SCHEMATIC DIAGRAMS

POWERED WOOFER CD SYSTEM

RV-NB70BA
RV-NB70BE
RV-NB70BEY
RV-NB70BJ
RV-NB70SE
RV-NB70SEY
RV-NB70SJ

■ PRECAUTIONS ON SCHEMATIC DIAGRAMS

- Due to the improvement in performance, some part numbers shown in the circuit diagrams may not agree with those indicated in the Parts List.
- The parts numbers, values and rated voltage etc. in the Schematic Diagrams are for reference only.
- Since the circuit diagrams are standard ones, the circuits and circuit constants may be subject to change for improvement without any notice.

■ PRECAUTIONS ON PARTS LIST

- The parts identified by the ⚠ symbol are critical for safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.
- When ordering chips, screws etc., place bulk orders (unit of tens) whenever possible to improve shipping efficiency.
- There are cases where the actual implemented parts in the sets and the service parts are different. When ordering parts, make sure to refer to the Parts List.

■ PRECAUTIONS ON SERVICE

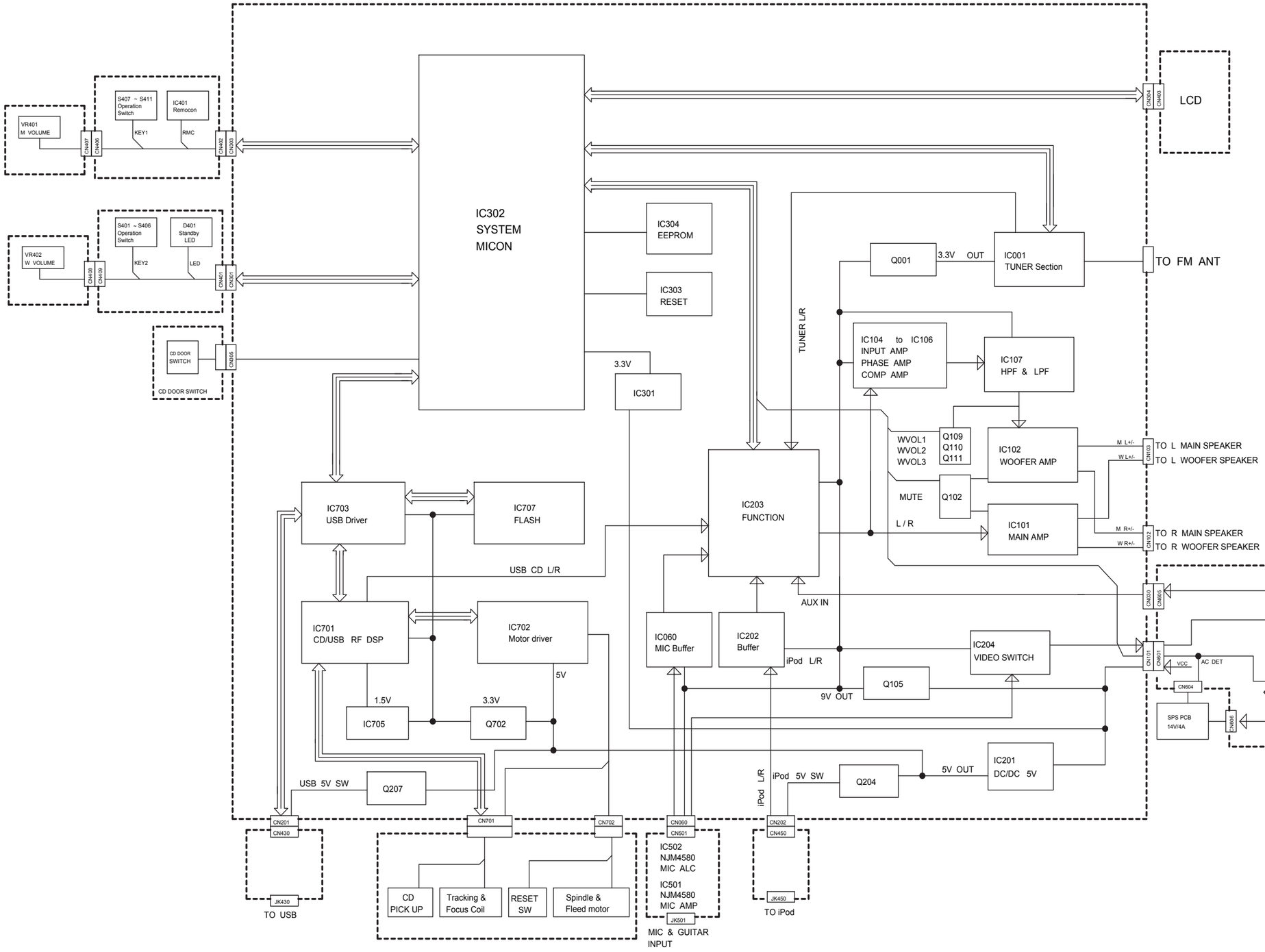
Certain parts of the power circuits and the GNDs differ according to the models. Care must be taken for the following points as the differences are indicated separately in the LIVE GND (⏚) and the ISOLATED (NEUTRAL) GND (⊥).

1. Do not touch the LIVE GND, or do not touch the LIVE GND and the ISOLATED (NEUTRAL) GND at the same time. It may cause an electric shock.
   Before pulling out the chassis or other parts, make sure to pull out the power cord from the wall outlet first.
2. Do not short circuit between the LIVE GND and ISOLATED (NEUTRAL) GND, or never measure the LIVE GND and ISOLATED (NEUTRAL) GND at the same time using measuring instruments (oscilloscope, etc.). It may blow fuses or damage other parts.

■ DEVIATION TOLERANCE RANGE

DEVIATION TOLERANCE RANGE									
F	G	J	K	M	N	R	H	Z	P
± 1%	± 2%	± 5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

Block diagram



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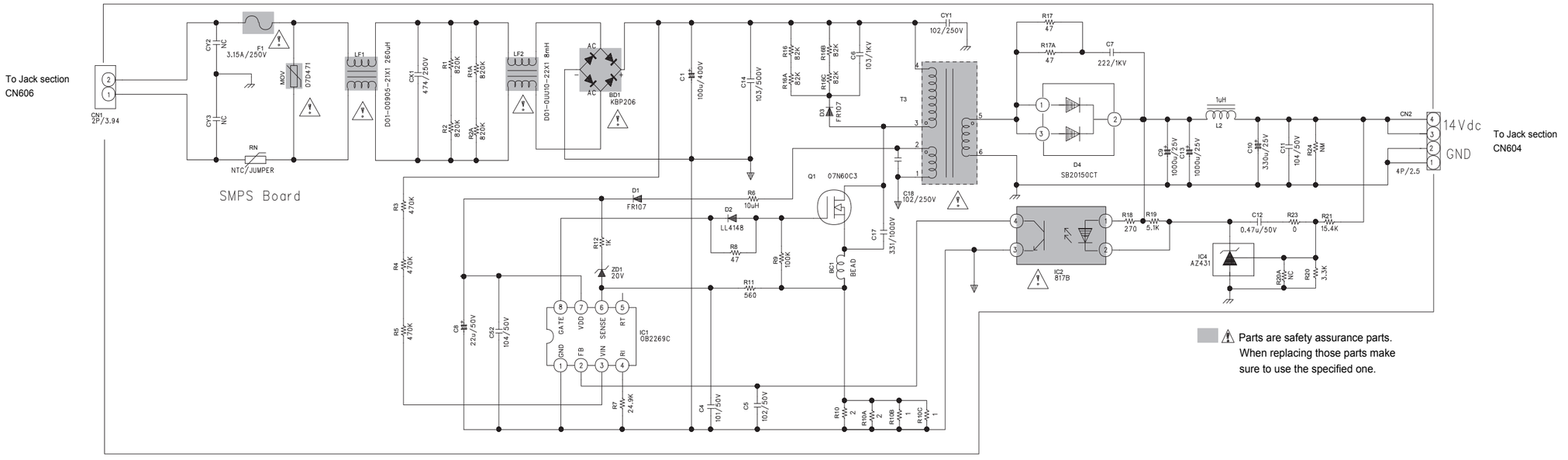

