOTES ON SOLDERING.....	4
2. SPECIFICATIONS.....	5
2.1 SPECIFICATIONS	5
3. BASIC ITEMS FOR SERVICE	6
3.1 CHECK POINTS AFTER SERVICING	6
3.2 PCB LOCATIONS.....	7
4. BLOCK DIAGRAM	8
4.1 OVERALL CONNECTION DIAGRAM	8
4.2 BLOCK DIAGRAM.....	10
5. DIAGNOSIS	12
5.1 TROUBLESHOOTING.....	12
6. SERVICE MODE.....	14
6.1 TEST MODE.....	14
7. DISASSEMBLY	15
8. EACH SETTING AND ADJUSTMENT	26
8.1 ADJUSTMENT.....	26
9. EXPLODED VIEWS AND PARTS LIST	28
9.1 PACKING.....	28
9.2 EXTERIOR(1)	30
9.3 EXTERIOR(2)	32
9.4 EXTERIOR(3).....	34
10. SCHEMATIC DIAGRAM.....	36
10.1 AUDIO L UNIT(1/2), AUDIO R UNIT(1/2)(GUIDE PAGE)	36
10.2 AUDIO L UNIT(2/2), AUDIO R UNIT(2/2).....	42
10.3 FPKB UNIT(UCOM I/F)	44
10.4 FPKB UNIT(7SEG LED).....	46
10.5 AOUT UNIT L	48
10.6 AOUT UNIT R.....	50
10.7 SWLB UNIT	52
10.8 SWRB UNIT.....	53
10.9 VR UNIT, FNC UNIT	54
10.10 PRI UNIT, PLED UNIT	56
10.11 SEC UNIT	58
11. PCB CONNECTION DIAGRAM	60
11.1 AUDIO L UNIT, AUDIO R UNIT	60
11.2 FPKB UNIT	64
11.3 AOUT UNIT L.....	68
11.4 AOUT UNIT R.....	70
11.5 SWLB UNIT	72
11.6 SWRB UNIT	73
11.7 VR UNIT.....	74
11.8 FNC UNIT	75
11.9 PRI UNIT.....	76
11.10 SEC UNIT	78
11.11 PLED UNIT	80
12. ELECTRICAL PARTS LIST	81

1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

A

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

B

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
GYP1006 1.0 in dia.
GYP1007 0.6 in dia.
- GYP1008 0.3 in dia.

C

■

D

■

E

■

F

2. SPECIFICATIONS

2.1 SPECIFICATIONS

■ Amplifier Section

Input connectors	Balanced x 3, unbalanced x 3
Output connectors	Balanced x 2, unbalanced x 2
Rated output voltage	Balanced 1.5 V, unbalanced 0.75 V
Maximum output voltage	Balanced 16 Vrms, unbalanced 8 Vrms
Rated distortion (T.H.D.)	0.0015 %
IHF SN	120 dB
Frequency response	10 Hz to 100 kHz, -1 dB
Gain	12 dB
Analog maximum permissible input voltage	Balanced 20 V, unbalanced 10 V
REC OUT connector	Balanced x 1, unbalanced x 1

■ Power section/miscellaneous

Power requirements	
U.S. model	AC 120 V, 60 Hz
Europe, Asia model	AC 220 V to 240 V, 50 Hz/60 Hz
Power consumption	52 W (during Standby mode: 0.5 W or less)
External dimensions	
Main unit	450 mm (W) x 150 mm (H) x 440 mm (D) (maximum external dimensions) 17 23/32 in. (W) x 5 29/32 in. (H) x 17 11/32 in. (D)
Power unit	220 mm (W) x 185 mm (H) x 430 mm (D) (maximum external dimensions) 8 11/16 in. (W) x 7 9/32 in. (H) x 16 15/16 in. (D)
Weight	
Main unit	29 kg (63.9 lb)
Power unit	15 kg (33.1 lb)

■ Accessories

Remote control	1
AAA/IEC R03 dry cell batteries	2
DC cords	2
Polishing cloth	1
Felts	2
Power cord	
Operating Instructions (this document)	

Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing

To keep the product quality after servicing, confirm recommended check points shown below.

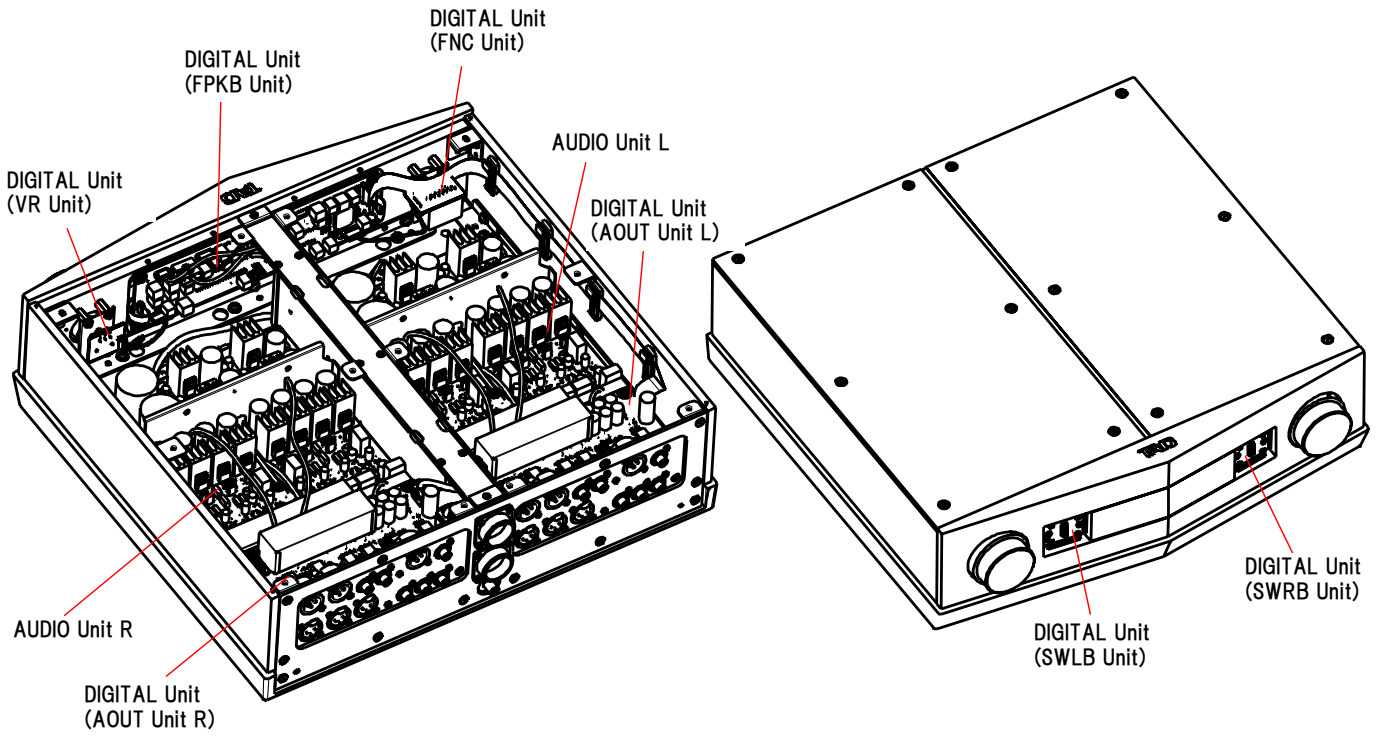
No,	Procedures	Check points
1	Confirm whether the customer complain has been solved.	The customer complain must not be reappeared. Audio and operations must be normal.
2	Check the audio playback.	Each channel audio and operations must be normal.
3	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

See the specification for the numerical value(Rated output voltage, Rated distortion, etc).

Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

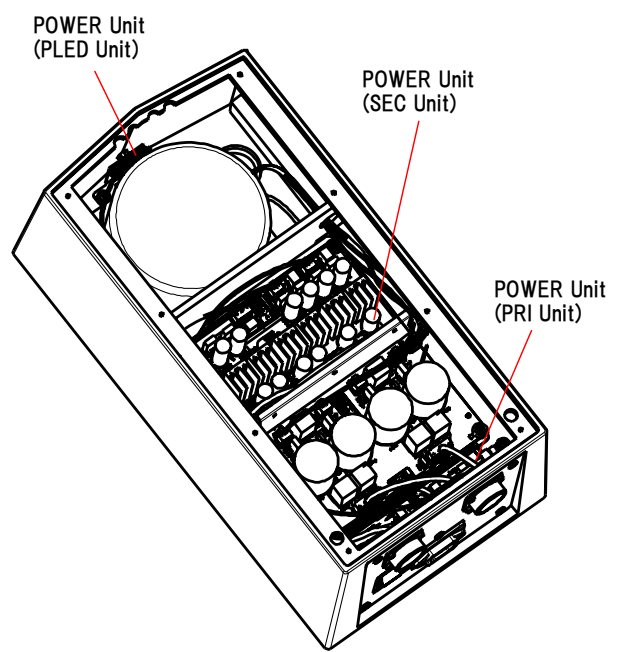
3.2 主要部品配置図と主要Assy番号リスト PCB LOCATIONS



- *印の部品は、サービス用部品ではありません。従って原則として供給できません。
- △ 印の部品は、安全上重要な部品です。交換する時は、安全および性能維持のため必ず指定の部品をご使用下さい。

NOTES : ●Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.
● The △ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

マーク Mark	名称 No. Description	部品番号 Part No.
<u>基板ASSYの一覧</u> <u>LIST OF ASSEMBLIES</u>		
	AUDIO Unit L	CWH1739
	AUDIO Unit R	CWH1740
	DIGITAL Unit (AOUT Unit L)	CWH1741
	DIGITAL Unit (AOUT Unit R)	CWH1742
	DIGITAL Unit (FPKB Unit)	CWH1743
	DIGITAL Unit (SWLB Unit)	CWH1744
	DIGITAL Unit (SWRB Unit)	CWH1745
	DIGITAL Unit (VR Unit)	CWH1746
	DIGITAL Unit (FNC Unit)	CWH1747
	POWER Unit (PLED Unit)	CWH1748
	POWER Unit (PRI Unit)	CWH1749
	POWER Unit (SEC Unit)	CWH1750



4. BLOCK DIAGRAM

4.1 OVERALL CONNECTION DIAGRAM

A

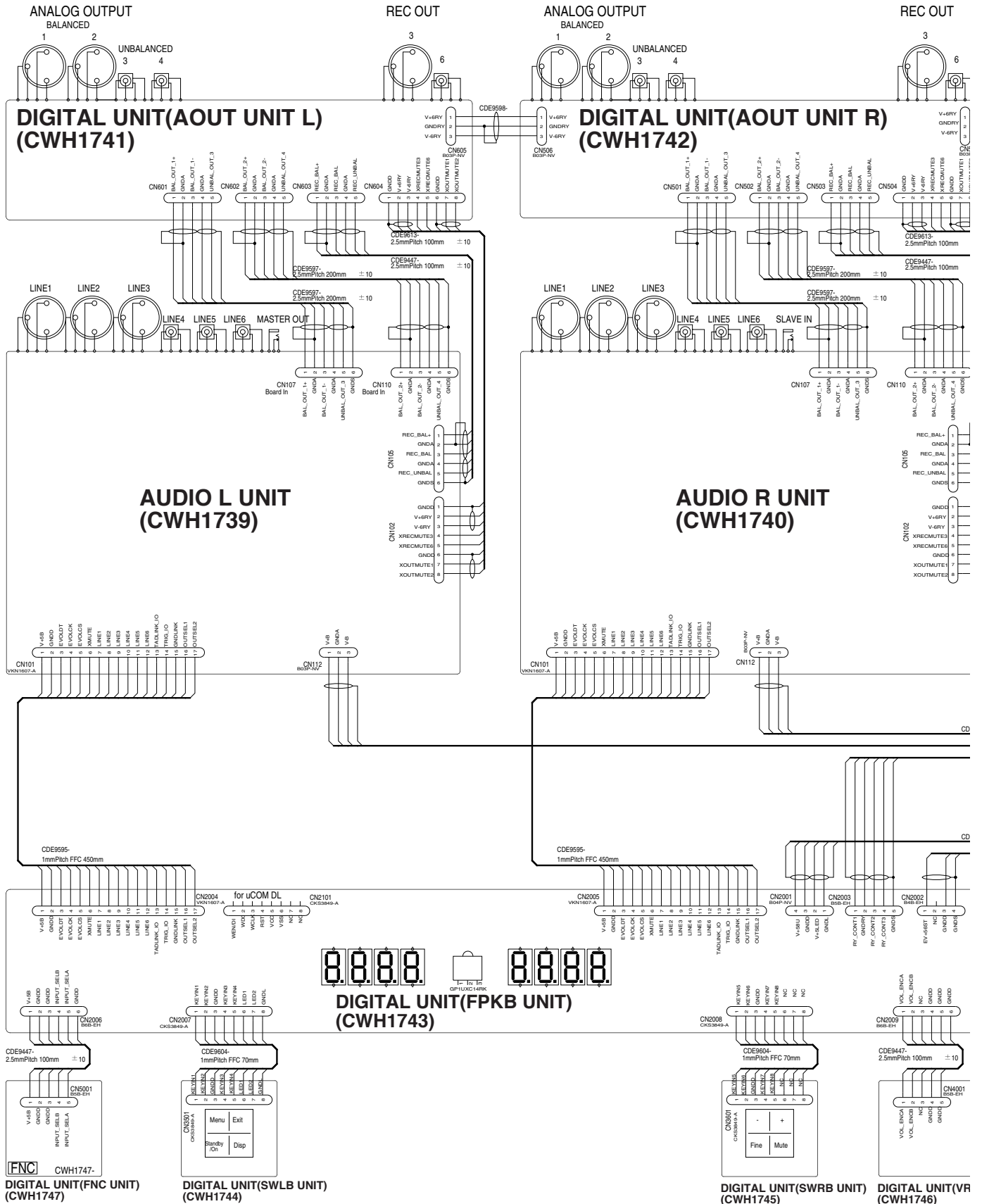
B

C

D

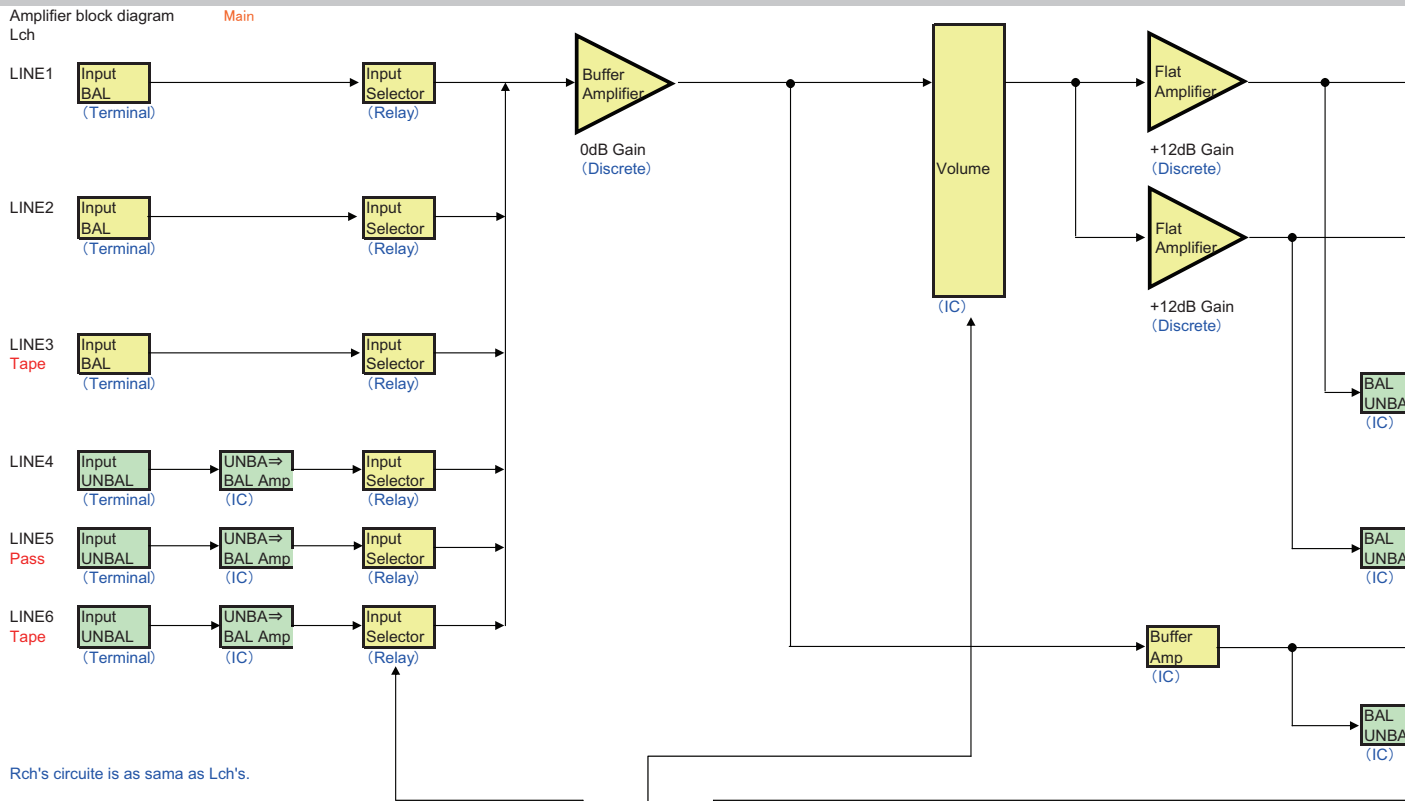
E

F



4.2 BLOCK DIAGRAM

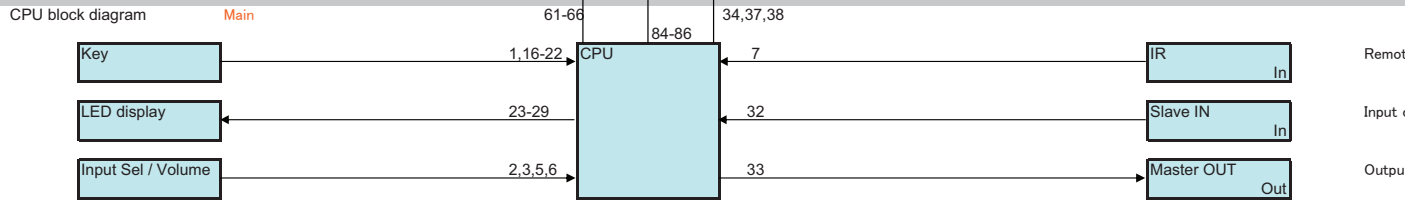
A



B

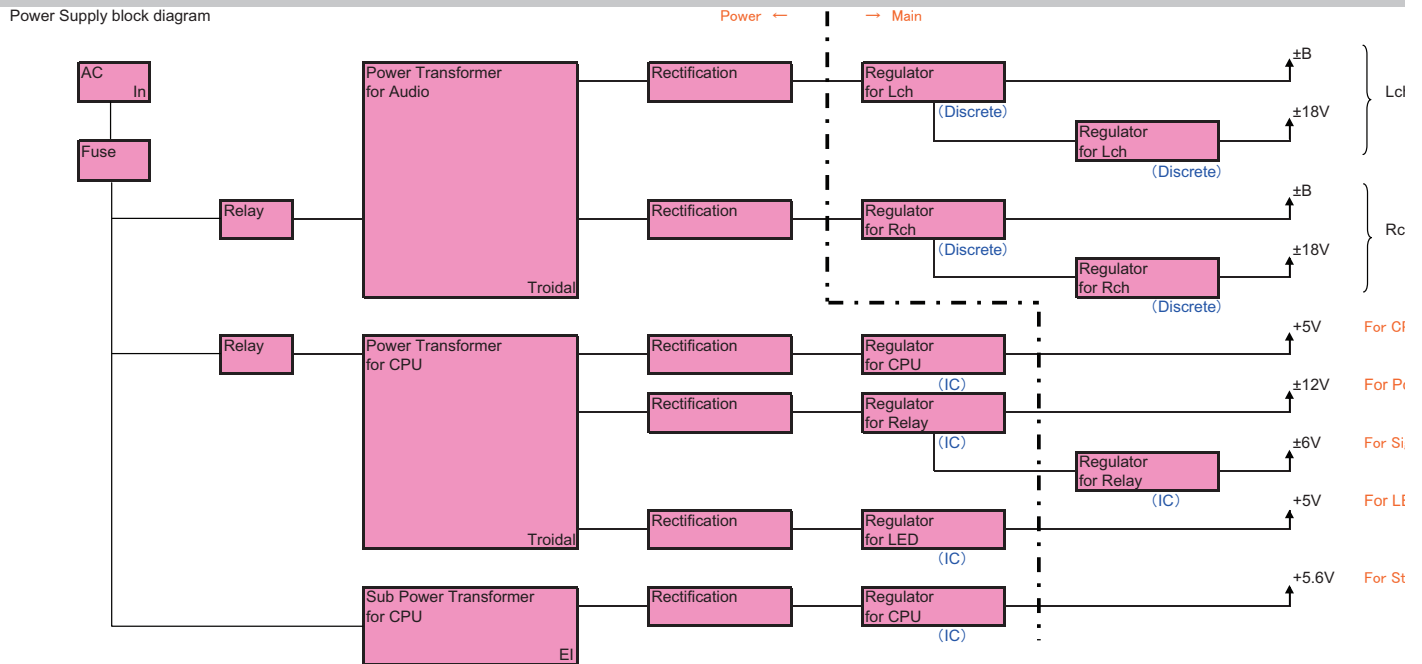
C

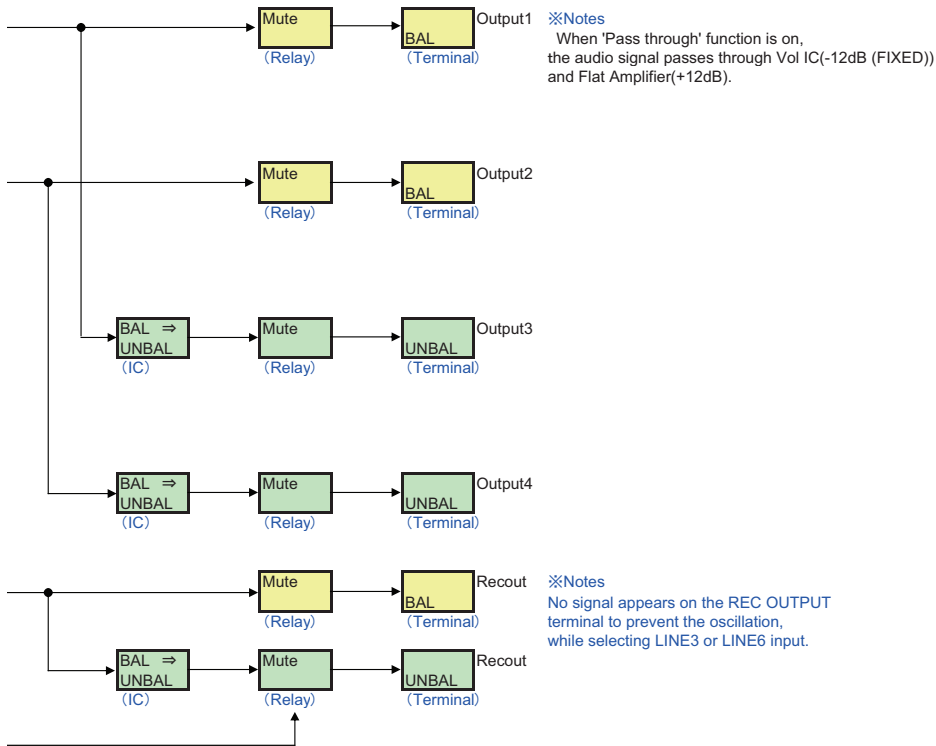
D






E

F



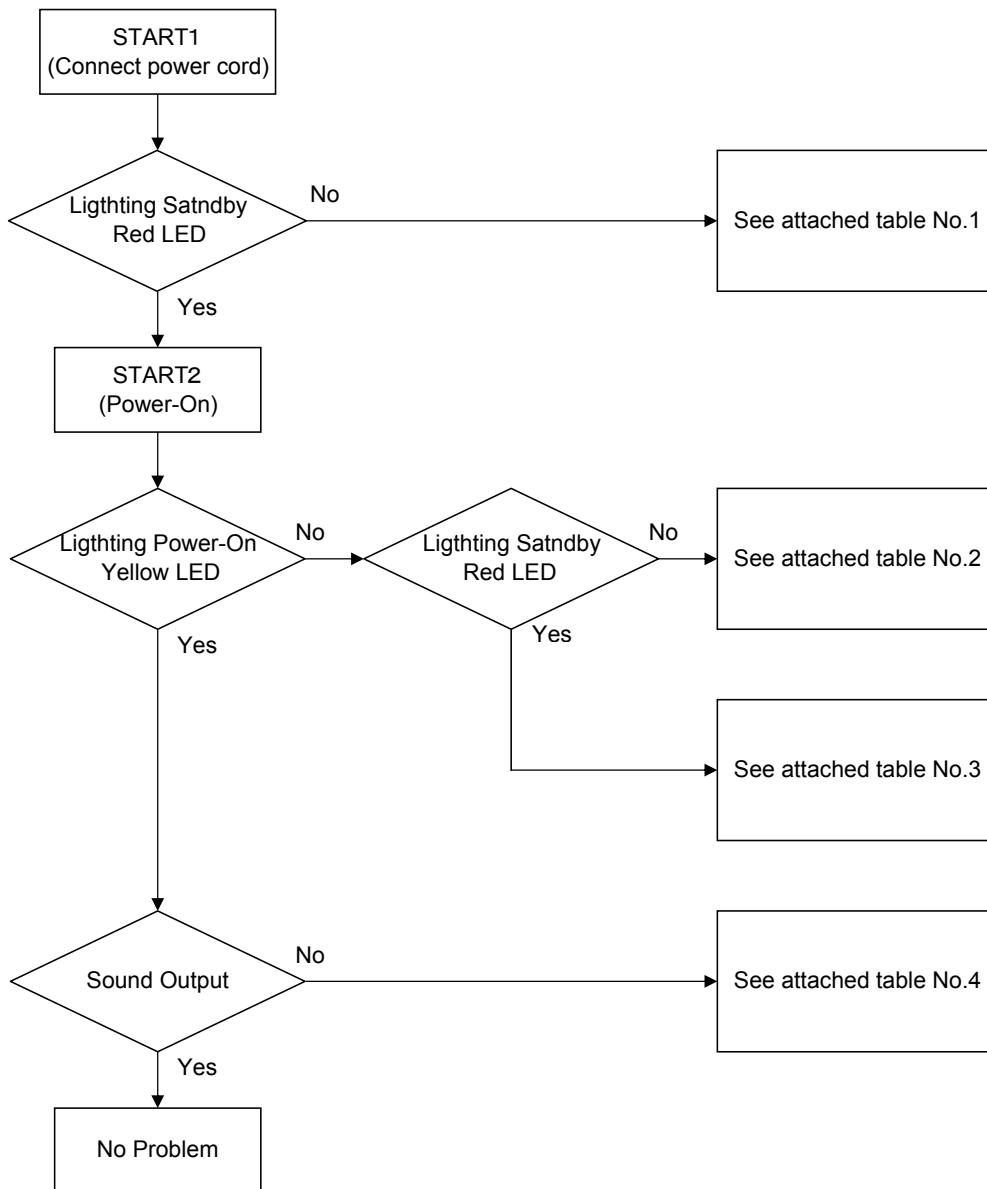


-  Remote control signal
-  Input control signal (for Dual mono system) /signal level 0-5V
-  Output control signal (for Dual mono system) /signal level 0-5V

- ±B } For Flat Amplifier
- ±18V } For Buffer Amp, Volume-IC
- ±B } For Flat Amplifier
- ±18V } For Buffer Amp, Volume-IC
- +5V For CPU u-com
- ±12V For Power Relay
- ±6V For Signal Relay
- +5V For LED Display
- +5.6V For Standby circuit

5. DIAGNOSIS

5.1 TROUBLESHOOTING



5. DIAGNOSIS

5.1 TROUBLESHOOTING

No.	Symptoms	Diagnosis Contents	Possible Defective Points
1	Power does not turn on. Standby Red LED does not light.	Confirmation. Whether does the fuse do OPEN or not?	Primary Unit FU1,FU2
		Confirmation. Are wires disconnected or damaged?	Primary Unit CN4101,CN4103,CN4105,CN4106,CN4308 Secondary Unit CN4205,CN4306,CN4307,CN4310 FPKB Unit CN2002,CN2007
		Check that the following voltage is output: CN2002 1pin : +5.6V	FPKB Unit CN2002
2	Power does not turn on. Standby Yellow LED does not light.	Confirmation. Are wires disconnected or damaged?	SWLB Unit CN3501 FPKB Unit CN2001,CN2003
3	Power does not turn on. Protection circuit operate. Red LED flashes.	Confirmation. Are wires disconnected or damaged?	FPKB Unit CN2001,D2002
		Check that the following voltage is output: CN2001 1pin : +5.8V D2002 Cathode : +5.6V	FPKB Unit CN2001,D2002
4	The power turn on. The sound is nothing.	Confirmation. Are wires disconnected or damaged?	Primary Unit CN4104 Secondary Unit CN4301,CN4302,CN4303,CN4304, CN4305,CN4309 AUDIO Unit CN112
		Check that the following voltage is output: CN113 1pin : +33V, 3pin : -33V CN114 1pin: +16.5V, 3pin: -16.5V	AUDIO Unit CN113,CN114
		Confirmation. Are wires disconnected or damaged? (Electrical volume IC)	FPKB Unit CN2004,CN2005 AUDIO Unit CN101
		Confirmation. Are wires disconnected or damaged? (Mute Relay and Input Sel Relay)	AUDIO Unit CN101,CN102 OUTPUT Unit CN504,CN505,CN506,CN604,CN605
		Check that the following voltage is output: CN102 2pin : +6V, 3pin : -6V CN505,CN506,CN605 1pin: +6V, 3pin: -6V CN504,CN604 2pin: +6V, 3pin: -6V	AUDIO Unit CN102 OUTPUT Unit CN504,CN505,CN506,CN604,CN605

6.SERVICE MODE

6.1 TEST MODE

/Into the initial condition for model except YVSL8.

With the Standby, Press the [MUTE] and [MENU] key on the main unit.
(Changed contents in MENU, display on/off, Value of volume, Input selector, Volume step.)

ex)

A	L	L	C	L	E	A.
---	---	---	---	---	---	----

It turns to standby state after 2 seconds.

/Turn on the AutoPowerDown mode.(Initial condition for YVSL8 model.)

With the Standby, Press and hold the [MUTE] and [EXIT] key on the main unit for 5 seconds.
Turn on the AutoPowerDown mode.

ex)

E	C	O	O	n
---	---	---	---	---

It turns to standby state after 2 seconds.

/How to display the software version

With the Standby, press and hold the [EXIT] key on the main unit for 5 seconds.
The version (part number) of the system control computer will be displayed about 2 seconds.

ex)

S	y	S	1.	0	0
---	---	---	----	---	---

The version display will automatically disappear after a while.

/Lighting confirmation of LED.

With the Standby, Press and hold the [MUTE] and [DISP] key on the main unit for 5 seconds.
Lighting all LED for 8 seconds.
Next, Eight 7segment LED lights one by one for 0.5 seconds.(a, b, c, d, e, f, g, Dp)

/Test Mode of Linking multiple Pre-Amplifiers.

1.Into the test mode.

With the Standby, Press and hold the [STEP] and [MENU] key on the main unit.

ex)

C	O	n	T	T	E	S	T
---	---	---	---	---	---	---	---

Next, connect the Master Out jack to Slave In jack.

2.The check of transmission and reception of the TRIGGER signal.

Press the [STEP] key on the main unit.
(A Hi-signal is outputted from TRIGGER OUT signal line.)
It will be a success if [TrIG In] displayed.
(It does not go into a slave mode.)

3.The check of transmission and reception of other control signal.

Press the [MUTE] key on the main unit.
It will be a success if [MUTE In] displayed.

7. 各部の外し方 DISASSEMBLY

注意:

本製品と写真、イラストが違う場合がありますが、手順に違いはありません。

本製品特有の注意点:

- (1) 外観のキズ、汚れは大きなクレームになります。
- (2) サービス時は製品を上下反転させる必要があります。特に外観にキズをつけないよう、やわらかなものを製品の下に敷いて外観面を保護してください。

Note:

Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

Peculiar Notes of this product:

- (1) Be careful not to scratch or stain the cabinet during servicing, because it may cause a serious complaint.
- (2) The product needs to be upside down during servicing. Please put a soft cloth under the product when it is turned over.

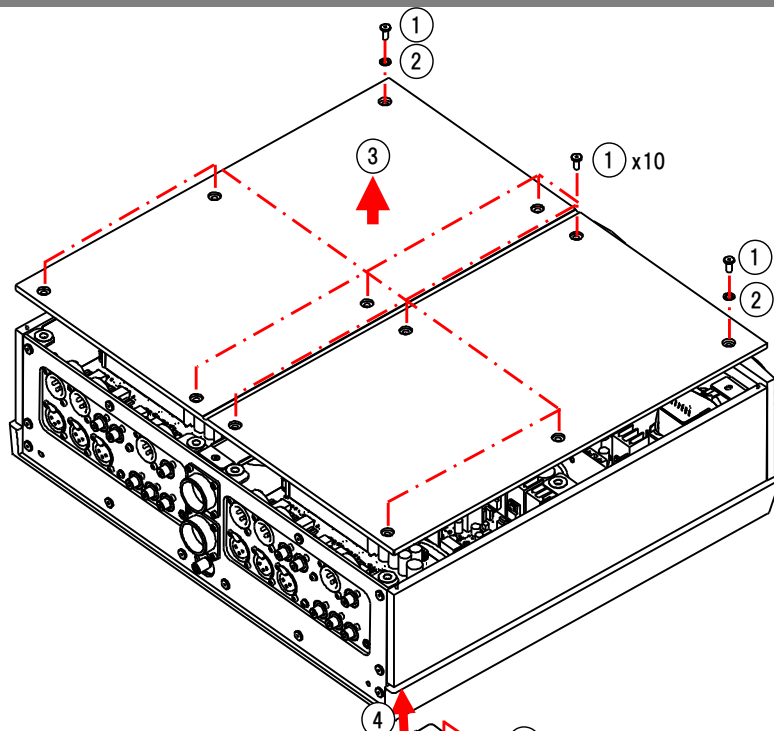
7.1 本体部

各部の外し方 Disassembly

【1】天面部

Top Section

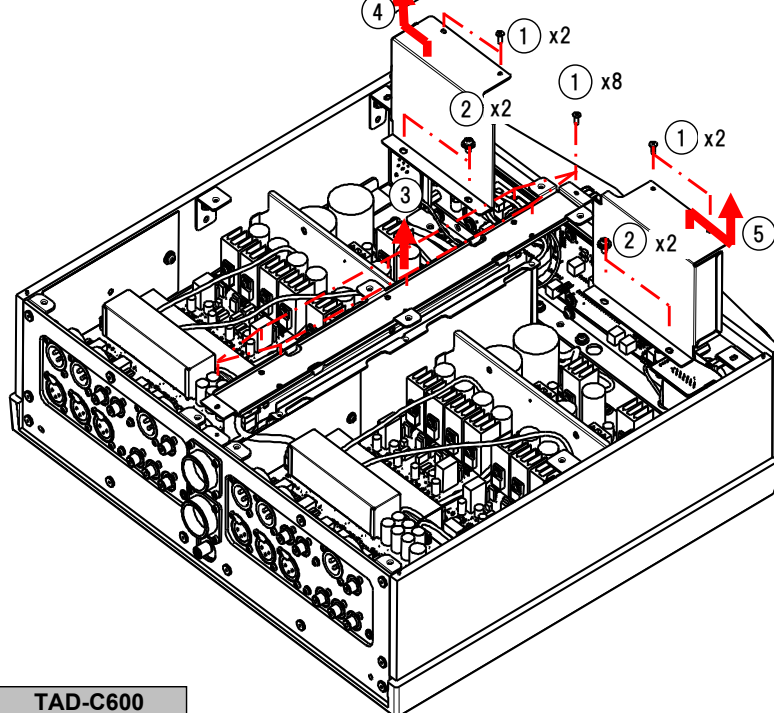
- ①ネジを外す。(x12)
Remove the screws.(x12)
- ②ワッシャーを外す。(x2)
Remove the washers.(x2)
- ③パネル/TOPを外す。
Take out the PANEL/TOP.



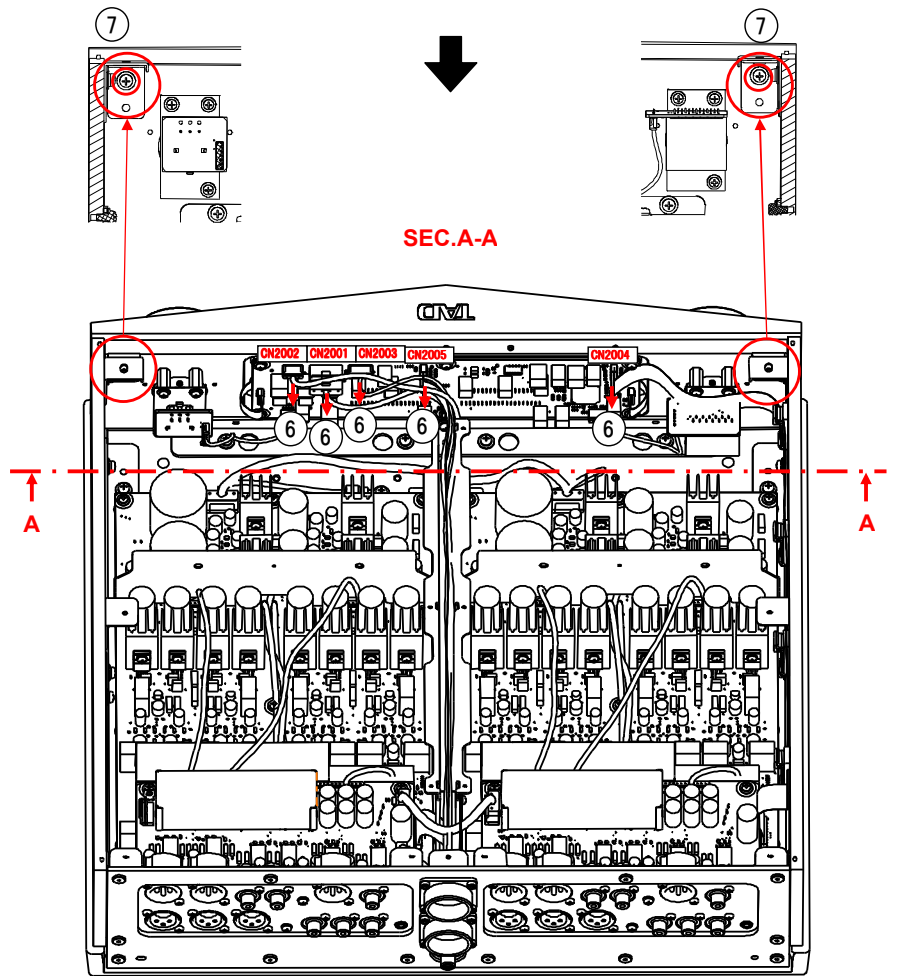
【2】フロントパネル

Front Panel Section

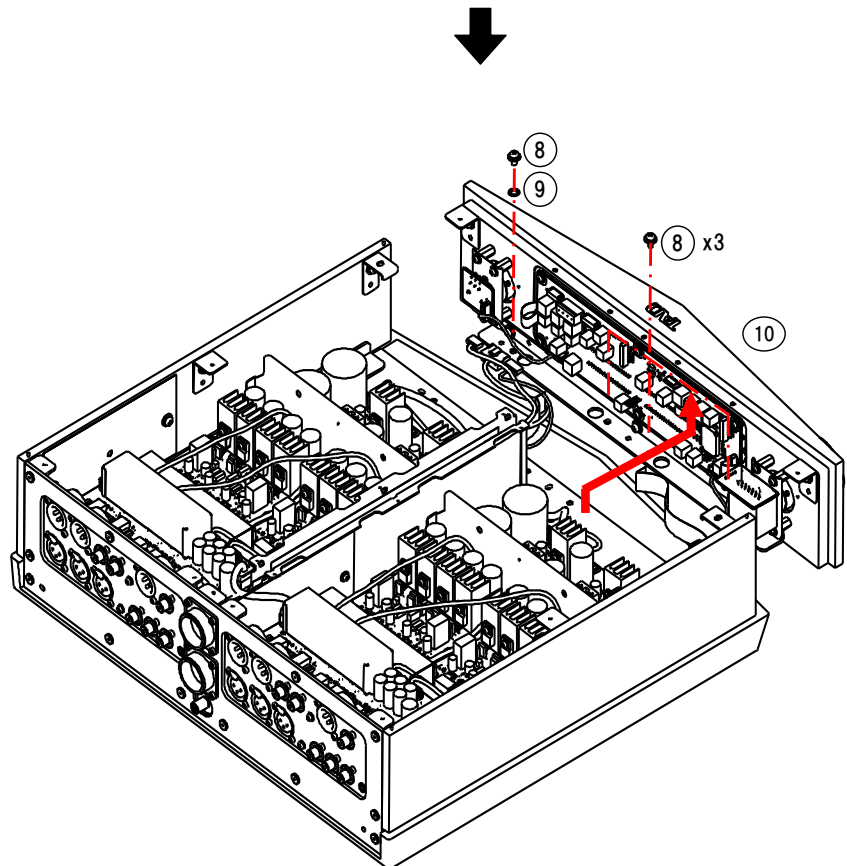
- ①ネジを外す。(x12)
Remove the screws.(x12)
- ②ネジを外す。(x4)
Remove the screws.(x4)
- ③ビーム/CTRを外す。
Take out the BEAM/CTR.
- ④プレート/DPRを外す。
Take out the PLATE/DPR.
- ⑤プレート/DPLを外す。
Take out the PLATE/DPL.



- ⑥ CN2001～CN2005を外す。
Disconnect the CN2001 to CN2005.
- ⑦ ネジを緩める。(x2)
Loosen the screws.(x2)



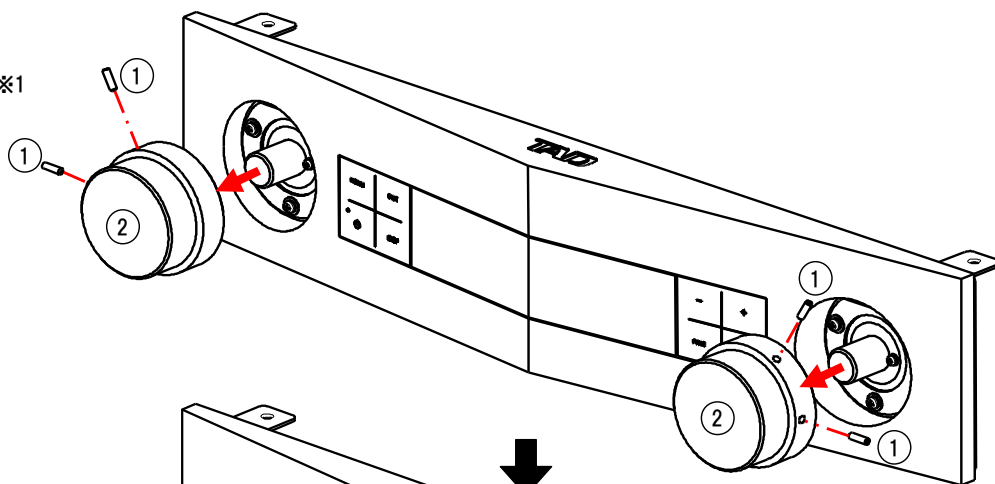
- ⑧ ネジを外す。(x4)
Remove the screws.(x4)
- ⑨ ワッシャーを外す。
Remove the washer.
- ⑩ フロントパネルAssyを外す。
Take out the Front Panel Assy.



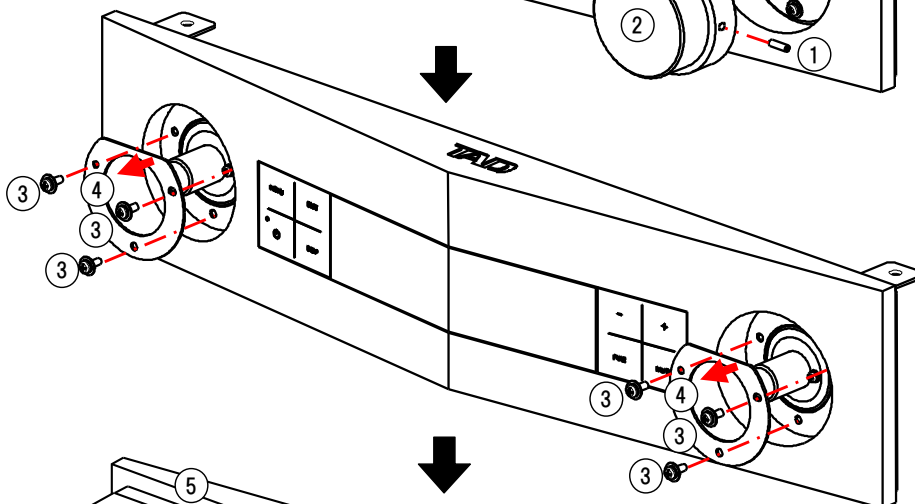
【3】ベアリング部

Bearing Section

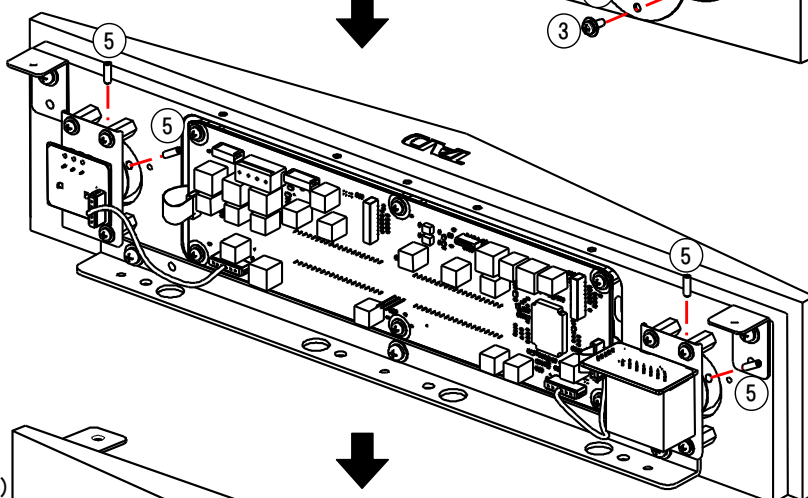
- ①イモネジを外す。(x2/片側) ※1
Remove the set screws.(x2/side) ※1
- ②ノブ/VOLを外す。(x1/片側)
Take out the KNOB/VOL.(x1/side)



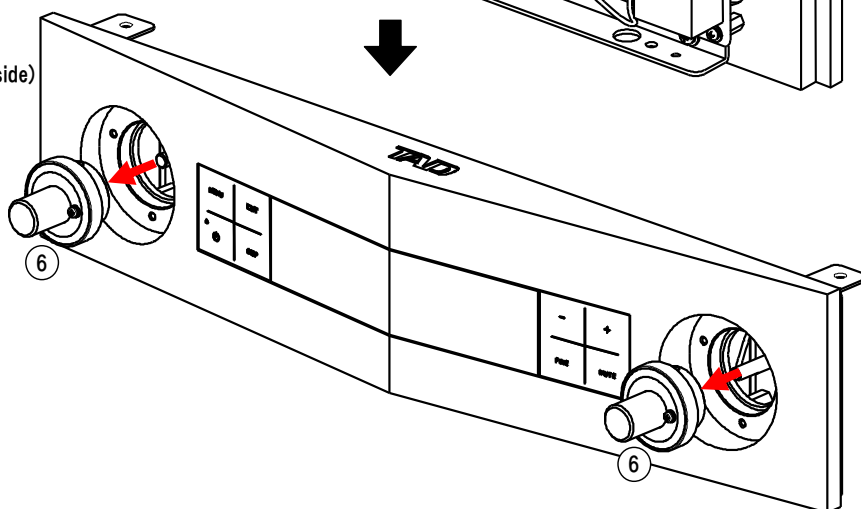
- ③ネジを外す。(x3/片側)
Remove the screws.(x3/side)
- ④プレート/BRLを外す。(x1/片側)
Take out the PLATE/BRL.(x1/side)



- ⑤イモネジを外す。(x2/片側) ※2
Remove the set screws.(x2/side) ※2

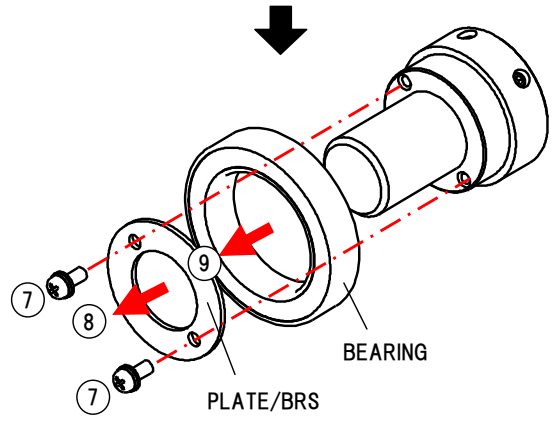


- ⑥シャフト/VOLを本体から外す。(x1/片側)
Take out the SHAFT/VOL from the product.(x1/side)



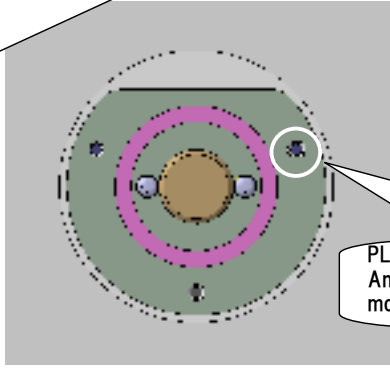
TAD-C600

- ⑦ネジを外す。(x2/片側)
Remove the set screws.(x2/side)
- ⑧プレート/BRSを外す。(x1/片側)
Take out the PLATE/BRS.(x1/side)
- ⑨ベアリングを外す。(x1/片側)
Take out the BEARING.(x1/side)



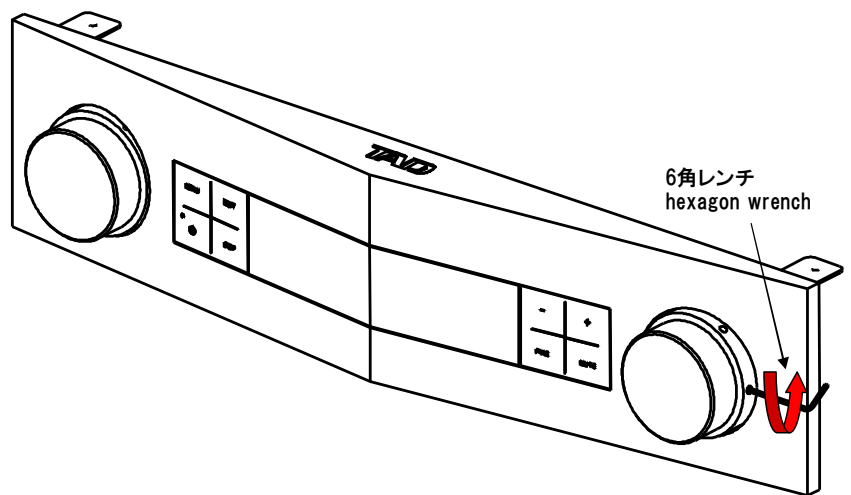
PLATE/BRSはマーキングが手前を向くように取り付けること。
PLATE/BRS should be mounted facing the marking to front.