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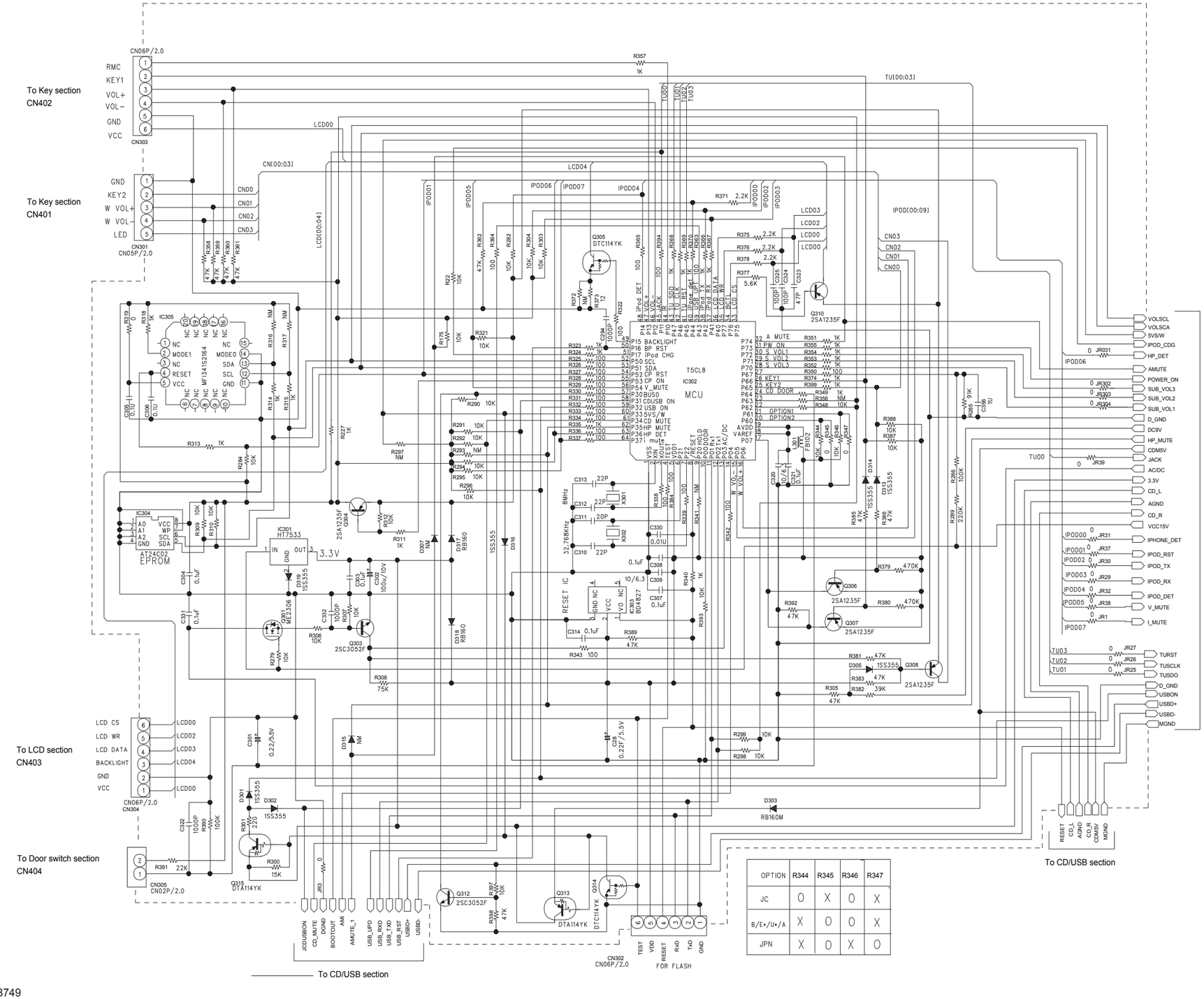

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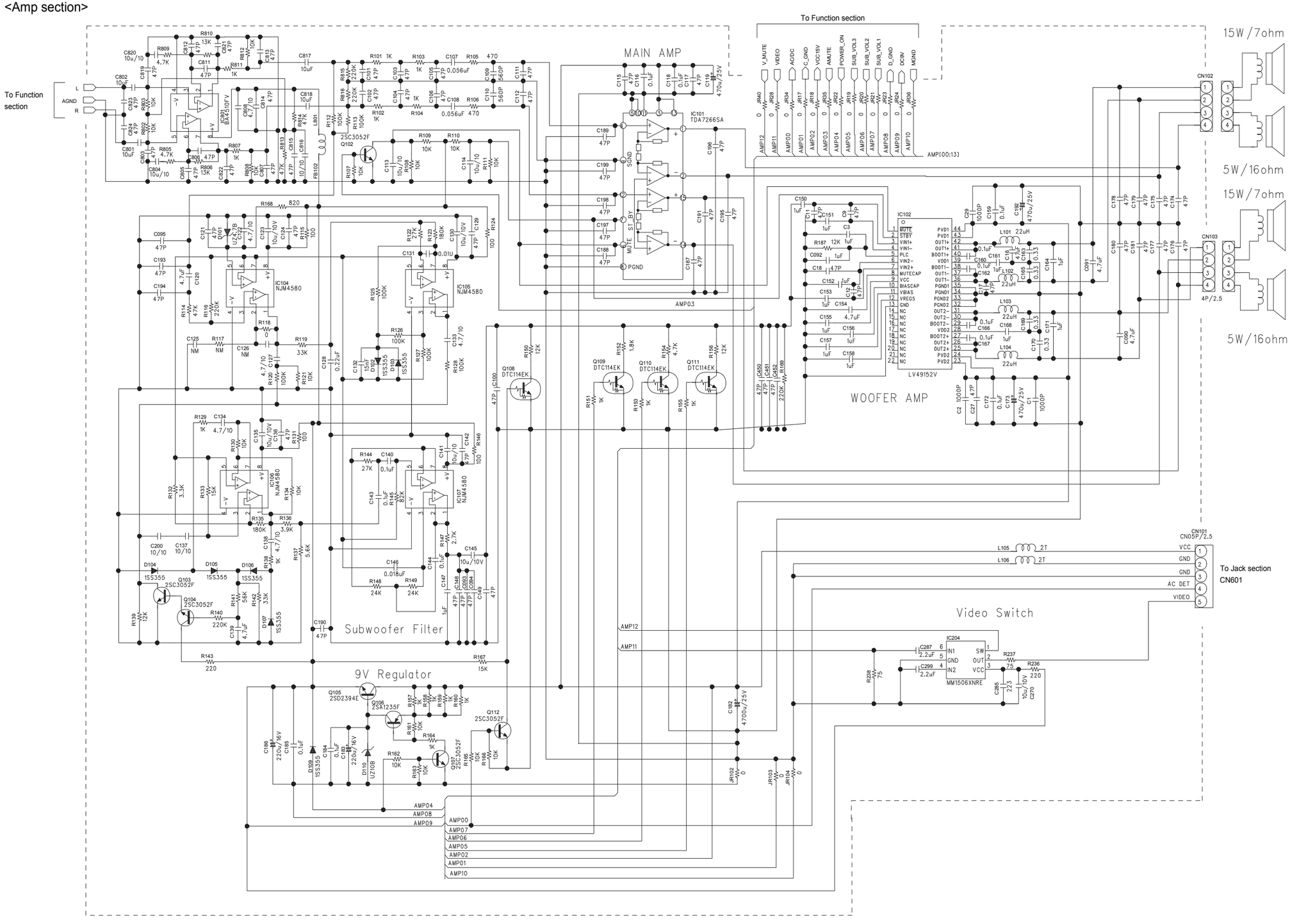
To Function section
L
AGND
R
MAIN AMP
IC101 TDA7266SA
SGND
ST_BY
MUTE
PGND
AMP03
To Function section
V_MUTE
VDEO
AC/DC
C_GND
VCC15V
AMUTE
POWER_ON
SUB_VOL3
SUB_VOL2
SUB_VOL1
D_GND
DC9V
MGND
AMP[00:13]
15W/7ohm
5W/16ohm
15W/7ohm
5W/16ohm
CN102
CN103
4P/2.5
IC102
LV49152V
WOOFER AMP
IC104 NJM4580
IC105 NJM4580
IC106 NJM4580
IC107 NJM4580
Subwoofer Filter
9V Regulator
AMP04
AMP08
AMP09
AMP00
AMP07
AMP06
AMP05
AMP02
AMP01
AMP10
AMP12
AMP11
CN101
CN05P/2.5
VCC
GND
GND
AC DET
VIDEO
To Jack section
CN601
Video Switch
IC204
MM1506XNRE

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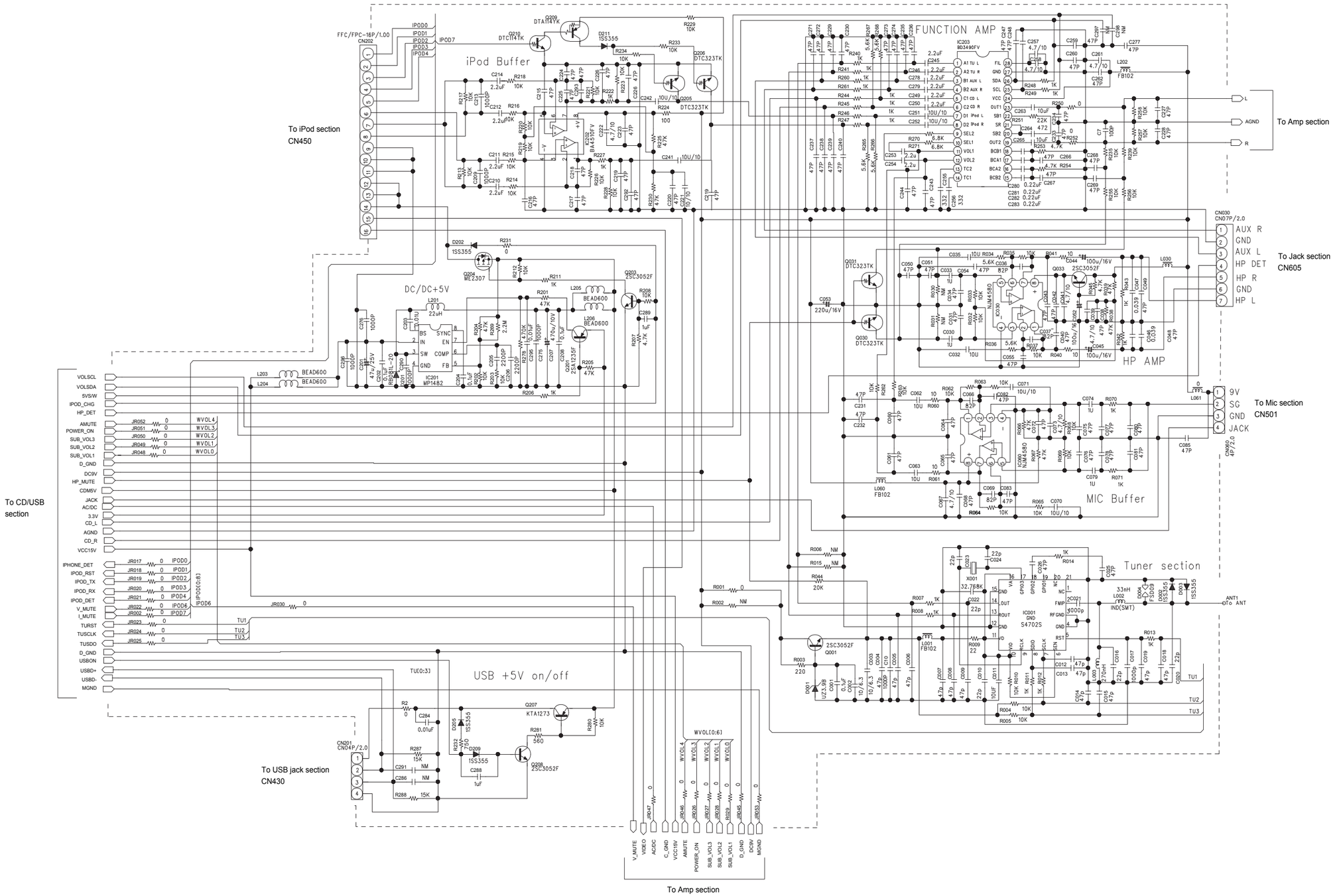

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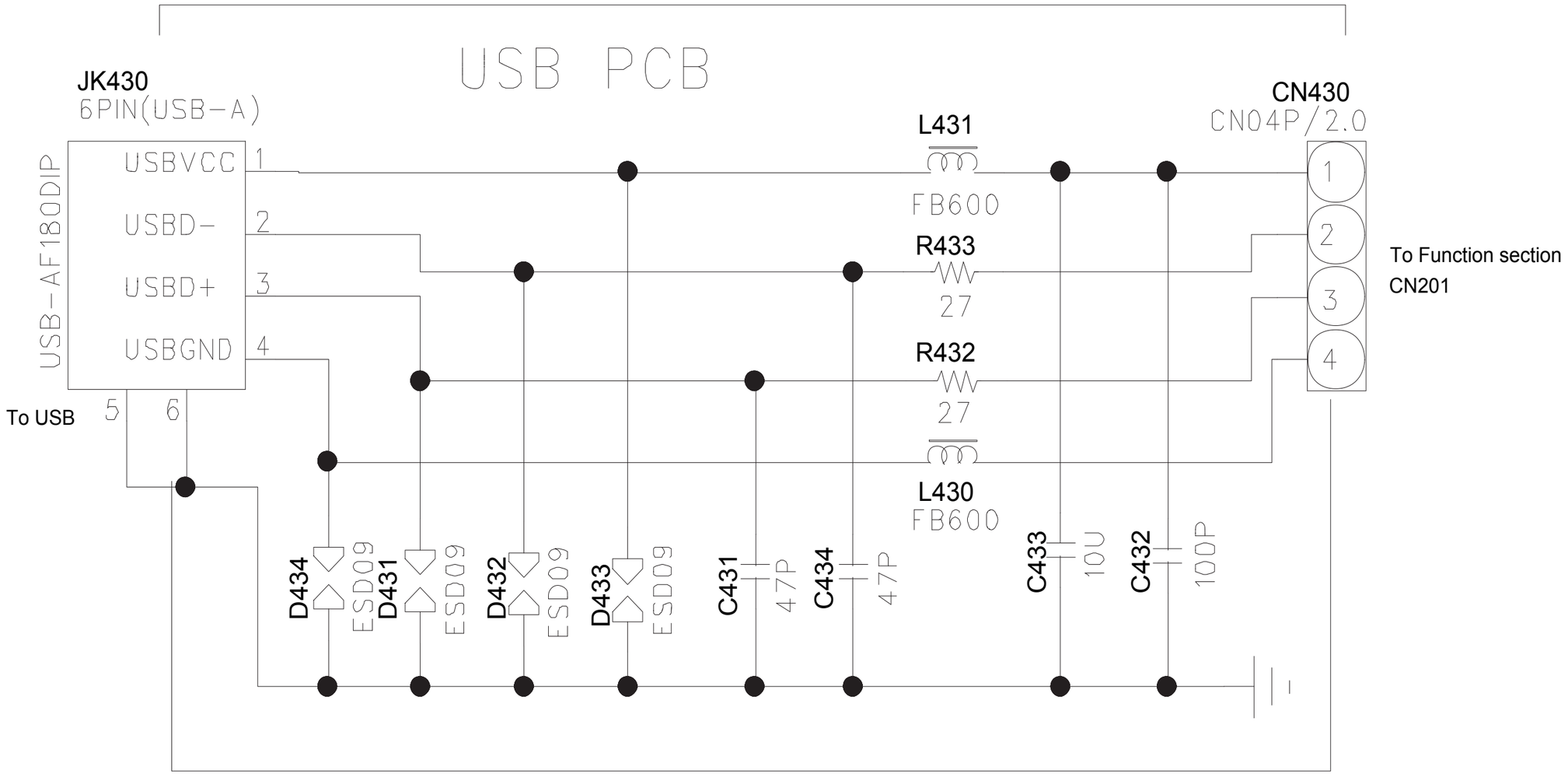