組立て時の注意
Note on Assembling

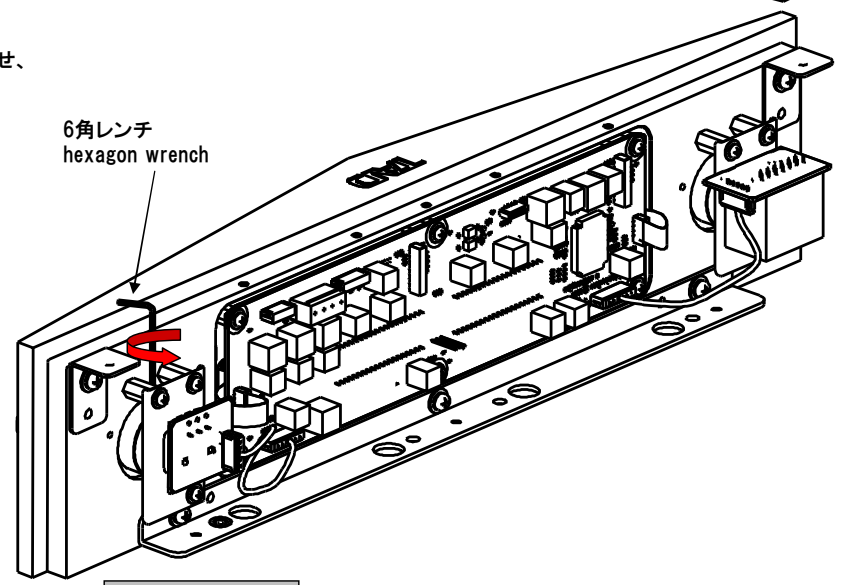


PLATE/BRLは長孔が右側にくるように取り付けること。
An elongated hole on PLATE/BRL should be the right side when mounting.

※1
ノブ/VOLを外す時には、ノブ/VOLを回転させ、
6角レンチを横から挿入できるようにしてから
イモネジを外すこと。
When removing the KNOB/VOL, turn the knob
until a screw position face horizontal direction.
Then insert hexagon wrench from side.



※2
シャフト/VOLを外す時には、シャフト/VOLを回転させ、
6角レンチを上から挿入できるようにしてから
イモネジを外すこと。
When removing the SHAFT/VOL, turn the shaft
until a screw position face vertical direction.
Then insert hexagon wrench from top.

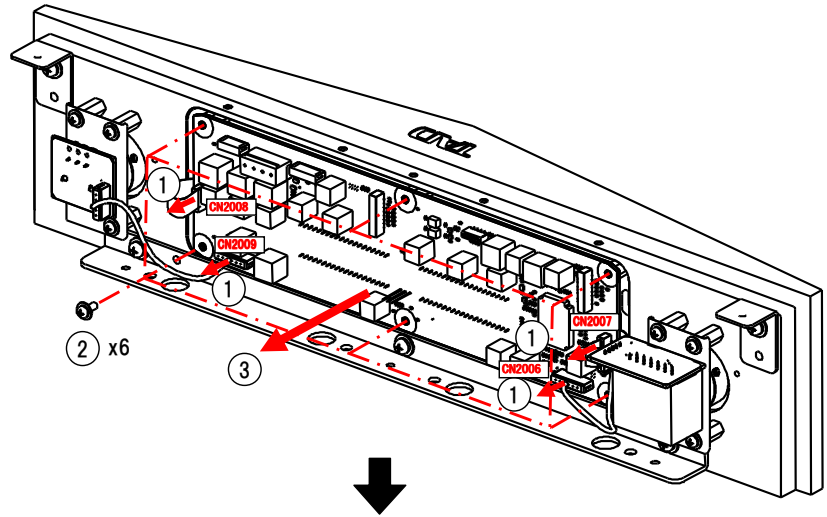


TAD-C600

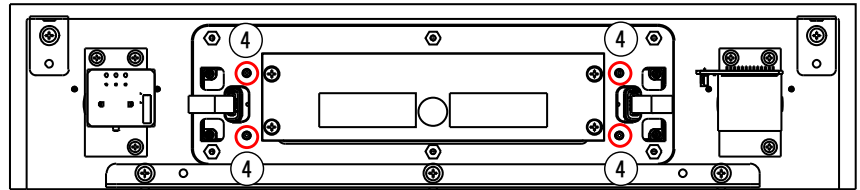
【4】ボタン部

Button Section

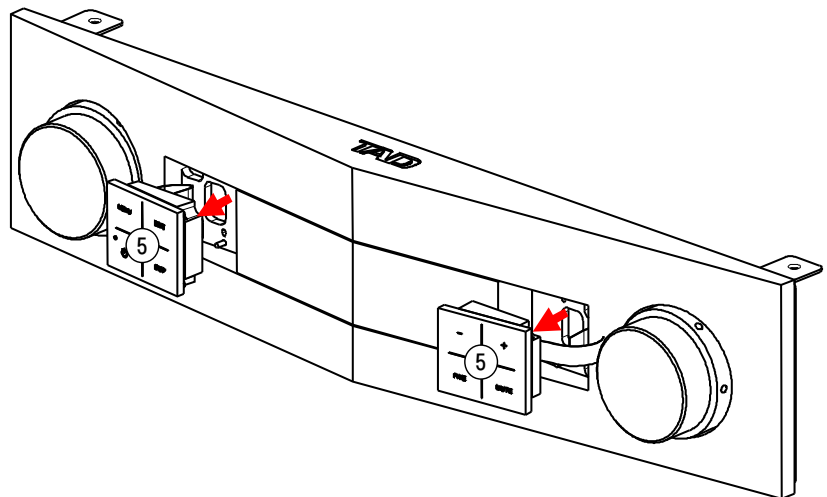
- ①CN2006～CN2009を外す。
Disconnect the CN2006 to CN2009.
- ②ネジを外す。(x6)
Remove the screws.(x6)
- ③FPKB Unitを外す。
Take out the FPKB Unit.



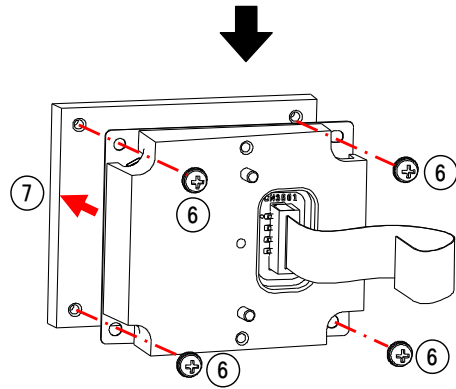
- ④ネジを外す。(x2/片側)
Remove the screws.(x2/side)



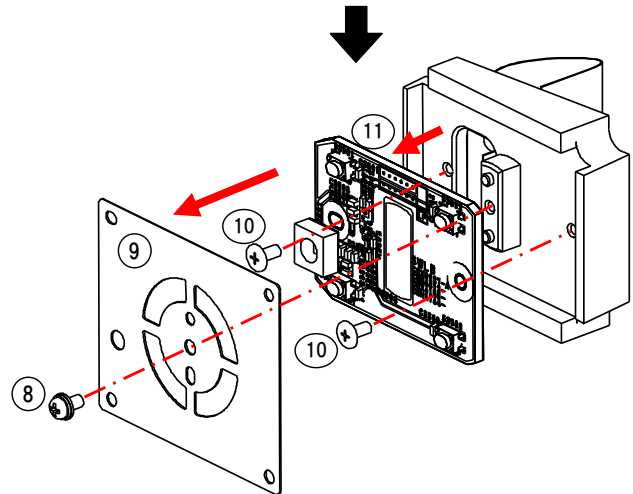
- ⑤ボタンAssyを外す。(x1/片側)
Take out the BUTTON Assy.(x1/side)



- ⑥ネジを外す。(x4/片側)
Remove the set screws.(x4/side)
- ⑦ボタン/L(R)を外す。(x1/片側)
Take out the BUTTON/L(R).(x1/side)



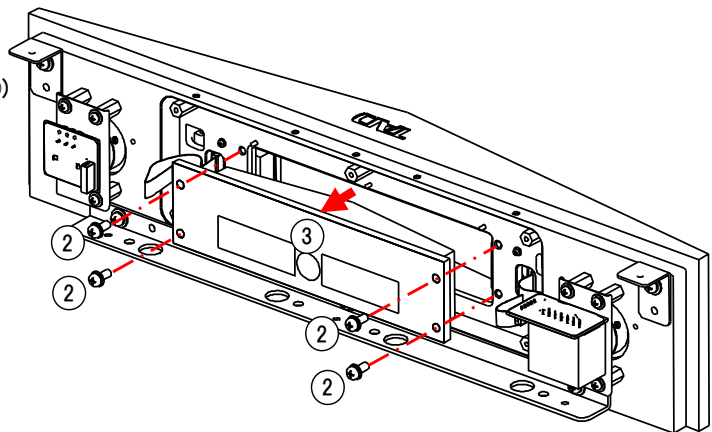
- ⑧ネジを外す。(x1/片側)
Remove the set screws.(x1/side)
- ⑨LEAF SPRING/BTNを外す。(x1/片側)
Take out the LEAF SPRING/BTN.(x1/side)
- ⑩ネジを外す。(x2/片側)
Remove the set screws.(x2/side)
- ⑪SWLB(SWRB) Unitを外す。(x1/片側)
Take out the SWLB(SWRB) Unit.(x1/side)



【5】ディスプレイパネル部

Display Panel Section

- ①FPKB Unitを外す。([3]ボタン部 ①~③参照)
Take out the FPKB Unit. (Refer to [3]Button Section ① to ③)
- ②ネジを外す。(x4)
Remove the screws.(x4)
- ③パネル/Dを外す。
Take out the PANEL/D.



各PCB Assyの外し方
Disassembly of PCB Assemblies

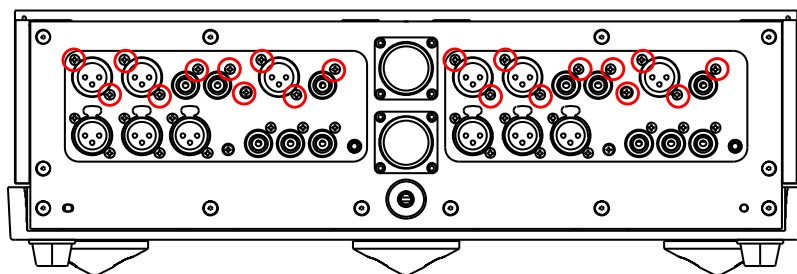
以下の作業は、天面部を外してから行う。(“各部の外し方”参照)

Note: Before you start the following disassembly procedures, Panel/TOP have to be removed.
(See “Disassembly”.)

■AOUT Unit

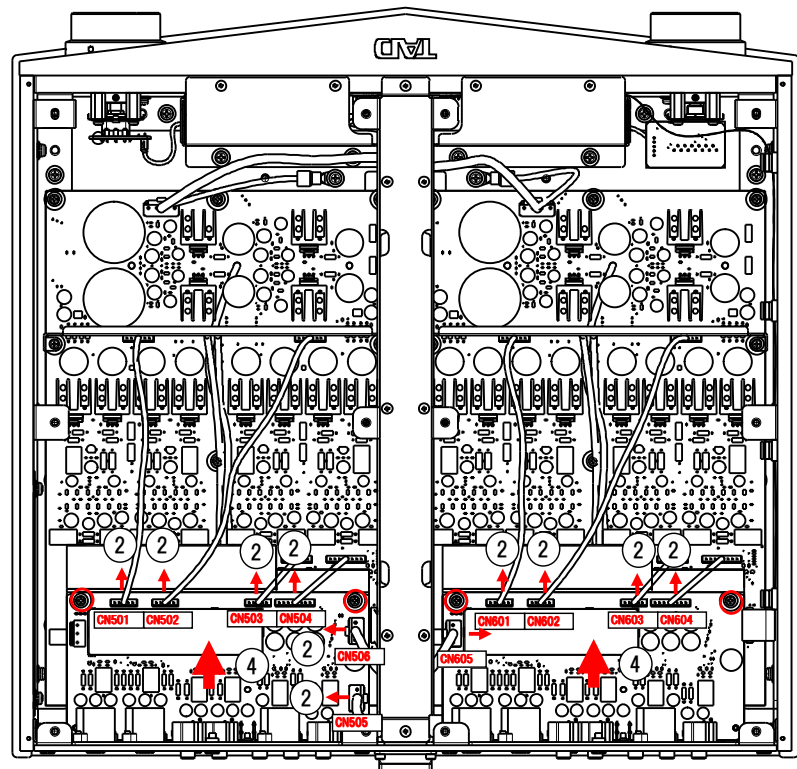
- ①ネジを外す。(x20)
Remove the screws.(x20)

①  x20



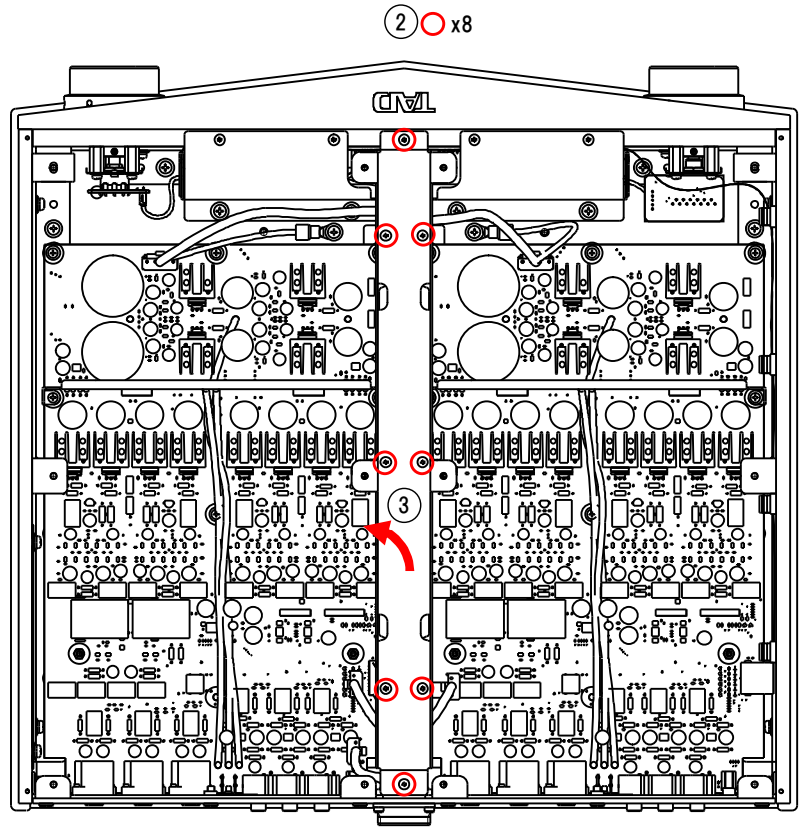
③  x4

- ②CN501～CN506, CN601～CN605を外す。
Disconnect the CN501 to CN506, CN601 to CN605.
③ネジを外す。(x4)
Remove the screws.(x4)
④AOUT基板をプレート/TRMから外す。
Take out the AOUT Unit from PLATE/TRM.



■AUDIO Unit

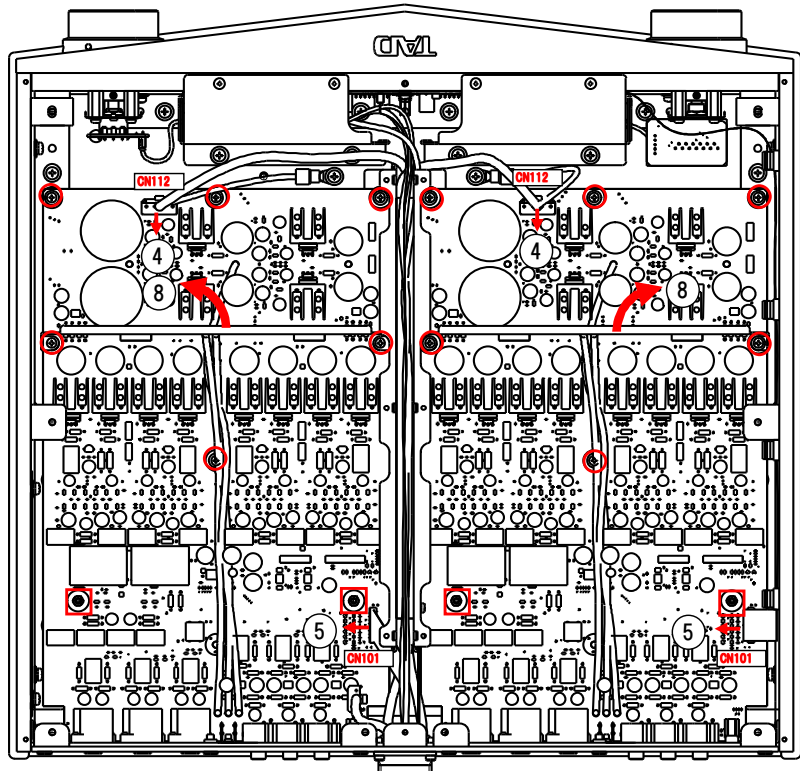
- ① AOUT基板を外す。(x2)
("■AOUT Unit"参照。)
Take out the AOUT Unit from the product.(x2)
(See "■AOUT Unit".)
- ② ネジを外す。(x8)
Remove the screws.(x8)
- ③ ビーム/CTRを外す。
Take out the BEAM/CTR.



⑥ ○ x12

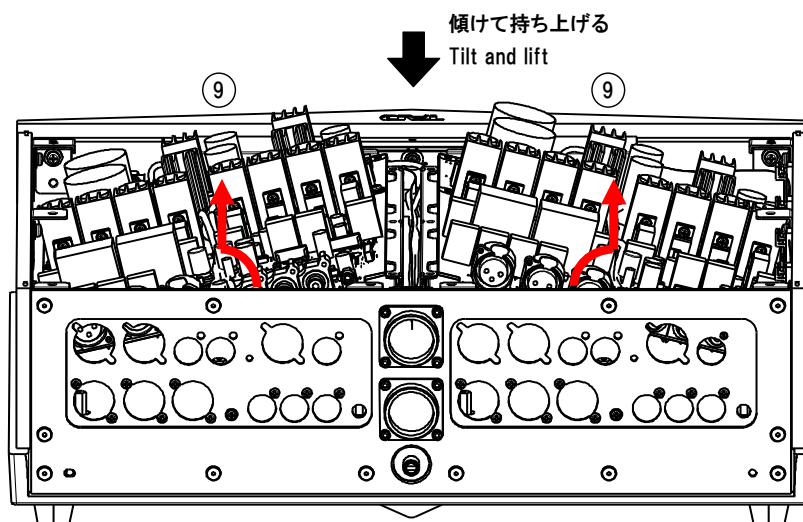
⑦ □ x4

- ④ CN112 (L&R)を外す。
Disconnect the CN112 (L&R).
- ⑤ CN101 (L&R)を外す。
Disconnect the CN101 (L&R).
- ⑥ ネジを外す。(x12)
Remove the screws.(x12)
- ⑦ スタッドを外す。(x4)
Remove the studs.(x4)
- ⑧ シールドプレートを外す。(x2)
Take out the SHIELD PLATE.(x2)



TAD-C600

- ⑨AUDIO基板を本体から外す。
Take out the AUDIO Unit from the products.



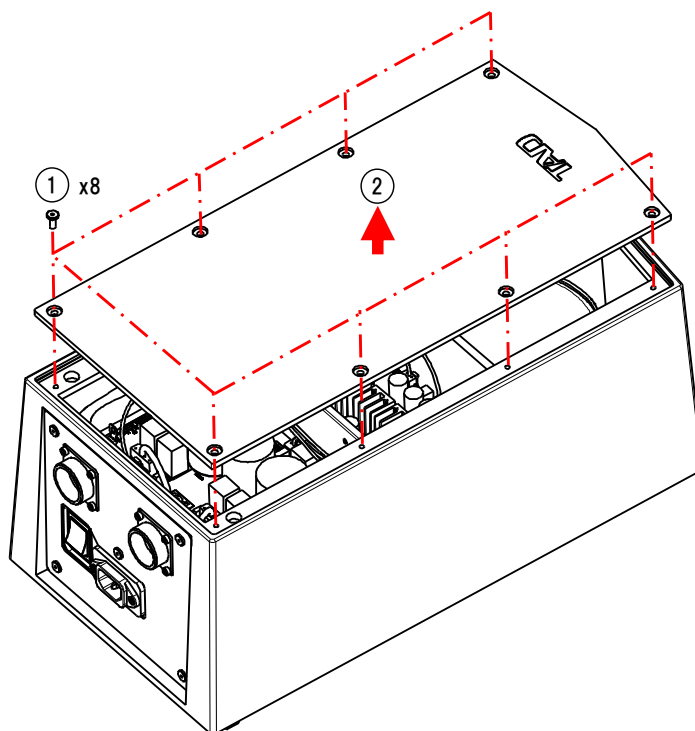
7.2 電源部

各部の外し方
Disassembly

【1】天面部

Top Section

- ①ネジを外す。(x8)
Remove the screws.(x8)
②パネルを外す。
Take out the PANEL.



TAD-C600

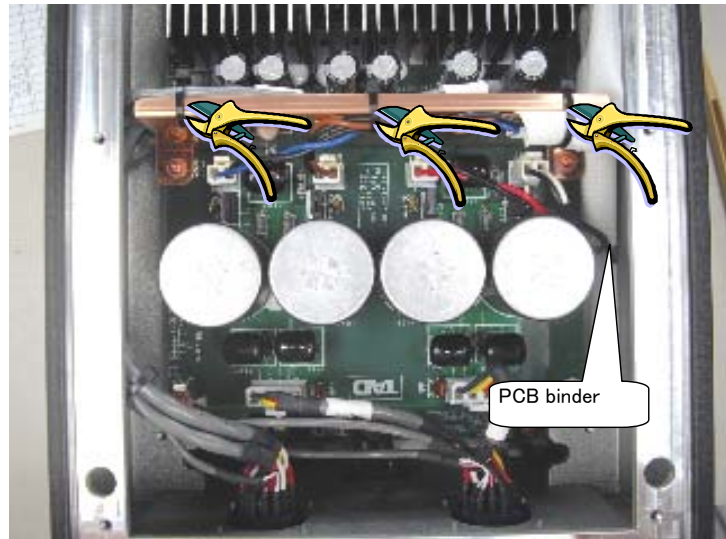
各PCB Assyの外し方
Disassembly of PCB Assemblies

以下の作業は、天面部を外してから行う。(“各部の外し方”参照)

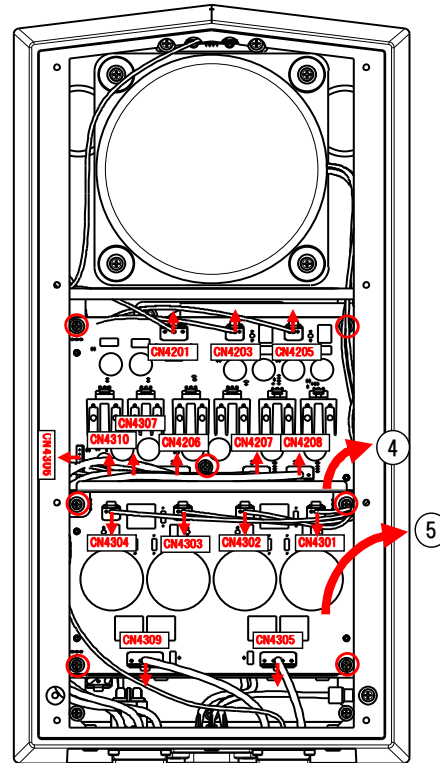
Note: Before you start the following disassembly procedures, Panel(TOP) have to be removed.
(See “Disassembly”.)

■SEC Unit

- ① バインダーをカットする。(x3)
Cut the binders.(x3)
- ② CN4201, CN4203, CN4205~CN4208, CN4301~CN4307, CN4309, CN4310を外す。
Disconnect the CN4201, CN4203, CN4205 to CN4208, CN4301 to CN4307, CN4309 and CN4310.
- ③ ネジを外す。(x7)
Remove the screws.(x7)
- ④ ブラケットを外す。
Take out the BRACKET.
- ⑤ SEC基板を本体から外す。
Take out the SEC Unit from the products.



3 〇 x7



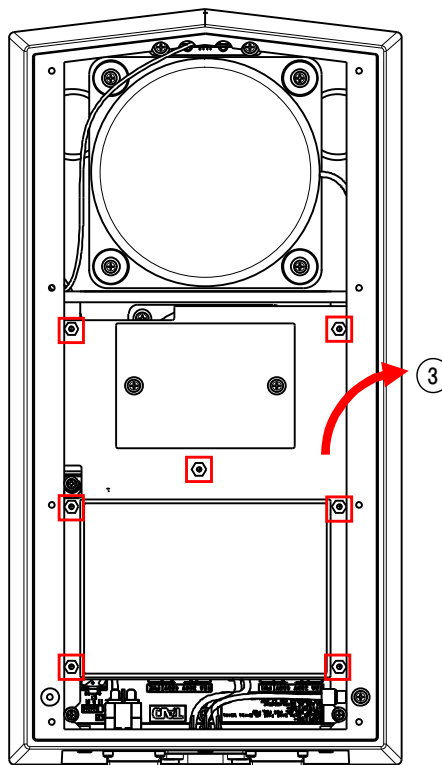
配線時の注意
Note on wiring



■PRI Unit

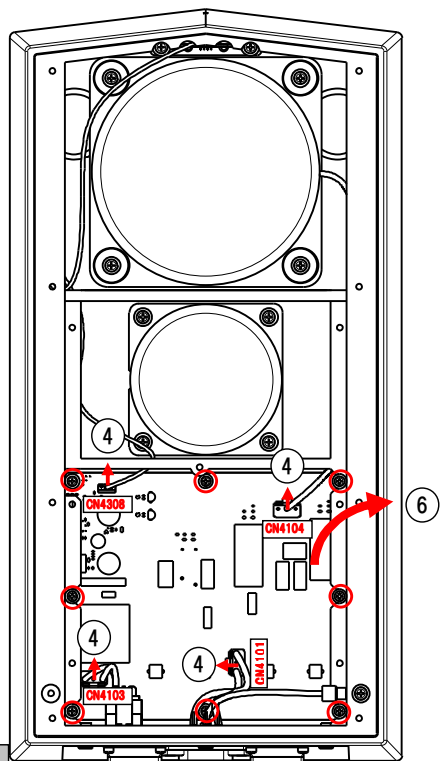
- ① SEC基板を外す。
(“■SEC Unit”参照。)
Take out the SEC Unit from the product.
(See “■SEC Unit”.)
- ② スタッドを外す。(x7)
Remove the studs.(x7)
- ③ シールドプレート/PRを外す。
Take out the SHIELD PLATE/PR.

② □ x7



⑤ ○ x8

- ④ CN4101, CN4103, CN4104, CN4308を外す。
Disconnect the CN4101, CN4103, CN4104 and CN4308.
- ⑤ ネジを外す。(x8)
Remove the screws.(x8)
- ⑥ PRI基板を本体から外す。
Take out the PRI Unit from the products.



TAD-C600

8. EACH SETTING AND ADJUSTMENT

8.1 ADJUSTMENT

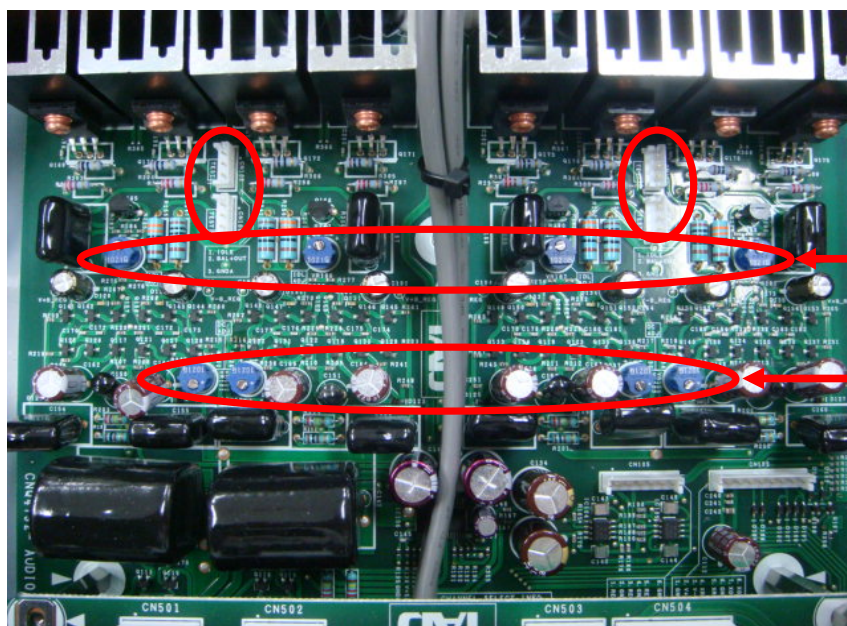
[1]ADJUSTMENT ITEMS AND LOCATION

■Adjustment Items

[AUDIO UNIT DC OFFSET VOLTAGE AND IDLE CURRENT ADJUSTMENTS]

- (1)Turn on the unit with no load and no signal input.
- (2)Adjust the VR101 semifixed resistor for DC offset adjustment so that the DC offset voltages become $0\text{ mV} \pm 10\text{ mV}$.
- (3)Adjust the VR105 semifixed resistor for idle current adjustment so that the voltages at the end of the emitter resistor become $89\text{ mV} \pm 1\text{ mV}$.
- (4)As same, adjust the VR102 semifixed resistor for DC offset adjustment and adjust the VR106 semifixed resistor for idle current adjustment.
- (5)As same, adjust the VR103 semifixed resistor for DC offset adjustment and adjust the VR107 semifixed resistor for idle current adjustment.
- (6)As same, adjust the VR104 semifixed resistor for DC offset adjustment and adjust the VR108 semifixed resistor for idle current adjustment.
- (7)Let the unit sit for 30 minutes under windless conditions.
- (8)Again, it checks, and if required, it will adjust.

■Adjustment and Measurement Points



VR105,VR106,
VR107,VR108
idle current adjustment

VR101,VR102,
VR103,VR104
DC offset adjustment

/When measuring the idle current
(the voltages at the end of the emitter resistor)
CN106,CN108,CN109,CN111(3P EH pin)
1:IDLE
2:BAL±OUT
3:GNDA

Jigs for measurement: 3P EH connector
Measurement points: Measure the voltage
between pin 1 and pin 2.

/When measuring the DC offset voltage
CN106,CN108,CN109,CN111(3P EH pin)
1:IDLE
2:BAL±OUT
3:GNDA

Jigs for measurement: 3P EH connector
Measurement points: Measure the voltage
between pin 2 and pin 3.

■

5

■

6

■

7

■

8

■

A

■

B

■

C

■

D

■

E

■

F

■

5

■

6

TAD-C600

■

7

■

8

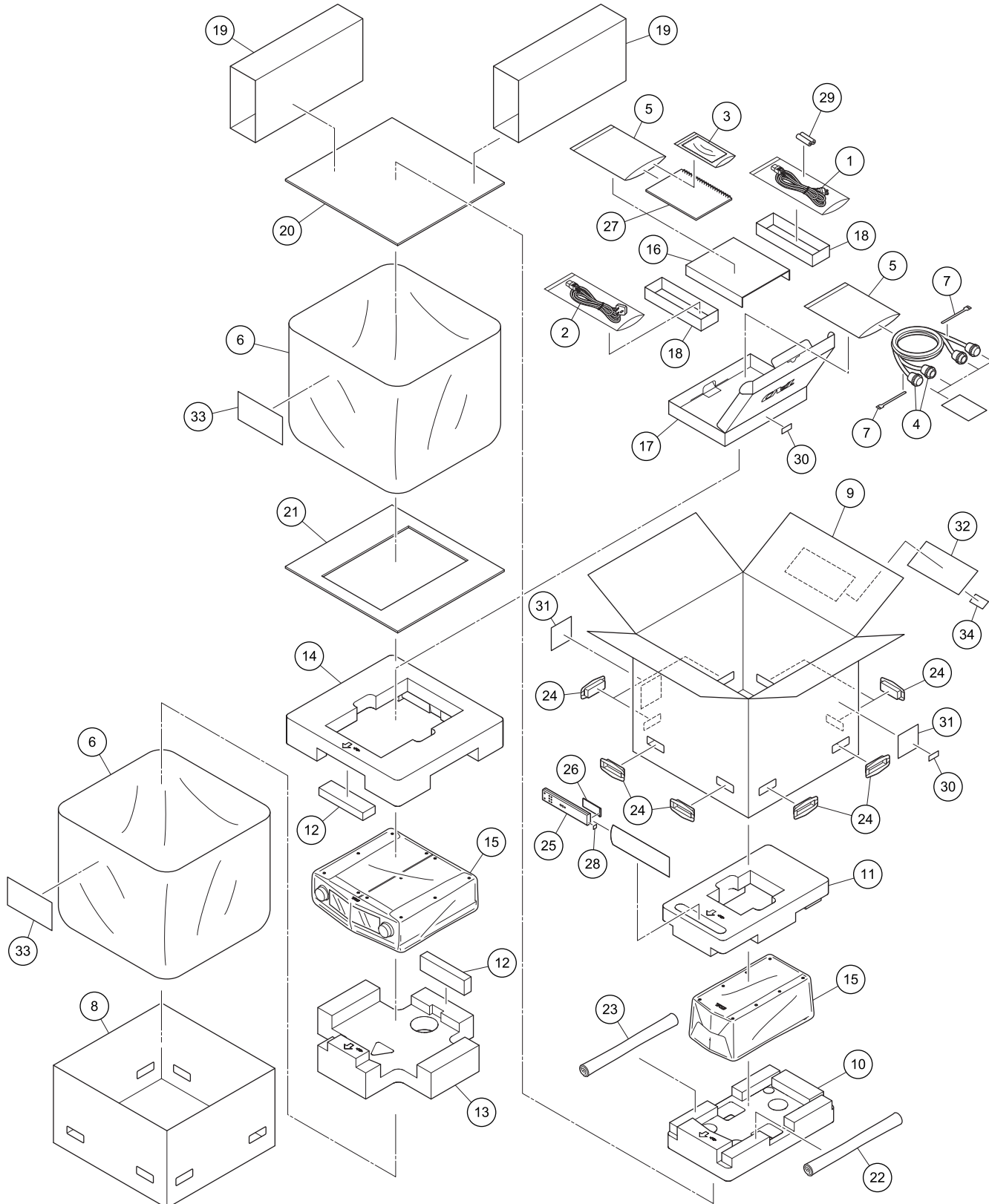
■

9. EXPLODED VIEWS AND PARTS LIST

NOTES : • Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to ∇ mark on the product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual.
(In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING



(1) PACKING SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
⚠	1 AC Power Cord	See Contrast table (2)	18	Spacer	CHW2146
⚠	2 AC Power Cord	See Contrast table (2)	* 19	Spacer	CHW2226
	3 Wiping Cloth	AED1285	* 20	Partition	CHW2242
⚠	4 Conn-Cord	CDE9599			
	5 Polyethylene Bag	CEG1173	* 21	Partition	CHW2248
			22	Felt	CNN4001
	6 Polyethylene Bag	CEG1452	23	Felt	CNN4002
*	7 Tie/GRP	CEH1016	24	Holder	CNW2003
	8 Box/BTM	CHA3905	25	Remote Control Unit	CYX1028
	9 Carton Box	CHG7645			
	10 Protector	CHP3982	26	Battery Cover	See Contrast table (2)
			27	Owner's Manual	CRD4592
	11 Protector	CHP3983	* 28	Label (WEEE)	See Contrast table (2)
	12 Pad	CHP4348	* 29	Battery (R3)	VEM1051
	13 Protector	CHP4360	* 30	Label	VRW1629
	14 Protector	CHP4361			
	15 Sheet	CHV1005	* 31	Name Label	CAL7803
			* 32	Caution Label	CAN6805
*	16 Partition	CHW2135	* 33	Label	See Contrast table (2)
	17 Accessory Box	CHW2145	* 34	Label	See Contrast table (2)

(2) CONTRAST TABLE

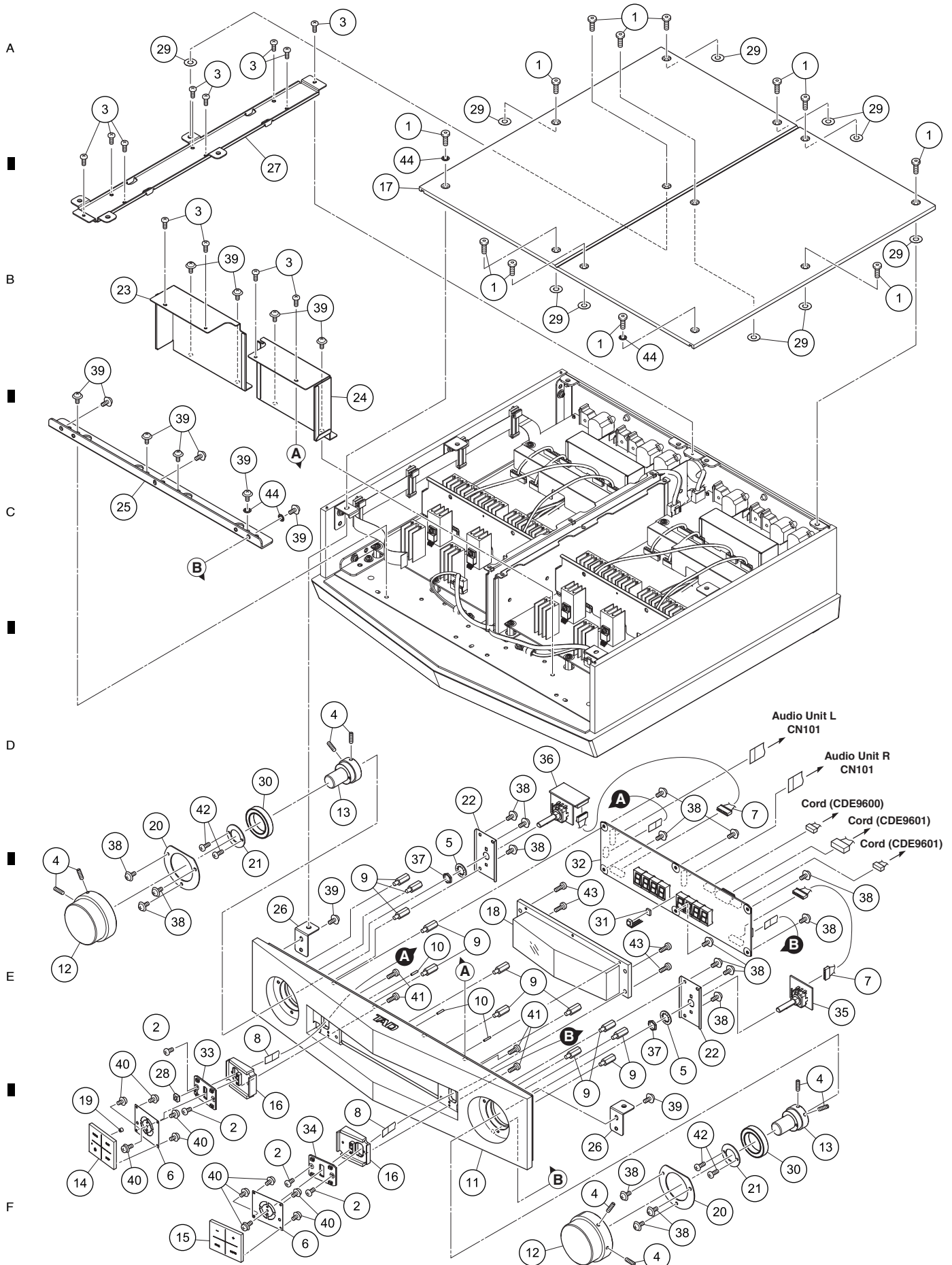
TAD-C600/U and TAD-C600/YVSL8 are constructed the same except for the following:

<u>Mark</u>	<u>No.</u>	<u>Description</u>	<u>TAD-C600/U</u>	<u>TAD-C600/YVSL8</u>
⚠	1	AC Power Cord	ADG7061	ADG7062
⚠	2	AC Power Cord	Not used	ADG7104
	26	Battery Cover	Not used	CNW2257
*	28	Label (WEEE)	Not used	ARW7322
*	33	Label	CAN6233	Not used
*	34	Label	VRW1629	Not used

Owner's Manual Manual

<u>Part No.</u>	<u>Language</u>
CRD4592	English, French, Spanish(Espanol), German, Italian, Russian, Traditional Chinese

9.2 EXTERIOR(1)

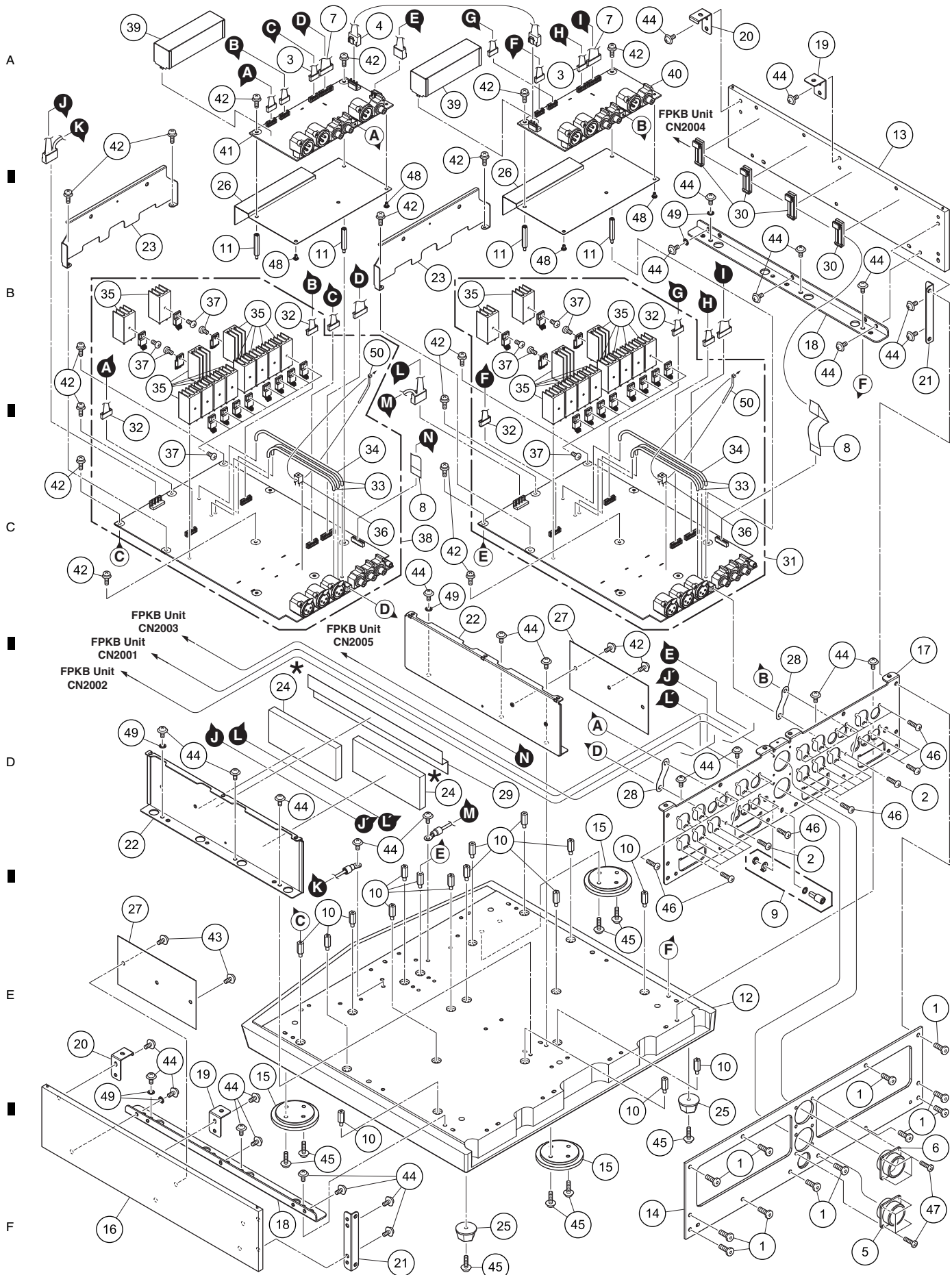


TAD-C600

EXTERIOR(1) SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	
1	Screw	CBA2215	
2	Screw	CBA2263	A
3	Screw	CBA2280	
4	Set Screw	CBA2301	
5	Toothed Washer	CBE1064	
6	Leaf Spring/BTN	CBL1834	
7	Conn-Cord	CDE9447	
8	FFC	CDE9604	
9	Stud	CLA4963	
10	Pin	CLA4966	
11	Panel/F	CLA5029	B
12	Knob/VOL	CLA5034	
13	Shaft/VOL	CLA5035	
14	Button/L	CLA5036	
15	Button/R	CLA5037	
16	Plate/BTN	CLA5038	
17	Panel/TOP	CLA5044	
18	Panel/D	CLM1020	
19	Lens	CLM1021	
20	Plate/BRL	CND6142	C
21	Plate/BRS	CND6143	
22	Plate/ECD	CND6302	
23	Plate/DPL	CND6303	
24	Plate/DPR	CND6304	
25	Bracket/PNL	CND6305	
26	Bracket/FRT	CND6306	
27	Beam/CTR	CND6332	
28	Cushion/LED	CNN3925	
29	Washer/PAP	CNN4160	
30	Bearing	CNR2100	D
31	Spacer	CNM8418	
32	FPKB Unit	CWH1743	
33	SWLB Unit	CWH1744	
34	SWRB Unit	CWH1745	
35	VR Unit	CWH1746	
36	FNC Unit	CWH1747	
37	Nut	NK90FTC	
38	Screw	PMB30P080FCC	E
39	Screw	PMB40P080FCC	
40	Screw	PMH20P040FTC	
41	Screw	PMH20P100FTC	
42	Screw	PMH26P060FTC	
43	Screw	PMH40P100FCC	
44	Washer	WG40FCC	

9.3 EXTERIOR(2)

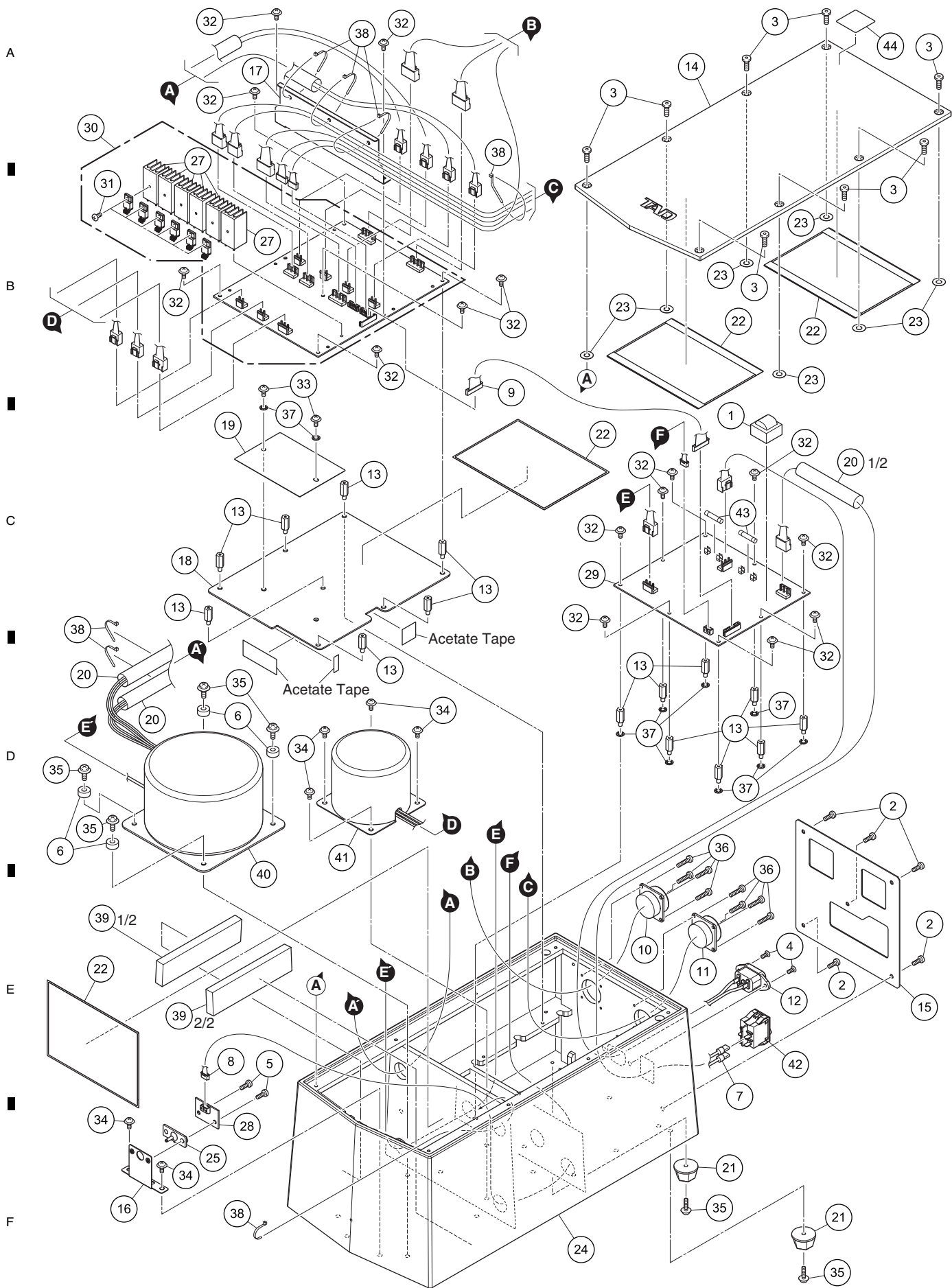


✱: Before using, cut 10 mm from the lower-end of the cushion (number 24).

EXTERIOR(2) SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	Screw	CBA2215	50	Binder (BK-1)	ZCA-BK1
2	Screw	CBA2303			
3	Conn-Cord	CDE9447			
4	Conn-Cord	CDE9598			
5	Conn-Cord	CDE9600			
6	Conn-Cord	CDE9601			
7	Conn-Cord	CDE9613			
8	FFC	CDE9624			
9	Earth Terminal	CKE1078			
10	Stud	CLA4963			
11	Stud	CLA5008			
12	Chassis	CLA5028			
13	Panel/L	CLA5030			
14	Panel/RE	CLA5033			
15	Insulator	CLA5040			
16	Panel/R	CLA5043			
17	Plate/TRM	CNB3793			
18	Bracket/PNL	CND6305			
19	Bracket/FRT	CND6306			
20	Bracket/SID	CND6307			
21	Bracket/PR	CND6308			
22	Frame/CTR	CND6331			
23	Shield Plate	CND6451			
24	Cushion	CNN3334			
25	Foot	CNN3414			
26	I-Shield Sheet	CNN4029			
27	I-Shield Sheet	CNN4030			
28	Sheet/GND	CNN4158			
29	Shield Sheet	CNN4159			
30	Cord Clamper/D	CNW2467			
31	Audio Unit L	CWH1739			
32	Conn-Cord	CDE9597			
33	Earth Lead Wire	CDE9605			
34	Earth Lead Wire	CDE9682			
35	Heat Sink	CLX1028			
36	Holder	CND5464			
37	Screw	PMH30P080FCC			
38	Audio Unit R	CWH1740			
39	Shield Case	CND6452			
40	AOUT Unit L	CWH1741			
41	AOUT Unit R	CWH1742			
42	Screw	PMB30P080FCC			
43	Screw	PMB40P060FCC			
44	Screw	PMB40P080FCC			
45	Screw	PMB40P140FCC			
46	Screw	PPZ30P080FNI			
47	Screw	SMZ30H100S			
48	Rivet	VEC1907			
49	Washer	WG40FCC			

9.4 EXTERIOR(3)



TAD-C600

(1) EXTERIOR(3) SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
⚠ 1	Power Transformer(T4101)	See Contrast table (2)	23	Washer/PAP	CNN4160
2	Screw	CBA2215	24	Chassis	CNR2059
3	Screw	CBA2230	25	Lens	CNW1976
4	Screw	CBA2242			
5	Screw	CBA2260	26	CWX4160
			27	Heat Sink	CLX1028
6	Washer/SUS	CBE1066	28	PLED Unit	CWH1748
7	Cord	CDE9193	29	PRI Unit	CWH1749
8	Cord	CDE9194	30	SEC Unit	CWH1750
9	Cord	CDE9195			
10	Conn-Cord	CDE9602	31	Screw	PMH30P080FCC
			32	Screw	PMB30P080FCC
11	Conn-Cord	CDE9603	33	Screw	PMB40P060FCC
⚠ 12	AC Inlet Assy	CDX1017	34	Screw	PMB40P080FTC
13	Stud	CLA4963	35	Screw	PMB40P140FCC
14	Panel	CNB3643			
15	Panel	See Contrast table (2)	36	Screw	SMZ30H100S
			37	Washer	WG40FCC
16	Angle	CND6325	38	Binder (BK-1)	ZCA-BK1
17	Bracket	CND6326	39	Cushion	CNN3334
18	Shield Plate/PR	CND6460	⚠ 40	Power Transformer(T1)	See Contrast table (2)
19	Plate/SI	CND6515	⚠ 41	Power Transformer(T2)	See Contrast table (2)
20	Tube	CNN3231	42	Switch	CSH1076
			⚠ 43	Fuse (FU1, FU2)(10 A)	CEK1374
21	Foot	CNN3414	44	Label	See Contrast table (2)
22	Sheet	CNN3444			

(2) CONTRAST TABLE

TAD-C600/U and TAD-C600/YVSL8 are constructed the same except for the following:

<u>Mark</u>	<u>No.</u>	<u>Description</u>	<u>TAD-C600/U</u>	<u>TAD-C600/YVSL8</u>
⚠	1	Power Transformer(T4101)	ATT7079	ATT7078
	15	Panel	CNB3802	CNB3803
⚠	40	Power Transformer(T1)	CTT1203	CTT1204
⚠	41	Power Transformer(T2)	CTT1206	CTT1207
	44	Label	CAN6432	Not used

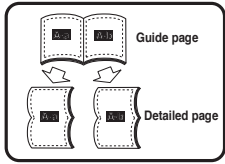
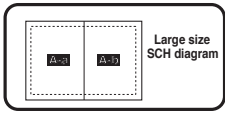
10. SCHEMATIC DIAGRAM

10.1 AUDIO L UNIT(1/2), AUDIO R UNIT(1/2)(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".

A-a 1/2

B-a 1/2



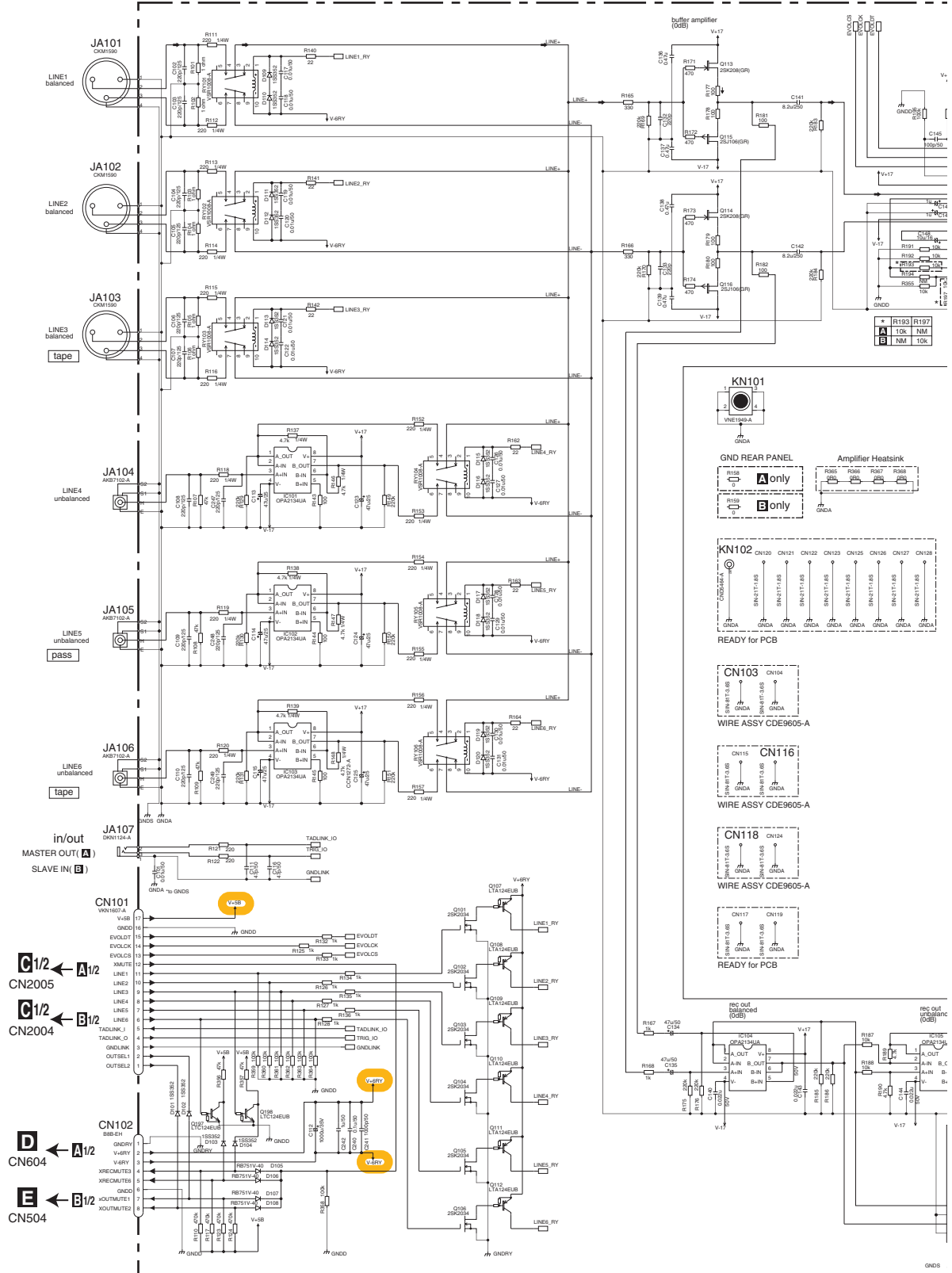
B

C

D

E

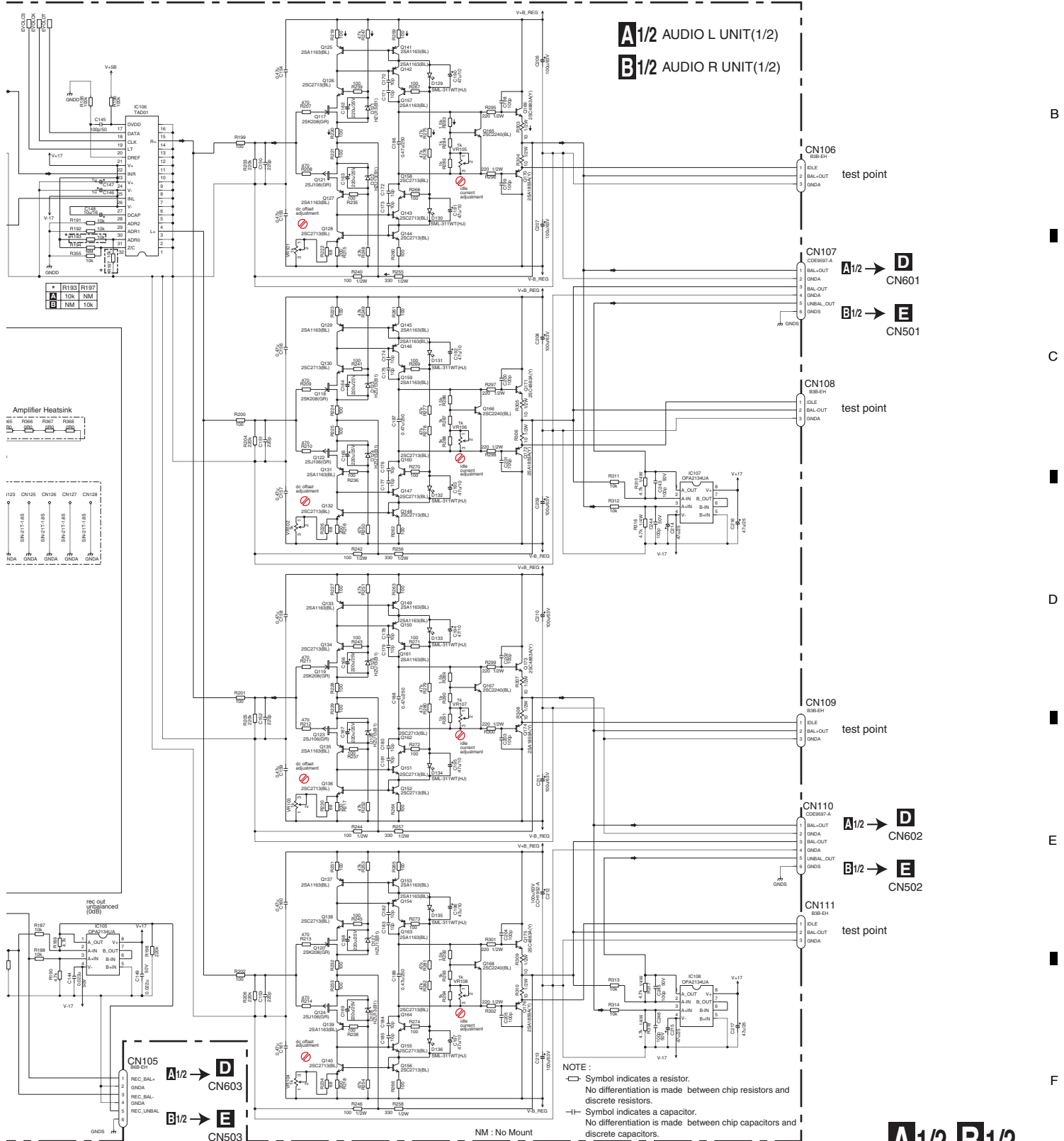
F



A 1/2 B 1/2

A-b 1/2

B-b 1/2



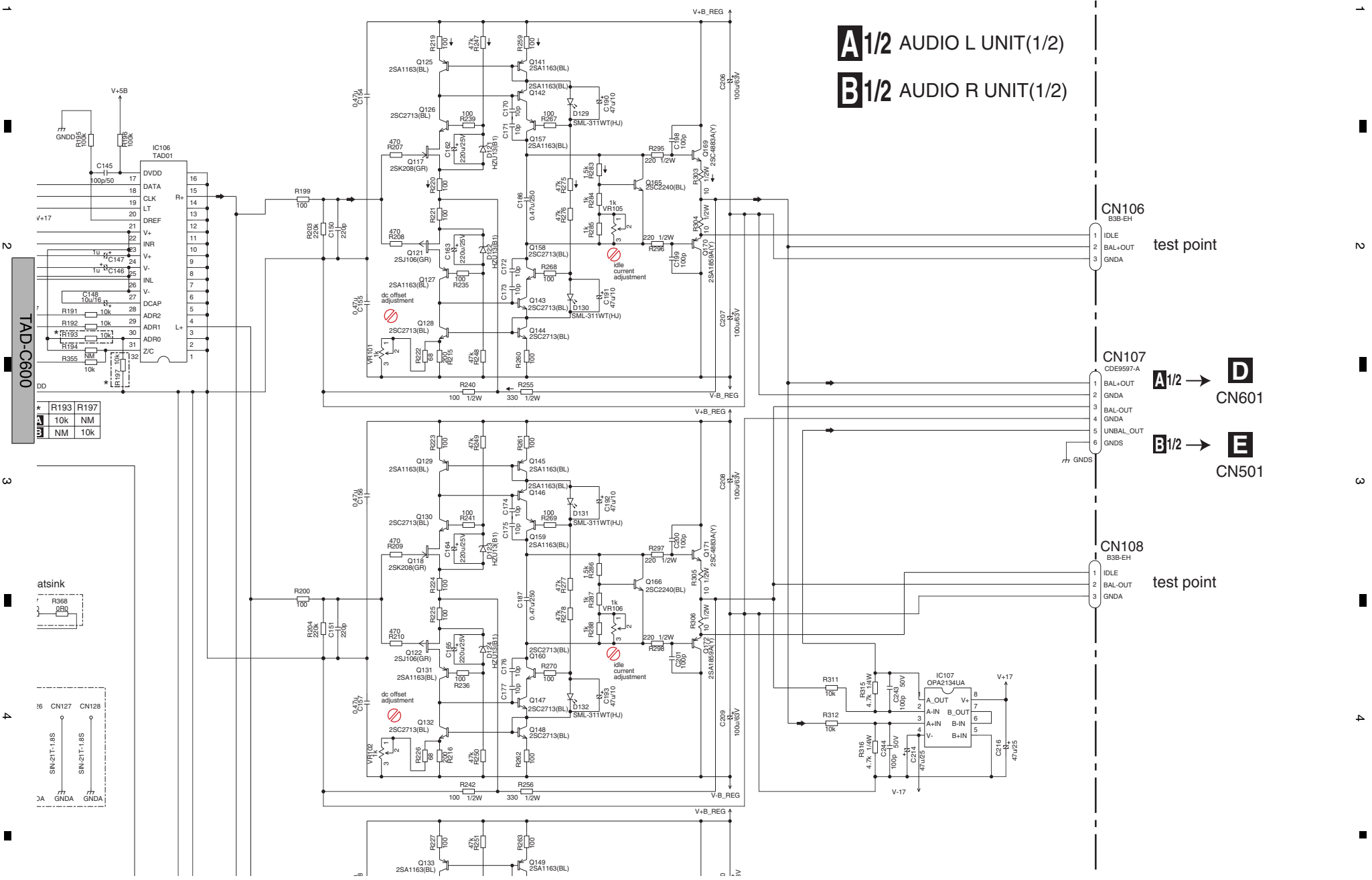
A 1/2 B 1/2

A-b 1/2

B-b 1/2

A-a A-b

B-a B-b



A1/2 AUDIO L UNIT(1/2)

B1/2 AUDIO R UNIT(1/2)

CN106
B3B-EH
1 IDLE
2 BAL-OUT
3 GNDA
test point

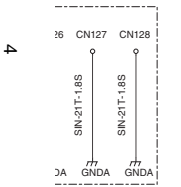
CN107
ODE9597-A
1 BAL-OUT
2 GNDA
3 BAL-OUT
4 GNDA
5 UNBAL-OUT
6 GNDS
A1/2 → D
CN601

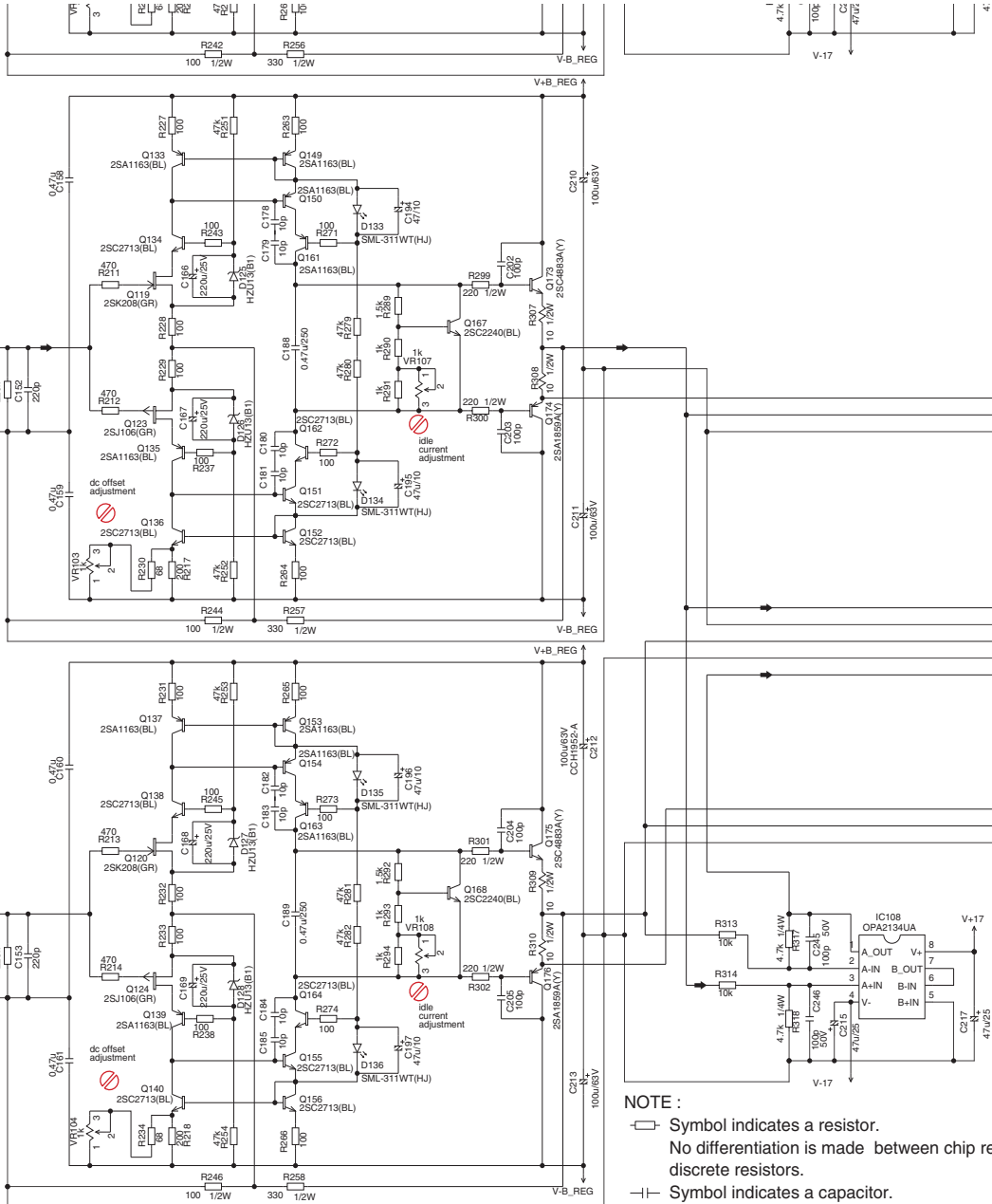
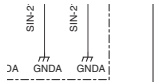
B1/2 → E
CN501

CN108
B3B-EH
1 IDLE
2 BAL-OUT
3 GNDA
test point

TAD-C600

* R193	R197
10k	NM
NM	10k



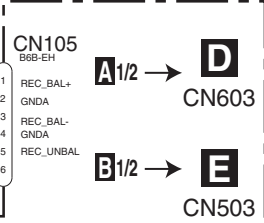
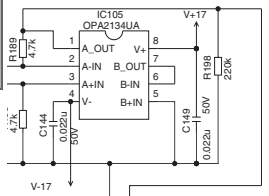


NOTE :
 □ Symbol indicates a resistor.
 No differentiation is made between chip resistors and discrete resistors.
 ─┤─ Symbol indicates a capacitor.
 No differentiation is made between chip capacitors and discrete capacitors.

NM : No Mount

TAD-C600

rec out unbalanced (0dB)

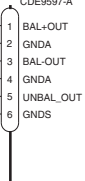


CN109



test point

CN110



A/2 → D
CN602

B/2 → E
CN502

CN111



test point

A-b 1/2
B-b 1/2



5

6

7

8

39

5

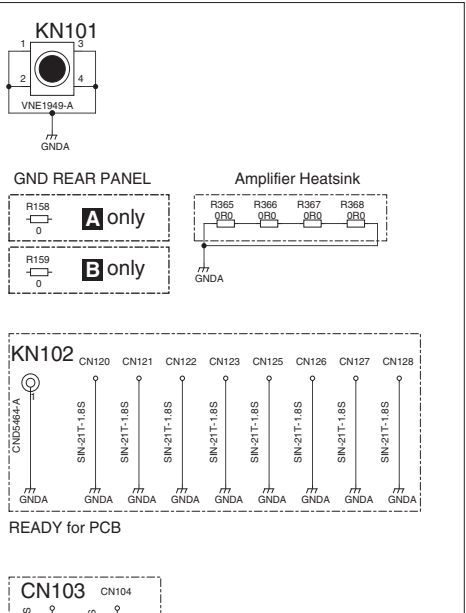
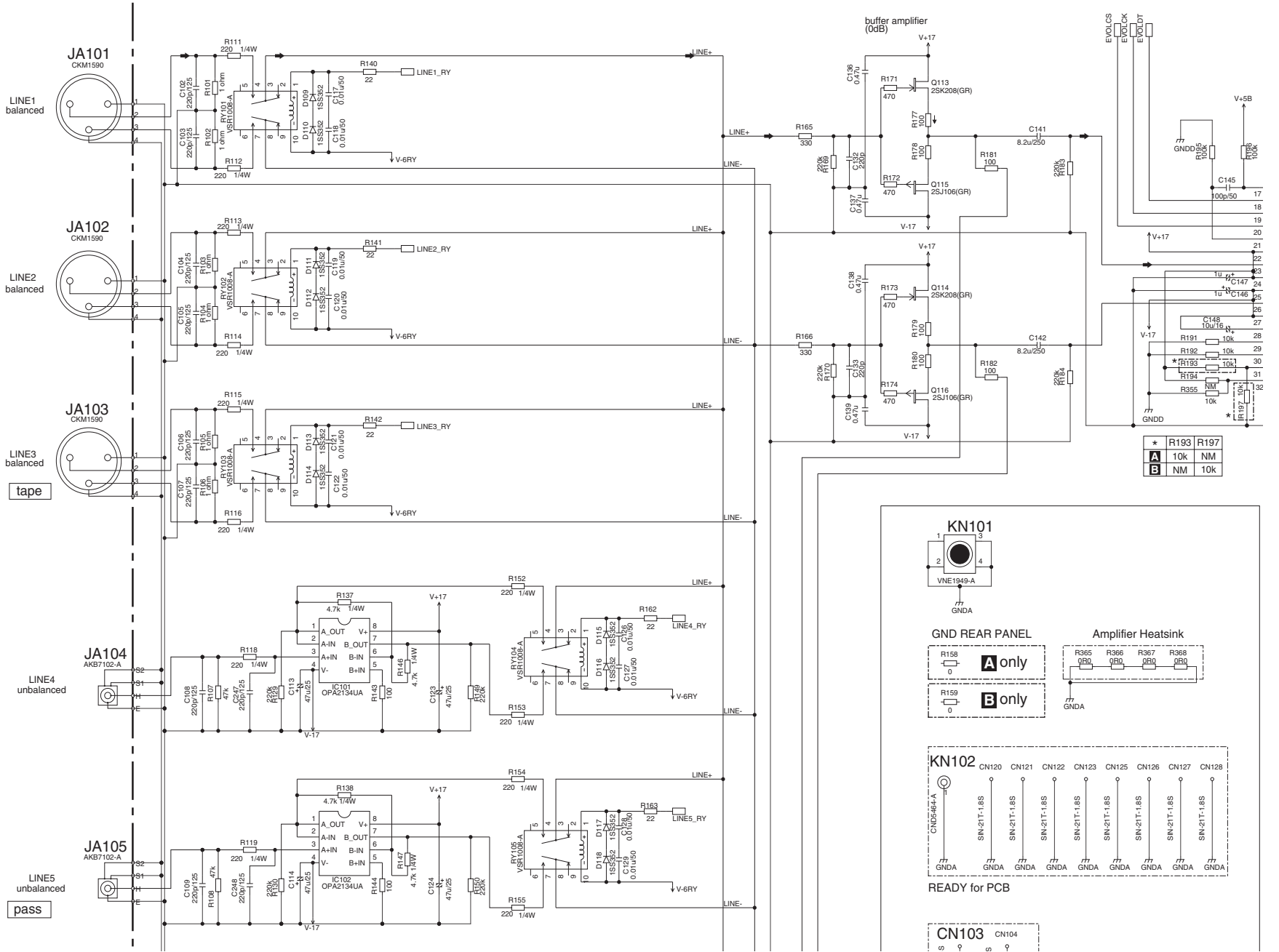
6

7

8

A-b 1/2
B-b 1/2

A-a A-b
B-a B-b



A-a 1/2
B-a 1/2

TAD-C600

40 1 2 3 4

5

6

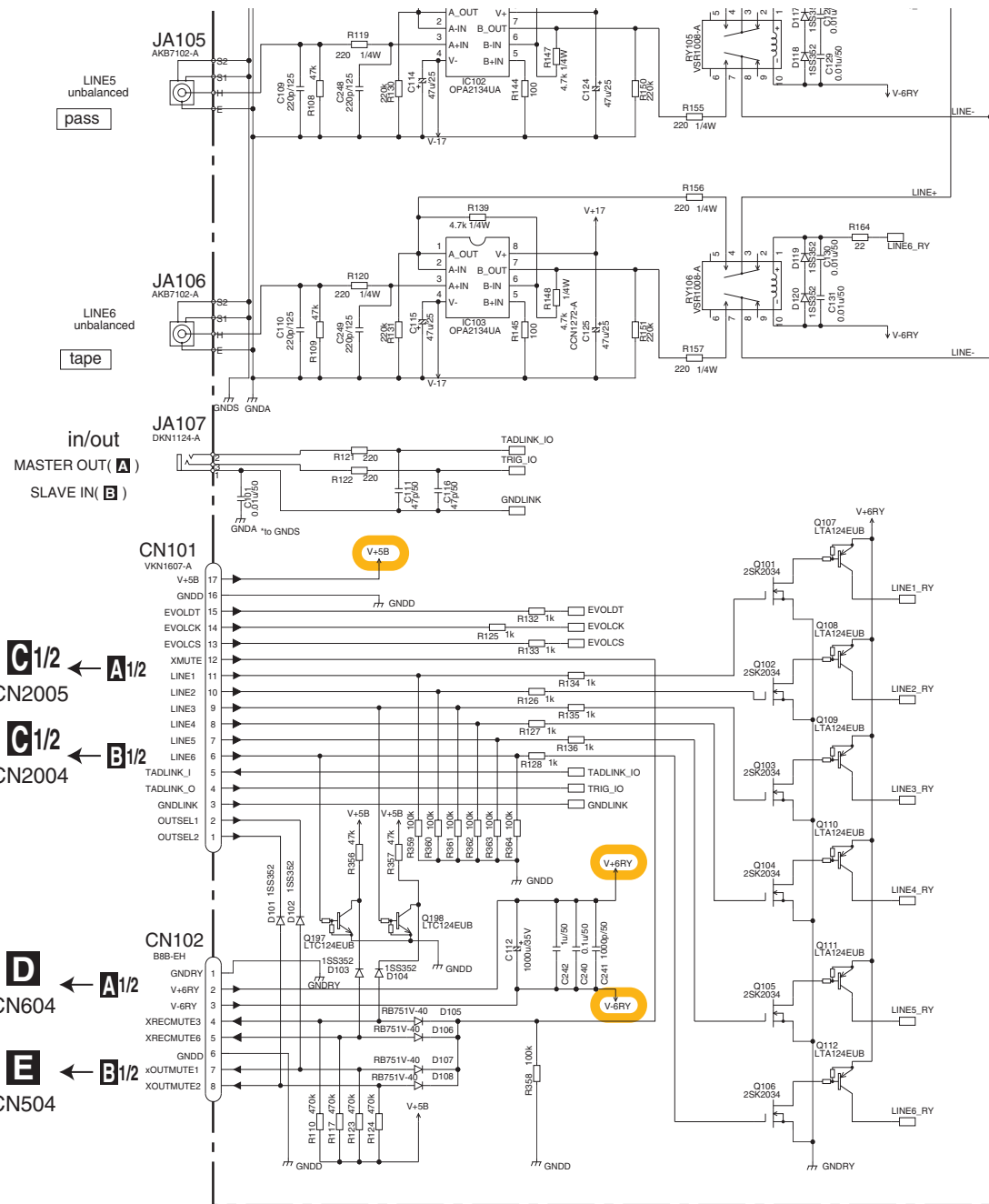
7

8

41

TAD-G600

A-a 1/2 B-a 1/2



LINE5 unbalanced
pass

LINE6 unbalanced
tape

in/out
MASTER OUT (A)
SLAVE IN (B)

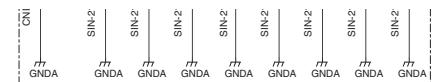
C1/2 ← A1/2
CN2005

C1/2 ← B1/2
CN2004

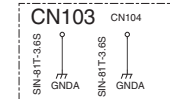
D ← A1/2
CN604

E ← B1/2
CN504

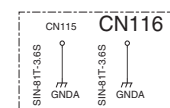
A-a A-b
B-a B-b



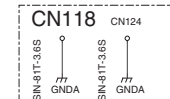
READY for PCB



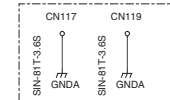
WIRE ASSY CDE9605-A



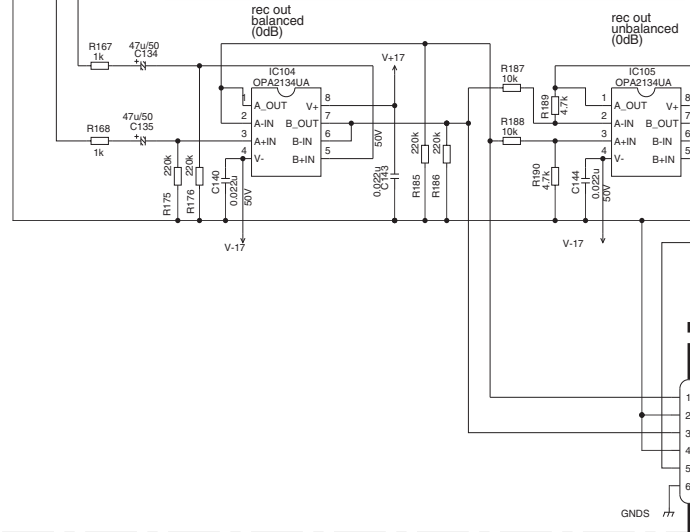
WIRE ASSY CDE9605-A



WIRE ASSY CDE9605-A



READY for PCB



rec out balanced (0dB)

rec out balanced (0dB)

A-b 1/2
B-b 1/2

10.2 AUDIO L UNIT(2/2), AUDIO R UNIT(2/2)

A

B

C

D

E

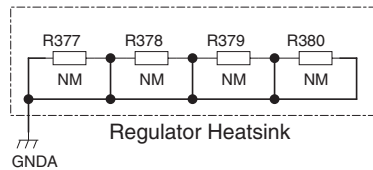
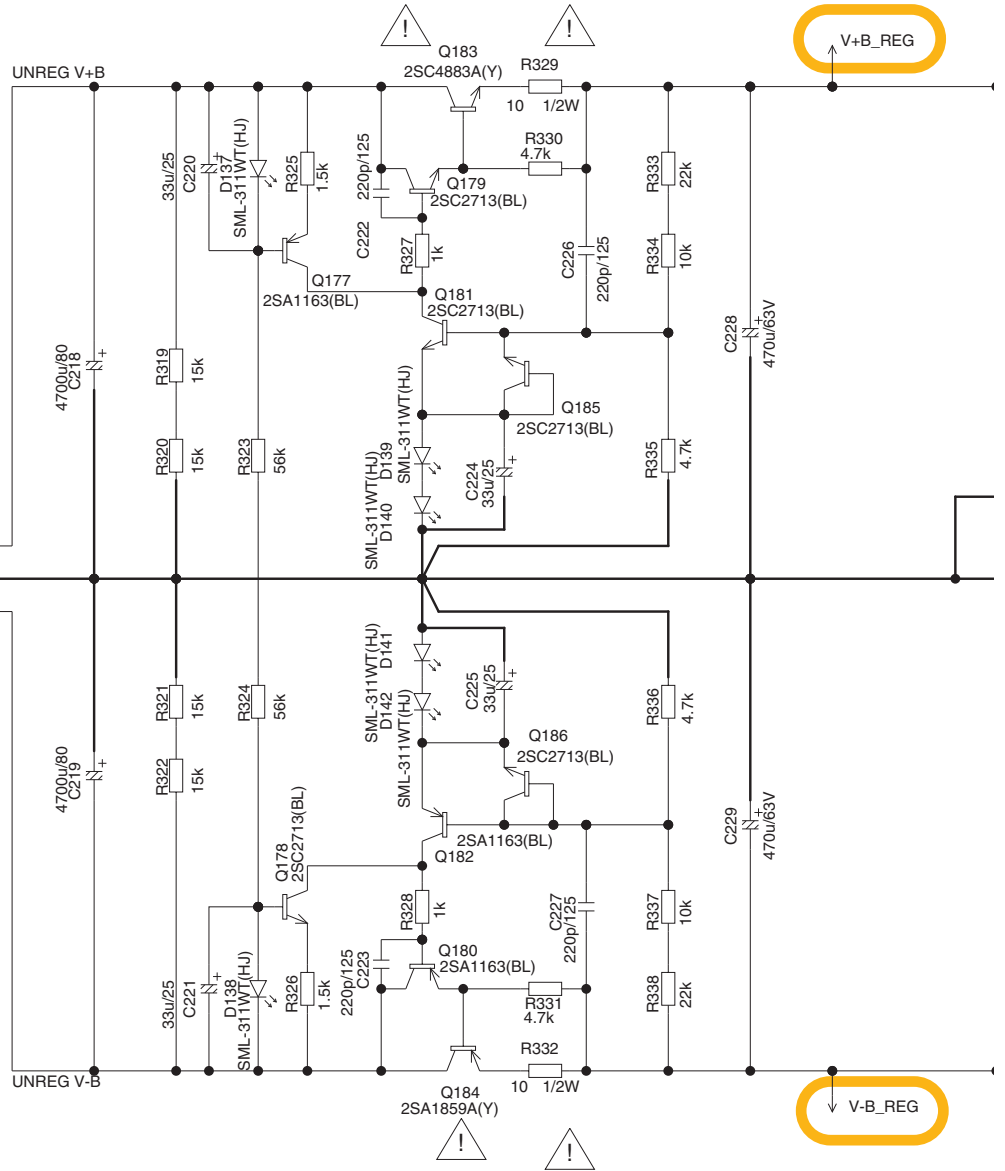
F

K ← **A**2/2
CN4305

K ← **B**2/2
CN4309

CN112
B03P-NV

1 V+B
2 GNDA
3 V-B

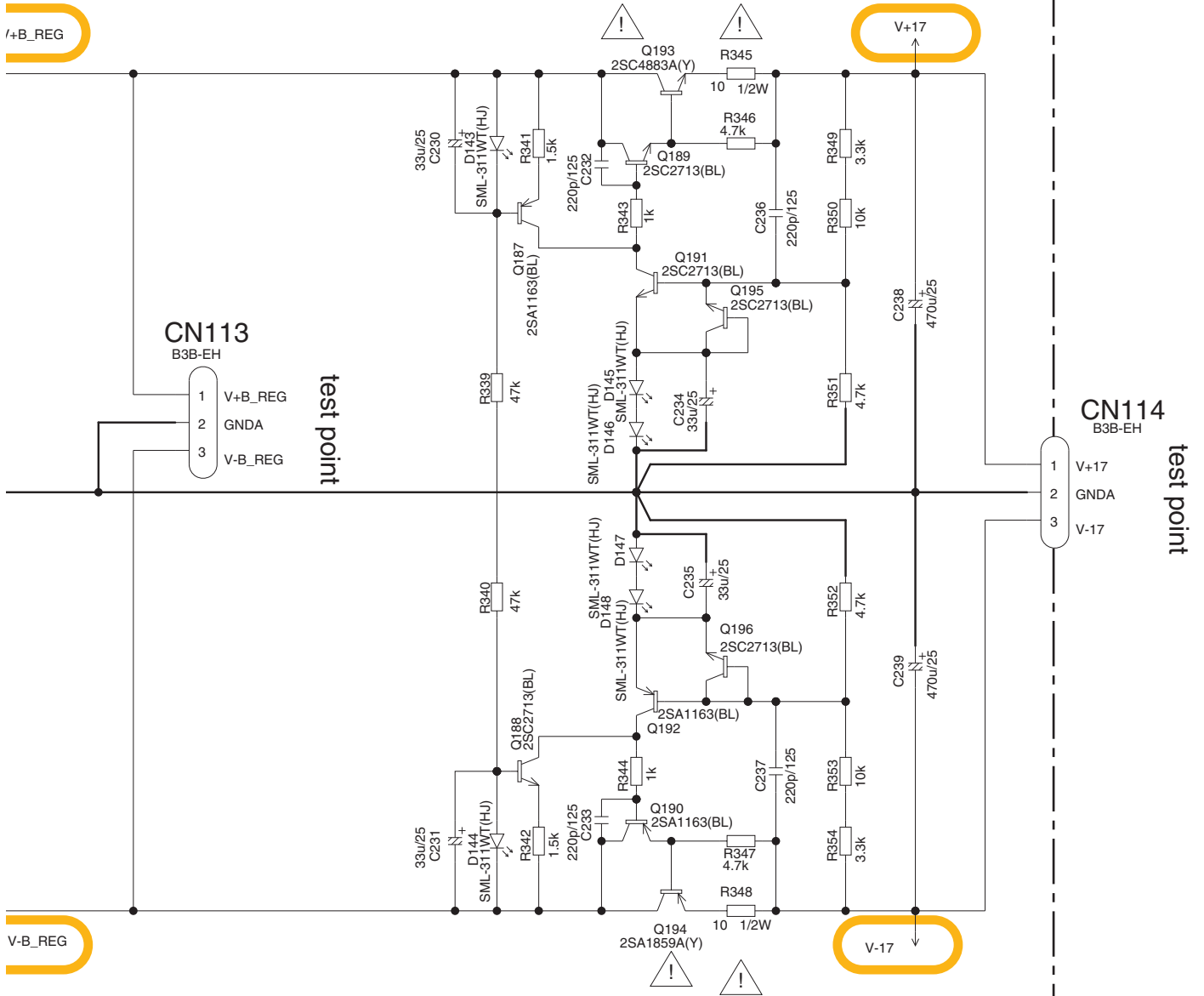



A2/2 **B**2/2

TAD-C600

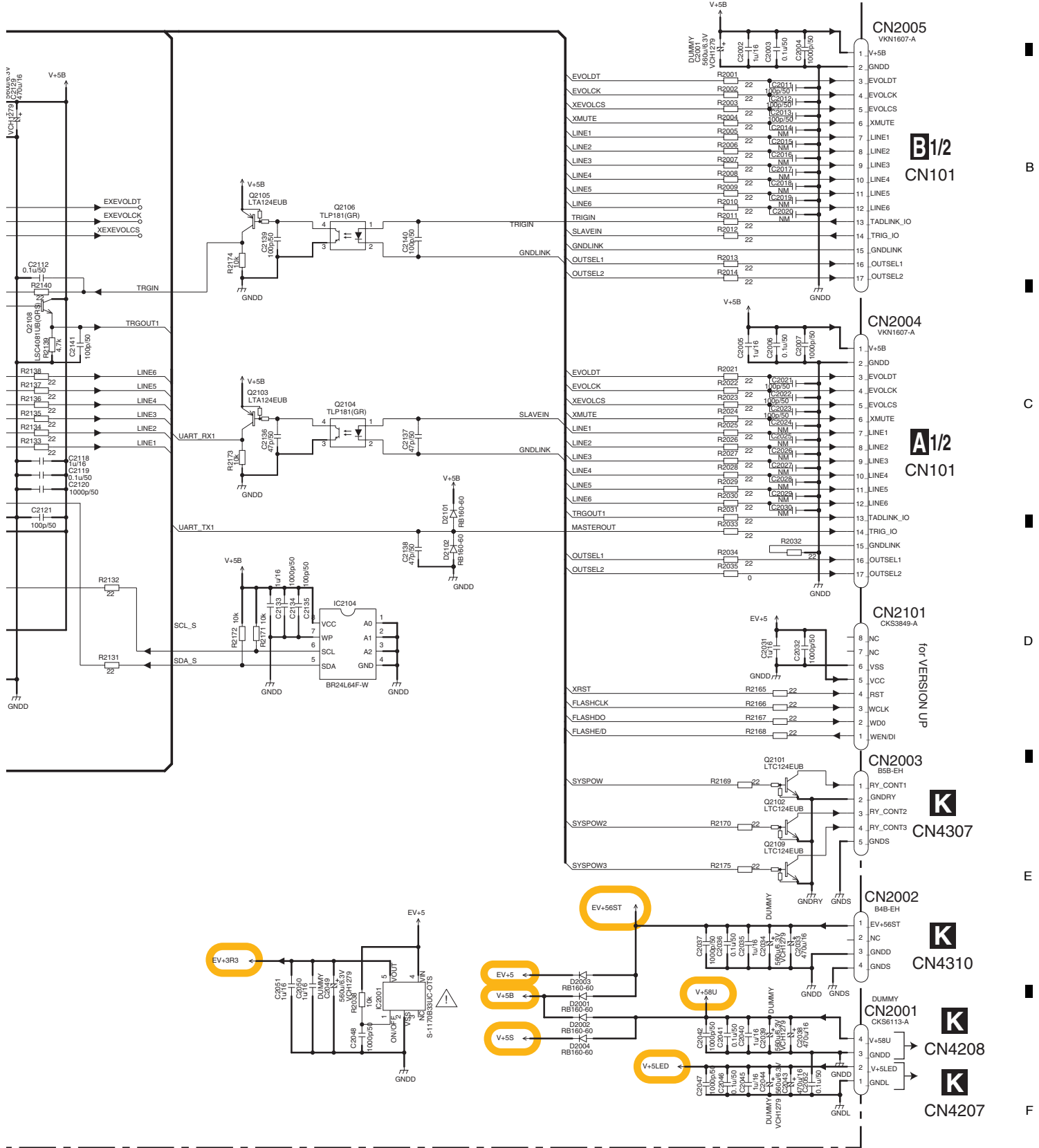
A 2/2 AUDIO L UNIT(2/2)

B 2/2 AUDIO R UNIT(2/2)



The  mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

C1/2 FPKB UNIT(UCOM I/F)



A
B
C
D
E
F

B1/2
CN101

A1/2
CN101

for VERSION UP
CN4307

K
CN4310

K
CN4208

K
CN4207

C1/2

10.4 FPKB UNIT(7SEG LED)

1

2

3

4

A

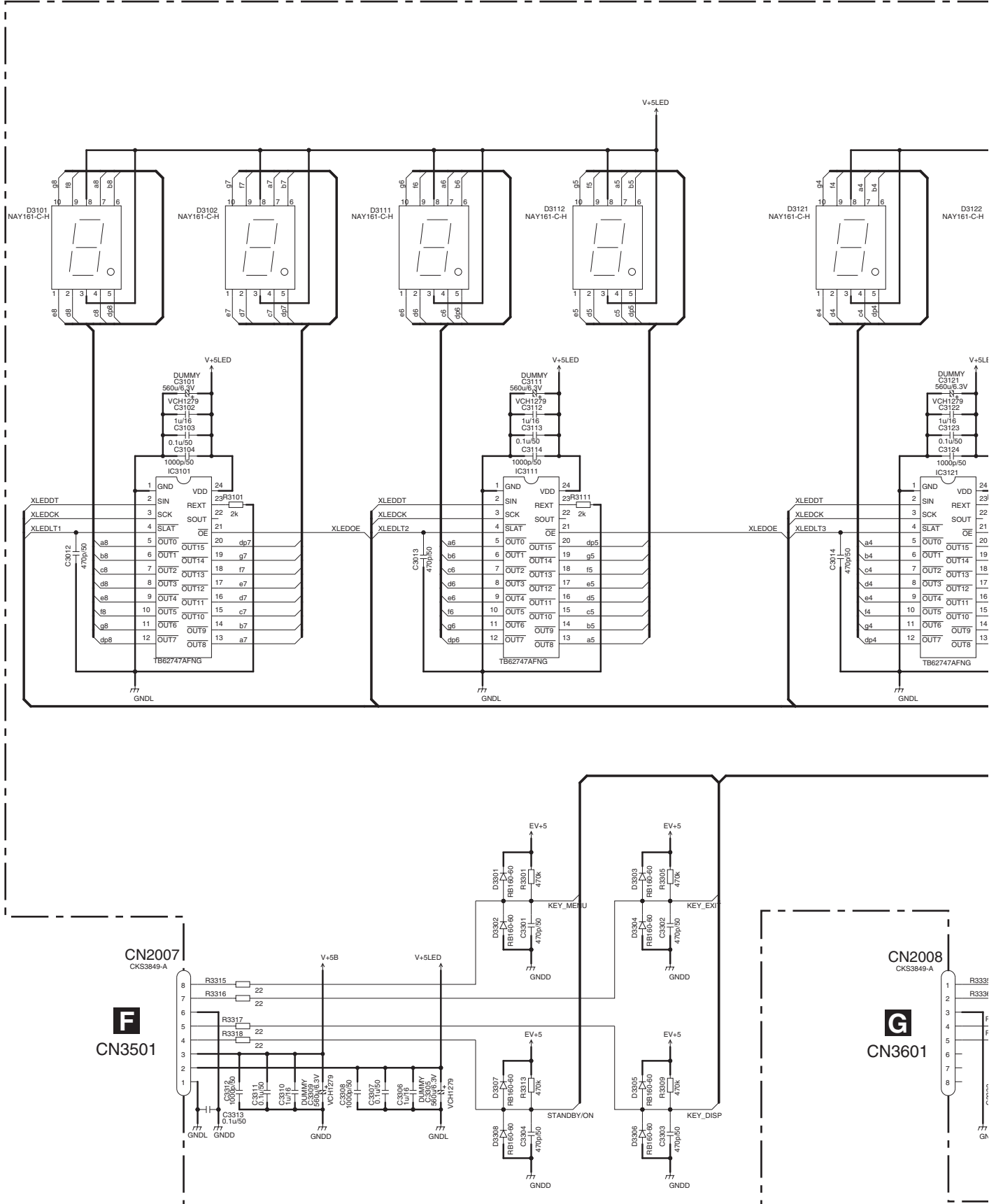
B

C

D

E

F



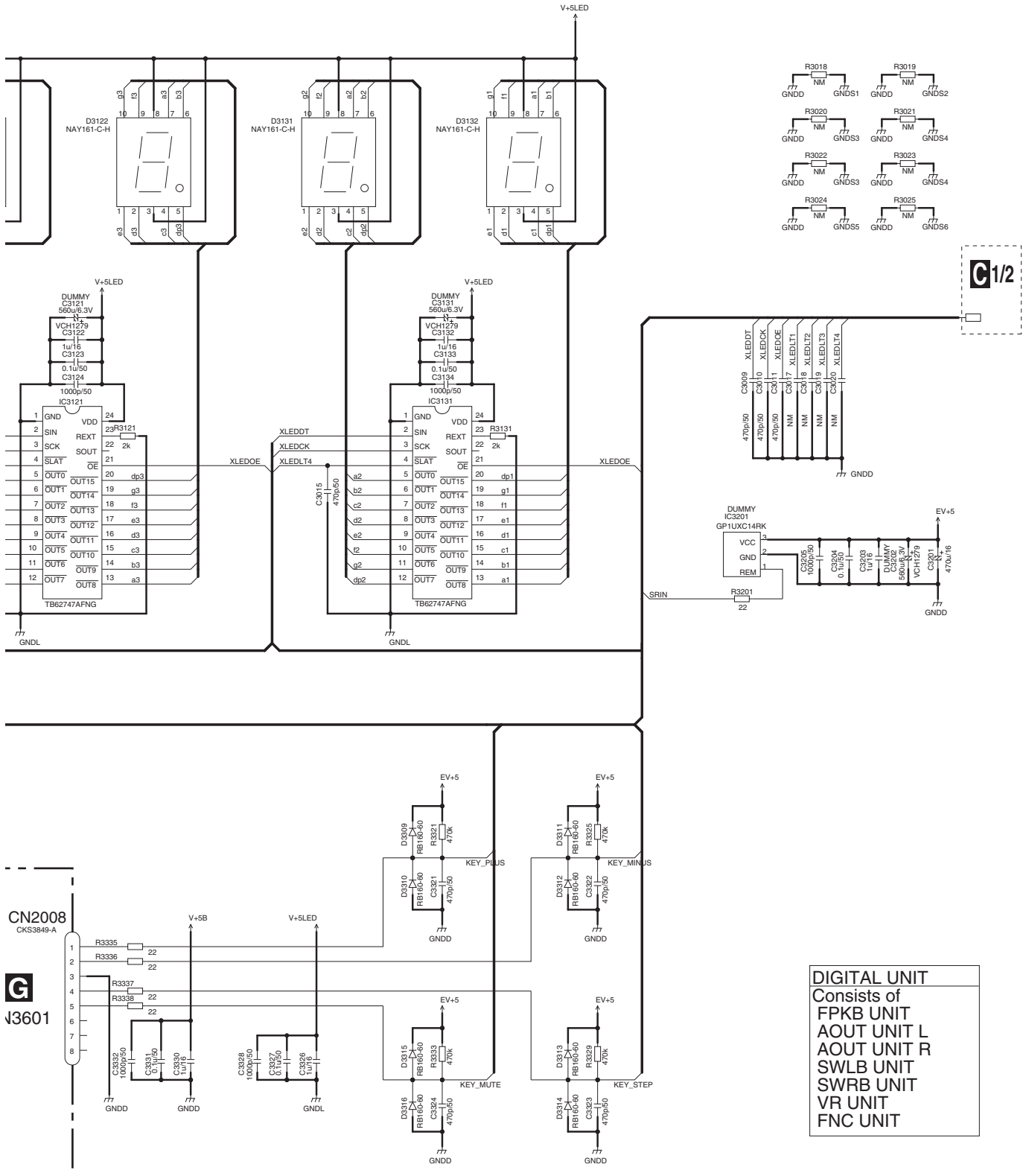
1

2

3

4

C2/2 FPKB UNIT(7segLED)