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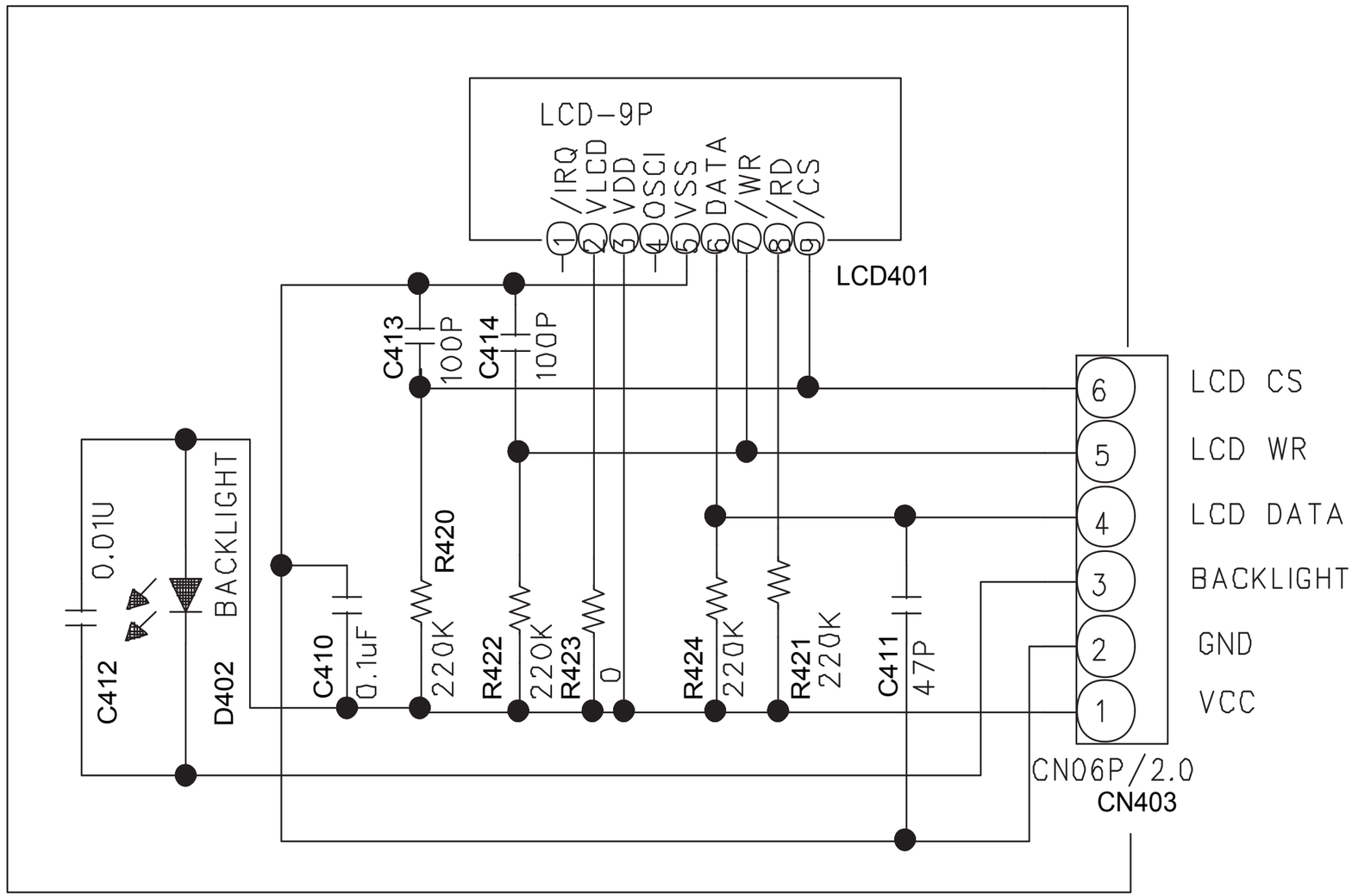
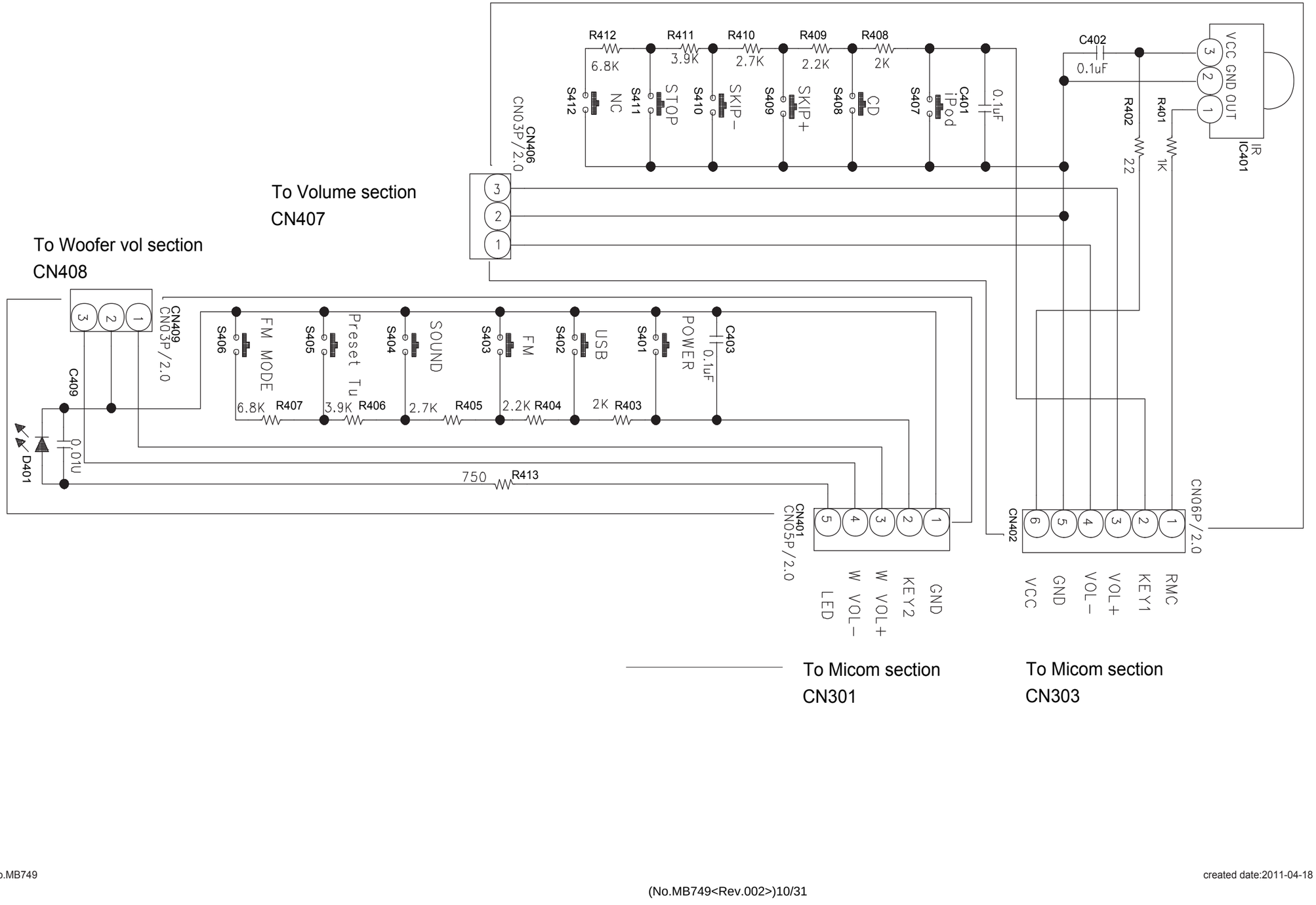