C1/2

DIGITAL UNIT
 Consists of
 FPKB UNIT
 AOUT UNIT L
 AOUT UNIT R
 SWLB UNIT
 SWRB UNIT
 VR UNIT
 FNC UNIT

CN2008
CKS3849-A

J3601

10.5 AOUT UNIT L

A
B
C
D
E
F

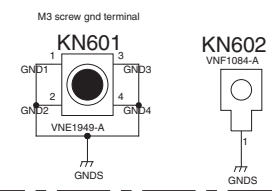
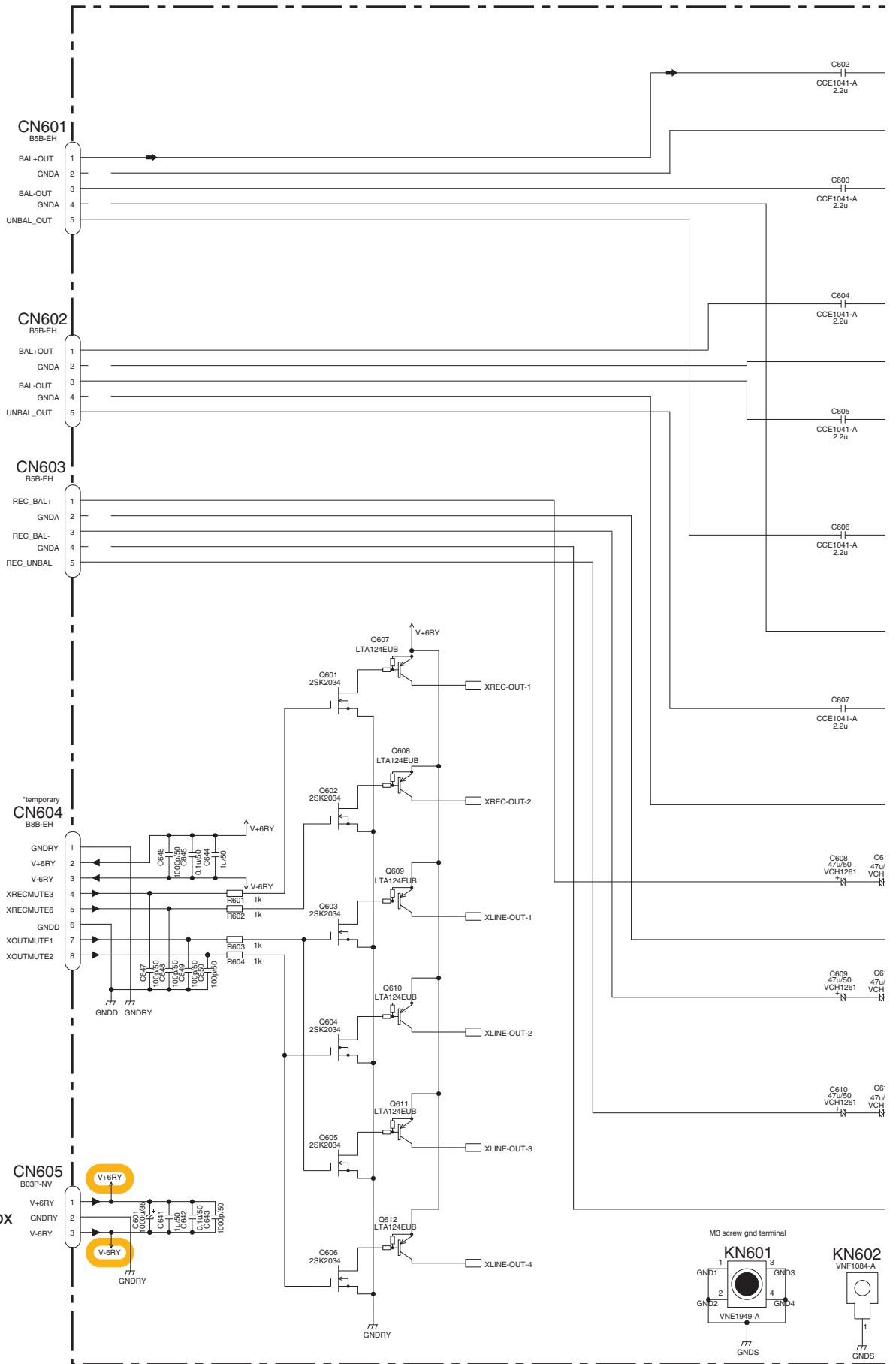
A
A1/2
CN107

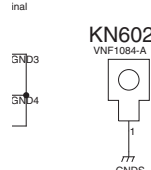
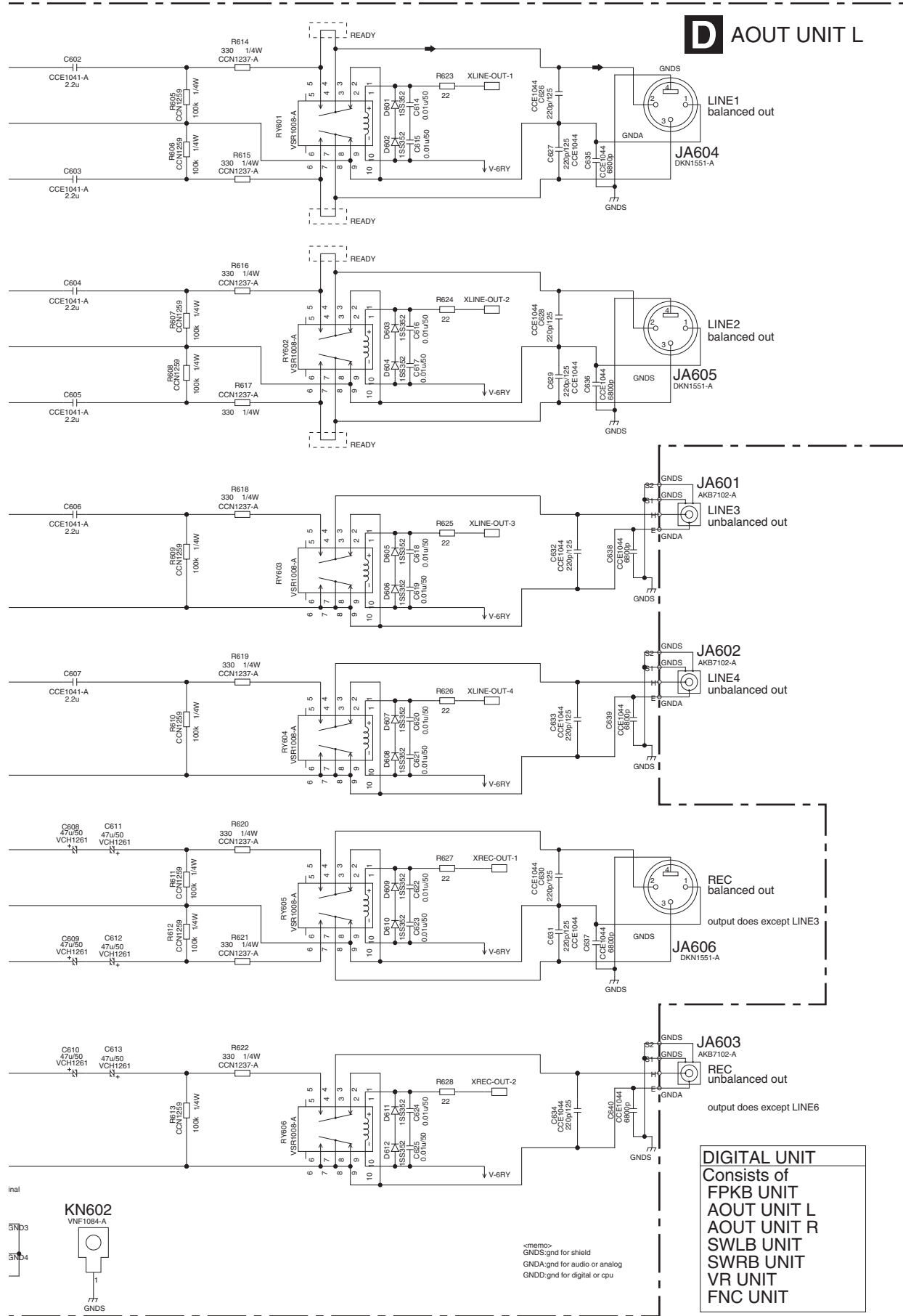
A
A1/2
CN110

A
A1/2
CN105

A
A1/2
CN102

from power supply box





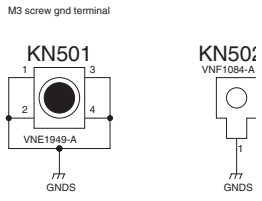
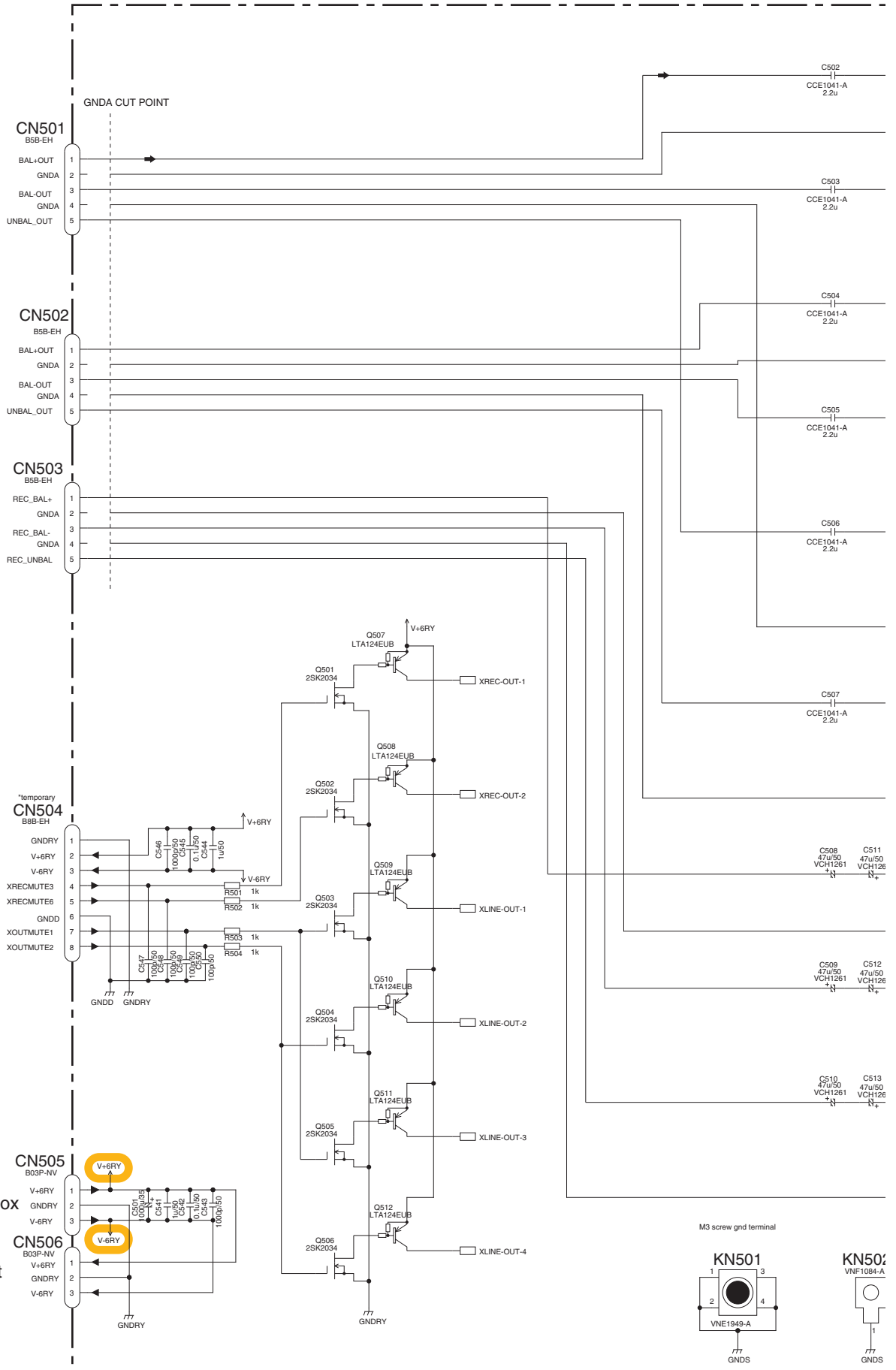
<memo>
 GNDS: gnd for shield
 GNDA: gnd for audio or analog
 GNDD: gnd for digital or cpu

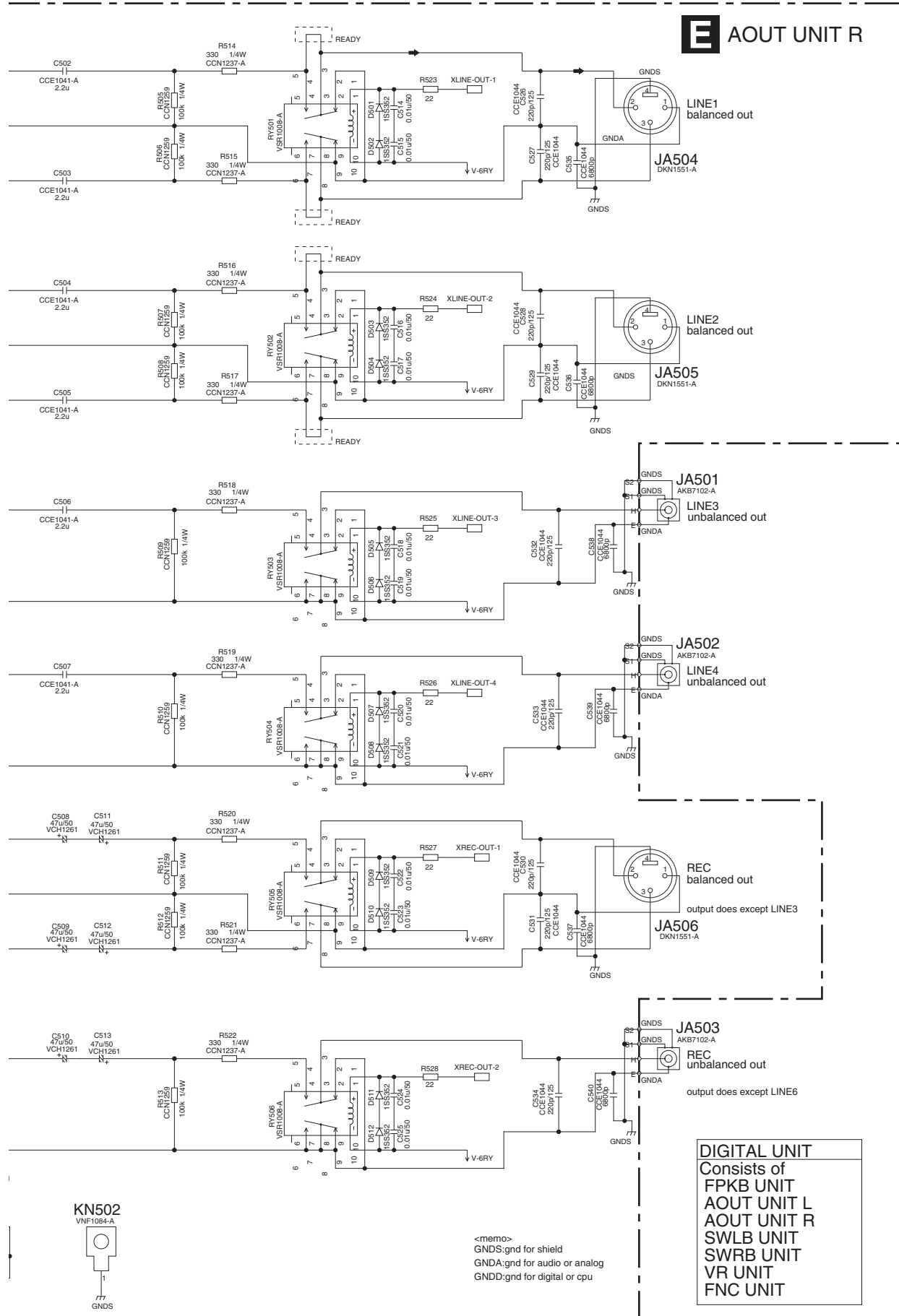
DIGITAL UNIT
 Consists of
 FPKB UNIT
 AOUT UNIT L
 AOUT UNIT R
 SWLB UNIT
 SWRB UNIT
 VR UNIT
 FNC UNIT



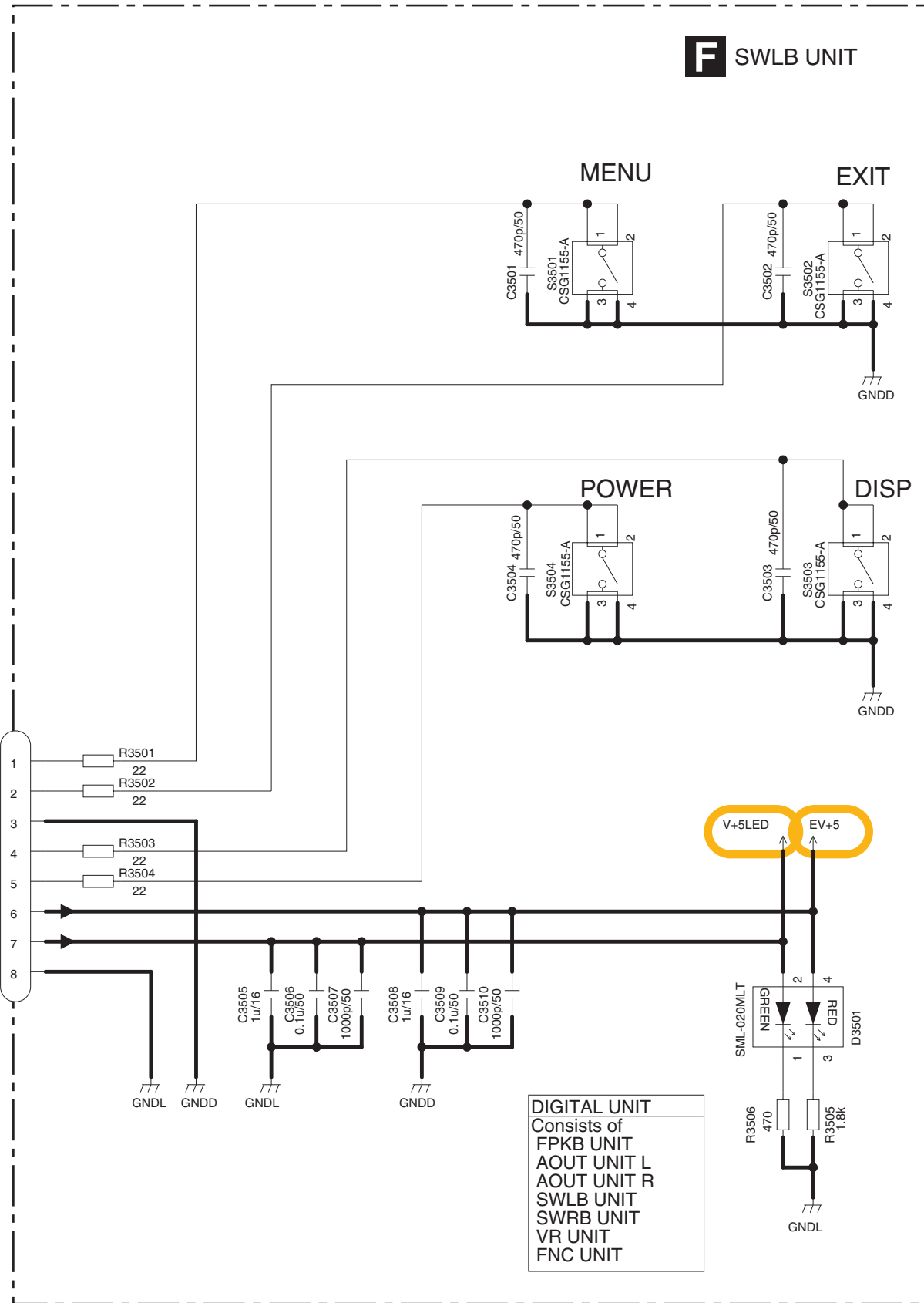
10.6 AOUT UNIT R

A
B
C
D
E
F

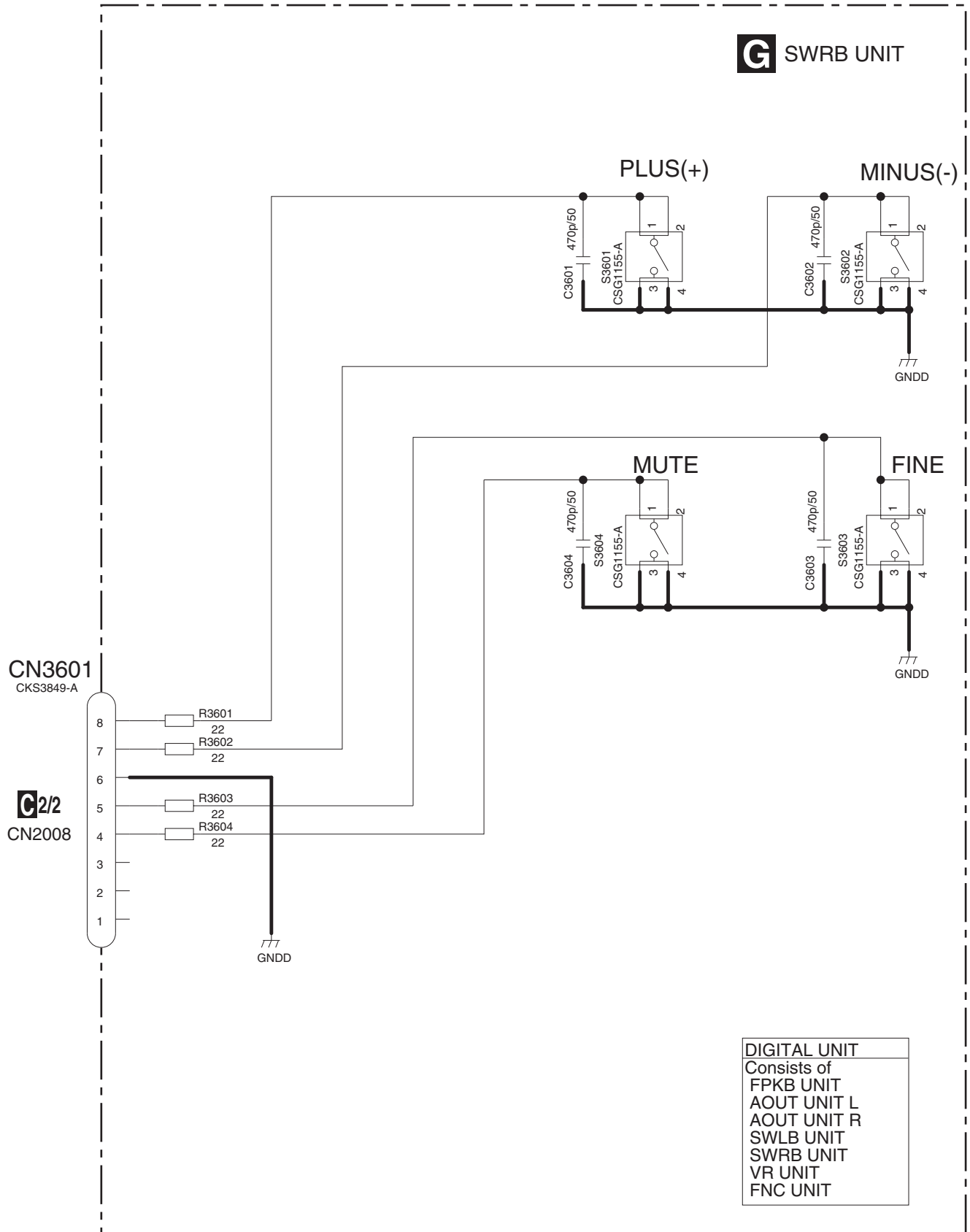




10.7 SWLB UNIT



10.8 SWRB UNIT



10.9 VR UNIT, FNC UNIT

A

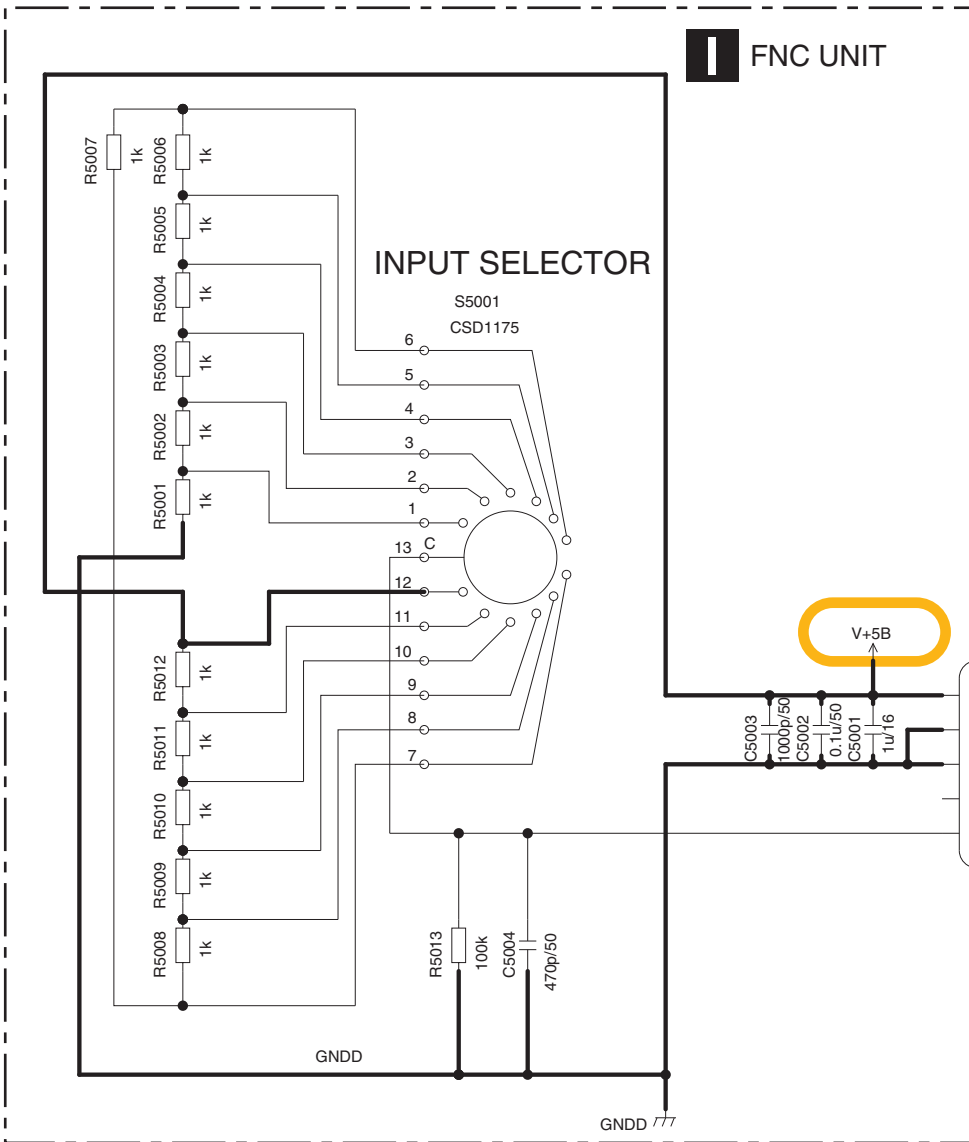
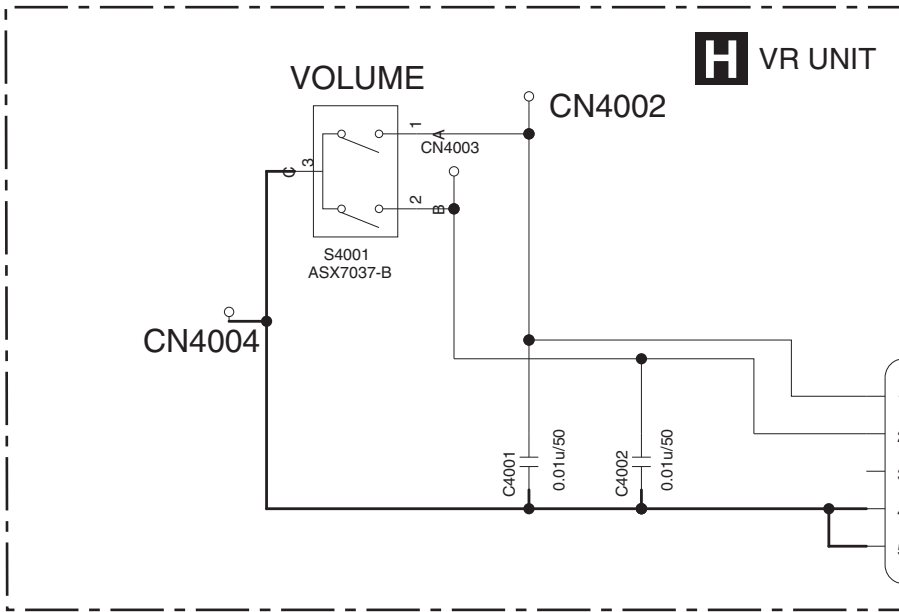
B

C

D

E

F



DIGITAL UNIT
 Consists of
 FPKB UNIT
 AOUT UNIT L
 AOUT UNIT R
 SWLB UNIT
 SWRB UNIT
 VR UNIT
 FNC UNIT



■

5

■

6

■

7

■

8

■

A

■

B

■

C

■

D

■

E

■

F

■

5

■

6

TAD-C600

■

7

■

8

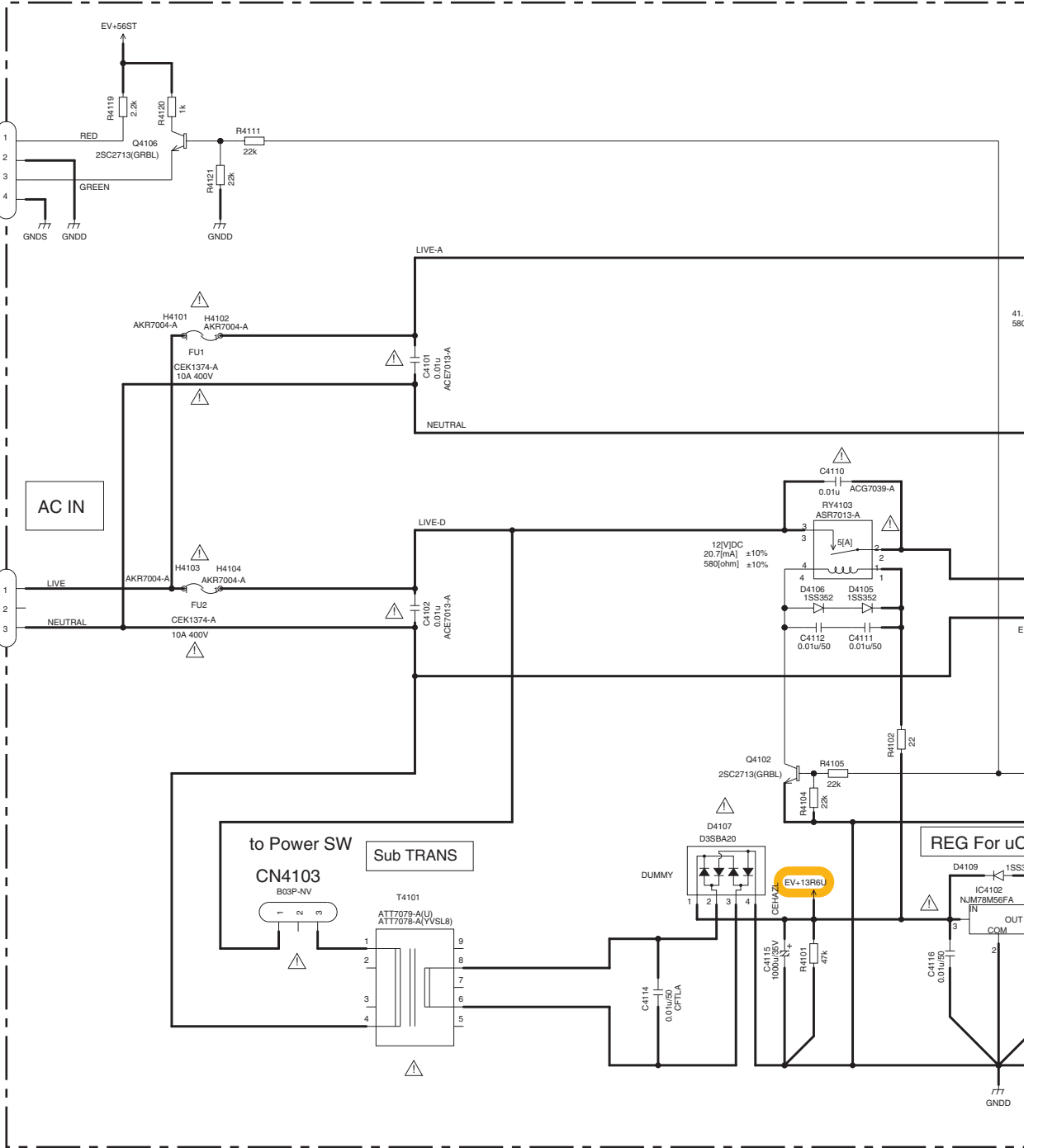
■

10.10 PRI UNIT, PLED UNIT

A

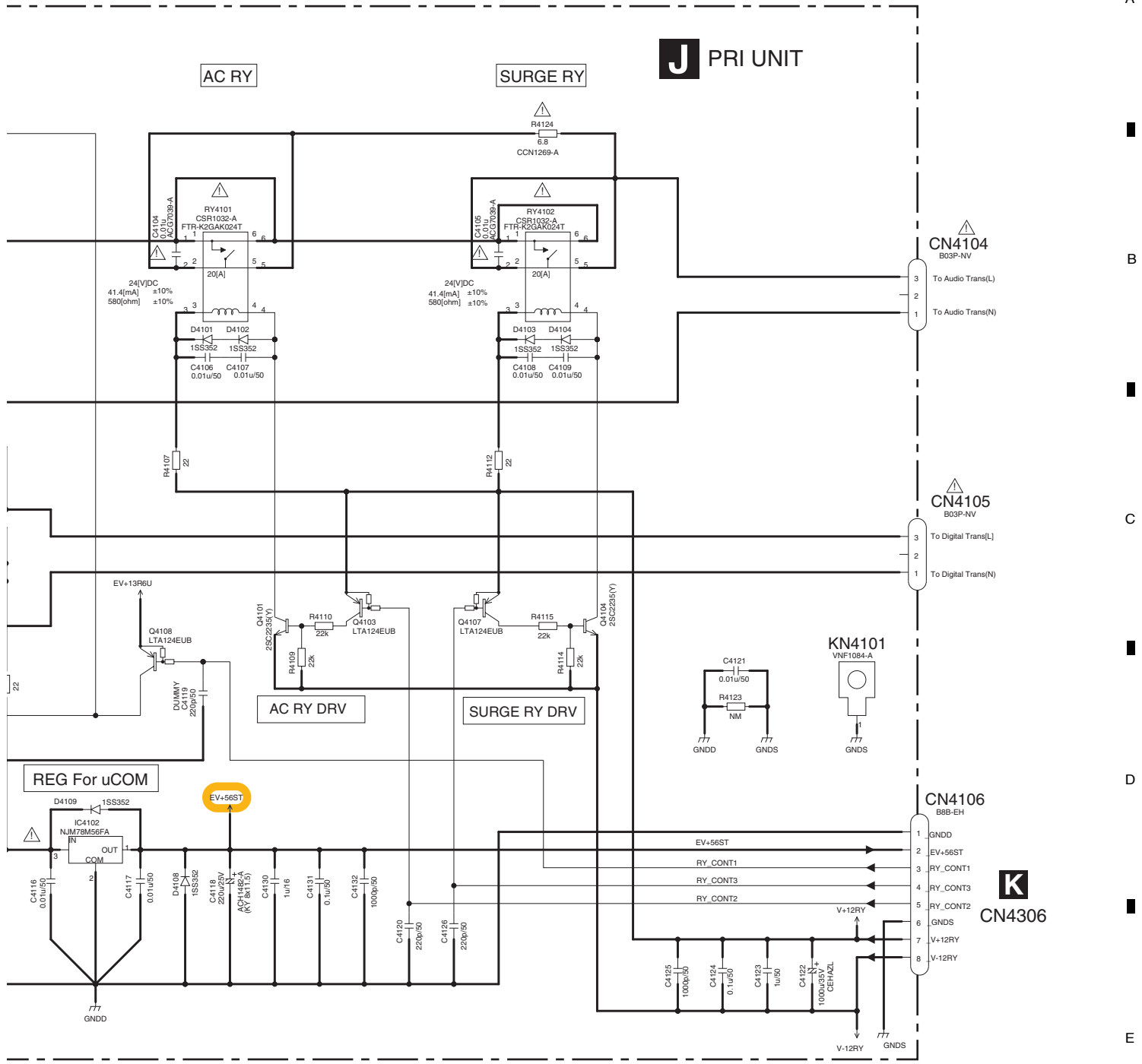
CN4308
B4B-PH-K-S
LED_RED_ 1
GNDD_ 2
LED_GRN_ 3
GNDD_ 4

CN4401



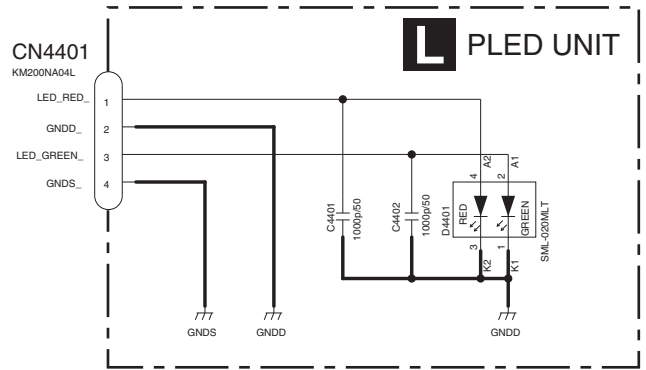
F

J

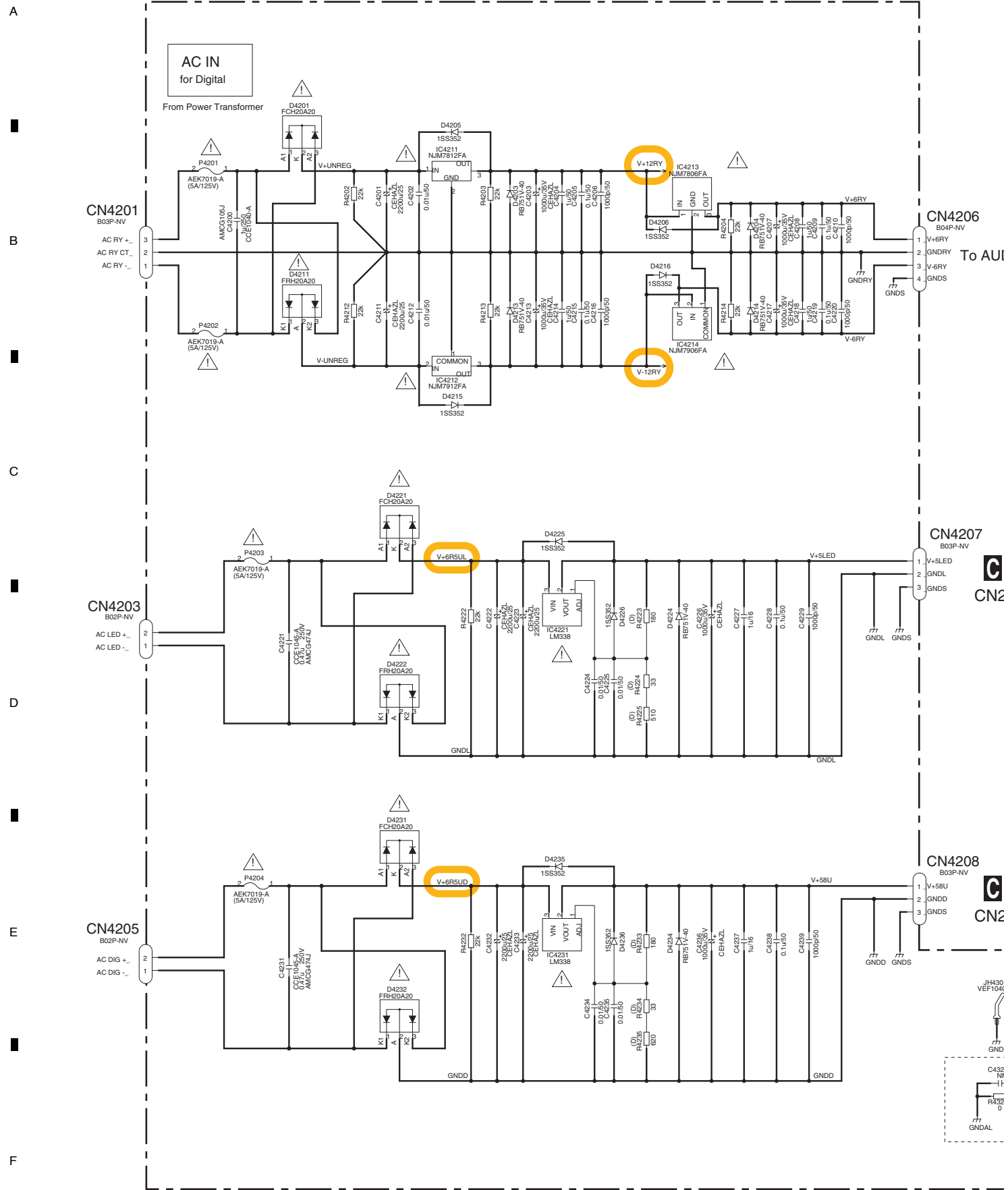


POWER UNIT
 Consists of
 PRI UNIT
 SEC UNIT
 PLED UNIT

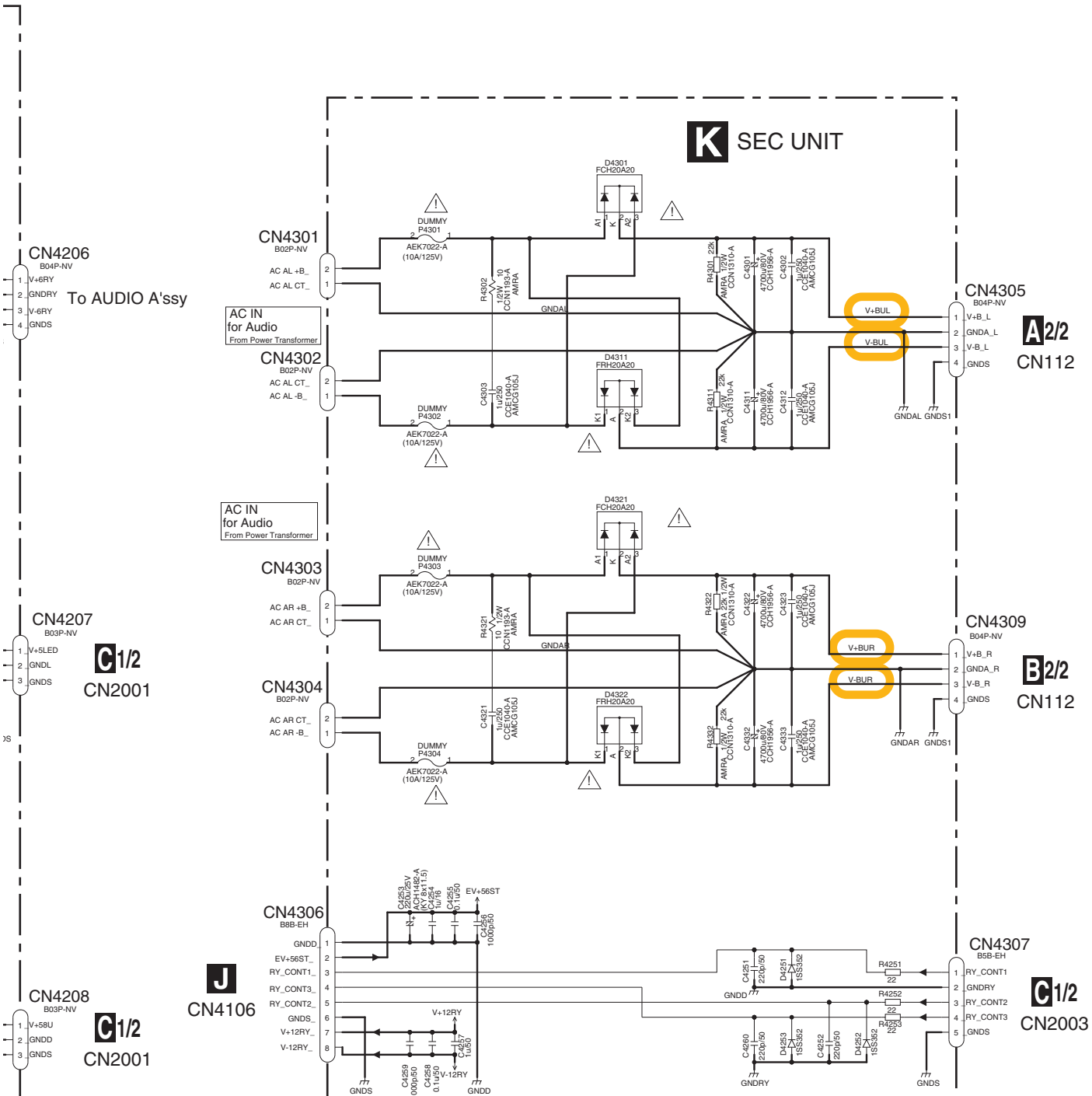
J
CN4308



10.11 SEC UNIT



K

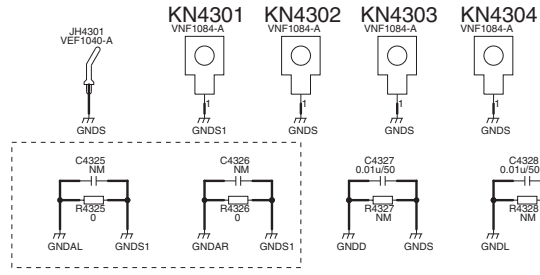


CN4206 B04P-NV
1. V+6RY
2. GNDRY
3. V-6RY
4. GND5
To AUDIO A'ssy

CN4207 B03P-NV
1. V+5LED
2. GNDL
3. GND5
C1/2
CN2001

CN4208 B03P-NV
1. V+5BU
2. GND0
3. GND5
C1/2
CN2001

J
CN4106



K

11. PCB CONNECTION DIAGRAM

11.1 AUDIO L UNIT, AUDIO R UNIT

A NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.
For further information for respective destinations, be sure to check with the schematic diagram.

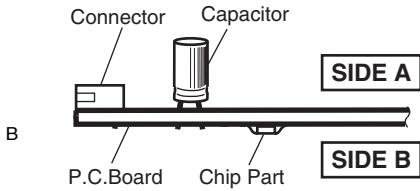
2. Viewpoint of PCB diagrams

A AUDIO L UNIT

B AUDIO R UNIT

(**A**) **D** CN602

(**B**) **E** CN502



B

C

D

E

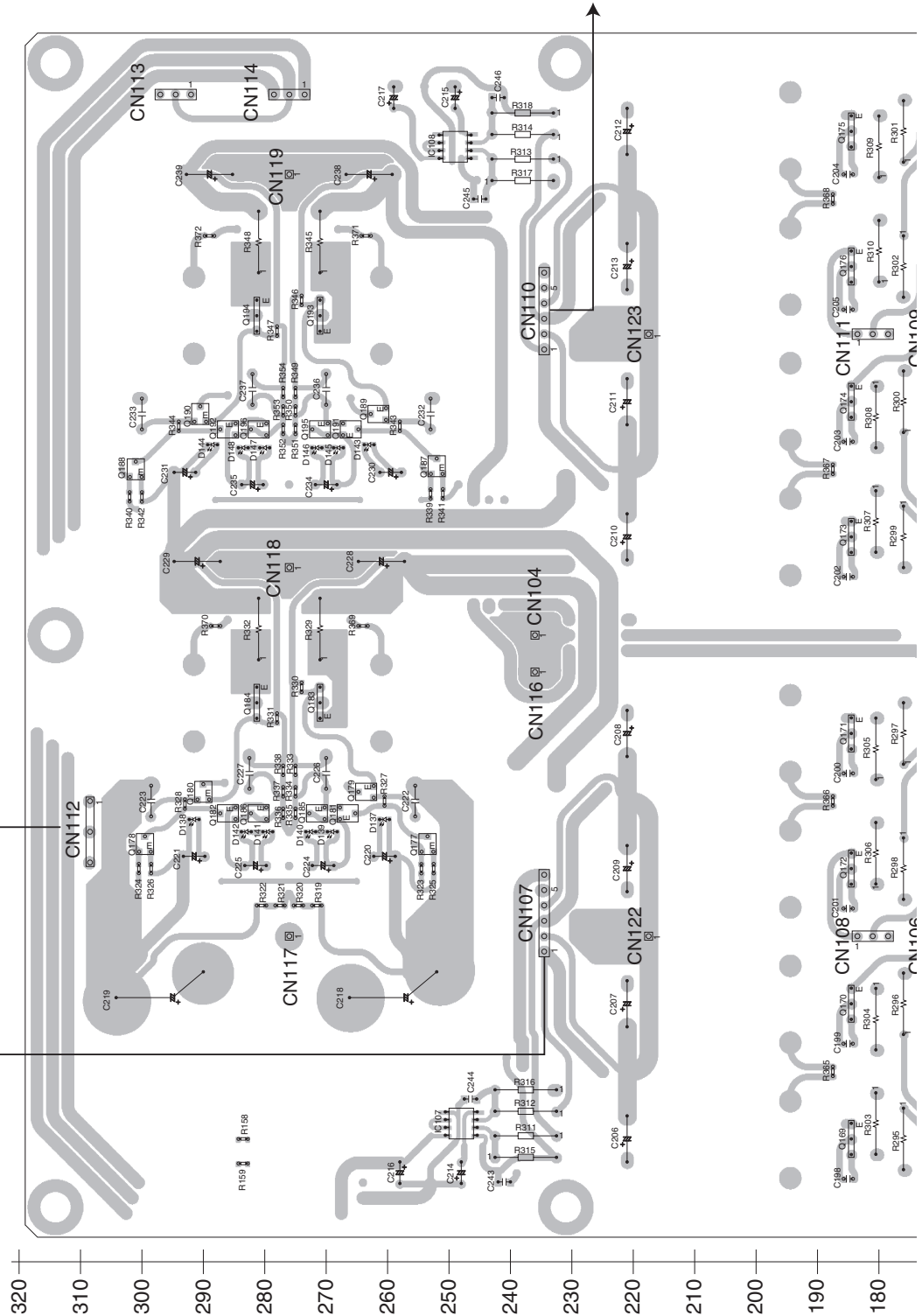
F

(**A**) **K** CN4305

(**B**) **K** CN4309

(**A**) **D** CN601

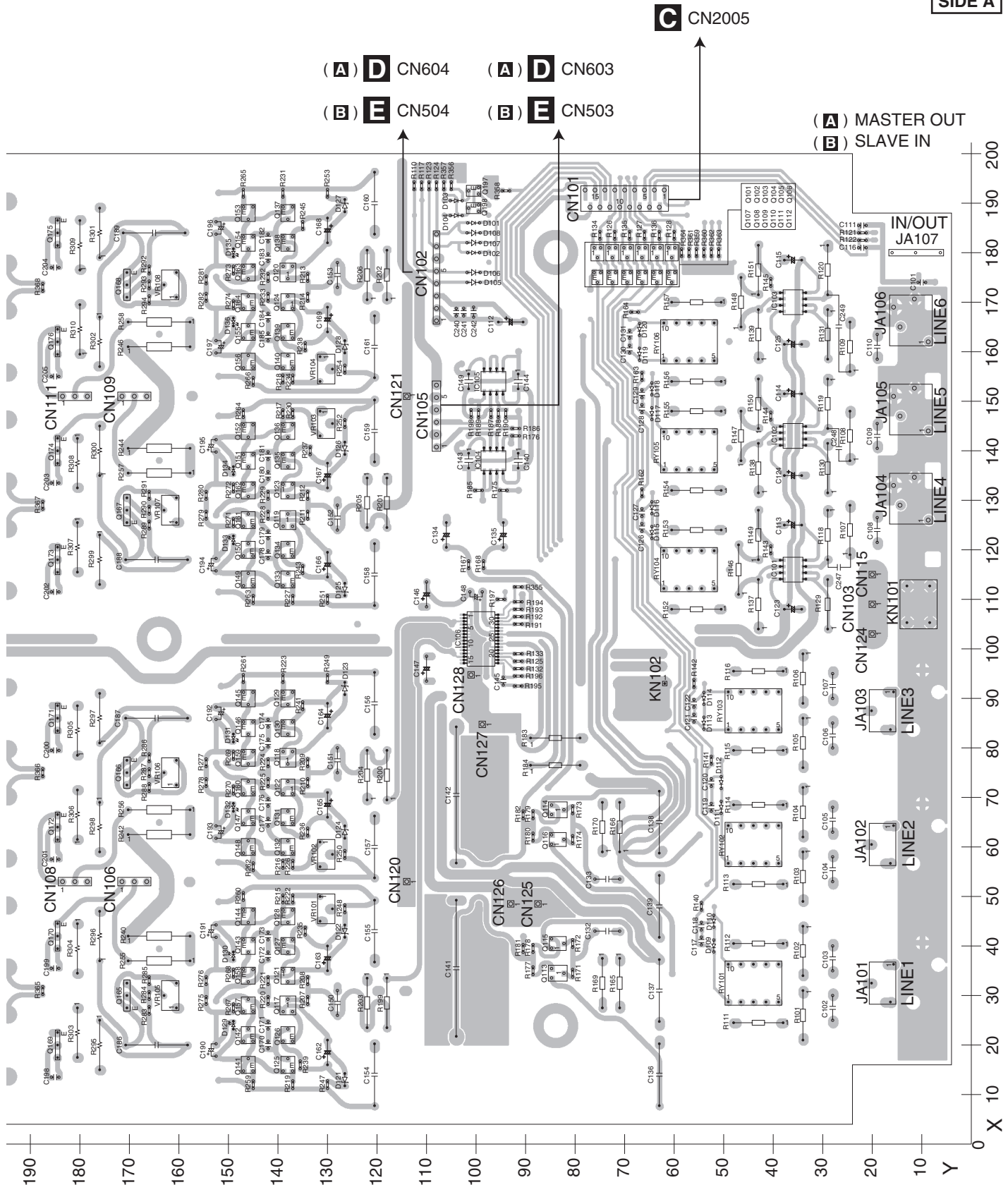
(**B**) **E** CN501



SIDE A

(A) **D** CN604 (A) **D** CN603
 (B) **E** CN504 (B) **E** CN503

(A) MASTER OUT
 (B) SLAVE IN



TAD-C600

A B

A

A AUDIO L UNIT

B AUDIO R UNIT

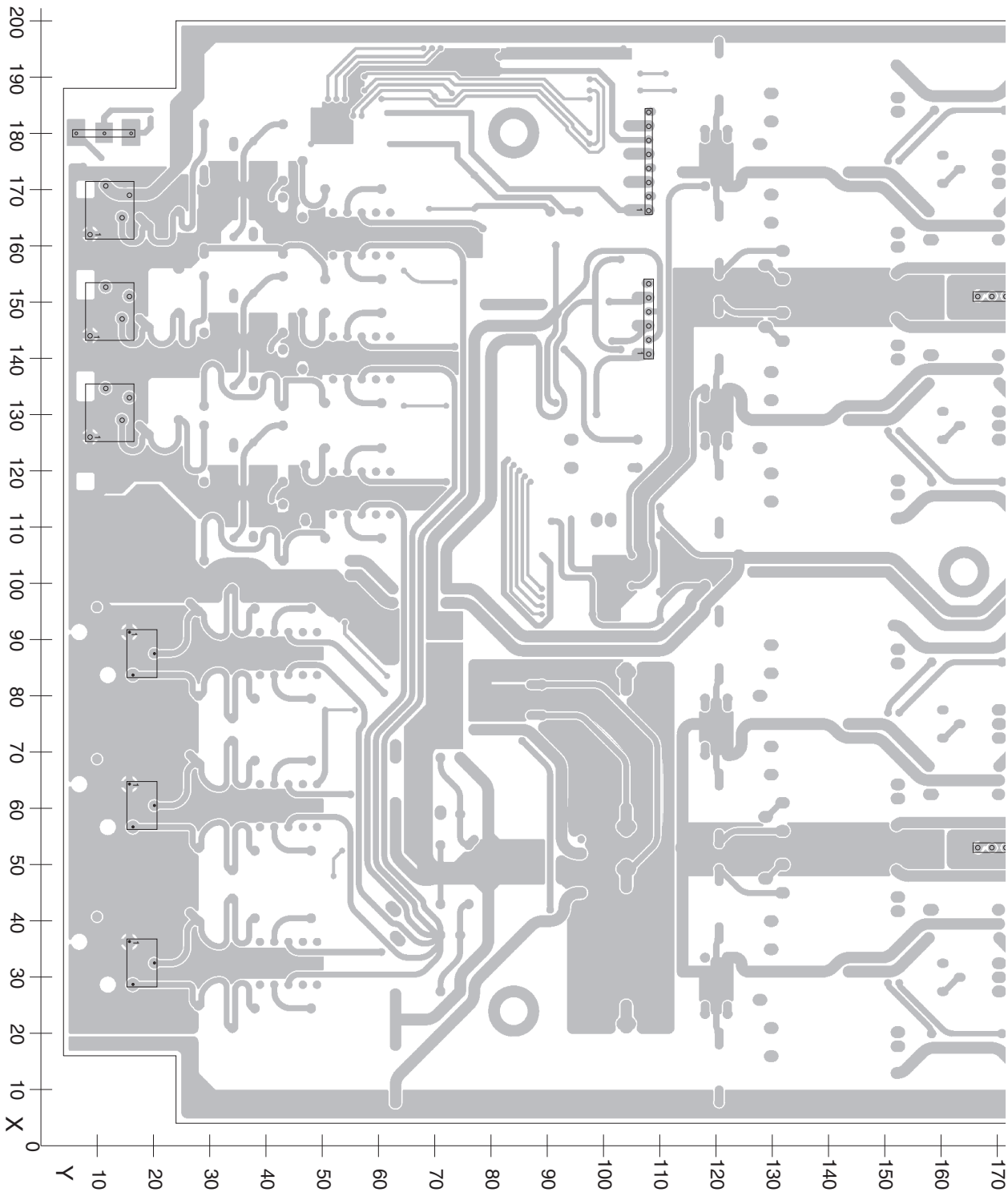
B

C

D

E

F



A B

TAD-C600

SIDE B

A

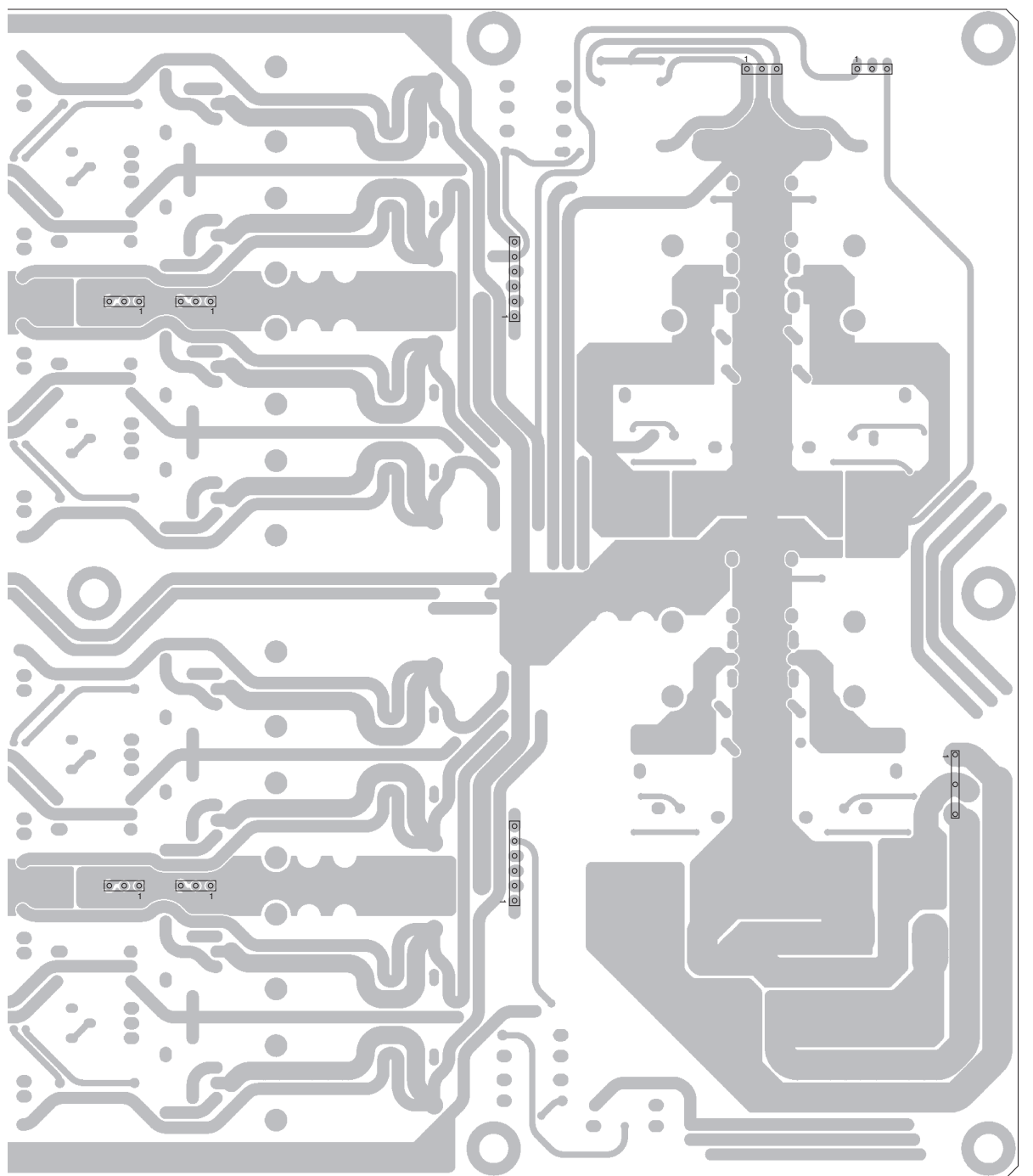
B

C

D

E

F



150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320

11.2 FPKB UNIT

C FPKB UNIT

A

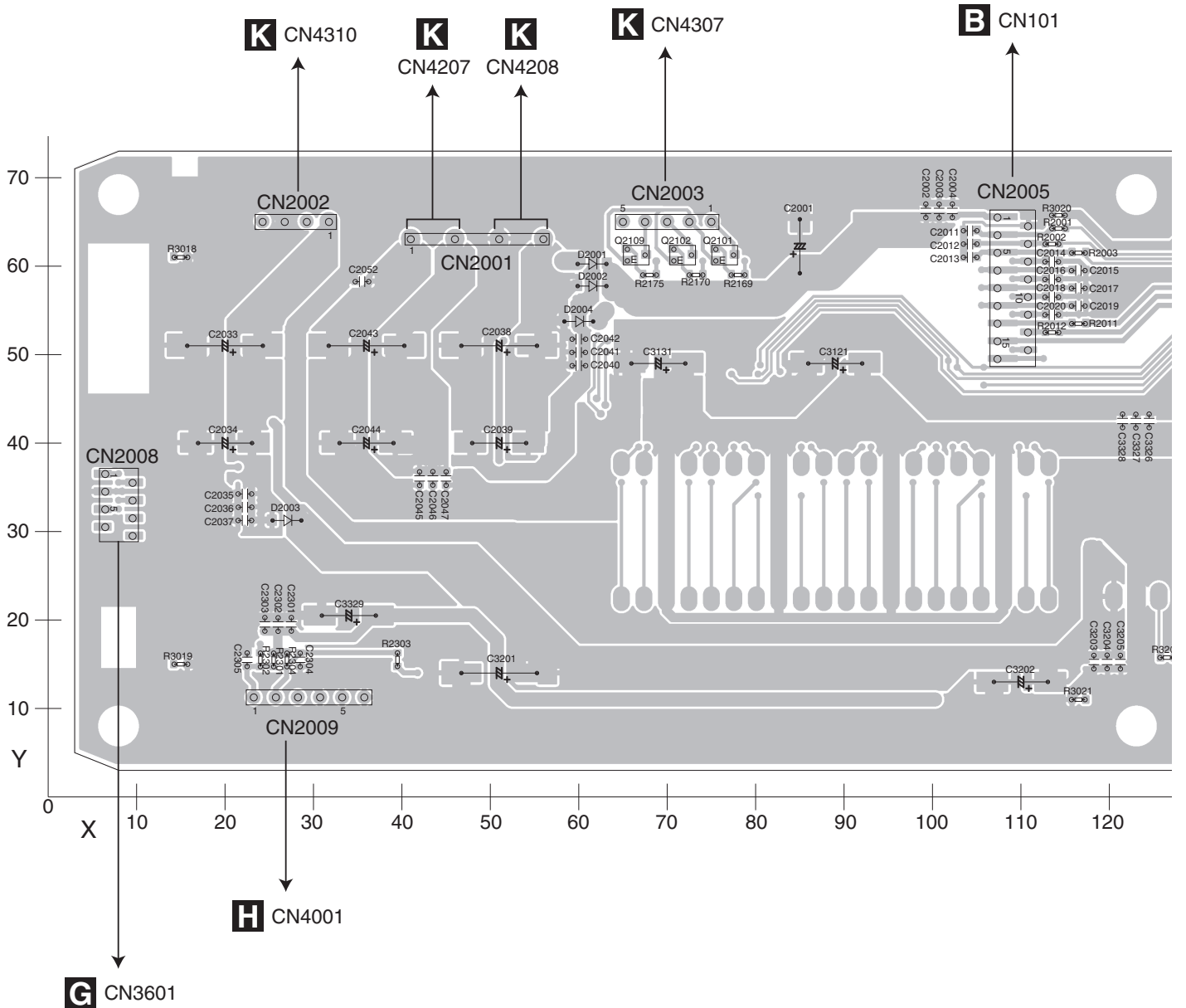
B

C

D

E

F



C

TAD-C600

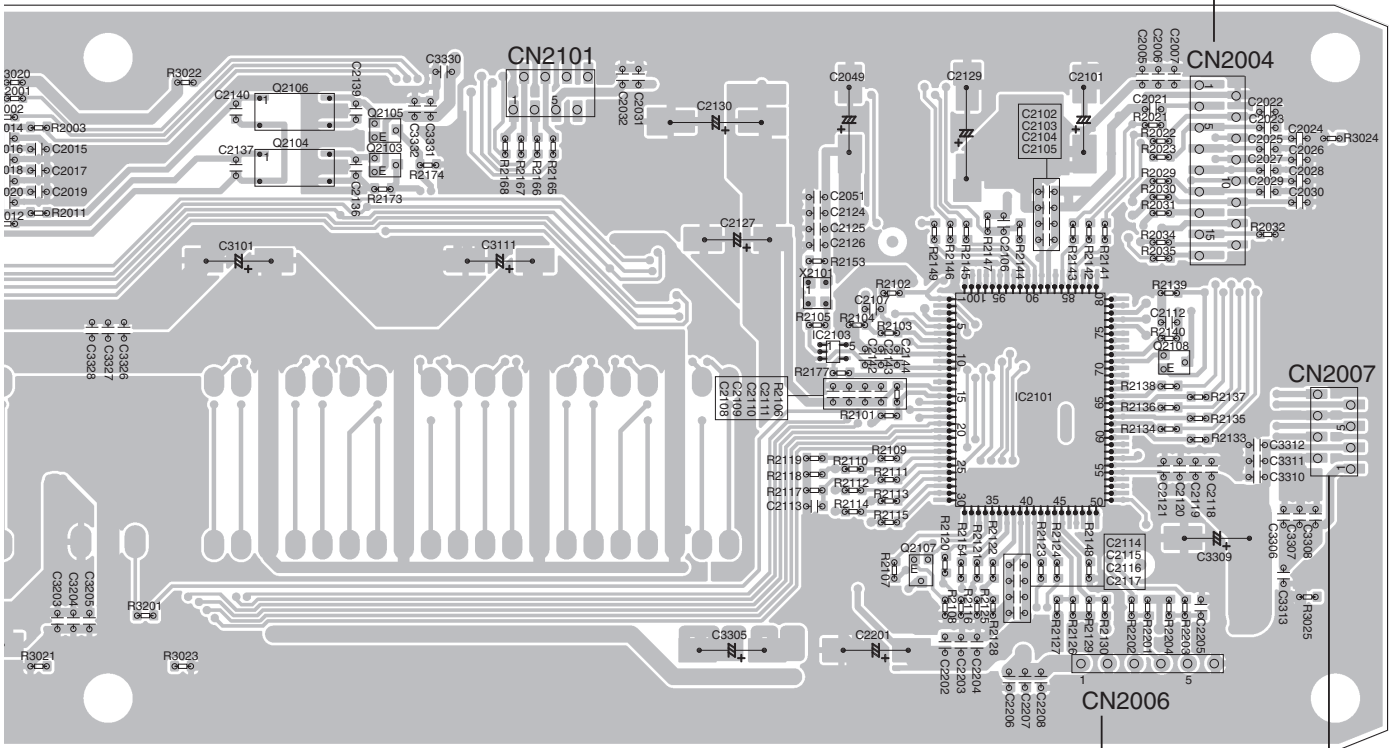
SIDE A

A

1

A CN101

B



C

D

E

F

C

C FPKB UNIT

A

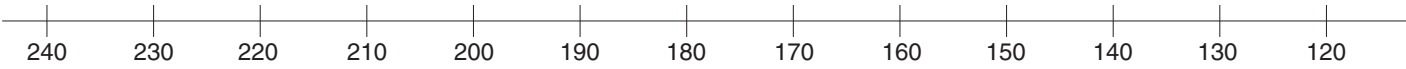
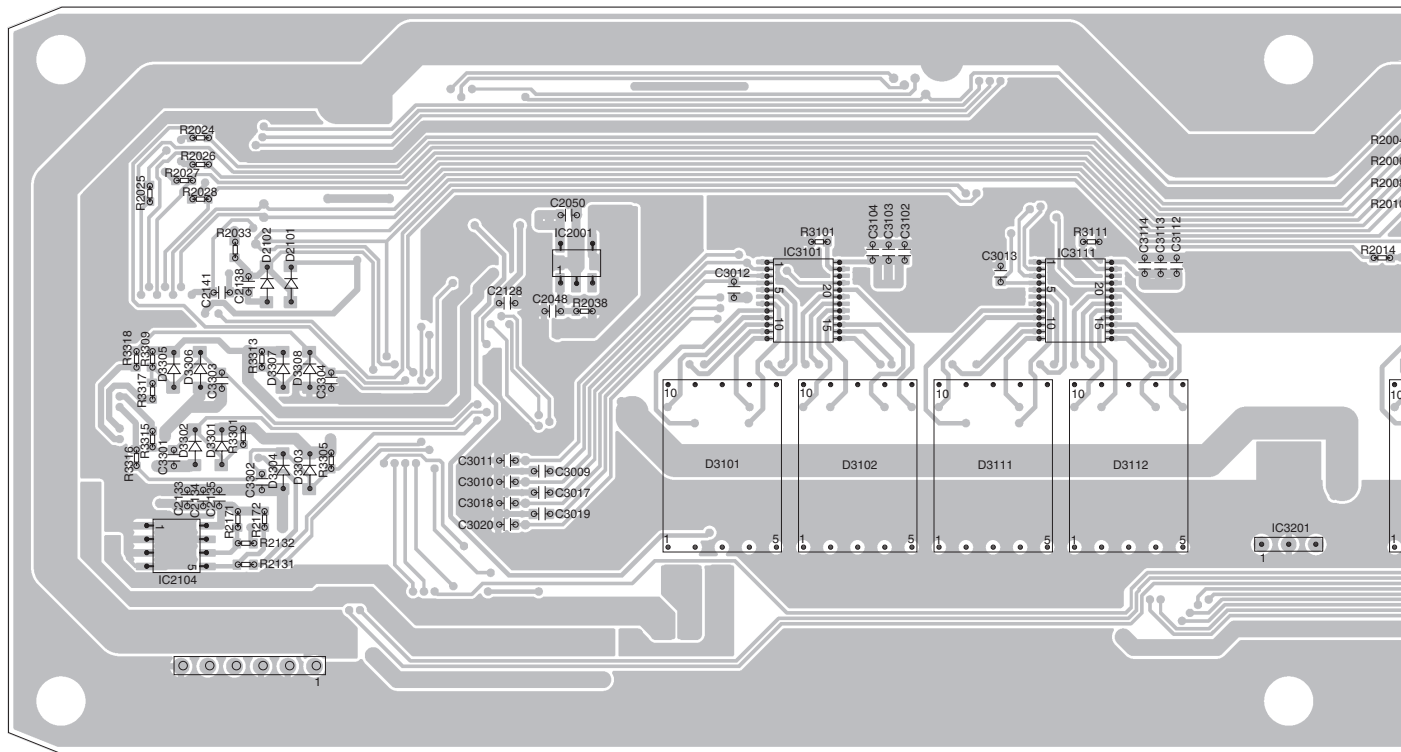
B

C

D

E

F



SIDE B

A

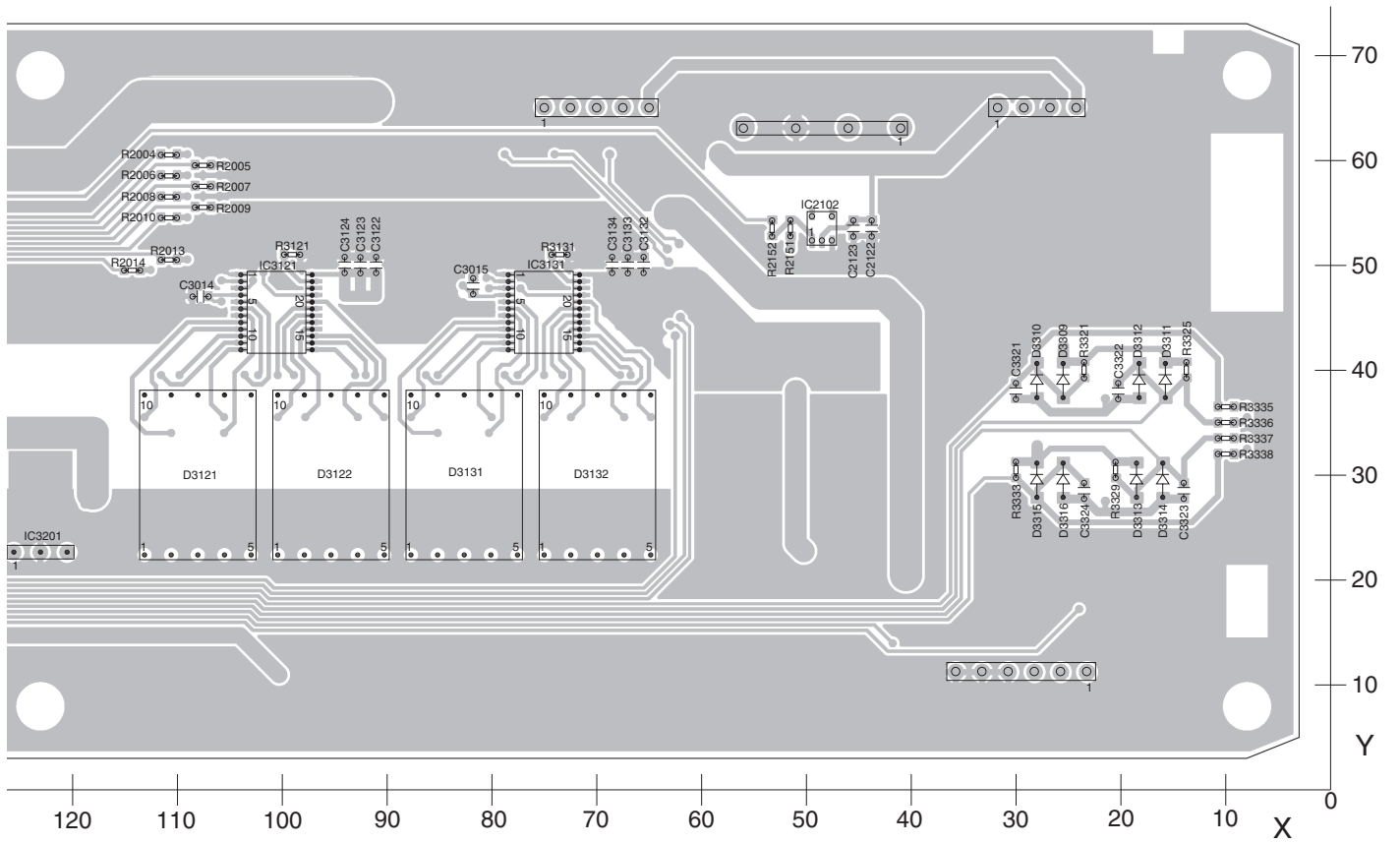
B

C

D

E

F



11.3 AOUT UNIT L

D AOUT UNIT L

SIDE A

A

B

C

D

E

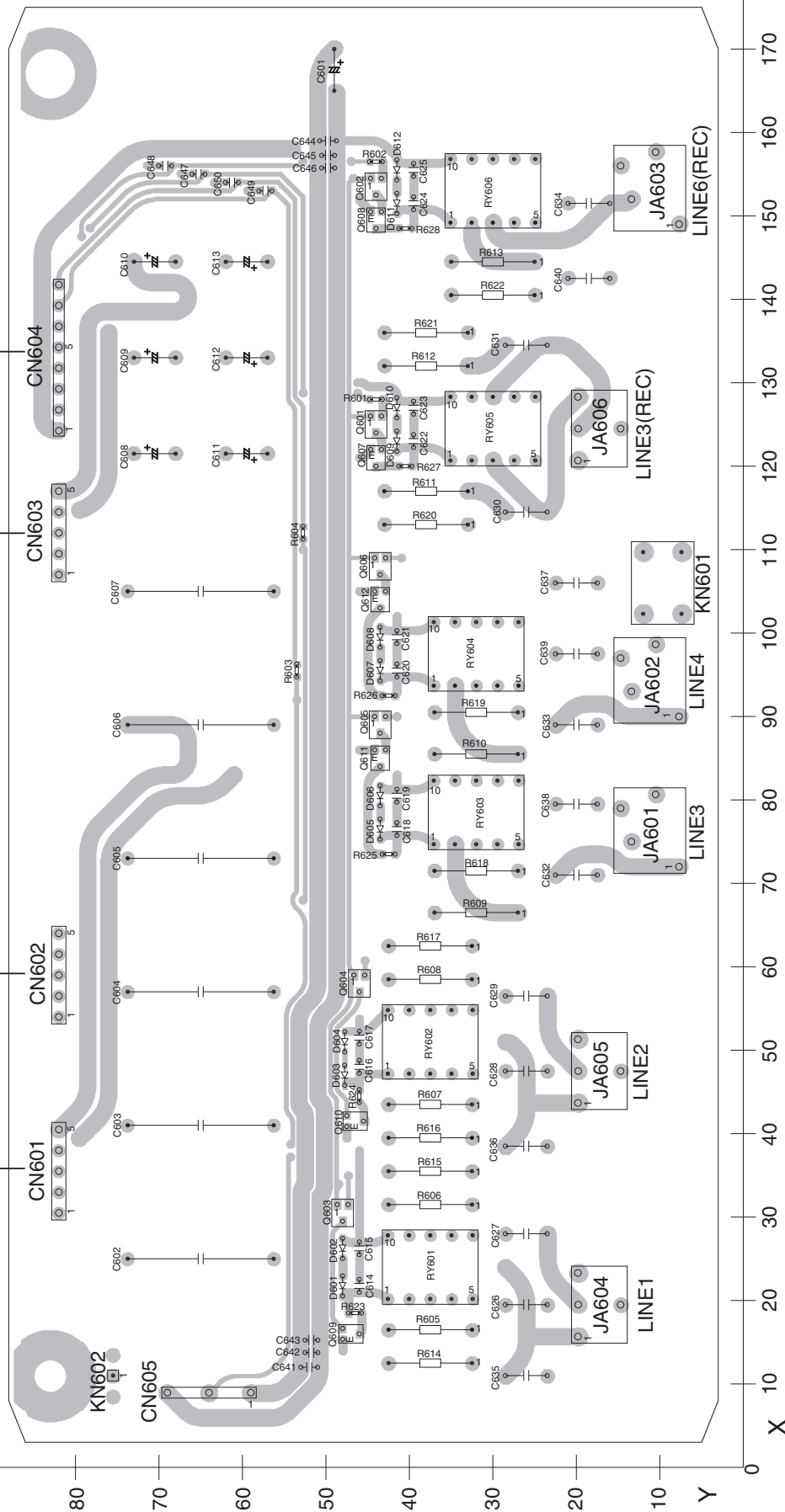
F

A CN102

A CN105

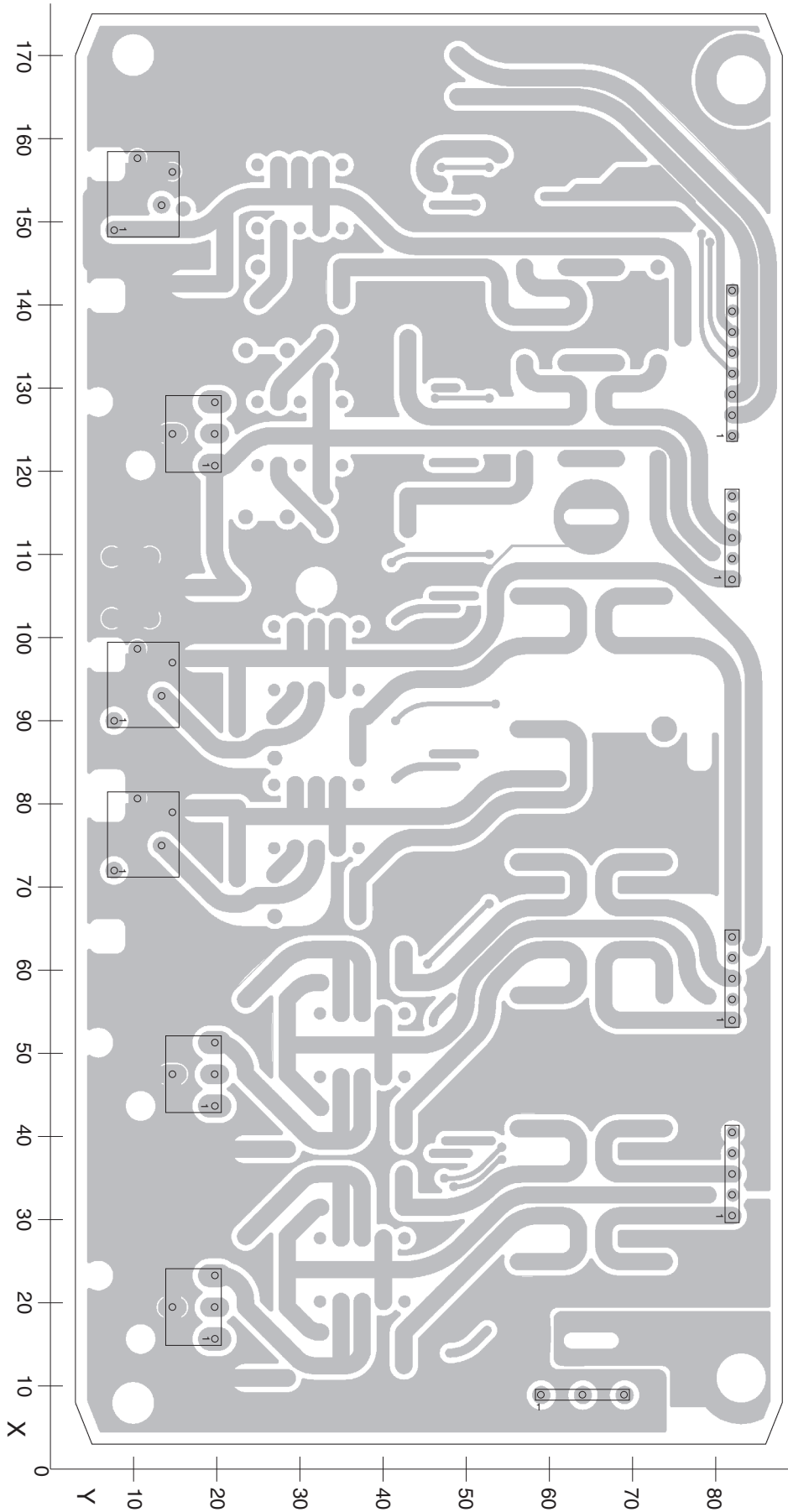
A CN110

A CN107



D AOUT UNIT L

SIDE B



A

B

C

D

E

F

D

11.4 AOUT UNIT R

E AOUT UNIT R

SIDE A

A

B

C

D

E

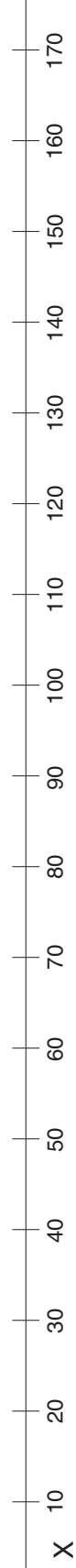
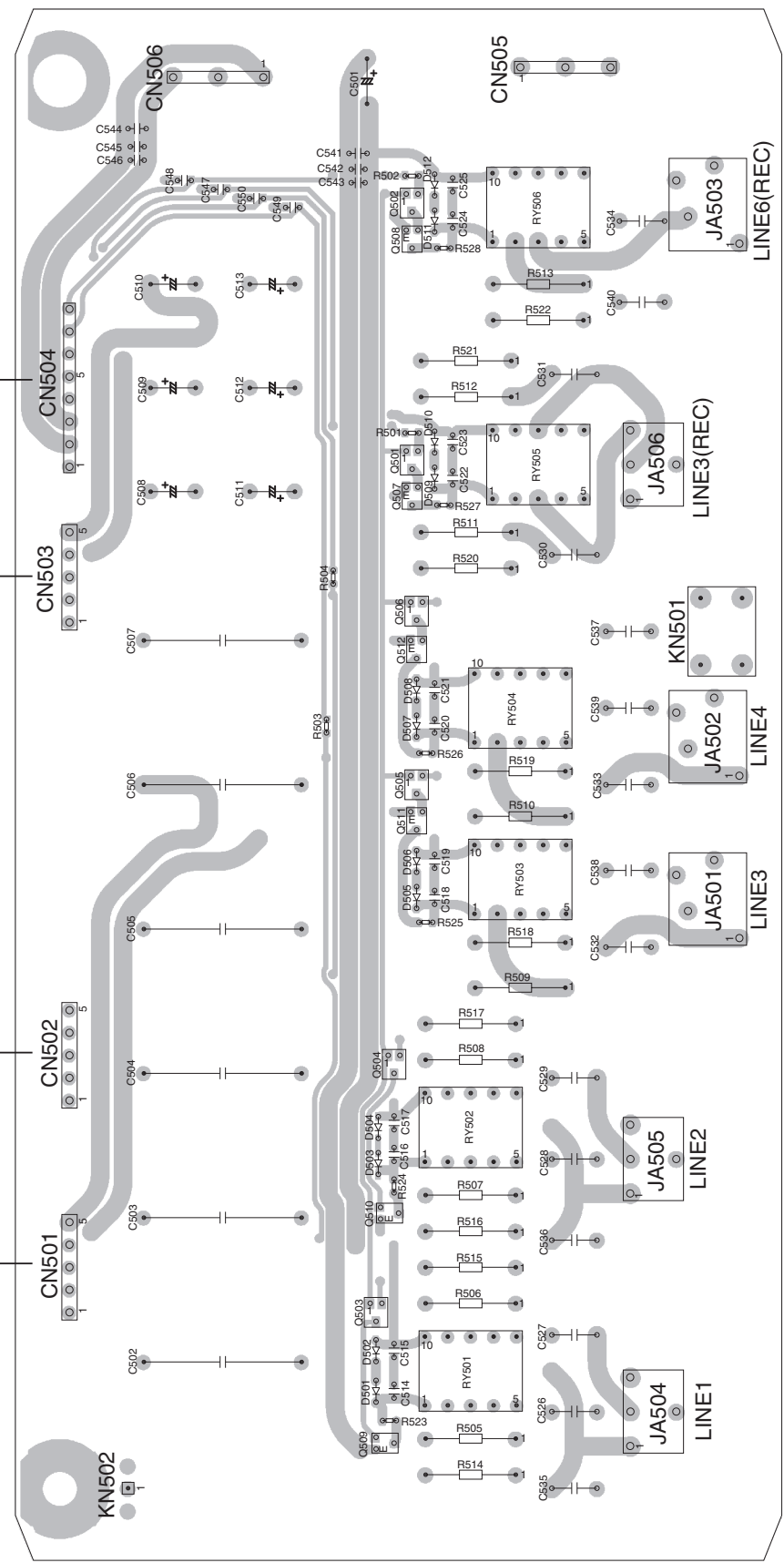
F