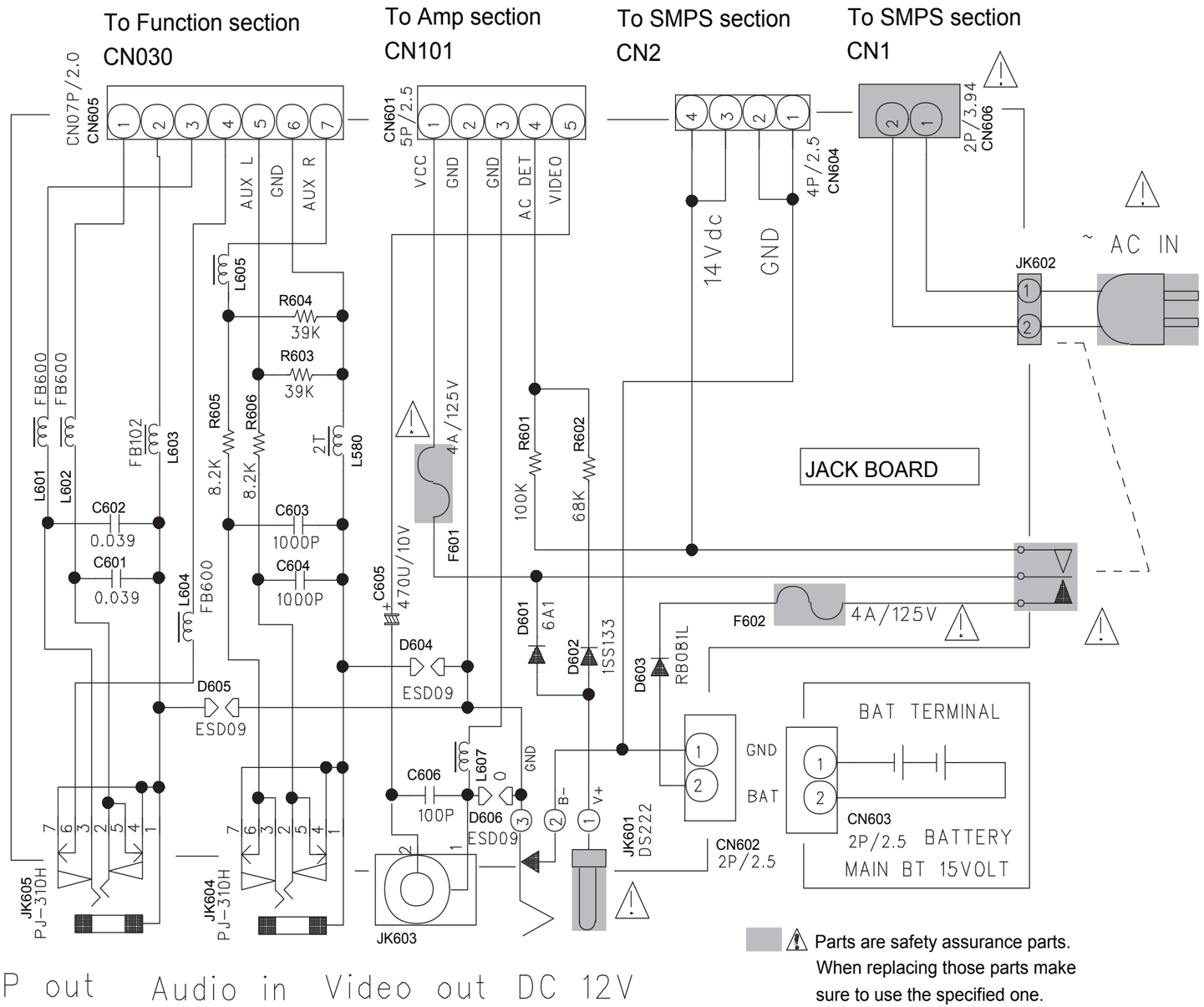
To Micom section

CN304

<Key section>


R412
6.8K
S412
NC
R411
3.9K
S411
STOP
R410
2.7K
S410
SKIP-
R409
2.2K
S409
SKIP+
R408
2K
S408
CD
S407
C401
iPod
0.1uF
CN406
CN03P/2.0
To Volume section
CN407
To Woofer vol section
CN408
C402
0.1uF
R402
22
R401
1K
VCC GND OUT
IR
IC401
CN409
CN03P/2.0
S406
FM MODE
S405
Preset Tu
S404
SOUND
S403
FM
S402
USB
S401
POWER
C403
0.1uF
C409
6.8K R407
3.9K R406
2.7K R405
2.2K R404
2K R403
D401
0.01U
750 R413
CN401
CN05P/2.0
LED
W VOL-
W VOL+
KEY2
GND
CN402
CN06P/2.0
VCC
GND
VOL-
VOL+
KEY1
RMC
To Micom section
CN301
To Micom section
CN303

<Jack section>



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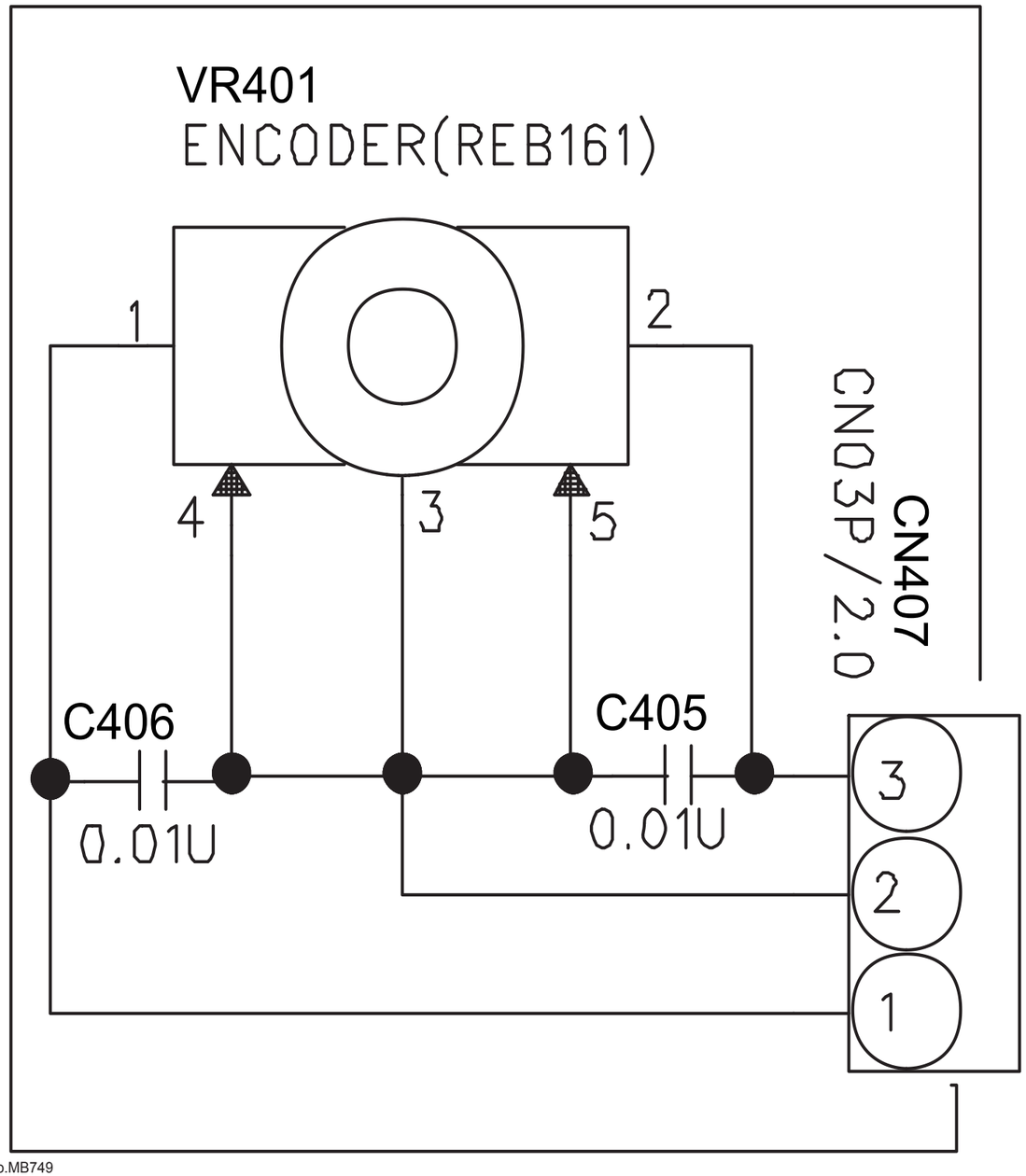
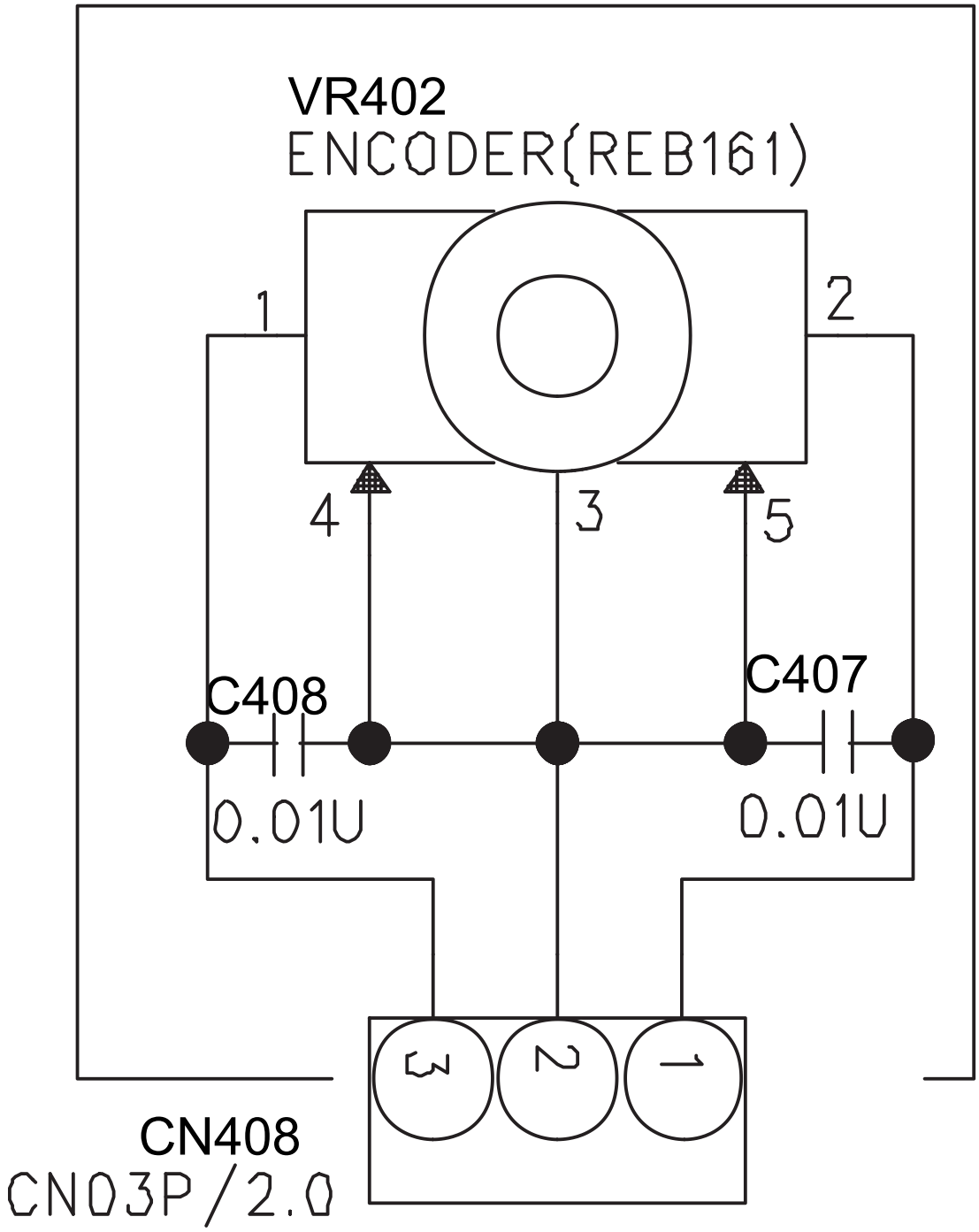