B CN102

B CN105

B CN110

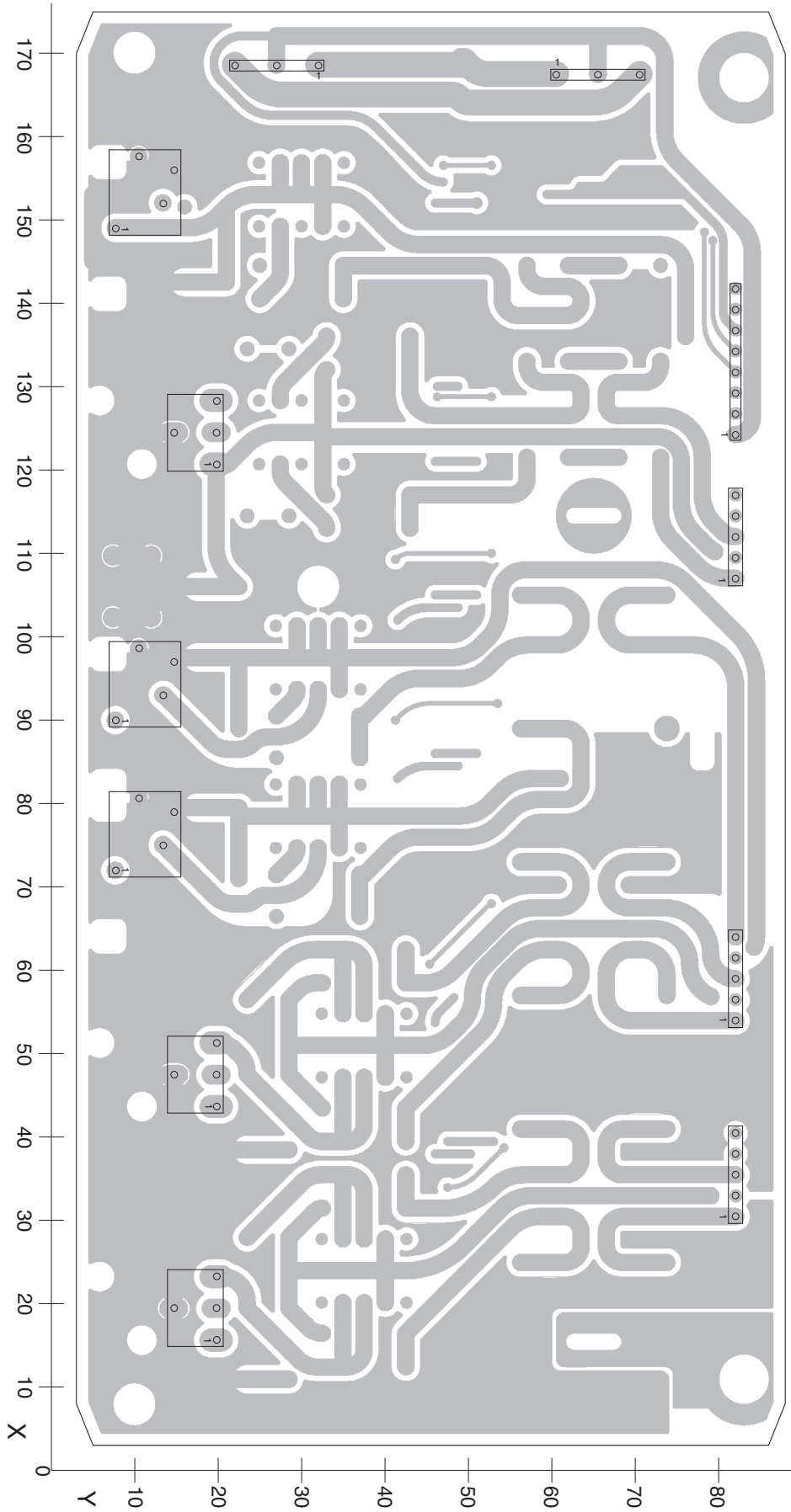
B CN107



TAD-C600

E AOUT UNIT R

SIDE B



A

B

C

D

E

F

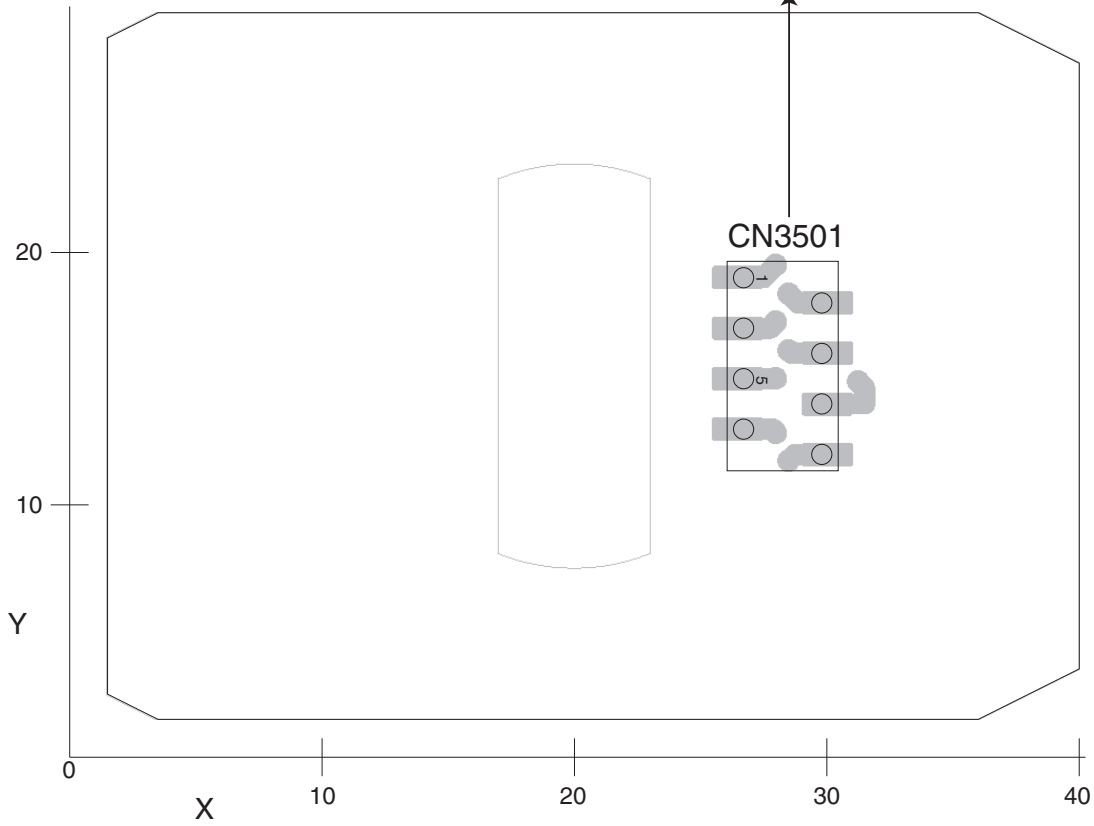


11.5 SWLB UNIT

F SWLB UNIT

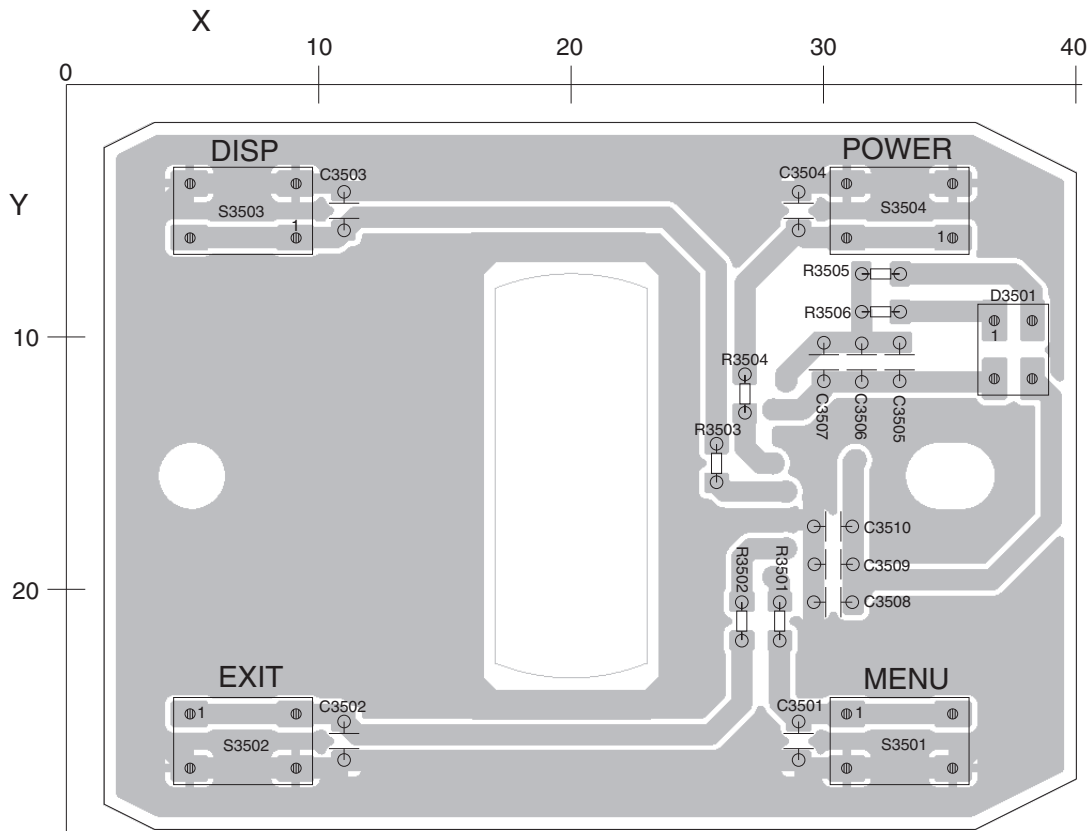
C CN2007

SIDE A



F SWLB UNIT

SIDE B



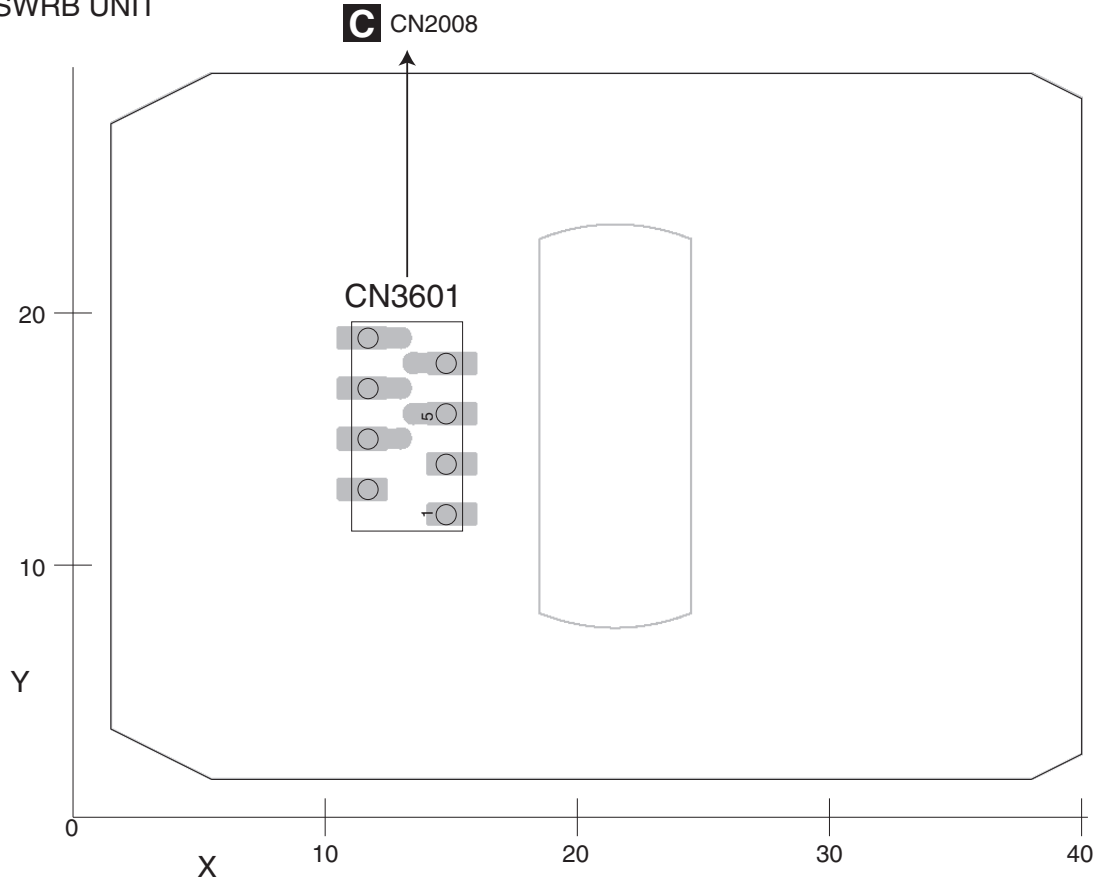
F

5 6 7 8

11.6 SWRB UNIT

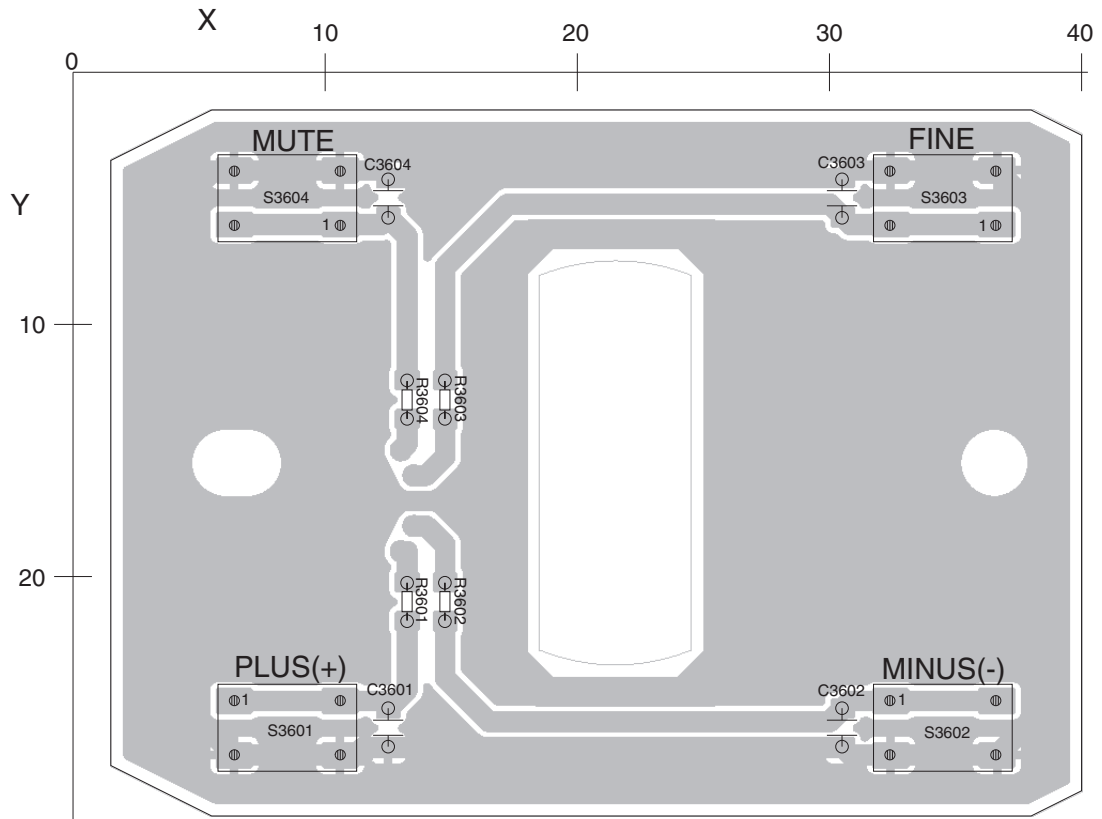
G SWRB UNIT

SIDE A



G SWRB UNIT

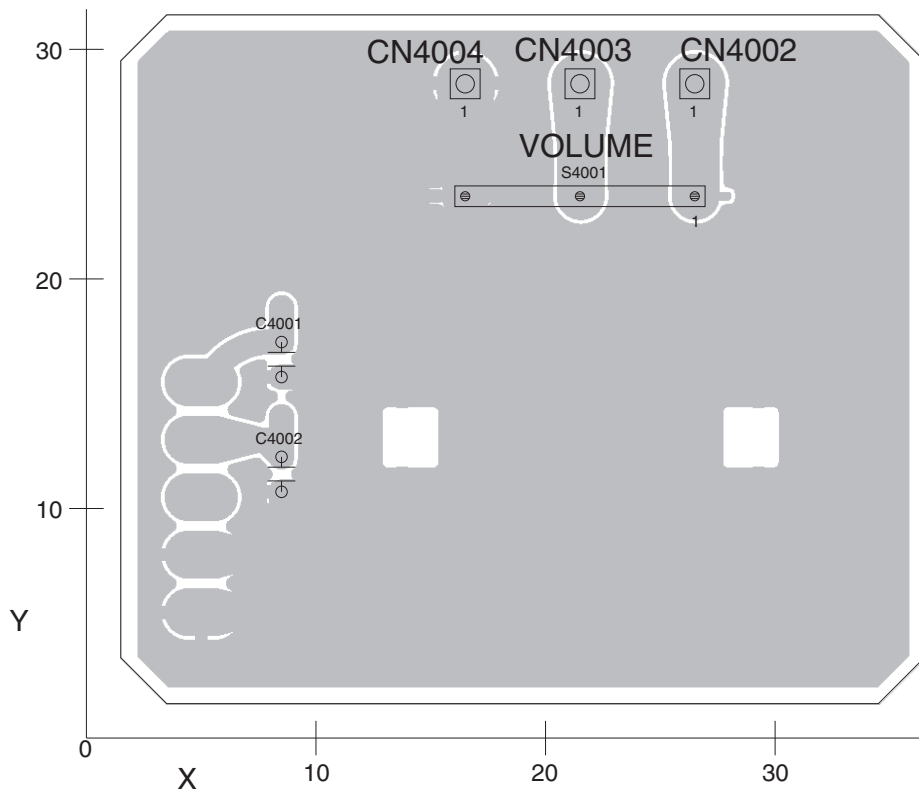
SIDE B



11.7 VR UNIT

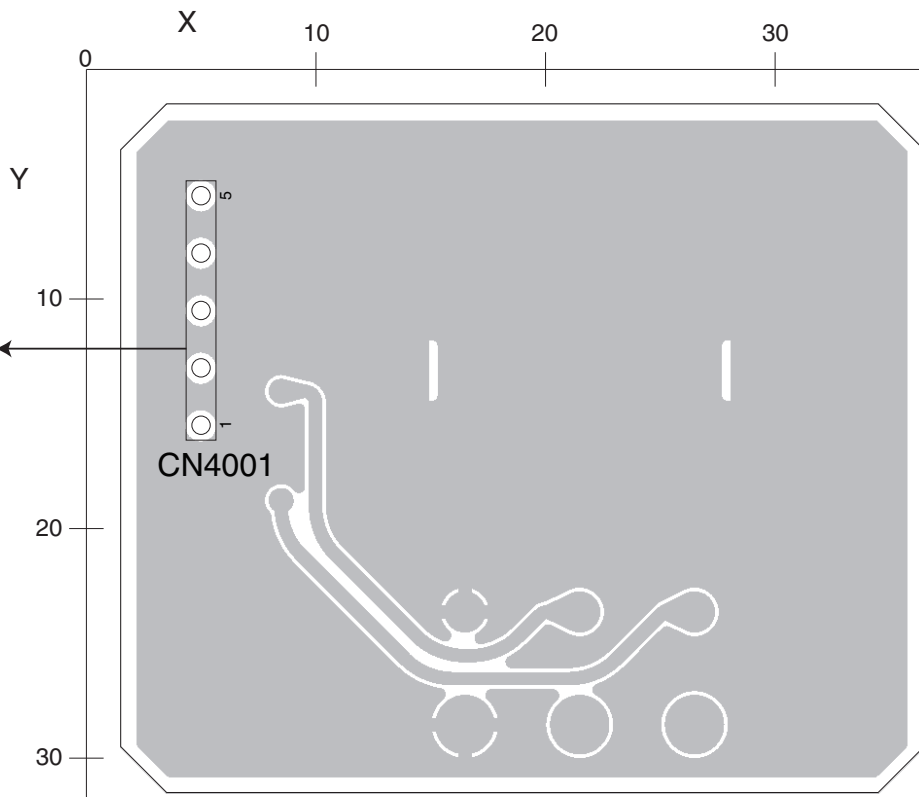
H VR UNIT

SIDE A



H VR UNIT

SIDE B



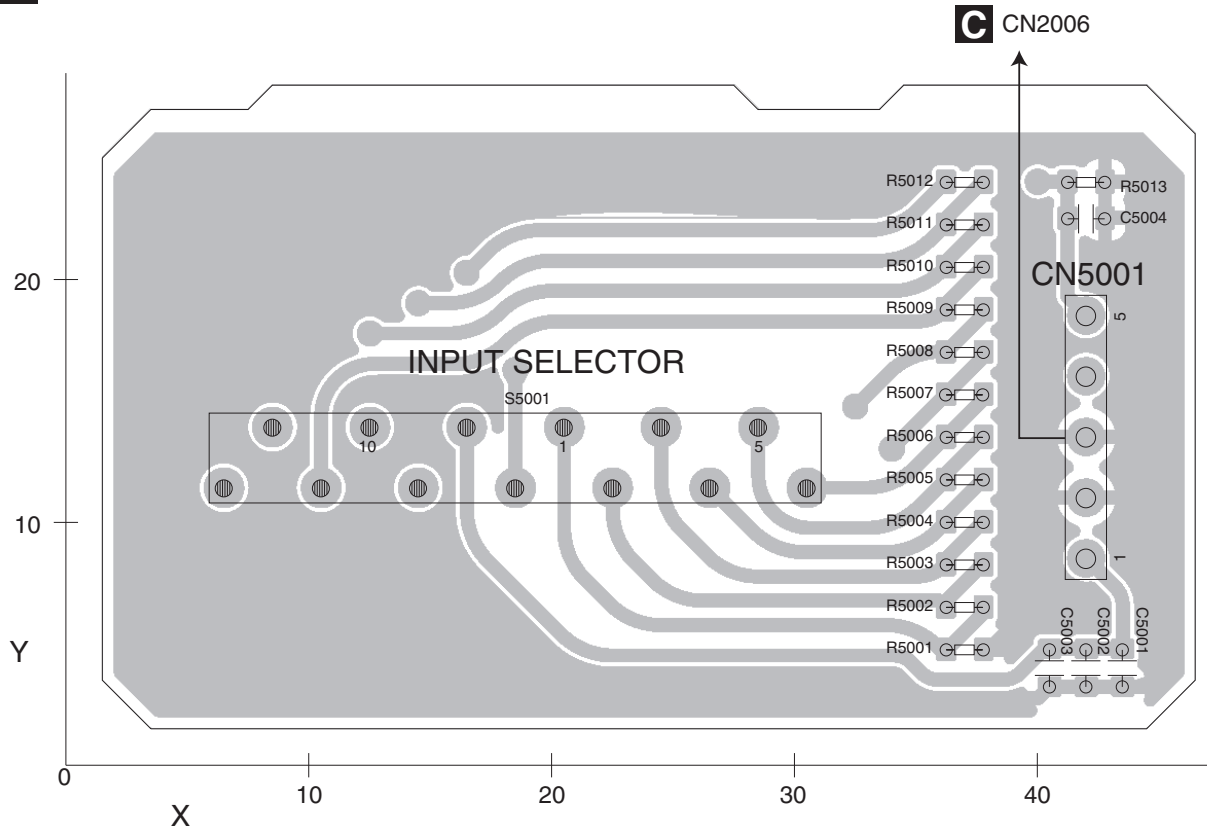
H

5 6 7 8

11.8 FNC UNIT

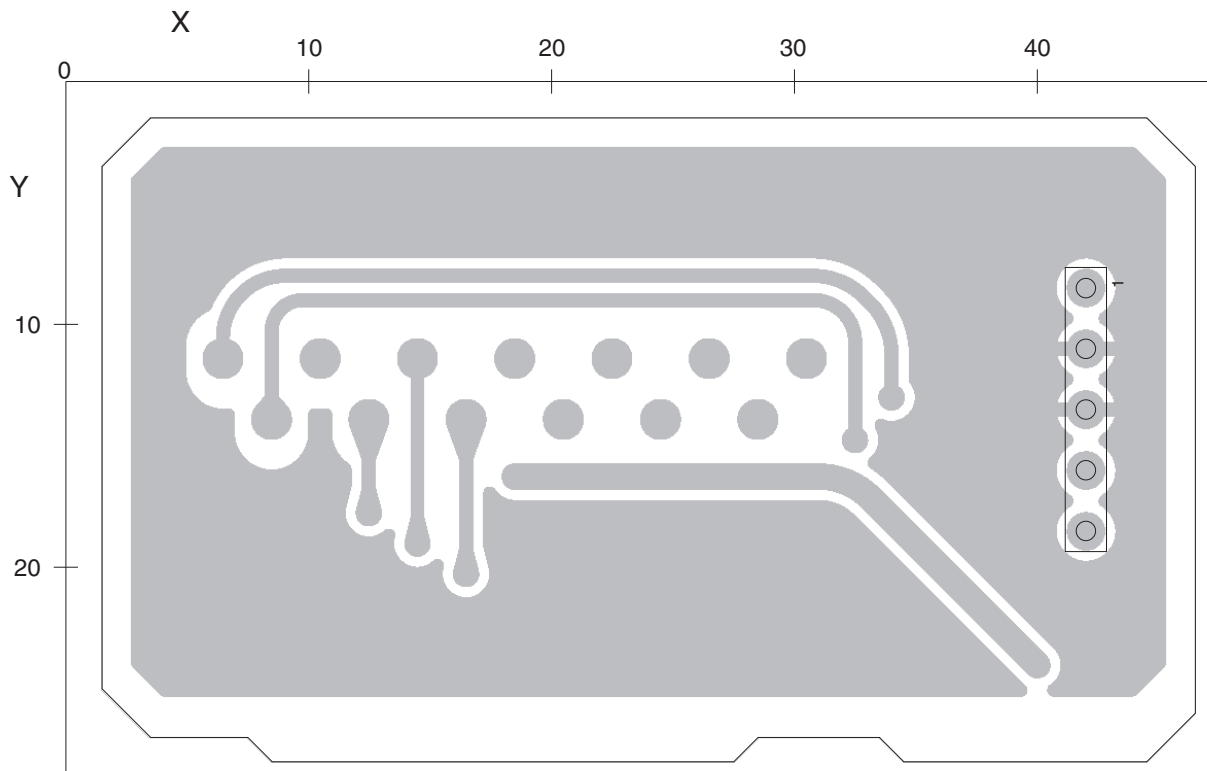
I FNC UNIT

SIDE A



I FNC UNIT

SIDE B



11.9 PRI UNIT

J PRI UNIT

SIDE A

A

K CN4306

L CN4401

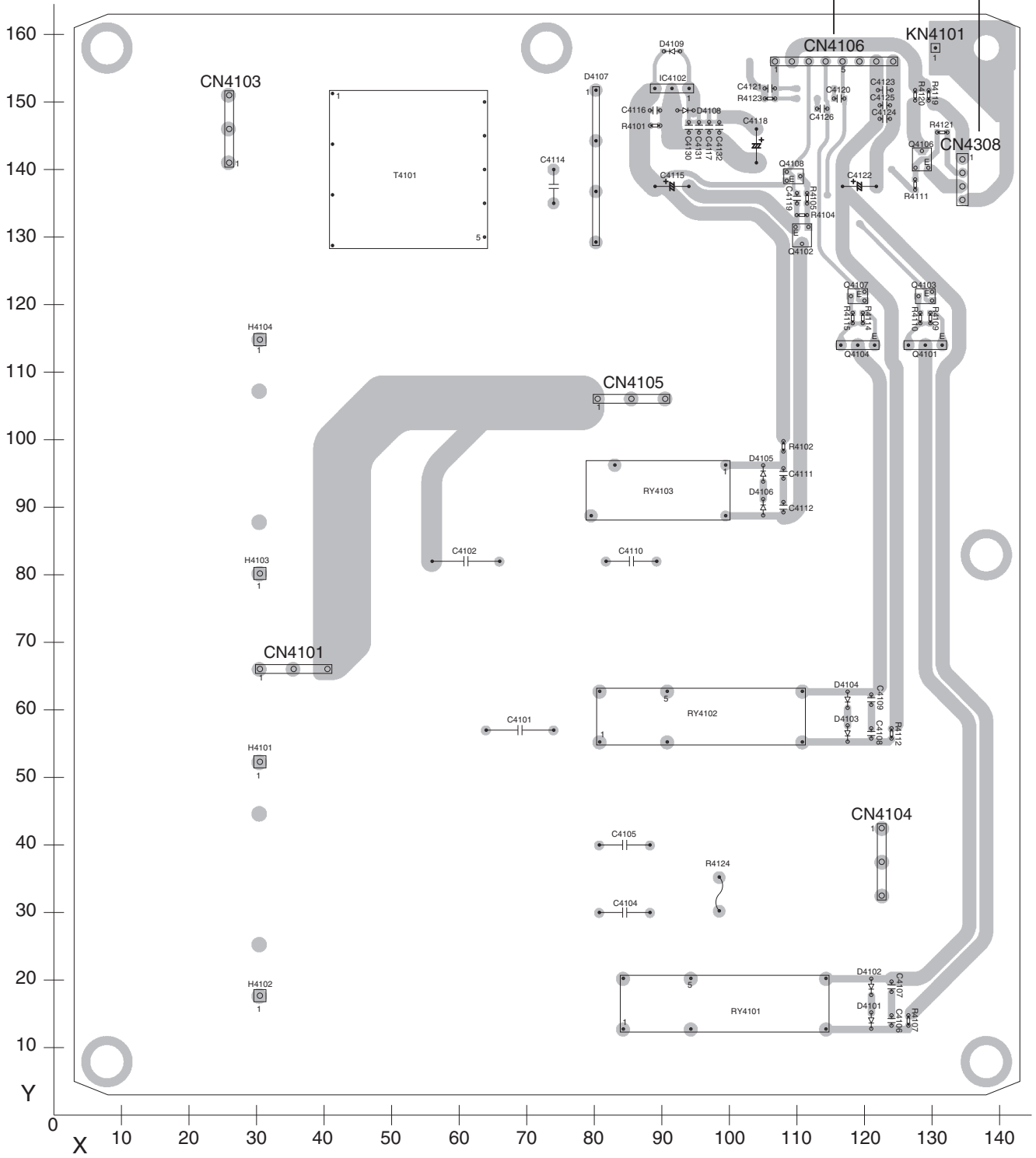
B

C

D

E

F



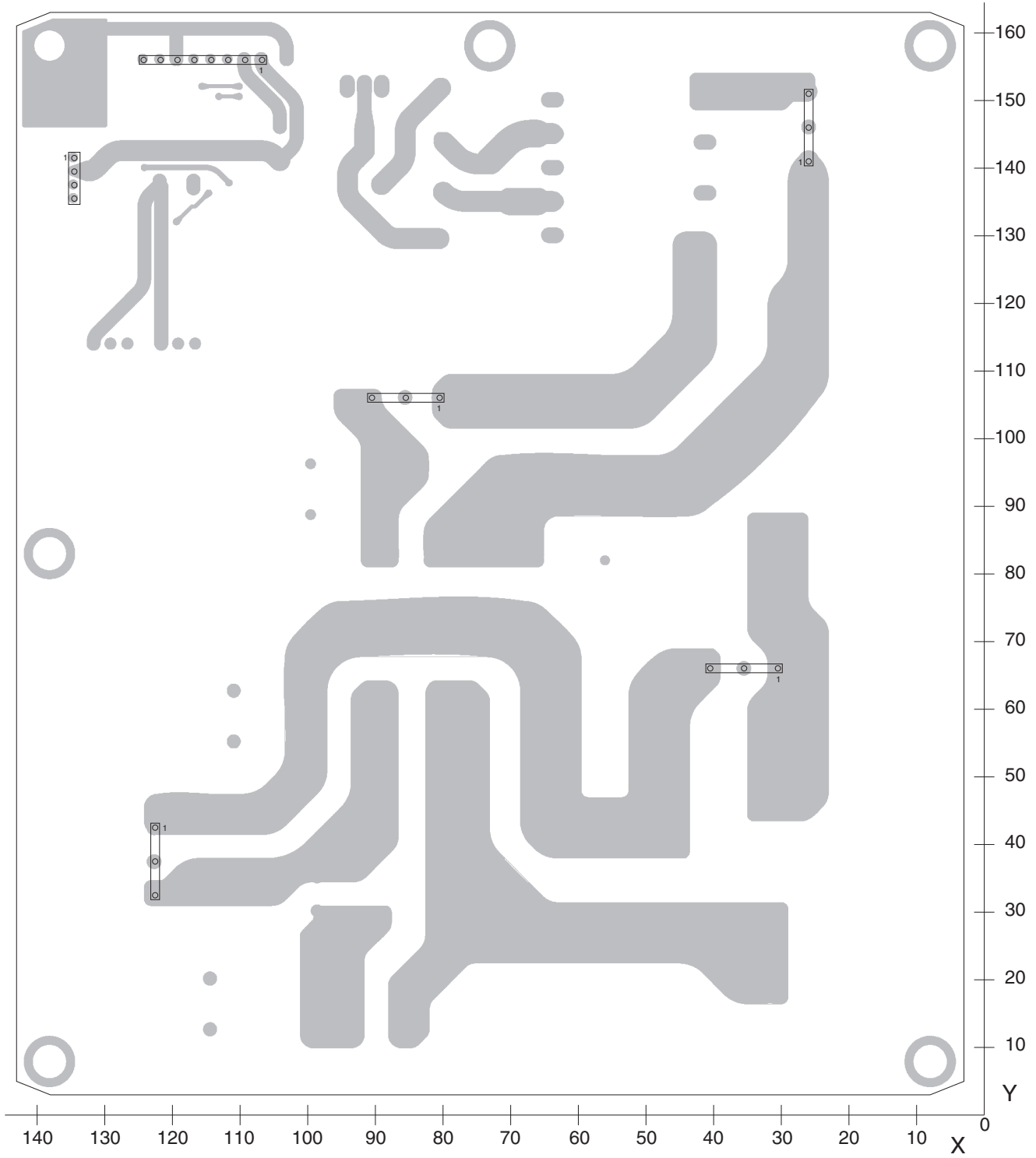
J

TAD-C600

J PRI UNIT

SIDE B

A



B

C

D

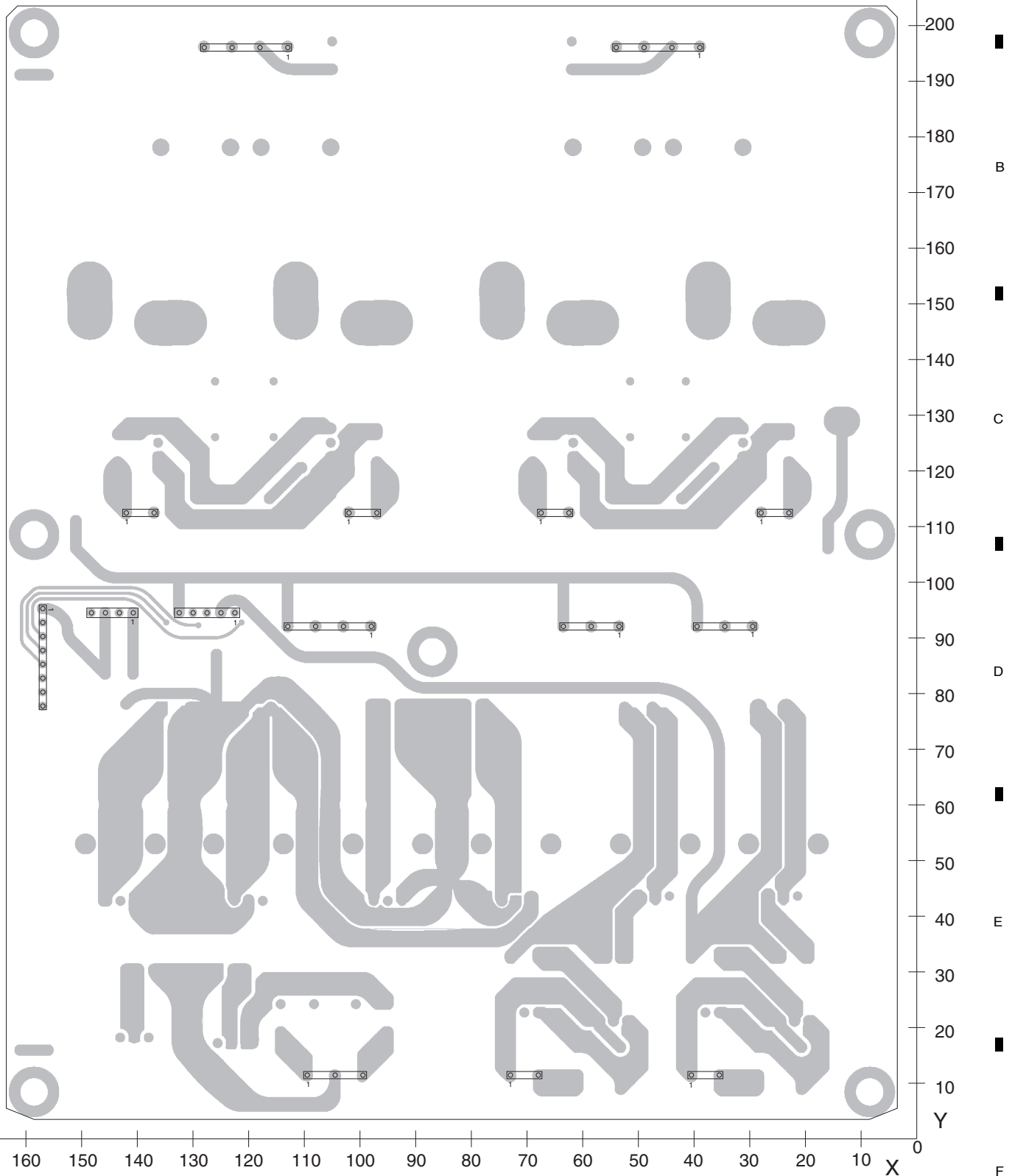
E

F

K SEC UNIT

SIDE B

A



B

C

D

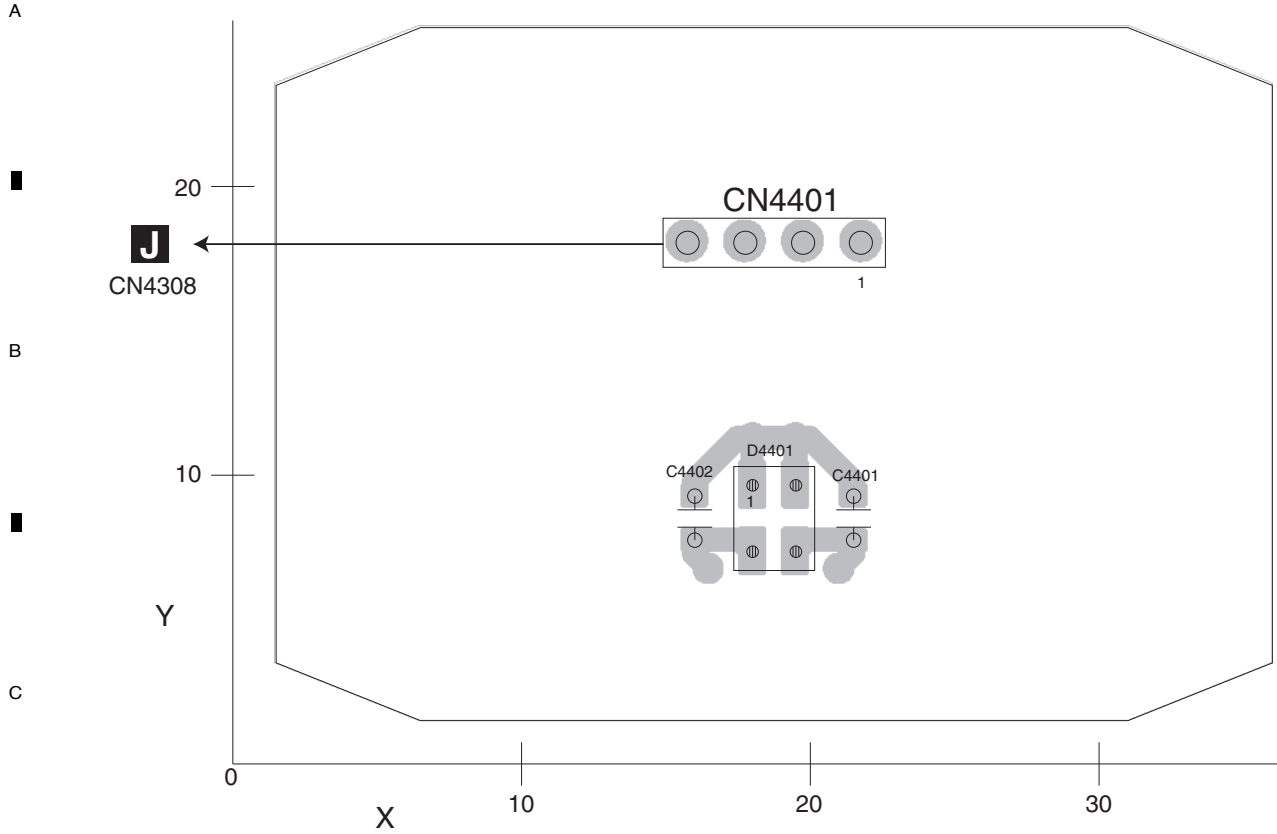
E

F

11.11 PLED UNIT

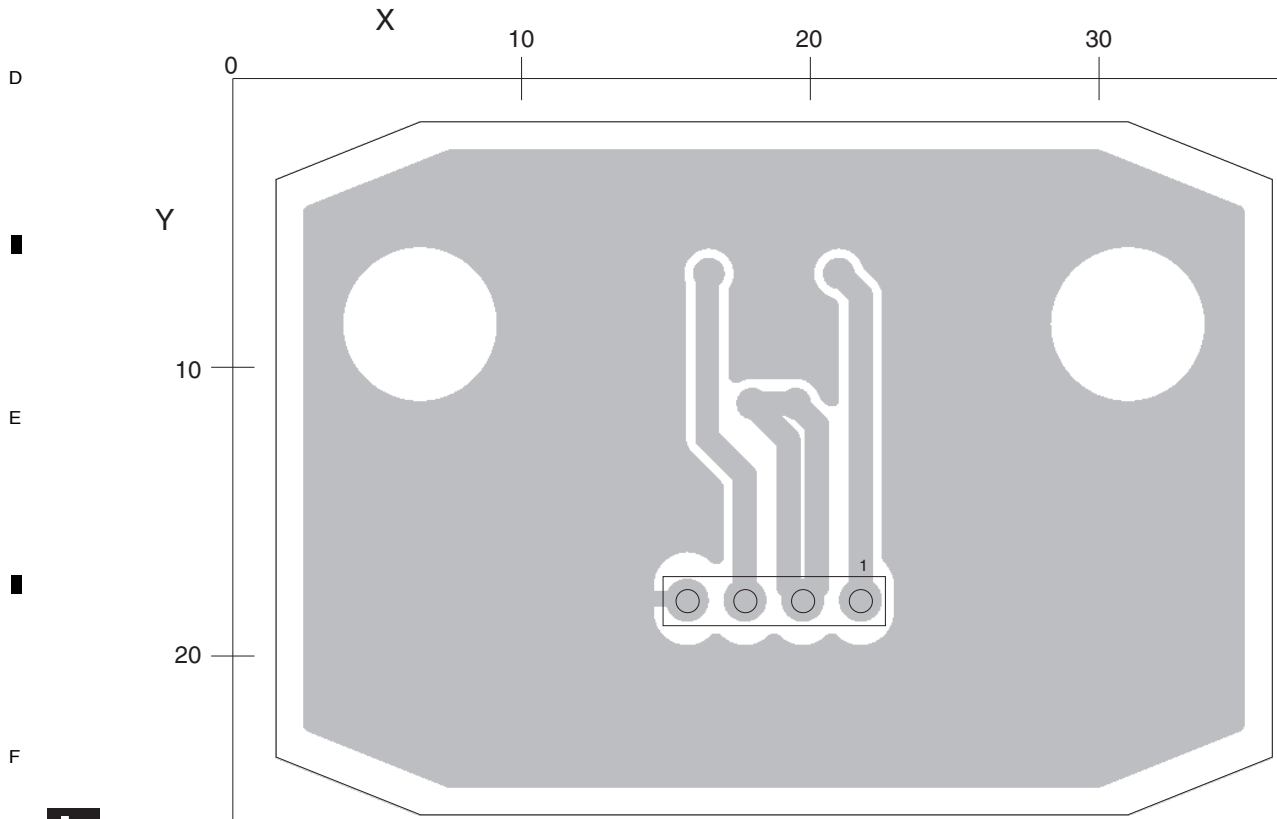
L PLED UNIT

SIDE A



L PLED UNIT

SIDE B



L

12. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

- The expression of the unit in this manual is shown by u instead of μ . Please do not make a mistake.

<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
Unit Number : CWH1739		Q 113 (A,35,84) FET	2SK208
Unit Name : Audio L Unit		Q 114 (A,68,84) FET	2SK208
Unit Number : CWH1740		Q 115 (A,41,84) FET	2SJ106
Unit Name : Audio R Unit		Q 116 (A,62,84) FET	2SJ106
Unit Number : CWX4159		Q 117 (A,28,138) FET	2SK208
Unit Name : Digital Unit		Q 118 (A,78,138) FET	2SK208
Unit Number : CWX4160		Q 119 (A,126,138) FET	2SK208
Unit Name : Power Unit		Q 120 (A,176,138) FET	2SK208
		Q 121 (A,34,138) FET	2SJ106
		Q 122 (A,72,138) FET	2SJ106
		Q 123 (A,132,138) FET	2SJ106
		Q 124 (A,170,138) FET	2SJ106
		Q 125 (A,16,138) Chip Transistor	2SA1163
		Q 126 (A,22,138) Transistor	2SC2713
		Q 127 (A,40,138) Chip Transistor	2SA1163
		Q 128 (A,46,138) Transistor	2SC2713
		Q 129 (A,90,138) Chip Transistor	2SA1163
		Q 130 (A,84,138) Transistor	2SC2713
		Q 131 (A,66,138) Chip Transistor	2SA1163
		Q 132 (A,60,138) Transistor	2SC2713
		Q 133 (A,114,138) Chip Transistor	2SA1163
		Q 134 (A,120,138) Transistor	2SC2713
		Q 135 (A,138,138) Chip Transistor	2SA1163
		Q 136 (A,144,138) Transistor	2SC2713
		Q 137 (A,188,138) Chip Transistor	2SA1163
		Q 138 (A,182,138) Transistor	2SC2713
		Q 139 (A,164,138) Chip Transistor	2SA1163
		Q 140 (A,158,138) Transistor	2SC2713
		Q 141 (A,16,146) Chip Transistor	2SA1163
		Q 142 (A,22,146) Chip Transistor	2SA1163
		Q 143 (A,40,146) Transistor	2SC2713
		Q 144 (A,46,146) Transistor	2SC2713
		Q 145 (A,90,146) Chip Transistor	2SA1163
		Q 146 (A,84,146) Chip Transistor	2SA1163
		Q 147 (A,66,146) Transistor	2SC2713
		Q 148 (A,60,146) Transistor	2SC2713
		Q 149 (A,114,146) Chip Transistor	2SA1163
		Q 150 (A,120,146) Chip Transistor	2SA1163
		Q 151 (A,138,146) Transistor	2SC2713
		Q 152 (A,144,146) Transistor	2SC2713
MISCELLANEOUS			
IC 101 (A,116,36) IC	OPA2134UA		
IC 102 (A,143,36) IC	OPA2134UA		
IC 103 (A,170,36) IC	OPA2134UA		
IC 104 (A,138,97) IC	OPA2134UA		
IC 105 (A,154,97) IC	OPA2134UA		
IC 106 (A,102,99) LSI	TAD01		
IC 107 (A,23,248) IC	OPA2134UA		
IC 108 (A,182,249) IC	OPA2134UA		
Q 101 (A,180,76) FET	2SK2034		
Q 102 (A,180,73) FET	2SK2034		
Q 103 (A,180,70) FET	2SK2034		
Q 104 (A,180,67) FET	2SK2034		
Q 105 (A,180,64) FET	2SK2034		
Q 106 (A,180,61) FET	2SK2034		
Q 107 (A,175,76) Chip Digital Transistor	DTA124EUA		
Q 108 (A,175,73) Chip Digital Transistor	DTA124EUA		
Q 109 (A,175,70) Chip Digital Transistor	DTA124EUA		
Q 110 (A,175,67) Chip Digital Transistor	DTA124EUA		
Q 111 (A,175,64) Chip Digital Transistor	DTA124EUA		
Q 112 (A,175,61) Chip Digital Transistor	DTA124EUA		

A

Unit Number : CWH1739
Unit Name : Audio L Unit

1

2

3

4

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

Q 153 (A,188,146) Chip Transistor 2SA1163
 Q 154 (A,182,146) Chip Transistor 2SA1163

D 115 (A,124,65) Diode 1SS352
 D 116 (A,129,65) Diode 1SS352
 D 117 (A,148,65) Diode 1SS352

A Q 155 (A,164,146) Transistor 2SC2713
 Q 156 (A,158,146) Transistor 2SC2713
 Q 157 (A,28,146) Chip Transistor 2SA1163
 Q 158 (A,34,146) Transistor 2SC2713
 Q 159 (A,78,146) Chip Transistor 2SA1163

D 118 (A,153,65) Diode 1SS352
 D 119 (A,160,67) Diode 1SS352
 D 120 (A,165,67) Diode 1SS352
 D 121 (A,13,127) Diode HZU13(B1)
 D 122 (A,43,127) Diode HZU13(B1)

Q 160 (A,72,146) Transistor 2SC2713
 Q 161 (A,126,146) Chip Transistor 2SA1163
 Q 162 (A,132,146) Transistor 2SC2713
 Q 163 (A,176,146) Chip Transistor 2SA1163
 Q 164 (A,170,146) Transistor 2SC2713
 Q 165 (A,30,171) Transistor 2SC2240

D 123 (A,92,127) Diode HZU13(B1)
 D 124 (A,63,127) Diode HZU13(B1)
 D 125 (A,112,127) Diode HZU13(B1)
 D 126 (A,141,127) Diode HZU13(B1)
 D 127 (A,190,127) Diode HZU13(B1)

B Q 166 (A,75,171) Transistor 2SC2240
 Q 167 (A,128,171) Transistor 2SC2240
 Q 168 (A,174,171) Transistor 2SC2240
 Q 169 (A,20,185) Transistor 2SC4883A
 Q 170 (A,42,185) Transistor 2SA1859A

D 128 (A,161,127) Diode HZU13(B1)
 D 129 (A,24,149) Diode SML-311WT(HJ)
 D 130 (A,38,149) Diode SML-311WT(HJ)
 D 131 (A,82,149) Diode SML-311WT(HJ)
 D 132 (A,68,149) Diode SML-311WT(HJ)

Q 171 (A,86,185) Transistor 2SC4883A
 Q 172 (A,64,185) Transistor 2SA1859A
 Q 173 (A,118,185) Transistor 2SC4883A
 Q 174 (A,140,185) Transistor 2SA1859A
 Q 175 (A,184,185) Transistor 2SC4883A

D 133 (A,122,149) Diode SML-311WT(HJ)
 D 134 (A,136,149) Diode SML-311WT(HJ)
 D 135 (A,180,149) Diode SML-311WT(HJ)
 D 136 (A,166,149) Diode SML-311WT(HJ)
 D 137 (A,72,261) Diode SML-311WT(HJ)

C Q 176 (A,162,185) Transistor 2SA1859A
 Q 177 (A,68,254) Chip Transistor 2SA1163
 Q 178 (A,68,300) Transistor 2SC2713
 Q 179 (A,77,264) Transistor 2SC2713
 Q 180 (A,77,290) Chip Transistor 2SA1163

D 138 (A,72,292) Diode SML-311WT(HJ)
 D 139 (A,70,269) Diode SML-311WT(HJ)
 D 140 (A,70,273) Diode SML-311WT(HJ)
 D 141 (A,70,280) Diode SML-311WT(HJ)
 D 142 (A,70,283) Diode SML-311WT(HJ)

Q 181 (A,73,267) Transistor 2SC2713
 Q 182 (A,73,286) Chip Transistor 2SA1163
 Q 183 (A,91,271) Transistor 2SC4883A
 Q 184 (A,91,282) Transistor 2SA1859A
 Q 185 (A,73,272) Transistor 2SC2713

D 143 (A,133,263) Diode SML-311WT(HJ)
 D 144 (A,133,289) Diode SML-311WT(HJ)
 D 145 (A,133,268) Diode SML-311WT(HJ)

Q 186 (A,73,281) Transistor 2SC2713
 Q 187 (A,130,252) Chip Transistor 2SA1163
 D Q 188 (A,129,301) Transistor 2SC2713
 Q 189 (A,138,262) Transistor 2SC2713
 Q 190 (A,138,291) Chip Transistor 2SA1163

D 146 (A,133,272) Diode SML-311WT(HJ)
 D 147 (A,133,280) Diode SML-311WT(HJ)
 D 148 (A,133,284) Diode SML-311WT(HJ)
 RY101 (A,33,44) Relay VSR1008
 RY102 (A,61,44) Relay VSR1008

Q 191 (A,136,266) Transistor 2SC2713
 Q 192 (A,136,286) Chip Transistor 2SA1163
 Q 193 (A,154,271) Transistor 2SC4883A
 Q 194 (A,154,282) Transistor 2SA1859A
 Q 195 (A,136,271) Transistor 2SC2713

RY103 (A,88,44) Relay VSR1008
 RY104 (A,116,57) Relay VSR1008
 RY105 (A,140,57) Relay VSR1008
 RY106 (A,162,57) Relay VSR1008
 VR101 (A,48,132) Semi-fixed 1 kohm CCP1568

Q 196 (A,136,281) Transistor 2SC2713
 Q 197 (A,193,101) Transistor DTC124EUA
 Q 198 (A,189,101) Transistor DTC124EUA
 D 101 (A,186,101) Diode 1SS352
 D 102 (A,180,101) Diode 1SS352

VR102 (A,59,132) Semi-fixed 1 kohm CCP1568
 VR103 (A,146,132) Semi-fixed 1 kohm CCP1568
 VR104 (A,157,132) Semi-fixed 1 kohm CCP1568
 VR105 (A,30,161) Semi-fixed 1 kohm CCP1568
 VR106 (A,75,161) Semi-fixed 1 kohm CCP1568

D 103 (A,191,104) Diode 1SS352
 D 104 (A,188,104) Diode 1SS352
 D 105 (A,174,101) Diode RB751V-40
 D 106 (A,176,101) Diode RB751V-40
 D 107 (A,182,101) Diode RB751V-40

VR107 (A,128,161) Semi-fixed 1 kohm CCP1568
 VR108 (A,174,161) Semi-fixed 1 kohm CCP1568
 CN101 (A,191,70) Connector VKN1607
 CN102 (A,175,108) 8P Top Post B8B-EH
 CN103 (A,109,20) Earth Lead Wire CDE9605

D 108 (A,184,101) Diode RB751V-40
 D 109 (A,40,52) Diode 1SS352
 D 110 (A,45,52) Diode 1SS352
 F D 111 (A,68,51) Diode 1SS352
 D 112 (A,73,51) Diode 1SS352

CN105 (A,147,108) Connector B6B-EH
 CN106 (A,53,169) 3P Top Post B3B-EH
 CN107 (A,57,235) CONN-Cord CDE9597
 CN108 (A,53,181) 3P Top Post B3B-EH
 CN109 (A,151,169) 3P Top Post B3B-EH

D 113 (A,85,54) Diode 1SS352
 D 114 (A,90,54) Diode 1SS352

CN110 (A,155,235) CONN-Cord CDE9597
 CN111 (A,151,181) 3P Top Post B3B-EH
 CN112 (A,70,309) Connector CKS6112
 CN113 (A,190,295) 3P Top Post B3B-EH
 CN114 (A,190,276) 3P Top Post B3B-EH

1

2

3

4

5		6		7		8	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
CN116	(A,96,236) Earth Lead Wire	CDE9605		R 146	(A,116,47) 4.7 kohm	CCN1272	
CN118	(A,113,276) Earth Lead Wire	CDE9682		R 147	(A,143,47) 4.7 kohm	CCN1272	
JA101	(A,33,11) Connector	CKM1590		R 148	(A,170,47) 4.7 kohm	CCN1272	
JA102	(A,61,11) Connector	CKM1590		R 149	(A,123,43) 220 kohm	CCN1266	A
				R 150	(A,150,43) 220 kohm	CCN1266	
JA103	(A,88,11) Connector	CKM1590		R 151	(A,177,43) 220 kohm	CCN1266	
JA104	(A,126,8) Pin Jack	AKB7102		R 152	(A,108,56) 220 ohm	CCN1288	
JA105	(A,144,8) Pin Jack	AKB7102		R 153	(A,124,56) 220 ohm	CCN1288	
JA106	(A,162,8) Pin Jack	AKB7102		R 154	(A,132,56) 220 ohm	CCN1288	
JA107	(A,180,11) Jack	DKN1124		R 155	(A,148,56) 220 ohm	CCN1288	
KN101	(A,109,3) Terminal	VNE1949		R 156	(A,154,56) 220 ohm	CCN1288	
KN102	(A,90,67) Holder	CND5464		R 157	(A,170,56) 220 ohm	CCN1288	
				R 158	(A,20,284)	RS1/10SR0R0J	
				R 162	(A,132,67)	RS1/10SR220J	
				R 163	(A,155,67)	RS1/10SR220J	B
				R 164	(A,168,68)	RS1/10SR220J	
R 101	(A,26,34) 1 mohm	CCN1340		R 165	(A,33,71) 330 ohm	CCN1237	
R 102	(A,39,34) 1 mohm	CCN1340		R 166	(A,64,71) 330 ohm	CCN1237	
R 103	(A,54,34) 1 mohm	CCN1340		R 167	(A,117,102)	RN1/16SE1001D	
R 104	(A,67,34) 1 mohm	CCN1340		R 168	(A,117,99)	RN1/16SE1001D	
R 105	(A,81,34) 1 mohm	CCN1340					
R 106	(A,94,34) 1 mohm	CCN1340		R 169	(A,33,75) 220 kohm	CCN1266	
R 107	(A,124,25) 47 kohm	CCN1258		R 170	(A,64,75) 220 kohm	CCN1266	
R 108	(A,143,25) 47 kohm	CCN1258		R 171	(A,35,81)	RN1/16SE4700D	
R 109	(A,161,25) 47 kohm	CCN1258		R 172	(A,41,81)	RN1/16SE4700D	
R 110	(A,194,113)	RS1/10SR474J		R 173	(A,68,81)	RN1/16SE4700D	
R 111	(A,25,43) 220 ohm	CCN1288		R 174	(A,62,81)	RN1/16SE4700D	C
R 112	(A,41,43) 220 ohm	CCN1288		R 175	(A,132,95)	RN1/16SE2203D	
R 113	(A,53,43) 220 ohm	CCN1288		R 176	(A,143,92)	RN1/16SE2203D	
R 114	(A,69,43) 220 ohm	CCN1288		R 177	(A,35,89)	RN1/16SE1000D	
R 115	(A,80,43) 220 ohm	CCN1288		R 178	(A,40,89)	RN1/16SE1000D	
R 116	(A,96,43) 220 ohm	CCN1288		R 179	(A,67,89)	RN1/16SE1000D	
R 117	(A,194,111)	RS1/10SR474J		R 180	(A,62,89)	RN1/16SE1000D	
R 118	(A,123,29) 220 ohm	CCN1288		R 181	(A,40,91)	RN1/16SE1000D	
R 119	(A,150,29) 220 ohm	CCN1288		R 182	(A,67,91)	RN1/16SE1000D	
R 120	(A,177,29) 220 ohm	CCN1288		R 183	(A,82,84) 220 kohm	CCN1266	
R 121	(A,184,22)	RS1/10SR221J		R 184	(A,77,84) 220 kohm	CCN1266	D
R 122	(A,183,22)	RS1/10SR221J		R 185	(A,132,100)	RN1/16SE2203D	
R 123	(A,194,110)	RS1/10SR474J		R 186	(A,145,92)	RN1/16SE2203D	
R 124	(A,194,108)	RS1/10SR474J		R 187	(A,148,97)	RN1/16SE1002D	
R 125	(A,98,92)	RS1/10SR102J		R 188	(A,148,96)	RN1/16SE1002D	
R 126	(A,184,72)	RS1/10SR102J		R 189	(A,148,100)	RN1/16SE4701D	
R 127	(A,184,66)	RS1/10SR102J		R 190	(A,148,94)	RN1/16SE4701D	
R 128	(A,184,60)	RS1/10SR102J		R 191	(A,105,92)	RS1/10SR103J	
R 129	(A,109,29) 220 kohm	CCN1266		R 192	(A,107,92)	RS1/10SR103J	
R 130	(A,137,29) 220 kohm	CCN1266		R 193	(A,108,92)	RS1/10SR103J	
R 131	(A,164,29) 220 kohm	CCN1266		R 195	(A,93,92)	RS1/10SR104J	
R 132	(A,96,92)	RS1/10SR102J		R 196	(A,95,92)	RS1/10SR104J	E
R 133	(A,99,92)	RS1/10SR102J		R 198	(A,148,101)	RN1/16SE2203D	
R 134	(A,184,75)	RS1/10SR102J		R 199	(A,29,118) 100 ohm	CCN1230	
R 135	(A,184,69)	RS1/10SR102J		R 200	(A,75,118) 100 ohm	CCN1230	
R 136	(A,184,63)	RS1/10SR102J		R 201	(A,130,118) 100 ohm	CCN1230	
R 137	(A,109,43) 4.7 kohm	CCN1272		R 202	(A,176,118) 100 ohm	CCN1230	
R 138	(A,137,43) 4.7 kohm	CCN1272		R 203	(A,29,122) 220 kohm	CCN1266	
R 139	(A,164,43) 4.7 kohm	CCN1272		R 204	(A,75,122) 220 kohm	CCN1266	
R 140	(A,48,55)	RS1/10SR220J		R 205	(A,130,122) 220 kohm	CCN1266	
R 141	(A,78,53)	RS1/10SR220J		R 206	(A,176,122) 220 kohm	CCN1266	
R 142	(A,93,56)	RS1/10SR220J		R 207	(A,29,134)	RN1/16SE4700D	F
R 143	(A,120,41)	RN1/16SE1000D		R 208	(A,33,134)	RN1/16SE4700D	
R 144	(A,147,41)	RN1/16SE1000D		R 209	(A,77,134)	RN1/16SE4700D	
R 145	(A,174,41)	RN1/16SE1000D		R 210	(A,73,134)	RN1/16SE4700D	

1

2

3

4

Circuit Symbol and No.Part No.Circuit Symbol and No.Part No.

R 211	(A,127,134)	RN1/16SE4700D	R 271	(A,126,149)	RN1/16SE1000D
R 212	(A,131,134)	RN1/16SE4700D	R 272	(A,133,149)	RN1/16SE1000D
R 213	(A,175,134)	RN1/16SE4700D	R 273	(A,177,149)	RN1/16SE1000D
R 214	(A,171,134)	RN1/16SE4700D	R 274	(A,170,149)	RN1/16SE1000D
R 215	(A,50,139)	RN1/16SE2000D	R 275	(A,29,155)	RN1/16SE4702D
R 216	(A,57,139)	RN1/16SE2000D	R 276	(A,33,155)	RN1/16SE4702D
R 217	(A,148,139)	RN1/16SE2000D	R 277	(A,77,155)	RN1/16SE4702D
R 218	(A,155,139)	RN1/16SE2000D	R 278	(A,73,155)	RN1/16SE4702D
R 219	(A,12,137)	RN1/16SE1000D	R 279	(A,127,155)	RN1/16SE4702D
R 220	(A,29,142)	RN1/16SE1000D	R 280	(A,131,155)	RN1/16SE4702D
R 221	(A,33,142)	RN1/16SE1000D	R 281	(A,175,155)	RN1/16SE4702D
R 222	(A,50,137)	RN1/16SE68R0D	R 282	(A,171,155)	RN1/16SE4702D
R 223	(A,94,139)	RN1/16SE1000D	R 283	(A,27,166)	RN1/16SE1501D
R 224	(A,77,142)	RN1/16SE1000D	R 284	(A,30,166)	RN1/16SE1001D
R 225	(A,73,142)	RN1/16SE1000D	R 285	(A,33,166)	RN1/16SE1001D
R 226	(A,57,137)	RN1/16SE68R0D	R 286	(A,78,166)	RN1/16SE1501D
R 227	(A,110,137)	RN1/16SE1000D	R 287	(A,75,166)	RN1/16SE1001D
R 228	(A,127,142)	RN1/16SE1000D	R 288	(A,72,166)	RN1/16SE1001D
R 229	(A,131,142)	RN1/16SE1000D	R 289	(A,125,166)	RN1/16SE1501D
R 230	(A,148,137)	RN1/16SE68R0D	R 290	(A,128,166)	RN1/16SE1001D
R 231	(A,192,139)	RN1/16SE1000D	R 291	(A,131,166)	RN1/16SE1001D
R 232	(A,175,142)	RN1/16SE1000D	R 292	(A,177,166)	RN1/16SE1501D
R 233	(A,171,142)	RN1/16SE1000D	R 293	(A,174,166)	RN1/16SE1001D
R 234	(A,155,137)	RN1/16SE68R0D	R 294	(A,171,166)	RN1/16SE1001D
R 235	(A,43,135)	RN1/16SE1000D	R 295	(A,20,176) 220 ohm	CCN1197
R 236	(A,63,134)	RN1/16SE1000D	R 296	(A,42,176) 220 ohm	CCN1197
R 237	(A,140,134)	RN1/16SE1000D	R 297	(A,86,176) 220 ohm	CCN1197
R 238	(A,161,135)	RN1/16SE1000D	R 298	(A,64,176) 220 ohm	CCN1197
R 239	(A,16,136)	RN1/16SE1000D	R 299	(A,118,176) 220 ohm	CCN1197
R 240	(A,42,164) 100 ohm	CCN1096	R 300	(A,140,176) 220 ohm	CCN1197
R 241	(A,89,135)	RN1/16SE1000D	R 301	(A,184,176) 220 ohm	CCN1197
R 242	(A,63,164) 100 ohm	CCN1096	R 302	(A,162,176) 220 ohm	CCN1197
R 243	(A,116,135)	RN1/16SE1000D	R 303	(A,23,181) 10 ohm	CCN1193
R 244	(A,141,164) 100 ohm	CCN1096	R 304	(A,40,181) 10 ohm	CCN1193
R 245	(A,186,135)	RN1/16SE1000D	R 305	(A,84,181) 10 ohm	CCN1193
R 246	(A,161,164) 100 ohm	CCN1096	R 306	(A,67,181) 10 ohm	CCN1193
R 247	(A,12,130)	RN1/16SE4702D	R 307	(A,121,181) 10 ohm	CCN1193
R 248	(A,48,127)	RN1/16SE4702D	R 308	(A,138,181) 10 ohm	CCN1193
R 249	(A,94,130)	RN1/16SE4702D	R 309	(A,182,180) 10 ohm	CCN1193
R 250	(A,59,127)	RN1/16SE4702D	R 310	(A,165,180) 10 ohm	CCN1193
R 251	(A,110,130)	RN1/16SE4702D	R 311	(A,21,238) 10 kohm	CCN1232
R 252	(A,146,127)	RN1/16SE4702D	R 312	(A,25,238) 10 kohm	CCN1232
R 253	(A,192,130)	RN1/16SE4702D	R 313	(A,180,238) 10 kohm	CCN1232
R 254	(A,157,127)	RN1/16SE4702D	R 314	(A,184,238) 10 kohm	CCN1232
R 255	(A,37,164) 330 ohm	CCN1345	R 315	(A,17,238) 4.7 kohm	CCN1272
R 256	(A,68,164) 330 ohm	CCN1345	R 316	(A,28,238) 4.7 kohm	CCN1272
R 257	(A,136,164) 330 ohm	CCN1345	R 317	(A,176,238) 4.7 kohm	CCN1272
R 258	(A,166,164) 330 ohm	CCN1345	R 318	(A,187,238) 4.7 kohm	CCN1272
R 259	(A,12,145)	RN1/16SE1000D	R 319	(A,58,272)	RS1/10SR153J
R 260	(A,50,147)	RN1/16SE1000D	R 320	(A,58,275)	RS1/10SR153J
R 261	(A,94,147)	RN1/16SE1000D	R 321	(A,58,278)	RS1/10SR153J
R 262	(A,56,145)	RN1/16SE1000D	R 322	(A,58,281)	RS1/10SR153J
R 263	(A,110,145)	RN1/16SE1000D	R 323	(A,64,255)	RS1/10SR563J
R 264	(A,148,147)	RN1/16SE1000D	R 324	(A,64,301)	RS1/10SR563J
R 265	(A,192,147)	RN1/16SE1000D	R 325	(A,64,253)	RN1/16SE1501D
R 266	(A,154,145)	RN1/16SE1000D	R 326	(A,64,299)	RN1/16SE1501D
R 267	(A,28,149)	RN1/16SE1000D	R 327	(A,75,261)	RN1/16SE1001D
R 268	(A,35,149)	RN1/16SE1000D	R 328	(A,75,293)	RN1/16SE1001D
R 269	(A,79,149)	RN1/16SE1000D	R 329	(A,103,271) 10 ohm	CCN1193
R 270	(A,72,149)	RN1/16SE1000D	R 330	(A,94,274)	RN1/16SE4701D

1

2

3

4

5		6		7		8	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
R 331	(A,89,278)	RN1/16SE4701D		C 121	(A,86,56)	CKSRYB103K50	
R 332	(A,103,281) 10 ohm	CCN1193		C 122	(A,89,56)	CKSRYB103K50	
R 333	(A,80,275)	RN1/16SE2202D		C 123	(A,108,36) 47 uF/25 V	CCH1712	A
R 334	(A,77,275)	RN1/16SE1002D		C 124	(A,135,36) 47 uF/25 V	CCH1712	
R 335	(A,73,275)	RN1/16SE4701D		C 125	(A,162,36) 47 uF/25 V	CCH1712	
R 336	(A,73,277)	RN1/16SE4701D					
R 337	(A,77,277)	RN1/16SE1002D		C 126	(A,125,67)	CKSRYB103K50	
R 338	(A,80,277)	RN1/16SE2202D		C 127	(A,128,67)	CKSRYB103K50	
R 339	(A,125,253)	RS1/10SR473J		C 128	(A,149,67)	CKSRYB103K50	
R 340	(A,125,302)	RS1/10SR473J		C 129	(A,152,67)	CKSRYB103K50	
				C 130	(A,161,69)	CKSRYB103K50	
R 341	(A,125,251)	RN1/16SE1501D					
R 342	(A,125,300)	RN1/16SE1501D		C 131	(A,164,69)	CKSRYB103K50	
R 343	(A,136,258)	RN1/16SE1001D		C 132	(A,43,74) 220 pF	CCE1044	
R 344	(A,136,294)	RN1/16SE1001D		C 133	(A,54,74) 220 pF	CCE1044	
R 345	(A,166,271) 10 ohm	CCN1193		C 134	(A,123,106) 47 uF/50 V	VCH1261	B
				C 135	(A,123,95) 47 uF/50 V	VCH1261	
R 346	(A,157,274)	RN1/16SE4701D					
R 347	(A,152,278)	RN1/16SE4701D		C 136	(A,14,63) 0.47 uF	CCE1045	
R 348	(A,166,281) 10 ohm	CCN1193		C 137	(A,31,63) 0.47 uF	CCE1045	
R 349	(A,142,275)	RN1/16SE3301D		C 138	(A,65,63) 0.47 uF	CCE1045	
R 350	(A,139,275)	RN1/16SE1002D		C 139	(A,48,63) 0.47 uF	CCE1045	
				C 140	(A,138,92)	CFHXSP223G50	
R 351	(A,136,275)	RN1/16SE4701D					
R 352	(A,136,277)	RN1/16SE4701D		C 141	(A,36,104) 8.2 uF	CCE1060	
R 353	(A,139,277)	RN1/16SE1002D		C 142	(A,71,104) 8.2 uF	CCE1060	
R 354	(A,142,277)	RN1/16SE3301D		C 143	(A,138,102)	CFHXSP223G50	
R 355	(A,113,92)	RS1/10SR103J		C 144	(A,154,92)	CFHXSP223G50	
				C 145	(A,94,95)	CCSRCH101J50	C
R 356	(A,194,105)	RS1/10SR473J					
R 357	(A,194,107)	RS1/10SR473J		C 146	(A,111,110) 1 uF	CCE1040	
R 358	(A,193,94)	RS1/10SR104J		C 147	(A,96,110) 1 uF	CCE1040	
R 359	(A,180,56)	RS1/10SR104J		C 148	(A,112,100) 10 uF/16 V	CCH1692	
R 360	(A,180,54)	RS1/10SR104J		C 149	(A,154,102)	CFHXSP223G50	
				C 150	(A,29,128) 220 pF	CCE1044	
R 361	(A,180,57)	RS1/10SR104J					
R 362	(A,180,53)	RS1/10SR104J		C 151	(A,78,128) 220 pF	CCE1044	
R 363	(A,180,51)	RS1/10SR104J		C 152	(A,127,128) 220 pF	CCE1044	
R 364	(A,180,59)	RS1/10SR104J		C 153	(A,176,128) 220 pF	CCE1044	
R 365	(A,31,188)	RS1/10SR0R0J		C 154	(A,14,121) 0.47 uF	CCE1045	
				C 155	(A,43,121) 0.47 uF	CCE1045	
R 366	(A,75,188)	RS1/10SR0R0J					D
R 367	(A,129,188)	RS1/10SR0R0J		C 156	(A,89,121) 0.47 uF	CCE1045	
R 368	(A,173,188)	RS1/10SR0R0J		C 157	(A,60,121) 0.47 uF	CCE1045	
				C 158	(A,115,121) 0.47 uF	CCE1045	
				C 159	(A,144,121) 0.47 uF	CCE1045	
				C 160	(A,190,121) 0.47 uF	CCE1045	
<u>CAPACITORS</u>							
C 101	(A,174,10)	CKSRYB103K50					
C 102	(A,28,28) 220 pF	CCE1044		C 161	(A,161,121) 0.47 uF	CCE1045	
C 103	(A,38,28) 220 pF	CCE1044		C 162	(A,19,130) 220 uF/25 V	ACH1482	
C 104	(A,56,28) 220 pF	CCE1044		C 163	(A,38,130) 220 uF/25 V	ACH1482	
C 105	(A,66,28) 220 pF	CCE1044		C 164	(A,87,130) 220 uF/25 V	ACH1482	
				C 165	(A,69,130) 220 uF/25 V	ACH1482	
C 106	(A,83,28) 220 pF	CCE1044					
C 107	(A,93,28) 220 pF	CCE1044		C 166	(A,117,130) 220 uF/25 V	ACH1482	E
C 108	(A,124,19) 220 pF	CCE1044		C 167	(A,135,130) 220 uF/25 V	ACH1482	
C 109	(A,143,19) 220 pF	CCE1044		C 168	(A,185,130) 220 uF/25 V	ACH1482	
C 110	(A,161,19) 220 pF	CCE1044		C 169	(A,167,130) 220 uF/25 V	ACH1482	
				C 170	(A,20,142)	CCSRCH100D50	
C 111	(A,186,22)	CCSRCH470J50					
C 112	(A,166,93)	CEHAZL102M35		C 171	(A,24,142)	CCSRCH100D50	
C 113	(A,125,36) 47 uF/25 V	CCH1712		C 172	(A,38,142)	CCSRCH100D50	
C 114	(A,152,36) 47 uF/25 V	CCH1712		C 173	(A,42,142)	CCSRCH100D50	
C 115	(A,179,36) 47 uF/25 V	CCH1712		C 174	(A,85,142)	CCSRCH100D50	
				C 175	(A,81,142)	CCSRCH100D50	
C 116	(A,181,22)	CCSRCH470J50					
C 117	(A,41,55)	CKSRYB103K50		C 176	(A,69,142)	CCSRCH100D50	F
C 118	(A,44,55)	CKSRYB103K50		C 177	(A,65,142)	CCSRCH100D50	
C 119	(A,68,53)	CKSRYB103K50		C 178	(A,119,142)	CCSRCH100D50	
C 120	(A,73,53)	CKSRYB103K50		C 179	(A,123,142)	CCSRCH100D50	
				C 180	(A,135,142)	CCSRCH100D50	

	1	2	3	4
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
A	C 181 (A,139,142)	CCSRCH100D50	C 241 (A,168,103)	CCSRCH102J50
	C 182 (A,183,142)	CCSRCH100D50	C 242 (A,168,101)	CKSQYF105Z50
	C 183 (A,179,142)	CCSRCH100D50	C 243 (A,13,241)	CFHXSQ101J50
	C 184 (A,167,142)	CCSRCH100D50	C 244 (A,27,247)	CFHXSQ101J50
	C 185 (A,163,142)	CCSRCH100D50	C 245 (A,173,245)	CFHXSQ101J50
	C 186 (A,20,165) 0.47 uF	CCE1045	C 246 (A,190,242)	CFHXSQ101J50
	C 187 (A,86,165) 0.47 uF	CCE1045	C 247 220 pF	CCE1044
	C 188 (A,118,165) 0.47 uF	CCE1045	C 248 220 pF	CCE1044
	C 189 (A,184,165) 0.47 uF	CCE1045	C 249 220 pF	CCE1044
	C 190 (A,19,153) 47 uF/10 V	CCH1549		
B	C 191 (A,43,153) 47 uF/10 V	CCH1549		
	C 192 (A,87,153) 47 uF/10 V	CCH1549		
	C 193 (A,63,153) 47 uF/10 V	CCH1549		
	C 194 (A,117,153) 47 uF/10 V	CCH1549		
	C 195 (A,141,153) 47 uF/10 V	CCH1549		
	C 196 (A,185,153) 47 uF/10 V	CCH1549		
	C 197 (A,161,153) 47 uF/10 V	CCH1549		
	C 198 (A,14,185)	CCSRCH101J50		
	C 199 (A,36,185)	CCSRCH101J50		
	C 200 (A,80,185)	CCSRCH101J50		
C	C 201 (A,58,185)	CCSRCH101J50		
	C 202 (A,112,185)	CCSRCH101J50		
	C 203 (A,134,185)	CCSRCH101J50		
	C 204 (A,177,185)	CCSRCH101J50		
	C 205 (A,155,185)	CCSRCH101J50		
	C 206 (A,20,221) 100 uF/63 V	CCH1952		
	C 207 (A,42,221) 100 uF/63 V	CCH1952		
	C 208 (A,86,221) 100 uF/63 V	CCH1952		
	C 209 (A,64,221) 100 uF/63 V	CCH1952		
	C 210 (A,118,221) 100 uF/63 V	CCH1952		
D	C 211 (A,140,221) 100 uF/63 V	CCH1952		
	C 212 (A,184,221) 100 uF/63 V	CCH1952		
	C 213 (A,162,221) 100 uF/63 V	CCH1952		
	C 214 (A,15,248) 47 uF/25 V	CCH1712		
	C 215 (A,190,249) 47 uF/25 V	CCH1712		
	C 216 (A,15,258) 47 uF/25 V	CCH1712		
	C 217 (A,190,259) 47 uF/25 V	CCH1712		
	C 218 (A,43,257) 4 700 uF/80 V	CCH1956		
	C 219 (A,43,295) 4 700 uF/80 V	CCH1956		
	C 220 (A,66,261) 33 uF/25 V	CCH1951		
	C 221 (A,66,292) 33 uF/25 V	CCH1951		
	C 222 (A,75,256) 220 pF	CCE1044		
	C 223 (A,75,299) 220 pF	CCE1044		
	C 224 (A,65,271) 33 uF/25 V	CCH1951		
	C 225 (A,65,282) 33 uF/25 V	CCH1951		
E	C 226 (A,80,270) 220 pF	CCE1044		
	C 227 (A,80,283) 220 pF	CCE1044		
	C 228 (A,114,261) 470 uF/63 V	CCH1953		
	C 229 (A,114,291) 470 uF/63 V	CCH1953		
	C 230 (A,129,260) 33 uF/25 V	CCH1951		
	C 231 (A,129,293) 33 uF/25 V	CCH1951		
	C 232 (A,138,253) 220 pF	CCE1044		
	C 233 (A,138,300) 220 pF	CCE1044		
	C 234 (A,127,270) 33 uF/25 V	CCH1951		
	C 235 (A,127,282) 33 uF/25 V	CCH1951		
F	C 236 (A,142,270) 220 pF	CCE1044		
	C 237 (A,142,282) 220 pF	CCE1044		
	C 238 (A,177,263) 470 uF/25 V	CCH2011		
	C 239 (A,177,289) 470 uF/25 V	CCH2011		
	C 240 (A,168,104)	CKSRYP104K50		

B
Unit Number : CWH1740
Unit Name : Audio R Unit

MISCELLANEOUS

IC 101 (A,116,36) IC	OPA2134UA
IC 102 (A,143,36) IC	OPA2134UA
IC 103 (A,170,36) IC	OPA2134UA
IC 104 (A,138,97) IC	OPA2134UA
IC 105 (A,154,97) IC	OPA2134UA
IC 106 (A,102,99) LSI	TAD01
IC 107 (A,23,248) IC	OPA2134UA
IC 108 (A,182,249) IC	OPA2134UA
Q 101 (A,180,76) FET	2SK2034
Q 102 (A,180,73) FET	2SK2034
Q 103 (A,180,70) FET	2SK2034
Q 104 (A,180,67) FET	2SK2034
Q 105 (A,180,64) FET	2SK2034
Q 106 (A,180,61) FET	2SK2034
Q 107 (A,175,76) Chip Digital Transistor	DTA124EUA
Q 108 (A,175,73) Chip Digital Transistor	DTA124EUA
Q 109 (A,175,70) Chip Digital Transistor	DTA124EUA
Q 110 (A,175,67) Chip Digital Transistor	DTA124EUA
Q 111 (A,175,64) Chip Digital Transistor	DTA124EUA
Q 112 (A,175,61) Chip Digital Transistor	DTA124EUA
Q 113 (A,35,84) FET	2SK208
Q 114 (A,68,84) FET	2SK208
Q 115 (A,41,84) FET	2SJ106
Q 116 (A,62,84) FET	2SJ106
Q 117 (A,28,138) FET	2SK208
Q 118 (A,78,138) FET	2SK208
Q 119 (A,126,138) FET	2SK208
Q 120 (A,176,138) FET	2SK208
Q 121 (A,34,138) FET	2SJ106
Q 122 (A,72,138) FET	2SJ106
Q 123 (A,132,138) FET	2SJ106
Q 124 (A,170,138) FET	2SJ106
Q 125 (A,16,138) Chip Transistor	2SA1163
Q 126 (A,22,138) Transistor	2SC2713
Q 127 (A,40,138) Chip Transistor	2SA1163
Q 128 (A,46,138) Transistor	2SC2713
Q 129 (A,90,138) Chip Transistor	2SA1163
Q 130 (A,84,138) Transistor	2SC2713
Q 131 (A,66,138) Chip Transistor	2SA1163
Q 132 (A,60,138) Transistor	2SC2713
Q 133 (A,114,138) Chip Transistor	2SA1163
Q 134 (A,120,138) Transistor	2SC2713
Q 135 (A,138,138) Chip Transistor	2SA1163
Q 136 (A,144,138) Transistor	2SC2713

	5	6
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
Q 137	(A,188,138) Chip Transistor	2SA1163
Q 138	(A,182,138) Transistor	2SC2713
Q 139	(A,164,138) Chip Transistor	2SA1163
Q 140	(A,158,138) Transistor	2SC2713
Q 141	(A,16,146) Chip Transistor	2SA1163
Q 142	(A,22,146) Chip Transistor	2SA1163
Q 143	(A,40,146) Transistor	2SC2713
Q 144	(A,46,146) Transistor	2SC2713
Q 145	(A,90,146) Chip Transistor	2SA1163
Q 146	(A,84,146) Chip Transistor	2SA1163
Q 147	(A,66,146) Transistor	2SC2713
Q 148	(A,60,146) Transistor	2SC2713
Q 149	(A,114,146) Chip Transistor	2SA1163
Q 150	(A,120,146) Chip Transistor	2SA1163
Q 151	(A,138,146) Transistor	2SC2713
Q 152	(A,144,146) Transistor	2SC2713
Q 153	(A,188,146) Chip Transistor	2SA1163
Q 154	(A,182,146) Chip Transistor	2SA1163
Q 155	(A,164,146) Transistor	2SC2713
Q 156	(A,158,146) Transistor	2SC2713
Q 157	(A,28,146) Chip Transistor	2SA1163
Q 158	(A,34,146) Transistor	2SC2713
Q 159	(A,78,146) Chip Transistor	2SA1163
Q 160	(A,72,146) Transistor	2SC2713
Q 161	(A,126,146) Chip Transistor	2SA1163
Q 162	(A,132,146) Transistor	2SC2713
Q 163	(A,176,146) Chip Transistor	2SA1163
Q 164	(A,170,146) Transistor	2SC2713
Q 165	(A,30,171) Transistor	2SC2240
Q 166	(A,75,171) Transistor	2SC2240
Q 167	(A,128,171) Transistor	2SC2240
Q 168	(A,174,171) Transistor	2SC2240
Q 169	(A,20,185) Transistor	2SC4883A
Q 170	(A,42,185) Transistor	2SA1859A
Q 171	(A,86,185) Transistor	2SC4883A
Q 172	(A,64,185) Transistor	2SA1859A
Q 173	(A,118,185) Transistor	2SC4883A
Q 174	(A,140,185) Transistor	2SA1859A
Q 175	(A,184,185) Transistor	2SC4883A
Q 176	(A,162,185) Transistor	2SA1859A
Q 177	(A,68,254) Chip Transistor	2SA1163
Q 178	(A,68,300) Transistor	2SC2713
Q 179	(A,77,264) Transistor	2SC2713
Q 180	(A,77,290) Chip Transistor	2SA1163
Q 181	(A,73,267) Transistor	2SC2713
Q 182	(A,73,286) Chip Transistor	2SA1163
Q 183	(A,91,271) Transistor	2SC4883A
Q 184	(A,91,282) Transistor	2SA1859A
Q 185	(A,73,272) Transistor	2SC2713
Q 186	(A,73,281) Transistor	2SC2713
Q 187	(A,130,252) Chip Transistor	2SA1163
Q 188	(A,129,301) Transistor	2SC2713
Q 189	(A,138,262) Transistor	2SC2713
Q 190	(A,138,291) Chip Transistor	2SA1163
Q 191	(A,136,266) Transistor	2SC2713
Q 192	(A,136,286) Chip Transistor	2SA1163
Q 193	(A,154,271) Transistor	2SC4883A
Q 194	(A,154,282) Transistor	2SA1859A
Q 195	(A,136,271) Transistor	2SC2713
Q 196	(A,136,281) Transistor	2SC2713
Q 197	(A,193,101) Transistor	DTC124EUA

	7	8
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
Q 198	(A,189,101) Transistor	DTC124EUA
D 101	(A,186,101) Diode	1SS352
D 102	(A,180,101) Diode	1SS352
D 103	(A,191,104) Diode	1SS352
D 104	(A,188,104) Diode	1SS352
D 105	(A,174,101) Diode	RB751V-40
D 106	(A,176,101) Diode	RB751V-40
D 107	(A,182,101) Diode	RB751V-40
D 108	(A,184,101) Diode	RB751V-40
D 109	(A,40,52) Diode	1SS352
D 110	(A,45,52) Diode	1SS352
D 111	(A,68,51) Diode	1SS352
D 112	(A,73,51) Diode	1SS352
D 113	(A,85,54) Diode	1SS352
D 114	(A,90,54) Diode	1SS352
D 115	(A,124,65) Diode	1SS352
D 116	(A,129,65) Diode	1SS352
D 117	(A,148,65) Diode	1SS352
D 118	(A,153,65) Diode	1SS352
D 119	(A,160,67) Diode	1SS352
D 120	(A,165,67) Diode	1SS352
D 121	(A,13,127) Diode	HZU13(B1)
D 122	(A,43,127) Diode	HZU13(B1)
D 123	(A,92,127) Diode	HZU13(B1)
D 124	(A,63,127) Diode	HZU13(B1)
D 125	(A,112,127) Diode	HZU13(B1)
D 126	(A,141,127) Diode	HZU13(B1)
D 127	(A,190,127) Diode	HZU13(B1)
D 128	(A,161,127) Diode	HZU13(B1)
D 129	(A,24,149) Diode	SML-311WT(HJ)
D 130	(A,38,149) Diode	SML-311WT(HJ)
D 131	(A,82,149) Diode	SML-311WT(HJ)
D 132	(A,68,149) Diode	SML-311WT(HJ)
D 133	(A,122,149) Diode	SML-311WT(HJ)
D 134	(A,136,149) Diode	SML-311WT(HJ)
D 135	(A,180,149) Diode	SML-311WT(HJ)
D 136	(A,166,149) Diode	SML-311WT(HJ)
D 137	(A,72,261) Diode	SML-311WT(HJ)
D 138	(A,72,292) Diode	SML-311WT(HJ)
D 139	(A,70,269) Diode	SML-311WT(HJ)
D 140	(A,70,273) Diode	SML-311WT(HJ)
D 141	(A,70,280) Diode	SML-311WT(HJ)
D 142	(A,70,283) Diode	SML-311WT(HJ)
D 143	(A,133,263) Diode	SML-311WT(HJ)
D 144	(A,133,289) Diode	SML-311WT(HJ)
D 145	(A,133,268) Diode	SML-311WT(HJ)
D 146	(A,133,272) Diode	SML-311WT(HJ)
D 147	(A,133,280) Diode	SML-311WT(HJ)
D 148	(A,133,284) Diode	SML-311WT(HJ)
RY101	(A,33,44) Relay	VSR1008
RY102	(A,61,44) Relay	VSR1008
RY103	(A,88,44) Relay	VSR1008
RY104	(A,116,57) Relay	VSR1008
RY105	(A,140,57) Relay	VSR1008
RY106	(A,162,57) Relay	VSR1008
VR101	(A,48,132) Semi-fixed 1 kohm	CCP1568
VR102	(A,59,132) Semi-fixed 1 kohm	CCP1568
VR103	(A,146,132) Semi-fixed 1 kohm	CCP1568
VR104	(A,157,132) Semi-fixed 1 kohm	CCP1568
VR105	(A,30,161) Semi-fixed 1 kohm	CCP1568

	1	2	3	4
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
	VR106 (A,75,161) Semi-fixed 1 kohm	CCP1568	R 131 (A,164,29) 220 kohm	CCN1266
	VR107 (A,128,161) Semi-fixed 1 kohm	CCP1568	R 132 (A,96,92)	RS1/10SR102J
A	VR108 (A,174,161) Semi-fixed 1 kohm	CCP1568	R 133 (A,99,92)	RS1/10SR102J
	CN101 (A,191,70) Connector	VKN1607	R 134 (A,184,75)	RS1/10SR102J
	CN102 (A,175,108) 8P Top Post	B8B-EH	R 135 (A,184,69)	RS1/10SR102J
	CN103 (A,109,20) Earth Lead Wire	CDE9605	R 136 (A,184,63)	RS1/10SR102J
	CN105 (A,147,108) Connector	B6B-EH	R 137 (A,109,43) 4.7 kohm	CCN1272
	CN106 (A,53,169) 3P Top Post	B3B-EH	R 138 (A,137,43) 4.7 kohm	CCN1272
	CN107 (A,57,235) CONN-Cord	CDE9597	R 139 (A,164,43) 4.7 kohm	CCN1272
	CN108 (A,53,181) 3P Top Post	B3B-EH	R 140 (A,48,55)	RS1/10SR220J
	CN109 (A,151,169) 3P Top Post	B3B-EH	R 141 (A,78,53)	RS1/10SR220J
	CN110 (A,155,235) CONN-Cord	CDE9597	R 142 (A,93,56)	RS1/10SR220J
	CN111 (A,151,181) 3P Top Post	B3B-EH	R 143 (A,120,41)	RN1/16SE1000D
B	CN112 (A,70,309) Connector	CKS6112	R 144 (A,147,41)	RN1/16SE1000D
	CN113 (A,190,295) 3P Top Post	B3B-EH	R 145 (A,174,41)	RN1/16SE1000D
	CN114 (A,190,276) 3P Top Post	B3B-EH	R 146 (A,116,47) 4.7 kohm	CCN1272
	CN116 (A,96,236) Earth Lead Wire	CDE9605	R 147 (A,143,47) 4.7 kohm	CCN1272
	CN118 (A,113,276) Earth Lead Wire	CDE9682	R 148 (A,170,47) 4.7 kohm	CCN1272
	JA101 (A,33,11) Connector	CKM1590	R 149 (A,123,43) 220 kohm	CCN1266
	JA102 (A,61,11) Connector	CKM1590	R 150 (A,150,43) 220 kohm	CCN1266
	JA103 (A,88,11) Connector	CKM1590	R 151 (A,177,43) 220 kohm	CCN1266
	JA104 (A,126,8) Pin Jack	AKB7102	R 152 (A,108,56) 220 ohm	CCN1288
	JA105 (A,144,8) Pin Jack	AKB7102	R 153 (A,124,56) 220 ohm	CCN1288
	JA106 (A,162,8) Pin Jack	AKB7102	R 154 (A,132,56) 220 ohm	CCN1288
C	JA107 (A,180,11) Jack	DKN1124	R 155 (A,148,56) 220 ohm	CCN1288
	KN101 (A,109,3) Terminal	VNE1949	R 156 (A,154,56) 220 ohm	CCN1288
	KN102 (A,90,67) Holder	CND5464	R 157 (A,170,56) 220 ohm	CCN1288

RESISTORS

	R 101 (A,26,34) 1 mohm	CCN1340		
	R 102 (A,39,34) 1 mohm	CCN1340	R 164 (A,168,68)	RS1/10SR220J
	R 103 (A,54,34) 1 mohm	CCN1340	R 165 (A,33,71) 330 ohm	CCN1237
	R 104 (A,67,34) 1 mohm	CCN1340	R 166 (A,64,71) 330 ohm	CCN1237
	R 105 (A,81,34) 1 mohm	CCN1340	R 167 (A,117,102)	RN1/16SE1001D
			R 168 (A,117,99)	RN1/16SE1001D
D	R 106 (A,94,34) 1 mohm	CCN1340	R 169 (A,33,75) 220 kohm	CCN1266
	R 107 (A,124,25) 47 kohm	CCN1258	R 170 (A,64,75) 220 kohm	CCN1266
	R 108 (A,143,25) 47 kohm	CCN1258	R 171 (A,35,81)	RN1/16SE4700D
	R 109 (A,161,25) 47 kohm	CCN1258	R 172 (A,41,81)	RN1/16SE4700D
	R 110 (A,194,113)	RS1/10SR474J	R 173 (A,68,81)	RN1/16SE4700D
	R 111 (A,25,43) 220 ohm	CCN1288	R 174 (A,62,81)	RN1/16SE4700D
	R 112 (A,41,43) 220 ohm	CCN1288	R 175 (A,132,95)	RN1/16SE2203D
	R 113 (A,53,43) 220 ohm	CCN1288	R 176 (A,143,92)	RN1/16SE2203D
	R 114 (A,69,43) 220 ohm	CCN1288	R 177 (A,35,89)	RN1/16SE1000D
	R 115 (A,80,43) 220 ohm	CCN1288	R 178 (A,40,89)	RN1/16SE1000D
E	R 116 (A,96,43) 220 ohm	CCN1288	R 179 (A,67,89)	RN1/16SE1000D
	R 117 (A,194,111)	RS1/10SR474J	R 180 (A,62,89)	RN1/16SE1000D
	R 118 (A,123,29) 220 ohm	CCN1288	R 181 (A,40,91)	RN1/16SE1000D
	R 119 (A,150,29) 220 ohm	CCN1288	R 182 (A,67,91)	RN1/16SE1000D
	R 120 (A,177,29) 220 ohm	CCN1288	R 183 (A,82,84) 220 kohm	CCN1266
	R 121 (A,184,22)	RS1/10SR221J	R 184 (A,77,84) 220 kohm	CCN1266
	R 122 (A,183,22)	RS1/10SR221J	R 185 (A,132,100)	RN1/16SE2203D
	R 123 (A,194,110)	RS1/10SR474J	R 186 (A,145,92)	RN1/16SE2203D
	R 124 (A,194,108)	RS1/10SR474J	R 187 (A,148,97)	RN1/16SE1002D
	R 125 (A,98,92)	RS1/10SR102J	R 188 (A,148,96)	RN1/16SE1002D
	R 126 (A,184,72)	RS1/10SR102J	R 189 (A,148,100)	RN1/16SE4701D
F	R 127 (A,184,66)	RS1/10SR102J	R 190 (A,148,94)	RN1/16SE4701D
	R 128 (A,184,60)	RS1/10SR102J	R 191 (A,105,92)	RS1/10SR103J
	R 129 (A,109,29) 220 kohm	CCN1266	R 192 (A,107,92)	RS1/10SR103J
	R 130 (A,137,29) 220 kohm	CCN1266	R 195 (A,93,92)	RS1/10SR104J

5
Circuit Symbol and No.

6
Part No.

7
Circuit Symbol and No.

8
Part No.

R 196	(A,95,92)	RS1/10SR104J	R 256	(A,68,164) 330 ohm	CCN1345
R 197	(A,110,95)	RS1/10SR103J	R 257	(A,136,164) 330 ohm	CCN1345
R 198	(A,148,101)	RN1/16SE2203D	R 258	(A,166,164) 330 ohm	CCN1345
R 199	(A,29,118) 100 ohm	CCN1230	R 259	(A,12,145)	RN1/16SE1000D
R 200	(A,75,118) 100 ohm	CCN1230	R 260	(A,50,147)	RN1/16SE1000D
R 201	(A,130,118) 100 ohm	CCN1230	R 261	(A,94,147)	RN1/16SE1000D
R 202	(A,176,118) 100 ohm	CCN1230	R 262	(A,56,145)	RN1/16SE1000D
R 203	(A,29,122) 220 kohm	CCN1266	R 263	(A,110,145)	RN1/16SE1000D
R 204	(A,75,122) 220 kohm	CCN1266	R 264	(A,148,147)	RN1/16SE1000D
R 205	(A,130,122) 220 kohm	CCN1266	R 265	(A,192,147)	RN1/16SE1000D
R 206	(A,176,122) 220 kohm	CCN1266	R 266	(A,154,145)	RN1/16SE1000D
R 207	(A,29,134)	RN1/16SE4700D	R 267	(A,28,149)	RN1/16SE1000D
R 208	(A,33,134)	RN1/16SE4700D	R 268	(A,35,149)	RN1/16SE1000D
R 209	(A,77,134)	RN1/16SE4700D	R 269	(A,79,149)	RN1/16SE1000D
R 210	(A,73,134)	RN1/16SE4700D	R 270	(A,72,149)	RN1/16SE1000D
R 211	(A,127,134)	RN1/16SE4700D	R 271	(A,126,149)	RN1/16SE1000D
R 212	(A,131,134)	RN1/16SE4700D	R 272	(A,133,149)	RN1/16SE1000D
R 213	(A,175,134)	RN1/16SE4700D	R 273	(A,177,149)	RN1/16SE1000D
R 214	(A,171,134)	RN1/16SE4700D	R 274	(A,170,149)	RN1/16SE1000D
R 215	(A,50,139)	RN1/16SE2000D	R 275	(A,29,155)	RN1/16SE4702D
R 216	(A,57,139)	RN1/16SE2000D	R 276	(A,33,155)	RN1/16SE4702D
R 217	(A,148,139)	RN1/16SE2000D	R 277	(A,77,155)	RN1/16SE4702D
R 218	(A,155,139)	RN1/16SE2000D	R 278	(A,73,155)	RN1/16SE4702D
R 219	(A,12,137)	RN1/16SE1000D	R 279	(A,127,155)	RN1/16SE4702D
R 220	(A,29,142)	RN1/16SE1000D	R 280	(A,131,155)	RN1/16SE4702D
R 221	(A,33,142)	RN1/16SE1000D	R 281	(A,175,155)	RN1/16SE4702D
R 222	(A,50,137)	RN1/16SE68R0D	R 282	(A,171,155)	RN1/16SE4702D
R 223	(A,94,139)	RN1/16SE1000D	R 283	(A,27,166)	RN1/16SE1501D
R 224	(A,77,142)	RN1/16SE1000D	R 284	(A,30,166)	RN1/16SE1001D
R 225	(A,73,142)	RN1/16SE1000D	R 285	(A,33,166)	RN1/16SE1001D
R 226	(A,57,137)	RN1/16SE68R0D	R 286	(A,78,166)	RN1/16SE1501D
R 227	(A,110,137)	RN1/16SE1000D	R 287	(A,75,166)	RN1/16SE1001D
R 228	(A,127,142)	RN1/16SE1000D	R 288	(A,72,166)	RN1/16SE1001D
R 229	(A,131,142)	RN1/16SE1000D	R 289	(A,125,166)	RN1/16SE1501D
R 230	(A,148,137)	RN1/16SE68R0D	R 290	(A,128,166)	RN1/16SE1001D
R 231	(A,192,139)	RN1/16SE1000D	R 291	(A,131,166)	RN1/16SE1001D
R 232	(A,175,142)	RN1/16SE1000D	R 292	(A,177,166)	RN1/16SE1501D
R 233	(A,171,142)	RN1/16SE1000D	R 293	(A,174,166)	RN1/16SE1001D
R 234	(A,155,137)	RN1/16SE68R0D	R 294	(A,171,166)	RN1/16SE1001D
R 235	(A,43,135)	RN1/16SE1000D	R 295	(A,20,176) 220 ohm	CCN1197
R 236	(A,63,134)	RN1/16SE1000D	R 296	(A,42,176) 220 ohm	CCN1197
R 237	(A,140,134)	RN1/16SE1000D	R 297	(A,86,176) 220 ohm	CCN1197
R 238	(A,161,135)	RN1/16SE1000D	R 298	(A,64,176) 220 ohm	CCN1197
R 239	(A,16,136)	RN1/16SE1000D	R 299	(A,118,176) 220 ohm	CCN1197
R 240	(A,42,164) 100 ohm	CCN1096	R 300	(A,140,176) 220 ohm	CCN1197
R 241	(A,89,135)	RN1/16SE1000D	R 301	(A,184,176) 220 ohm	CCN1197
R 242	(A,63,164) 100 ohm	CCN1096	R 302	(A,162,176) 220 ohm	CCN1197
R 243	(A,116,135)	RN1/16SE1000D	R 303	(A,23,181) 10 ohm	CCN1193
R 244	(A,141,164) 100 ohm	CCN1096	R 304	(A,40,181) 10 ohm	CCN1193
R 245	(A,186,135)	RN1/16SE1000D	R 305	(A,84,181) 10 ohm	CCN1193
R 246	(A,161,164) 100 ohm	CCN1096	R 306	(A,67,181) 10 ohm	CCN1193
R 247	(A,12,130)	RN1/16SE4702D	R 307	(A,121,181) 10 ohm	CCN1193
R 248	(A,48,127)	RN1/16SE4702D	R 308	(A,138,181) 10 ohm	CCN1193
R 249	(A,94,130)	RN1/16SE4702D	R 309	(A,182,180) 10 ohm	CCN1193
R 250	(A,59,127)	RN1/16SE4702D	R 310	(A,165,180) 10 ohm	CCN1193
R 251	(A,110,130)	RN1/16SE4702D	R 311	(A,21,238) 10 kohm	CCN1232
R 252	(A,146,127)	RN1/16SE4702D	R 312	(A,25,238) 10 kohm	CCN1232
R 253	(A,192,130)	RN1/16SE4702D	R 313	(A,180,238) 10 kohm	CCN1232
R 254	(A,157,127)	RN1/16SE4702D	R 314	(A,184,238) 10 kohm	CCN1232
R 255	(A,37,164) 330 ohm	CCN1345	R 315	(A,17,238) 4.7 kohm	CCN1272

5		6	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
C 165	(A,69,130) 220 uF/25 V	ACH1482	
C 166	(A,117,130) 220 uF/25 V	ACH1482	
C 167	(A,135,130) 220 uF/25 V	ACH1482	
C 168	(A,185,130) 220 uF/25 V	ACH1482	
C 169	(A,167,130) 220 uF/25 V	ACH1482	
C 170	(A,20,142)	CCSRCH100D50	
C 171	(A,24,142)	CCSRCH100D50	
C 172	(A,38,142)	CCSRCH100D50	
C 173	(A,42,142)	CCSRCH100D50	
C 174	(A,85,142)	CCSRCH100D50	
C 175	(A,81,142)	CCSRCH100D50	
C 176	(A,69,142)	CCSRCH100D50	
C 177	(A,65,142)	CCSRCH100D50	
C 178	(A,119,142)	CCSRCH100D50	
C 179	(A,123,142)	CCSRCH100D50	
C 180	(A,135,142)	CCSRCH100D50	
C 181	(A,139,142)	CCSRCH100D50	
C 182	(A,183,142)	CCSRCH100D50	
C 183	(A,179,142)	CCSRCH100D50	
C 184	(A,167,142)	CCSRCH100D50	
C 185	(A,163,142)	CCSRCH100D50	
C 186	(A,20,165) 0.47 uF	CCE1045	
C 187	(A,86,165) 0.47 uF	CCE1045	
C 188	(A,118,165) 0.47 uF	CCE1045	
C 189	(A,184,165) 0.47 uF	CCE1045	
C 190	(A,19,153) 47 uF/10 V	CCH1549	
C 191	(A,43,153) 47 uF/10 V	CCH1549	
C 192	(A,87,153) 47 uF/10 V	CCH1549	
C 193	(A,63,153) 47 uF/10 V	CCH1549	
C 194	(A,117,153) 47 uF/10 V	CCH1549	
C 195	(A,141,153) 47 uF/10 V	CCH1549	
C 196	(A,185,153) 47 uF/10 V	CCH1549	
C 197	(A,161,153) 47 uF/10 V	CCH1549	
C 198	(A,14,185)	CCSRCH101J50	
C 199	(A,36,185)	CCSRCH101J50	
C 200	(A,80,185)	CCSRCH101J50	
C 201	(A,58,185)	CCSRCH101J50	
C 202	(A,112,185)	CCSRCH101J50	
C 203	(A,134,185)	CCSRCH101J50	
C 204	(A,177,185)	CCSRCH101J50	
C 205	(A,155,185)	CCSRCH101J50	
C 206	(A,20,221) 100 uF/63 V	CCH1952	
C 207	(A,42,221) 100 uF/63 V	CCH1952	
C 208	(A,86,221) 100 uF/63 V	CCH1952	
C 209	(A,64,221) 100 uF/63 V	CCH1952	
C 210	(A,118,221) 100 uF/63 V	CCH1952	
C 211	(A,140,221) 100 uF/63 V	CCH1952	
C 212	(A,184,221) 100 uF/63 V	CCH1952	
C 213	(A,162,221) 100 uF/63 V	CCH1952	
C 214	(A,15,248) 47 uF/25 V	CCH1712	
C 215	(A,190,249) 47 uF/25 V	CCH1712	
C 216	(A,15,258) 47 uF/25 V	CCH1712	
C 217	(A,190,259) 47 uF/25 V	CCH1712	
C 218	(A,43,257) 4 700 uF/80 V	CCH1956	
C 219	(A,43,295) 4 700 uF/80 V	CCH1956	
C 220	(A,66,261) 33 uF/25 V	CCH1951	
C 221	(A,66,292) 33 uF/25 V	CCH1951	
C 222	(A,75,256) 220 pF	CCE1044	
C 223	(A,75,299) 220 pF	CCE1044	
C 224	(A,65,271) 33 uF/25 V	CCH1951	