To Key section

CN406

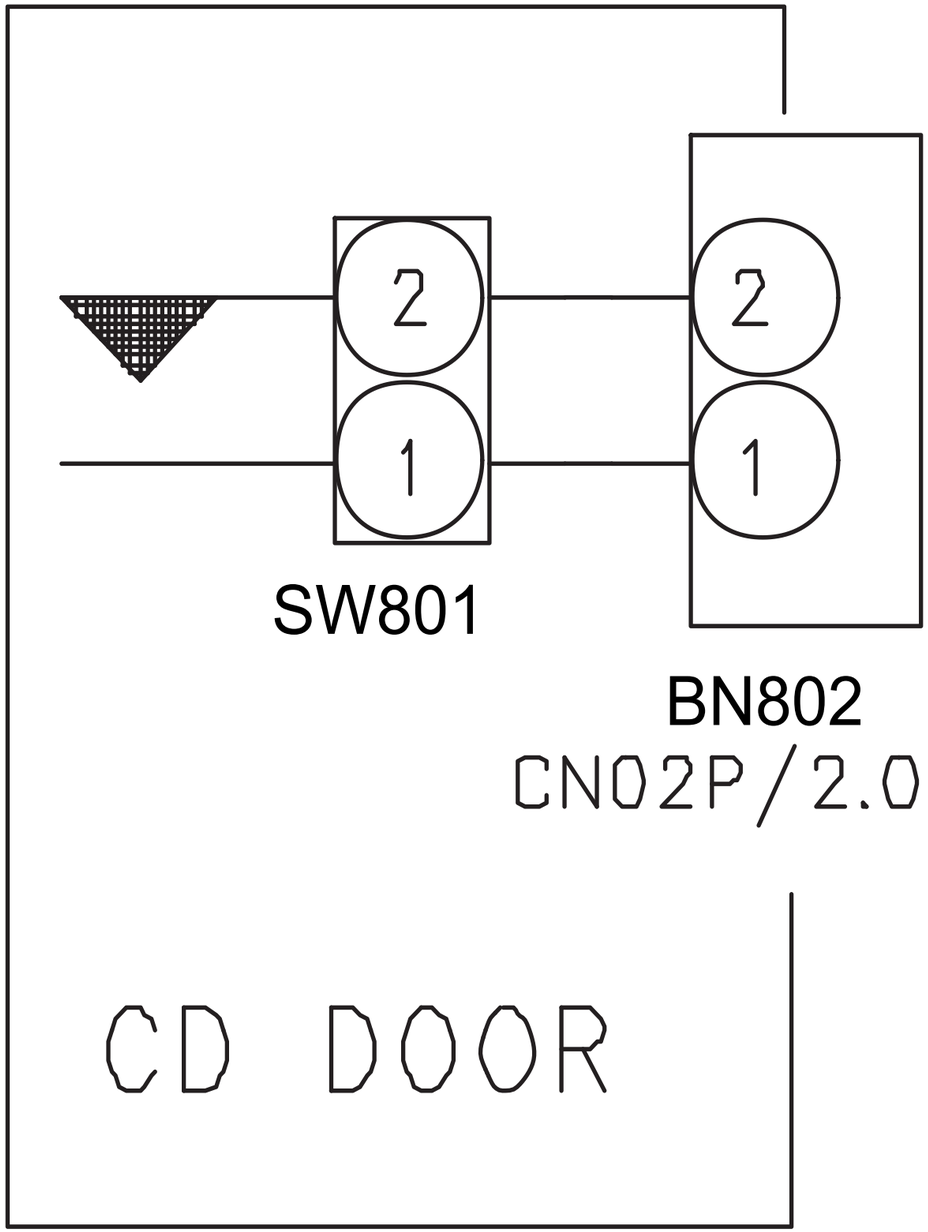
<Woofer vol section>



To Key section

CN409

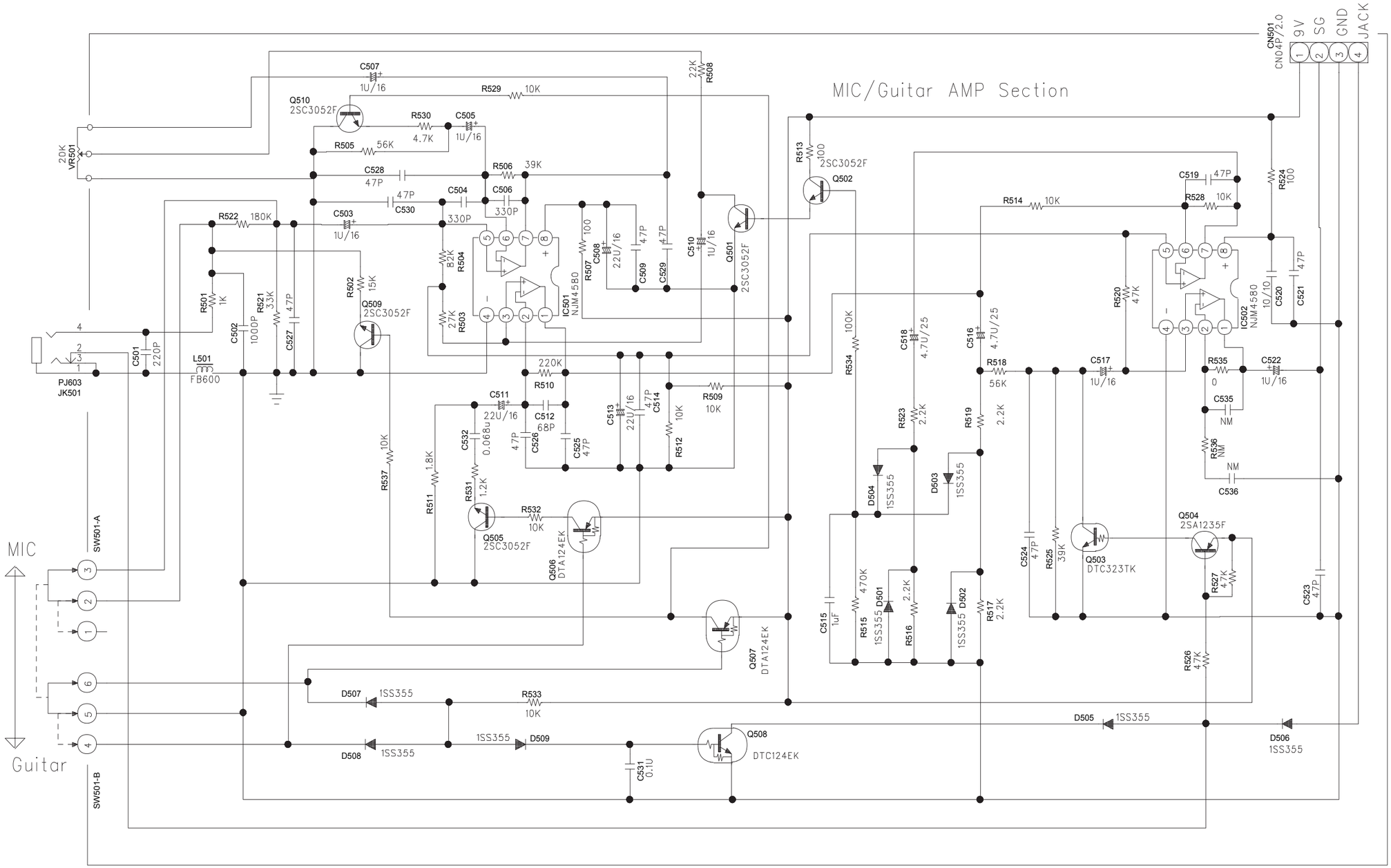
<Door switch section>



To Micom section
CN305

<Mic section>

To Function section
CN060



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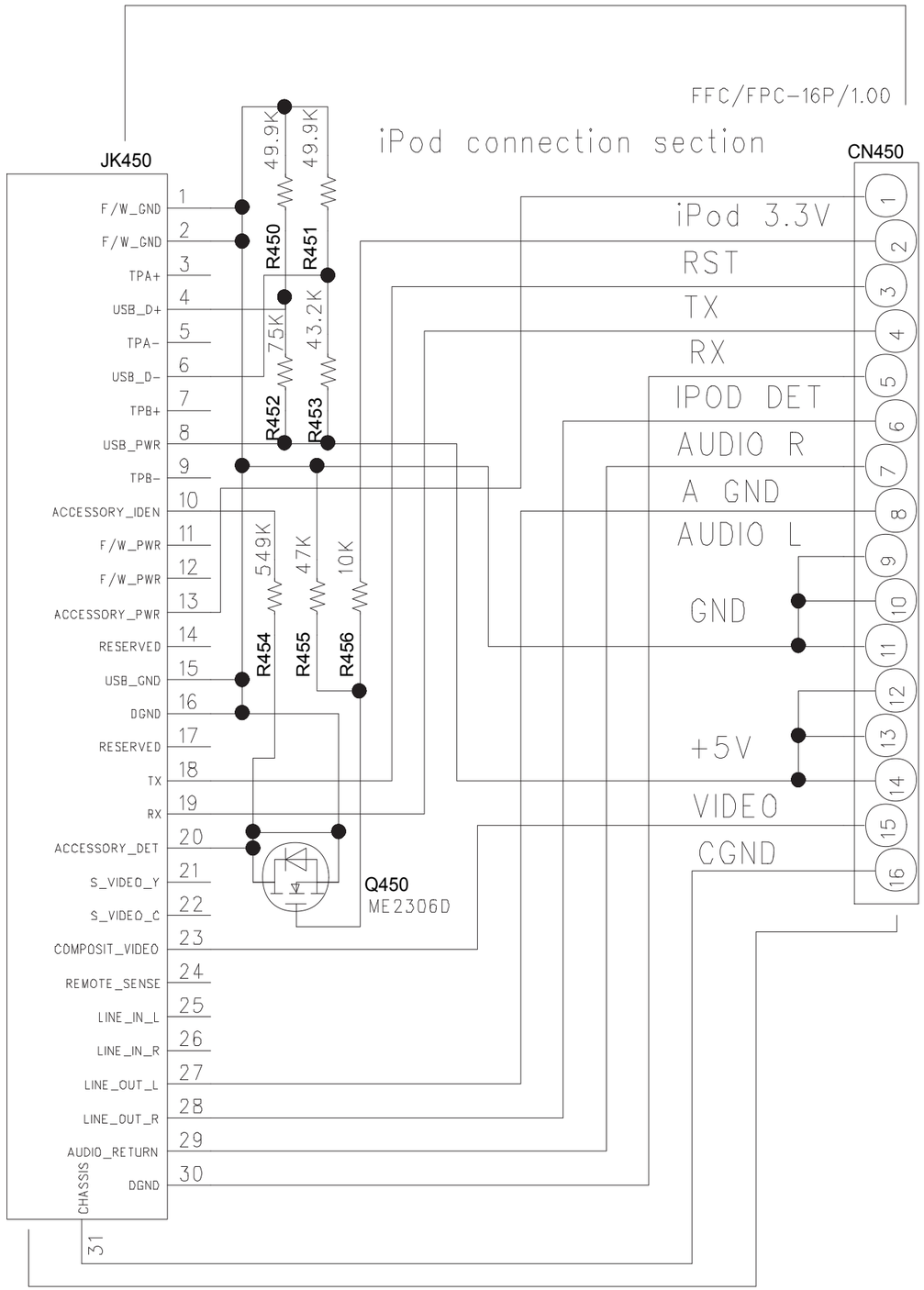
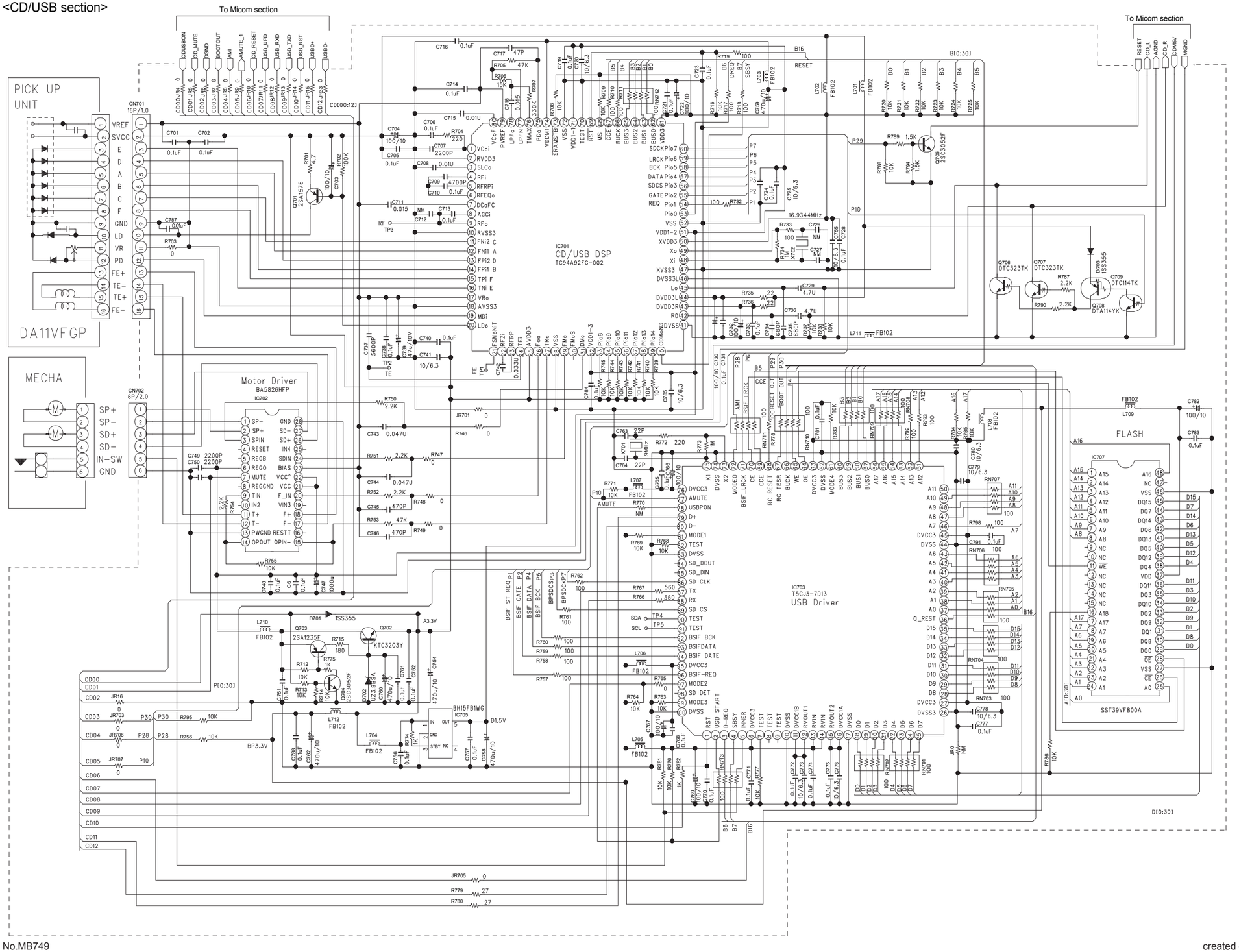