7		8	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
C 225	(A,65,282) 33 uF/25 V	CCH1951	
C 226	(A,80,270) 220 pF	CCE1044	
C 227	(A,80,283) 220 pF	CCE1044	
C 228	(A,114,261) 470 uF/63 V	CCH1953	
C 229	(A,114,291) 470 uF/63 V	CCH1953	
C 230	(A,129,260) 33 uF/25 V	CCH1951	
C 231	(A,129,293) 33 uF/25 V	CCH1951	
C 232	(A,138,253) 220 pF	CCE1044	
C 233	(A,138,300) 220 pF	CCE1044	
C 234	(A,127,270) 33 uF/25 V	CCH1951	
C 235	(A,127,282) 33 uF/25 V	CCH1951	
C 236	(A,142,270) 220 pF	CCE1044	
C 237	(A,142,282) 220 pF	CCE1044	
C 238	(A,177,263) 470 uF/25 V	CCH2011	
C 239	(A,177,289) 470 uF/25 V	CCH2011	
C 240	(A,168,104)	CKSRYB104K50	
C 241	(A,168,103)	CCSRCH102J50	
C 242	(A,168,101)	CKSQYF105Z50	
C 243	(A,13,241)	CFHXSQ101J50	
C 244	(A,27,247)	CFHXSQ101J50	
C 245	(A,173,245)	CFHXSQ101J50	
C 246	(A,190,242)	CFHXSQ101J50	
C 247	220 pF	CCE1044	
C 248	220 pF	CCE1044	
C 249	220 pF	CCE1044	

Digital Unit
Consists of
FPKB Unit
AOUT Unit L
AOUT Unit R
SWLB Unit
SWRB Unit
VR Unit
FNC Unit

C D E F G H I
Unit Number : CWX4159
Unit Name : Digital Unit

MISCELLANEOUS

IC 2001	(B,190,49) Regulator IC	S-1170B33UC-OTS
IC 2101	(A,210,36) CPU	LC87F5CC8A-QIP
IC 2102	(B,49,54) IC	BD4850G
IC 2103	(A,191,41) IC	TC7SET04FUS1
IC 2104	(B,227,23) EEPROM	BR24L64F-W
IC 3101	(B,169,46) IC	TB62747AFNG
IC 3111	(B,143,46) IC	TB62747AFNG
IC 3121	(B,101,46) IC	TB62747AFNG
IC 3131	(B,75,46) IC	TB62747AFNG
IC 3201	(B,123,28) Remote IC	GP1UXC14RK
Q 501	(A,125,44) FET	2SK2034
Q 502	(A,154,44) FET	2SK2034
Q 503	(A,31,48) FET	2SK2034
Q 504	(A,58,46) FET	2SK2034
Q 505	(A,89,44) FET	2SK2034
Q 506	(A,108,44) FET	2SK2034
Q 507	(A,121,44) Chip Digital Transistor	DTA124EUA

1

2

3

4

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

Q 508 (A,150,44) Chip Digital Transistor DTA124EUA
 Q 509 (A,16,47) Chip Digital Transistor DTA124EUA
 Q 510 (A,42,47) Chip Digital Transistor DTA124EUA

D 3121 (B,108,30) LED
 D 3122 (B,95,30) LED
 D 3131 (B,83,30) LED

NAY161-C-H
 NAY161-C-H
 NAY161-C-H

A

Q 511 (A,85,44) Chip Digital Transistor DTA124EUA
 Q 512 (A,104,44) Chip Digital Transistor DTA124EUA
 Q 601 (A,125,44) FET 2SK2034
 Q 602 (A,154,44) FET 2SK2034
 Q 603 (A,31,48) FET 2SK2034

D 3132 (B,70,30) LED
 D 3301 (B,223,32) Diode
 D 3302 (B,226,32) Diode
 D 3303 (B,215,30) Diode
 D 3304 (B,217,30) Diode

NAY161-C-H
 RB160M-60
 RB160M-60
 RB160M-60
 RB160M-60

Q 604 (A,58,46) FET 2SK2034
 Q 605 (A,89,44) FET 2SK2034
 Q 606 (A,108,44) FET 2SK2034
 Q 607 (A,121,44) Chip Digital Transistor DTA124EUA
 Q 608 (A,150,44) Chip Digital Transistor DTA124EUA

D 3305 (B,228,39) Diode
 D 3306 (B,225,39) Diode
 D 3307 (B,217,39) Diode
 D 3308 (B,215,39) Diode
 D 3309 (B,26,39) Diode

RB160M-60
 RB160M-60
 RB160M-60
 RB160M-60
 RB160M-60

B

Q 609 (A,16,47) Chip Digital Transistor DTA124EUA
 Q 610 (A,42,47) Chip Digital Transistor DTA124EUA
 Q 611 (A,85,44) Chip Digital Transistor DTA124EUA
 Q 612 (A,104,44) Chip Digital Transistor DTA124EUA
 Q 2101 (A,77,61) Transistor DTC124EUA

D 3310 (B,28,39) Diode
 D 3311 (B,16,39) Diode
 D 3312 (B,18,39) Diode
 D 3313 (B,19,30) Diode
 D 3314 (B,16,30) Diode

RB160M-60
 RB160M-60
 RB160M-60
 RB160M-60
 RB160M-60

Q 2102 (A,72,61) Transistor DTC124EUA
 Q 2103 (A,149,58) Chip Digital Transistor DTA124EUA
 Q 2104 (A,141,58) Photocoupler TLP181
 Q 2105 (A,149,61) Chip Digital Transistor DTA124EUA
 Q 2106 (A,141,63) Photocoupler TLP181

D 3315 (B,28,30) Diode
 D 3316 (B,26,30) Diode
 D 3501 (B,38,11) LED
 RY501 (A,24,38) Relay
 RY502 (A,51,38) Relay

RB160M-60
 RB160M-60
 SML-020MLT
 VSR1008
 VSR1008

C

Q 2107 (A,199,20) Transistor 2SC4081
 Q 2108 (A,223,40) Transistor 2SC4081
 Q 2109 (A,67,61) Transistor DTC124EUA
 D 501 (A,22,48) Diode 1SS352
 D 502 (A,26,48) Diode 1SS352

RY503 (A,79,32) Relay
 RY504 (A,98,32) Relay
 RY505 (A,125,30) Relay
 RY506 (A,153,30) Relay
 RY601 (A,24,38) Relay

VSR1008
 VSR1008
 VSR1008
 VSR1008
 VSR1008

D 503 (A,47,48) Diode 1SS352
 D 504 (A,51,48) Diode 1SS352
 D 505 (A,77,44) Diode 1SS352
 D 506 (A,81,44) Diode 1SS352
 D 507 (A,96,44) Diode 1SS352

RY602 (A,51,38) Relay
 RY603 (A,79,32) Relay
 RY604 (A,98,32) Relay
 RY605 (A,125,30) Relay
 RY606 (A,153,30) Relay

VSR1008
 VSR1008
 VSR1008
 VSR1008
 VSR1008

D

D 508 (A,100,44) Diode 1SS352
 D 509 (A,123,42) Diode 1SS352
 D 510 (A,127,42) Diode 1SS352
 D 511 (A,152,42) Diode 1SS352
 D 512 (A,156,42) Diode 1SS352

X 2101 (A,190,46) Oscillator 10 MHz CWX3886
 S 3501 (B,33,26) Push Switch CSG1155
 S 3502 (B,7,26) Push Switch CSG1155
 S 3503 (B,7,5) Push Switch CSG1155
 S 3504 (B,33,5) Push Switch CSG1155

D 601 (A,22,48) Diode 1SS352
 D 602 (A,26,48) Diode 1SS352
 D 603 (A,47,48) Diode 1SS352
 D 604 (A,51,48) Diode 1SS352
 D 605 (A,77,44) Diode 1SS352

S 3601 (B,9,26) Push Switch CSG1155
 S 3602 (B,35,26) Push Switch CSG1155
 S 3603 (B,35,5) Push Switch CSG1155
 S 3604 (B,9,5) Push Switch CSG1155
 S 4001 (A,22,14) Rotary Encoder ASX7037

D 606 (A,81,44) Diode 1SS352
 D 607 (A,96,44) Diode 1SS352
 D 608 (A,100,44) Diode 1SS352
 D 609 (A,123,42) Diode 1SS352
 D 610 (A,127,42) Diode 1SS352

S 5001 (A,19,17) Rotary Switch CSD1175
 CN501 (A,36,82) 5P Top Post B5B-EH
 CN502 (A,59,82) 5P Top Post B5B-EH
 CN503 (A,112,82) 5P Top Post B5B-EH
 CN504 (A,133,82) 8P Top Post B8B-EH

E

D 611 (A,152,42) Diode 1SS352
 D 612 (A,156,42) Diode 1SS352
 D 2001 (A,62,60) Diode RB160M-60
 D 2002 (A,62,58) Diode RB160M-60
 D 2003 (A,27,31) Diode RB160M-60

CN505 (A,168,27) Connector CKS6112
 CN506 (A,168,66) Connector CKS6112
 CN601 (A,36,82) 5P Top Post B5B-EH
 CN602 (A,59,82) 5P Top Post B5B-EH
 CN603 (A,112,82) 5P Top Post B5B-EH

D 2004 (A,60,54) Diode RB160M-60
 D 2101 (B,217,47) Diode RB160M-60
 D 2102 (B,219,47) Diode RB160M-60
 D 3101 (B,176,30) LED NAY161-C-H
 D 3102 (B,163,30) LED NAY161-C-H

CN604 (A,133,82) 8P Top Post B8B-EH
 CN605 (A,10,64) Connector CKS6112
 CN2001 (A,49,63) Connector CKS6113
 CN2002 (A,28,65) Connector B4B-EH
 CN2003 (A,70,65) 5P Top Post B5B-EH

F

D 3111 (B,151,30) LED NAY161-C-H
 D 3112 (B,138,30) LED NAY161-C-H

CN2004 (A,227,58) Connector VKN1607
 CN2005 (A,109,58) Connector VKN1607

1

2

3

4

5		6		7		8	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
CN2006	(A,221,11) Connector	B6B-EH		R 605	(A,17,38) 100 kohm	CCN1259	
CN2007	(A,238,33) Connector	CKS3849		R 606	(A,32,38) 100 kohm	CCN1259	
CN2008	(A,8,33) Connector	CKS3849		R 607	(A,44,38) 100 kohm	CCN1259	
CN2009	(A,30,11) Connector	B6B-EH		R 608	(A,59,38) 100 kohm	CCN1259	A
CN2101	(A,165,65) Connector	CKS3849		R 609	(A,67,32) 100 kohm	CCN1259	
CN3501	(A,28,16) Connector	CKS3849		R 610	(A,86,32) 100 kohm	CCN1259	
CN3601	(A,13,16) Connector	CKS3849		R 611	(A,117,38) 100 kohm	CCN1259	
CN4001	(B,5,11) 5P Top Post	B5B-EH		R 612	(A,132,38) 100 kohm	CCN1259	
CN5001	(A,42,14) 5P Top Post	B5B-EH		R 613	(A,145,30) 100 kohm	CCN1259	
JA501	(A,72,7) Pin Jack	AKB7102		R 614	(A,13,38) 330 ohm	CCN1237	
JA502	(A,90,7) Pin Jack	AKB7102		R 615	(A,36,38) 330 ohm	CCN1237	
JA503	(A,149,7) Pin Jack	AKB7102		R 616	(A,40,38) 330 ohm	CCN1237	
JA504	(A,20,2) Connector	DKN1551		R 617	(A,63,38) 330 ohm	CCN1237	
JA505	(A,48,2) Connector	DKN1551		R 618	(A,72,32) 330 ohm	CCN1237	B
JA506	(A,125,2) Connector	DKN1551		R 619	(A,91,32) 330 ohm	CCN1237	
JA601	(A,72,7) Pin Jack	AKB7102		R 620	(A,113,38) 330 ohm	CCN1237	
JA602	(A,90,7) Pin Jack	AKB7102		R 621	(A,136,38) 330 ohm	CCN1237	
JA603	(A,149,7) Pin Jack	AKB7102		R 622	(A,141,30) 330 ohm	CCN1237	
JA604	(A,20,2) Connector	DKN1551		R 623	(A,19,47)	RS1/10SR220J	
JA605	(A,48,2) Connector	DKN1551		R 624	(A,45,46)	RS1/10SR220J	
JA606	(A,125,2) Connector	DKN1551		R 625	(A,74,43)	RS1/10SR220J	
KN501	(A,106,2) Terminal	VNE1949		R 626	(A,93,43)	RS1/10SR220J	
KN502	(A,11,76) Terminal	VNF1084		R 627	(A,120,41)	RS1/10SR220J	
KN601	(A,106,2) Terminal	VNE1949		R 628	(A,149,41)	RS1/10SR220J	
KN602	(A,11,76) Terminal	VNF1084		R 2001	(A,114,64)	RS1/10SR220J	C

RESISTORS

R 501	(A,128,44)	RS1/10SR102J		R 2002	(A,114,63)	RS1/10SR220J	
R 502	(A,157,44)	RS1/10SR102J		R 2003	(A,117,62)	RS1/10SR220J	
R 503	(A,96,54)	RS1/10SR102J		R 2004	(B,111,61)	RS1/10SR220J	
R 504	(A,112,53)	RS1/10SR102J		R 2005	(B,108,60)	RS1/10SR220J	
R 505	(A,17,38) 100 kohm	CCN1259		R 2006	(B,111,59)	RS1/10SR220J	
R 506	(A,32,38) 100 kohm	CCN1259		R 2007	(B,108,58)	RS1/10SR220J	
R 507	(A,44,38) 100 kohm	CCN1259		R 2008	(B,111,57)	RS1/10SR220J	
R 508	(A,59,38) 100 kohm	CCN1259		R 2009	(B,108,56)	RS1/10SR220J	
R 509	(A,67,32) 100 kohm	CCN1259		R 2010	(B,111,55)	RS1/10SR220J	
R 510	(A,86,32) 100 kohm	CCN1259		R 2011	(A,117,54)	RS1/10SR220J	
R 511	(A,117,38) 100 kohm	CCN1259		R 2012	(A,114,53)	RS1/10SR220J	D
R 512	(A,132,38) 100 kohm	CCN1259		R 2013	(B,111,51)	RS1/10SR220J	
R 513	(A,145,30) 100 kohm	CCN1259		R 2014	(B,114,50)	RS1/10SR220J	
R 514	(A,13,38) 330 ohm	CCN1237		R 2021	(A,221,62)	RS1/10SR220J	
R 515	(A,36,38) 330 ohm	CCN1237		R 2022	(A,222,60)	RS1/10SR220J	
R 516	(A,40,38) 330 ohm	CCN1237		R 2023	(A,222,59)	RS1/10SR220J	
R 517	(A,63,38) 330 ohm	CCN1237		R 2024	(B,225,61)	RS1/10SR220J	
R 518	(A,72,32) 330 ohm	CCN1237		R 2025	(B,230,56)	RS1/10SR220J	
R 519	(A,91,32) 330 ohm	CCN1237		R 2026	(B,225,58)	RS1/10SR220J	
R 520	(A,113,38) 330 ohm	CCN1237		R 2027	(B,227,57)	RS1/10SR220J	
R 521	(A,136,38) 330 ohm	CCN1237		R 2028	(B,225,55)	RS1/10SR220J	
R 522	(A,141,30) 330 ohm	CCN1237		R 2029	(A,222,57)	RS1/10SR220J	E
R 523	(A,19,47)	RS1/10SR220J		R 2030	(A,222,55)	RS1/10SR220J	
R 524	(A,45,46)	RS1/10SR220J		R 2031	(A,222,54)	RS1/10SR220J	
R 525	(A,74,43)	RS1/10SR220J		R 2032	(A,232,52)	RS1/10SR220J	
R 526	(A,93,43)	RS1/10SR220J		R 2033	(B,222,50)	RS1/10SR220J	
R 527	(A,120,41)	RS1/10SR220J		R 2034	(A,222,51)	RS1/10SR220J	
R 528	(A,149,41)	RS1/10SR220J		R 2035	(A,222,49)	RS1/10SR0R0J	
R 601	(A,128,44)	RS1/10SR102J		R 2038	(B,189,45)	RS1/10SR103J	
R 602	(A,157,44)	RS1/10SR102J		R 2101	(A,196,35)	RS1/10SR473J	
R 603	(A,96,54)	RS1/10SR102J		R 2102	(A,197,46)	RS1/10SR473J	
R 604	(A,112,53)	RS1/10SR102J		R 2103	(A,196,42)	RS1/10SR220J	
				R 2104	(A,193,43)	RS1/10SR473J	F
				R 2105	(A,190,43)	RS1/10SR220J	
				R 2107	(A,197,20)	RS1/10SR220J	

1

2

3

4

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

R 2108	(A,202,17)	RS1/10SR472J	R 2302	(A,24,16)	RS1/10SR220J
R 2109	(A,196,31)	RS1/10SR220J	R 2303	(A,40,16)	RS1/10SR220J
R 2110	(A,193,30)	RS1/10SR220J	R 2304	(A,27,16)	RS1/10SR203J
A					
R 2111	(A,196,29)	RS1/10SR220J	R 3101	(B,167,51)	RS1/10SR202J
R 2112	(A,193,28)	RS1/10SR220J	R 3111	(B,142,51)	RS1/10SR202J
R 2113	(A,196,27)	RS1/10SR220J	R 3121	(B,99,51)	RS1/10SR202J
R 2114	(A,193,26)	RS1/10SR220J	R 3131	(B,74,51)	RS1/10SR202J
R 2115	(A,196,25)	RS1/10SR220J	R 3201	(A,127,16)	RS1/10SR220J
■					
R 2116	(A,203,17)	RS1/10SR202J	R 3301	(B,221,33)	RS1/10SR474J
R 2117	(A,189,28)	RS1/10SR473J	R 3305	(B,213,31)	RS1/10SR474J
R 2118	(A,189,29)	RS1/10SR473J	R 3309	(B,230,40)	RS1/10SR474J
R 2119	(A,189,31)	RS1/10SR473J	R 3313	(B,219,40)	RS1/10SR474J
R 2120	(A,202,21)	RS1/10SR220J	R 3315	(B,230,33)	RS1/10SR220J
B					
R 2121	(A,205,20)	RS1/10SR220J	R 3316	(B,231,31)	RS1/10SR220J
R 2122	(A,206,20)	RS1/10SR220J	R 3317	(B,230,37)	RS1/10SR220J
R 2123	(A,211,20)	RS1/10SR220J	R 3318	(B,231,40)	RS1/10SR220J
R 2124	(A,212,20)	RS1/10SR220J	R 3321	(B,24,40)	RS1/10SR474J
R 2125	(A,205,17)	RS1/10SR473J	R 3325	(B,14,40)	RS1/10SR474J
■					
R 2126	(A,214,17)	RS1/10SR473J	R 3329	(B,21,31)	RS1/10SR474J
R 2128	(A,206,17)	RS1/10SR473J	R 3333	(B,30,31)	RS1/10SR474J
R 2129	(A,215,17)	RS1/10SR473J	R 3335	(B,10,37)	RS1/10SR220J
R 2131	(B,221,21)	RS1/10SR220J	R 3336	(B,10,35)	RS1/10SR220J
R 2132	(B,221,23)	RS1/10SR220J	R 3337	(B,10,34)	RS1/10SR220J
C					
R 2133	(A,225,32)	RS1/10SR220J	R 3338	(B,10,32)	RS1/10SR220J
R 2134	(A,223,33)	RS1/10SR220J	R 3501	(B,28,21)	RS1/10SR220J
R 2135	(A,225,34)	RS1/10SR220J	R 3502	(B,27,21)	RS1/10SR220J
R 2136	(A,223,35)	RS1/10SR220J	R 3503	(B,26,15)	RS1/10SR220J
R 2137	(A,225,36)	RS1/10SR220J	R 3504	(B,27,12)	RS1/10SR220J
■					
R 2138	(A,223,37)	RS1/10SR220J	R 3505	(B,32,8)	RS1/10SR182J
R 2139	(A,223,46)	RS1/10SR472J	R 3506	(B,32,9)	RS1/10SR471J
R 2140	(A,223,42)	RS1/10SR220J	R 3601	(B,13,21)	RS1/10SR220J
R 2141	(A,217,52)	RS1/10SR220J	R 3602	(B,15,21)	RS1/10SR220J
R 2142	(A,215,52)	RS1/10SR220J	R 3603	(B,15,13)	RS1/10SR220J
D					
R 2143	(A,214,52)	RS1/10SR220J	R 3604	(B,13,13)	RS1/10SR220J
R 2144	(A,209,52)	RS1/10SR220J	R 5001	(A,37,5)	RS1/10SR102J
R 2145	(A,204,52)	RS1/10SR220J	R 5002	(A,37,7)	RS1/10SR102J
R 2146	(A,202,52)	RS1/10SR220J	R 5003	(A,37,8)	RS1/10SR102J
R 2147	(A,206,53)	RS1/10SR103J	R 5004	(A,37,10)	RS1/10SR102J
■					
R 2148	(A,215,20)	RS1/10SR473J	R 5005	(A,37,12)	RS1/10SR102J
R 2149	(A,201,52)	RS1/10SR473J	R 5006	(A,37,14)	RS1/10SR102J
R 2151	(B,52,54)	RS1/10SR473J	R 5007	(A,37,15)	RS1/10SR102J
R 2152	(B,53,54)	RS1/10SR221J	R 5008	(A,37,17)	RS1/10SR102J
R 2153	(A,190,49)	RS1/10SR103J	R 5009	(A,37,19)	RS1/10SR102J
E					
R 2154	(A,203,20)	RS1/10SR220J	R 5010	(A,37,21)	RS1/10SR102J
R 2165	(A,165,60)	RS1/10SR220J	R 5011	(A,37,22)	RS1/10SR102J
R 2166	(A,163,60)	RS1/10SR220J	R 5012	(A,37,24)	RS1/10SR102J
R 2167	(A,162,60)	RS1/10SR220J	R 5013	(A,42,24)	RS1/10SR104J
R 2168	(A,160,60)	RS1/10SR220J			
■					
R 2169	(A,78,59)	RS1/10SR220J			
R 2170	(A,73,59)	RS1/10SR220J			
R 2171	(B,222,25)	RS1/10SR103J			
R 2172	(B,219,25)	RS1/10SR103J			
R 2173	(A,149,56)	RS1/10SR103J			
F					
R 2174	(A,153,58)	RS1/10SR103J			
R 2175	(A,68,59)	RS1/10SR220J			
R 2177	(A,192,39)	RS1/10SR220J			
R 2201	(A,221,17)	RS1/10SR203J			
R 2202	(A,219,17)	RS1/10SR220J			
R 2203	(A,224,17)	RS1/10SR220J			
R 2301	(A,26,16)	RS1/10SR203J			

CAPACITORS

C 501	(A,167,49)	CEHAZL102M35
C 502	(A,25,65) 2.2 uF	CCE1041
C 503	(A,41,65) 2.2 uF	CCE1041
C 504	(A,57,65) 2.2 uF	CCE1041
C 505	(A,73,65) 2.2 uF	CCE1041
C 506	(A,89,65) 2.2 uF	CCE1041
C 507	(A,105,65) 2.2 uF	CCE1041
C 508	(A,122,71) 47 uF/50 V	VCH1261
C 509	(A,133,71) 47 uF/50 V	VCH1261
C 510	(A,145,71) 47 uF/50 V	VCH1261

5			6	7			8
<u>Circuit Symbol and No.</u>			<u>Part No.</u>	<u>Circuit Symbol and No.</u>			<u>Part No.</u>
C 511	(A,122,60)	47 uF/50 V	VCH1261	C 627	(A,28,26)	220 pF	CCE1044
C 512	(A,133,60)	47 uF/50 V	VCH1261	C 628	(A,48,26)	220 pF	CCE1044
C 513	(A,145,60)	47 uF/50 V	VCH1261	C 629	(A,57,26)	220 pF	CCE1044
C 514	(A,22,46)		CKSRYB103K50	C 630	(A,115,26)	220 pF	CCE1044
C 515	(A,26,46)		CKSRYB103K50	C 631	(A,135,26)	220 pF	CCE1044
C 516	(A,48,46)		CKSRYB103K50	C 632	(A,71,20)	220 pF	CCE1044
C 517	(A,52,46)		CKSRYB103K50	C 633	(A,89,20)	220 pF	CCE1044
C 518	(A,77,42)		CKSRYB103K50	C 634	(A,152,19)	220 pF	CCE1044
C 519	(A,81,42)		CKSRYB103K50	C 641	(A,12,52)		CKSQYF105Z50
C 520	(A,96,42)		CKSRYB103K50	C 642	(A,14,52)		CKSRYB104K50
C 521	(A,100,42)		CKSRYB103K50	C 643	(A,15,52)		CKSRYB102K50
C 522	(A,123,40)		CKSRYB103K50	C 644	(A,159,50)		CKSQYF105Z50
C 523	(A,127,40)		CKSRYB103K50	C 645	(A,157,50)		CKSRYB104K50
C 524	(A,152,40)		CKSRYB103K50	C 646	(A,156,50)		CKSRYB102K50
C 525	(A,156,40)		CKSRYB103K50	C 647	(A,155,65)		CCSRCH101J50
C 526	(A,20,26)	220 pF	CCE1044	C 648	(A,156,69)		CCSRCH101J50
C 527	(A,28,26)	220 pF	CCE1044	C 649	(A,153,57)		CCSRCH101J50
C 528	(A,48,26)	220 pF	CCE1044	C 650	(A,154,61)		CCSRCH101J50
C 529	(A,57,26)	220 pF	CCE1044	C 2001	(A,85,62)	560 uF/6.3 V	VCH1279
C 530	(A,115,26)	220 pF	CCE1044	C 2002	(A,99,66)		CKSRYB105K16
C 531	(A,135,26)	220 pF	CCE1044	C 2003	(A,101,66)		CKSRYB104K50
C 532	(A,71,20)	220 pF	CCE1044	C 2004	(A,102,66)		CCSRCH102J50
C 533	(A,89,20)	220 pF	CCE1044	C 2005	(A,220,66)		CKSRYB105K16
C 534	(A,152,19)	220 pF	CCE1044	C 2006	(A,222,66)		CKSRYB104K50
C 541	(A,159,50)		CKSQYF105Z50	C 2007	(A,223,66)		CCSRCH102J50
C 542	(A,157,50)		CKSRYB104K50	C 2011	(A,104,64)		CCSRCH101J50
C 543	(A,156,50)		CKSRYB102K50	C 2012	(A,104,63)		CCSRCH101J50
C 544	(A,162,75)		CKSQYF105Z50	C 2013	(A,104,61)		CCSRCH101J50
C 545	(A,160,75)		CKSRYB104K50	C 2021	(A,221,63)		CCSRCH101J50
C 546	(A,158,75)		CKSRYB102K50	C 2022	(A,232,63)		CCSRCH101J50
C 547	(A,155,65)		CCSRCH101J50	C 2023	(A,232,62)		CCSRCH101J50
C 548	(A,156,69)		CCSRCH101J50	C 2031	(A,173,66)		CKSRYB105K16
C 549	(A,153,57)		CCSRCH101J50	C 2032	(A,171,66)		CCSRCH102J50
C 550	(A,154,61)		CCSRCH101J50	C 2033	(A,20,51)		CEHVAW471M16
C 601	(A,168,49)		CEHAZL102M35	C 2034	(A,20,40)	560 uF/6.3 V	VCH1279
C 602	(A,25,65)	2.2 uF	CCE1041	C 2035	(A,22,34)		CKSRYB105K16
C 603	(A,41,65)	2.2 uF	CCE1041	C 2036	(A,22,33)		CKSRYB104K50
C 604	(A,57,65)	2.2 uF	CCE1041	C 2037	(A,22,31)		CCSRCH102J50
C 605	(A,73,65)	2.2 uF	CCE1041	C 2038	(A,51,51)		CEHVAW471M16
C 606	(A,89,65)	2.2 uF	CCE1041	C 2039	(A,51,40)	560 uF/6.3 V	VCH1279
C 607	(A,105,65)	2.2 uF	CCE1041	C 2040	(A,60,49)		CKSRYB105K16
C 608	(A,122,71)	47 uF/50 V	VCH1261	C 2041	(A,60,50)		CKSRYB104K50
C 609	(A,133,71)	47 uF/50 V	VCH1261	C 2042	(A,60,52)		CCSRCH102J50
C 610	(A,145,71)	47 uF/50 V	VCH1261	C 2043	(A,36,51)		CEHVAW471M16
C 611	(A,122,60)	47 uF/50 V	VCH1261	C 2044	(A,36,40)	560 uF/6.3 V	VCH1279
C 612	(A,133,60)	47 uF/50 V	VCH1261	C 2045	(A,42,36)		CKSRYB105K16
C 613	(A,145,60)	47 uF/50 V	VCH1261	C 2046	(A,44,36)		CKSRYB104K50
C 614	(A,22,46)		CKSRYB103K50	C 2047	(A,45,36)		CCSRCH102J50
C 615	(A,26,46)		CKSRYB103K50	C 2048	(B,192,45)		CCSRCH102J50
C 616	(A,48,46)		CKSRYB103K50	C 2049	(A,193,62)	560 uF/6.3 V	VCH1279
C 617	(A,52,46)		CKSRYB103K50	C 2050	(B,191,54)		CKSRYB105K16
C 618	(A,77,42)		CKSRYB103K50	C 2051	(A,190,55)		CKSRYB105K16
C 619	(A,81,42)		CKSRYB103K50	C 2052	(A,36,58)		CKSRYB104K50
C 620	(A,96,42)		CKSRYB103K50	C 2101	(A,215,62)	560 uF/6.3 V	VCH1279
C 621	(A,100,42)		CKSRYB103K50	C 2102	(A,211,56)		CKSRYB105K16
C 622	(A,123,40)		CKSRYB103K50	C 2103	(A,211,54)		CKSRYB104K50
C 623	(A,127,40)		CKSRYB103K50	C 2104	(A,211,53)		CCSRCH102J50
C 624	(A,152,40)		CKSRYB103K50	C 2105	(A,211,51)		CCSRCH101J50
C 625	(A,156,40)		CKSRYB103K50	C 2108	(A,191,37)		CKSRYB105K16
C 626	(A,20,26)	220 pF	CCE1044	C 2109	(A,193,37)		CKSRYB104K50

	1	2	3	4
	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
	C 2110 (A,194,37)	CCSRCH102J50	C 3121 (A,89,49) 560 uF/6.3 V	VCH1279
	C 2111 (A,196,37)	CCSRCH101J50	C 3122 (B,91,50)	CKSRYPB105K16
	C 2112 (A,223,43)	CKSRYPB104K50	C 3123 (B,93,50)	CKSRYPB104K50
A	C 2114 (A,208,21)	CCSRCH101J50	C 3124 (B,94,50)	CCSRCH102J50
	C 2115 (A,208,19)	CCSRCH102J50	C 3131 (A,69,49) 560 uF/6.3 V	VCH1279
	C 2116 (A,208,18)	CKSRYPB104K50	C 3132 (B,66,50)	CKSRYPB105K16
	C 2117 (A,208,16)	CKSRYPB105K16	C 3133 (B,67,50)	CKSRYPB104K50
	C 2118 (A,227,30)	CKSRYPB105K16	C 3134 (B,69,50)	CCSRCH102J50
	C 2119 (A,225,30)	CKSRYPB104K50	C 3201 (A,51,14)	CEHVAW471M16
	C 2120 (A,224,30)	CCSRCH102J50	C 3202 (A,110,13) 560 uF/6.3 V	VCH1279
	C 2121 (A,222,30)	CCSRCH101J50	C 3203 (A,118,15)	CKSRYPB105K16
	C 2122 (B,44,54)	CKSRYPB105K16	C 3204 (A,120,15)	CKSRYPB104K50
	C 2123 (B,46,54)	CCSRCH102J50	C 3205 (A,121,15)	CCSRCH102J50
	C 2124 (A,190,54)	CKSRYPB104K50	C 3301 (B,228,31)	CCSRCH471J50
B	C 2125 (A,190,52)	CCSRCH102J50	C 3302 (B,219,29)	CCSRCH471J50
	C 2126 (A,190,51)	CCSRCH101J50	C 3303 (B,223,38)	CCSRCH471J50
	C 2127 (A,182,51) 560 uF/6.3 V	VCH1279	C 3304 (B,213,38)	CCSRCH471J50
	C 2128 (B,196,45)	CKSRYPB103K50	C 3305 (A,182,13) 560 uF/6.3 V	VCH1279
	C 2129 (A,204,61)	CEHVAW471M16	C 3306 (A,233,25)	CKSRYPB105K16
	C 2130 (A,180,62)	CEHVAW471M16	C 3307 (A,235,25)	CKSRYPB104K50
	C 2133 (B,226,27)	CKSRYPB105K16	C 3308 (A,236,25)	CCSRCH102J50
	C 2134 (B,225,27)	CCSRCH102J50	C 3309 (A,227,23) 560 uF/6.3 V	VCH1279
	C 2135 (B,223,27)	CCSRCH101J50	C 3310 (A,231,29)	CKSRYPB105K16
	C 2136 (A,146,58)	CCSRCH470J50	C 3311 (A,231,30)	CKSRYPB104K50
	C 2137 (A,135,58)	CCSRCH470J50	C 3312 (A,231,32)	CCSRCH102J50
C	C 2138 (B,221,47)	CCSRCH470J50	C 3313 (A,233,20)	CKSRYPB104K50
	C 2139 (A,146,63)	CCSRCH101J50	C 3321 (B,30,38)	CCSRCH471J50
	C 2140 (A,135,63)	CCSRCH101J50	C 3322 (B,20,38)	CCSRCH471J50
	C 2141 (B,223,46)	CCSRCH101J50	C 3323 (B,14,29)	CCSRCH471J50
	C 2142 (A,194,40)	CKSRYPB105K16	C 3324 (B,24,29)	CCSRCH471J50
	C 2143 (A,196,40)	CCSRCH102J50	C 3326 (A,125,43)	CKSRYPB105K16
	C 2144 (A,197,40)	CCSRCH101J50	C 3327 (A,123,43)	CKSRYPB104K50
	C 2201 (A,195,13) 560 uF/6.3 V	VCH1279	C 3328 (A,122,43)	CCSRCH102J50
	C 2202 (A,202,13)	CKSRYPB105K16	C 3329 (A,34,21) 560 uF/6.3 V	VCH1279
	C 2203 (A,203,13)	CKSRYPB104K50	C 3330 (A,155,67)	CKSRYPB105K16
D	C 2204 (A,205,13)	CCSRCH102J50	C 3331 (A,153,63)	CKSRYPB104K50
	C 2205 (A,226,17)	CCSRCH471J50	C 3332 (A,152,63)	CCSRCH102J50
	C 2206 (A,208,10)	CKSRYPB105K16	C 3501 (B,29,26)	CCSRCH471J50
	C 2207 (A,209,10)	CKSRYPB104K50	C 3502 (B,11,26)	CCSRCH471J50
	C 2208 (A,211,10)	CCSRCH102J50	C 3503 (B,11,5)	CCSRCH471J50
	C 2301 (A,28,20)	CKSRYPB105K16	C 3504 (B,29,5)	CCSRCH471J50
	C 2302 (A,26,20)	CKSRYPB104K50	C 3505 (B,33,11)	CKSRYPB105K16
	C 2303 (A,25,20)	CCSRCH102J50	C 3506 (B,32,11)	CKSRYPB104K50
	C 2304 (A,29,16)	CKSRYPB103K50	C 3507 (B,30,11)	CCSRCH102J50
	C 2305 (A,23,16)	CKSRYPB103K50	C 3508 (B,30,21)	CKSRYPB105K16
E	C 3009 (B,193,30)	CCSRCH471J50	C 3509 (B,30,19)	CKSRYPB104K50
	C 3010 (B,196,29)	CCSRCH471J50	C 3510 (B,30,18)	CCSRCH102J50
	C 3011 (B,196,31)	CCSRCH471J50	C 3601 (B,13,26)	CCSRCH471J50
	C 3012 (B,175,47)	CCSRCH471J50	C 3602 (B,31,26)	CCSRCH471J50
	C 3013 (B,150,48)	CCSRCH471J50	C 3603 (B,31,5)	CCSRCH471J50
	C 3014 (B,108,47)	CCSRCH471J50	C 3604 (B,13,5)	CCSRCH471J50
	C 3015 (B,82,48)	CCSRCH471J50	C 4001 (A,9,17)	CKSRYPB103K50
	C 3101 (A,135,49) 560 uF/6.3 V	VCH1279	C 4002 (A,9,12)	CKSRYPB103K50
	C 3102 (B,159,50)	CKSRYPB105K16	C 5001 (A,44,4)	CKSRYPB105K16
	C 3103 (B,161,50)	CKSRYPB104K50	C 5002 (A,42,4)	CKSRYPB104K50
	C 3104 (B,162,50)	CCSRCH102J50	C 5003 (A,41,4)	CKSRYPB102K50
F	C 3111 (A,160,49) 560 uF/6.3 V	VCH1279	C 5004 (A,42,23)	CCSRCH471J50
	C 3112 (B,134,49)	CKSRYPB105K16		
	C 3113 (B,135,49)	CKSRYPB104K50		
	C 3114 (B,137,49)	CCSRCH102J50		

Power Unit

5
Circuit Symbol and No.

6
Part No.

Consists of
PRI Unit
SEC Unit
PLED Unit

JKL

Unit Number : CWX4160
Unit Name : Power Unit

MISCELLANEOUS

IC 4102	(A,92,152)	Regulator IC	NJM78M56FA
IC 4211	(A,120,43)	Regulator IC	NJM7812FA
IC 4212	(A,143,43)	Regulator IC	NJM7912FA
IC 4213	(A,72,43)	IC	NJM7806FA
IC 4214	(A,95,43)	Regulator IC	NJM7906FA
IC 4221	(A,47,44)	IC	LM338T
IC 4231	(A,24,44)	IC	LM338T
Q 4101	(A,129,114)	Transistor	2SC2235
Q 4102	(A,111,130)	Transistor	2SC2713
Q 4103	(A,129,121)	Chip Digital Transistor	DTA124EUA
Q 4104	(A,119,114)	Transistor	2SC2235
Q 4106	(A,129,142)	Transistor	2SC2713
Q 4107	(A,119,121)	Chip Digital Transistor	DTA124EUA
Q 4108	(A,110,139)	Chip Digital Transistor	DTA124EUA
D 4101	(A,121,14)	Diode	1SS352
D 4102	(A,121,19)	Diode	1SS352
D 4103	(A,118,57)	Diode	1SS352
D 4104	(A,118,62)	Diode	1SS352
D 4105	(A,105,95)	Diode	1SS352
D 4106	(A,105,90)	Diode	1SS352
D 4107	(A,81,141)	Diode	D3SBA60(B)
D 4108	(A,94,149)	Diode	1SS352
D 4109	(A,92,158)	Diode	1SS352
D 4201	(A,123,18)	Diode	FCH20A20
D 4203	(A,64,40)	Diode	RB751V-40
D 4204	(A,93,93)	Diode	RB751V-40
D 4205	(A,120,47)	Diode	1SS352
D 4206	(A,72,47)	Diode	1SS352
D 4211	(A,141,18)	Diode	FRH20A20
D 4213	(A,93,37)	Diode	RB751V-40
D 4214	(A,102,79)	Diode	RB751V-40
D 4215	(A,144,47)	Diode	1SS352
D 4216	(A,96,47)	Diode	1SS352
D 4221	(A,55,22)	Diode	FCH20A20
D 4222	(A,71,22)	Diode	FRH20A20
D 4224	(A,49,85)	Diode	RB751V-40
D 4225	(A,49,48)	Diode	1SS352
D 4226	(A,45,48)	Diode	1SS352
D 4231	(A,22,22)	Diode	FCH20A20
D 4232	(A,38,22)	Diode	FRH20A20
D 4234	(A,25,85)	Diode	RB751V-40
D 4235	(A,26,48)	Diode	1SS352
D 4236	(A,22,48)	Diode	1SS352
D 4251	(A,121,90)	Diode	1SS352
D 4252	(A,127,90)	Diode	1SS352
D 4253	(A,133,90)	Diode	1SS352
D 4301	(A,31,125)	Diode	FCH20A20
D 4311	(A,63,125)	Diode	FRH20A20
D 4321	(A,105,125)	Diode	FCH20A20

7
Circuit Symbol and No.

8
Part No.

D 4322	(A,137,125)	Diode	FRH20A20
D 4401	(A,19,9)	LED	SML-020MLT
RY4101	(A,100,17)	Relay	CSR1032
RY4102	(A,96,59)	Relay	CSR1032
RY4103	(A,90,93)	Relay	ASR7013
H 4101	(A,31,49)	Holder	AKR7004
H 4102	(A,31,22)	Holder	AKR7004
H 4103	(A,31,84)	Holder	AKR7004
H 4104	(A,31,111)	Holder	AKR7004
P 4201	(A,95,22)	Protector(5A)	AEK7019
P 4202	(A,114,22)	Protector(5A)	AEK7019
P 4203	(A,61,14)	Protector(5A)	AEK7019
P 4204	(A,29,14)	Protector(5A)	AEK7019
P 4301	(A,23,124)	Protector(10A)	AEK7022
P 4302	(A,69,124)	Protector(10A)	AEK7022
P 4303	(A,97,124)	Protector(10A)	AEK7022
P 4304	(A,144,124)	Protector(10A)	AEK7022
CN4101	(A,36,66)	Connector	CKS6112
CN4103	(A,27,146)	Connector	CKS6112
CN4104	(A,122,38)	Connector	CKS6112
CN4105	(A,86,106)	Connector	CKS6112
CN4106	(A,116,156)	8P Top Post	B8B-EH
CN4201	(A,105,12)	Connector	CKS6112
CN4203	(A,71,12)	Connector	CKS6111
CN4205	(A,38,12)	Connector	CKS6111
CN4206	(A,106,92)	Connector	CKS6113
CN4207	(A,59,92)	Connector	CKS6112
CN4208	(A,35,92)	Connector	CKS6112
CN4301	(A,26,113)	Connector	CKS6111
CN4302	(A,65,113)	Connector	CKS6111
CN4303	(A,100,113)	Connector	CKS6111
CN4304	(A,140,113)	Connector	CKS6111
CN4305	(A,47,196)	Connector	CKS6113
CN4306	(A,157,87)	8P Top Post	B8B-EH
CN4307	(A,128,95)	5P Top Post	B5B-EH
CN4308	(A,135,139)	Connector	B4B-PH-K-S
CN4309	(A,121,196)	Connector	CKS6113
CN4310	(A,145,95)	Connector	B4B-EH
CN4401	(A,19,21)	Plug	KM200NA4L
KN4101	(A,131,158)	Terminal	VNF1084
KN4301	(A,159,191)	Terminal	VNF1084
KN4302	(A,16,109)	Terminal	VNF1084
KN4303	(A,151,109)	Terminal	VNF1084
KN4304	(A,159,16)	Terminal	VNF1084
JH4301	(A,14,129)	PCB Binder	VEF1040

RESISTORS

R 4101	(A,89,147)	RS1/10SR473J
R 4102	(A,108,99)	RS1/10SR220J
R 4104	(A,111,133)	RS1/10SR223J
R 4105	(A,112,136)	RS1/10SR223J
R 4107	(A,127,14)	RS1/10SR220J
R 4109	(A,130,118)	RS1/10SR223J
R 4110	(A,128,118)	RS1/10SR223J
R 4111	(A,128,138)	RS1/10SR223J
R 4112	(A,124,57)	RS1/10SR220J
R 4114	(A,120,118)	RS1/10SR223J
R 4115	(A,118,118)	RS1/10SR223J
R 4119	(A,130,151)	RS1/10SR222J

1

2

3

4

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

R 4120 (A,128,151)
R 4121 (A,132,146)
R 4124 (A,99,33) 6.8 ohm

RS1/10SR102J
RS1/10SR223J
CCN1269

C 4202 (A,119,40)
C 4203 (A,119,78)
C 4204 (A,124,84)
C 4205 (A,126,84)
C 4206 (A,128,84)
C 4207 (A,80,78)

CKSRYP103K50
CEHAZL102M35
CKSQYF105Z50
CKSRYP104K50
CKSRYP102K50
CEHAZL102M35

A

R 4202 (A,119,38)
R 4203 (A,64,41)
R 4204 (A,91,93)
R 4212 (A,142,40)
R 4213 (A,93,39)

RS1/10SR223J
RS1/10SR223J
RS1/10SR223J
RS1/10SR223J
RS1/10SR223J

C 4208 (A,102,83)
C 4209 (A,102,84)
C 4210 (A,102,86)
C 4211 (A,140,30)
C 4212 (A,142,38)

CKSQYF105Z50
CKSRYP104K50
CKSRYP102K50
CEHAZL222M25
CKSRYP103K50

R 4214 (A,104,79)
R 4222 (A,49,41)
R 4223 (A,46,41)
R 4224 (A,46,36)
R 4225 (A,49,39)

RS1/10SR223J
RS1/10SR223J
RN1/16SE1800D
RN1/16SC33R0D
RN1/16SE5100D

C 4213 (A,133,78)
C 4214 (A,144,77)
C 4215 (A,146,77)
C 4216 (A,148,77)
C 4217 (A,94,78)

CEHAZL102M35
CKSQYF105Z50
CKSRYP104K50
CKSRYP102K50
CEHAZL102M35

B

R 4232 (A,30,43)
R 4233 (A,25,41)
R 4234 (A,29,39)
R 4235 (A,31,39)
R 4251 (A,123,90)

RS1/10SR223J
RN1/16SE1800D
RN1/16SC33R0D
RN1/16SE6200D
RS1/10SR220J

C 4218 (A,105,83)
C 4219 (A,105,84)
C 4220 (A,105,86)
C 4221 (A,53,13) 0.47 uF
C 4222 (A,55,33)

CKSQYF105Z50
CKSRYP104K50
CKSRYP102K50
CCE1045
CEHAZL222M25

R 4252 (A,125,90)
R 4253 (A,131,90)
R 4301 (A,42,131) 22 kohm
R 4302 (A,37,116) 10 ohm
R 4311 (A,52,131) 22 kohm

RS1/10SR220J
RS1/10SR220J
CCN1310
CCN1193
CCN1310

C 4223 (A,71,33)
C 4224 (A,46,39)
C 4225 (A,46,38)
C 4226 (A,50,78)
C 4227 (A,49,87)

CEHAZL222M25
CKSRYP103K50
CKSRYP102K50
CEHAZL102M35
CKSRYP105K16

C

R 4321 (A,111,116) 10 ohm
R 4322 (A,116,131) 22 kohm
R 4325 (A,66,195)
R 4326 (A,102,195)
R 4332 (A,126,131) 22 kohm

CCN1193
CCN1310
RS1/10SR0R0J
RS1/10SR0R0J
CCN1310

C 4228 (A,49,89)
C 4229 (A,49,90)
C 4231 (A,21,13) 0.47 uF
C 4232 (A,22,33)
C 4233 (A,38,33)

CKSRYP104K50
CKSRYP102K50
CCE1045
CEHAZL222M25
CEHAZL222M25

CAPACITORS

C 4101 (A,69,57) 0.1 uF
C 4102 (A,61,82) 0.1 uF
C 4104 (A,85,30) 10 000 pF
C 4105 (A,85,40) 10 000 pF
C 4106 (A,124,14)

ACE7013
ACE7013
ACG7039
ACG7039
CKSRYP103K50

C 4234 (A,26,41)
C 4235 (A,28,41)
C 4236 (A,26,78)
C 4237 (A,25,87)
C 4238 (A,25,89)

CKSRYP103K50
CKSRYP103K50
CEHAZL102M35
CKSRYP105K16
CKSRYP104K50

D

C 4107 (A,124,19)
C 4108 (A,121,57)
C 4109 (A,121,62)
C 4110 (A,86,82) 10 000 pF
C 4111 (A,108,95)

CKSRYP103K50
CKSRYP103K50
CKSRYP103K50
ACG7039
CKSRYP103K50

C 4239 (A,25,90)
C 4251 (A,120,90)
C 4252 (A,129,90)
C 4253 (A,143,84) 220 uF/25 V
C 4254 (A,146,90)

CKSRYP102K50
CKSRYP221K50
CKSRYP221K50
ACH1482
CKSRYP105K16

C 4112 (A,108,90)
C 4114 (A,74,138)
C 4115 (A,92,138)
C 4116 (A,89,149)
C 4117 (A,97,146)

CKSRYP103K50
CFTLA103J50
CEHAZL102M35
CKSRYP103K50
CKSRYP103K50

C 4255 (A,145,90)
C 4256 (A,142,90)
C 4257 (A,150,78)
C 4258 (A,152,78)
C 4259 (A,153,78)

CKSRYP104K50
CKSRYP102K50
CKSQYF105Z50
CKSRYP104K50
CKSRYP102K50

E

C 4118 (A,104,144) 220 uF/25 V
C 4119 (A,110,136)
C 4120 (A,116,151)
C 4121 (A,106,152)
C 4122 (A,119,138)

ACH1482
CKSRYP221K50
CKSRYP221K50
CKSRYP103K50
CEHAZL102M35

C 4260 (A,135,90)
C 4301 (A,28,151) 4 700 uF/80 V
C 4302 (A,38,178) 1 uF
C 4303 (A,49,115) 1 uF
C 4311 (A,65,151) 4 700 uF/80 V

CKSRYP221K50
CCH1956
CCE1040
CCE1040
CCH1956

C 4123 (A,123,152)
C 4124 (A,123,148)
C 4125 (A,123,150)
C 4126 (A,114,149)
C 4130 (A,94,146)

CKSQYF105Z50
CKSRYP104K50
CKSRYP102K50
CKSRYP221K50
CKSRYP105K16

C 4312 (A,56,178) 1 uF
C 4321 (A,123,115) 1 uF
C 4322 (A,102,151) 4 700 uF/80 V
C 4323 (A,112,178) 1 uF
C 4327 (A,46,28)

CCE1040
CCE1040
CCH1956
CCE1040
CKSRYP103K50

F

C 4131 (A,96,146)
C 4132 (A,99,146)
C 4200 (A,105,24) 1 uF
C 4201 (A,123,30)

CKSRYP104K50
CKSRYP102K50
CCE1040
CEHAZL222M25

C 4328 (A,79,28)
C 4329 (A,149,21)
C 4332 (A,139,151) 4 700 uF/80 V
C 4333 (A,130,178) 1 uF

CKSRYP103K50
CKSRYP103K50
CCH1956
CCE1040

1

2

3

4

5
Circuit Symbol and No.

6
Part No.

C 4401 (A,22,9)

CCSRCH102J50

C 4402 (A,16,9)

CCSRCH102J50

A

B

C

D

E

F