To Function section
CN202

<CD/USB section>

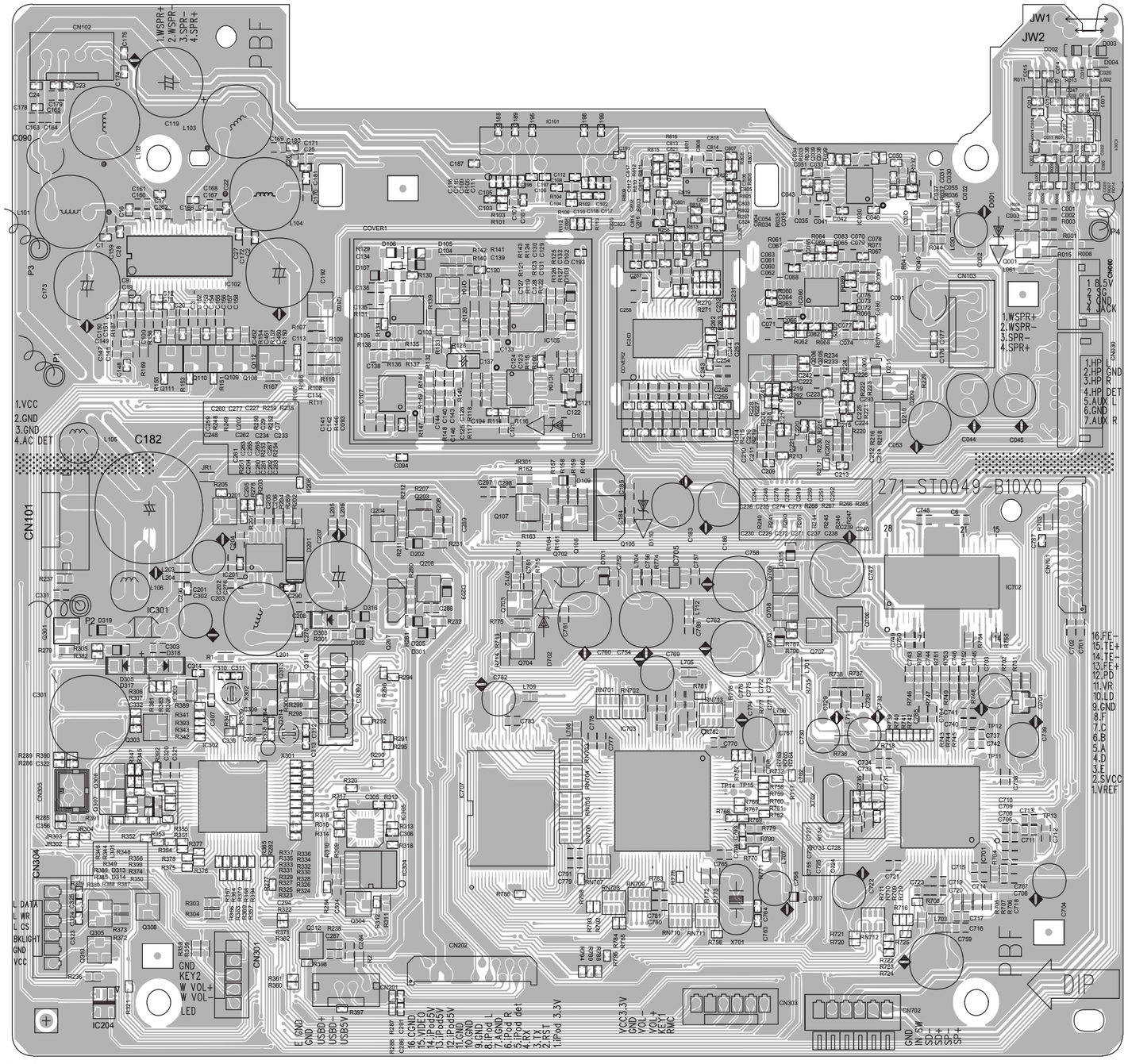


No.MB749

created date:2011-04-18

<Main board (foward side)>

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



<Main board (reverse side)>

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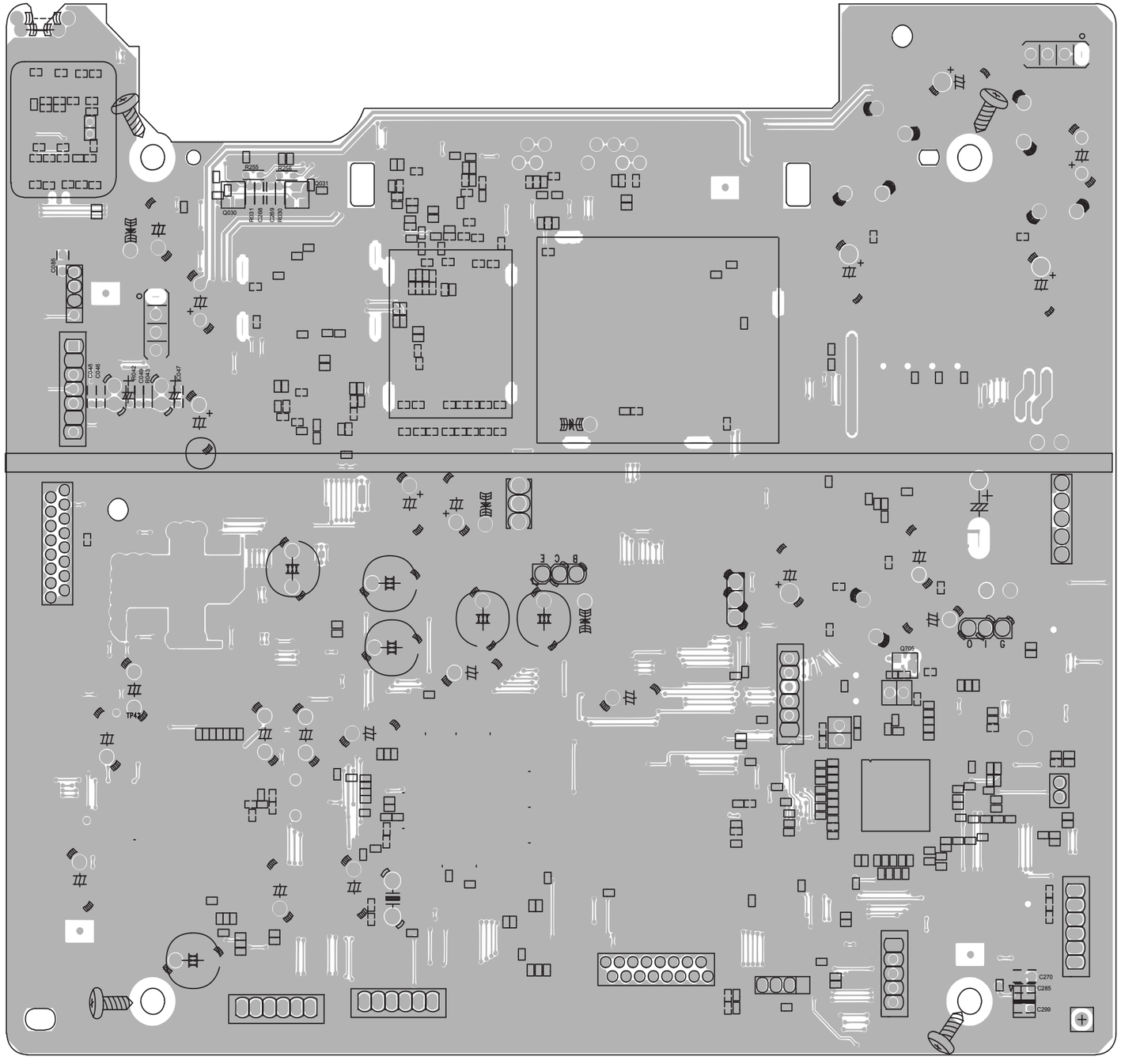
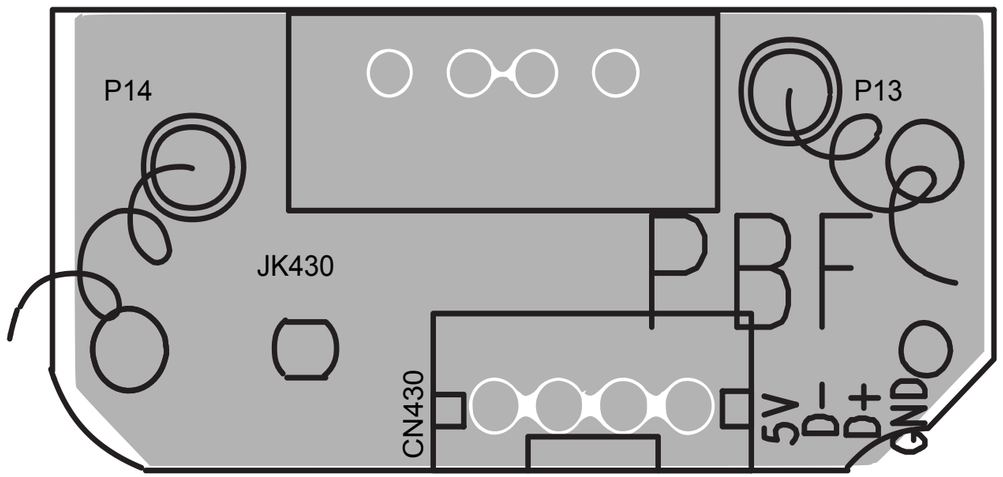


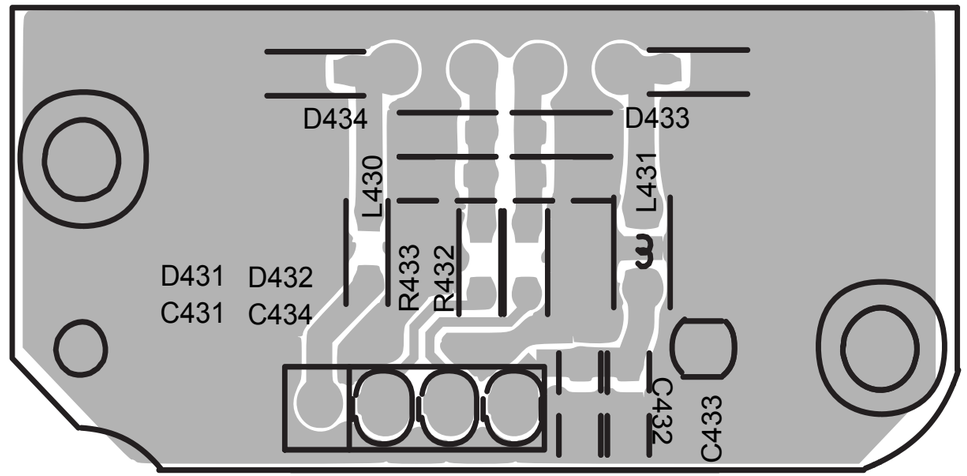
<USB board>

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

(foward side)



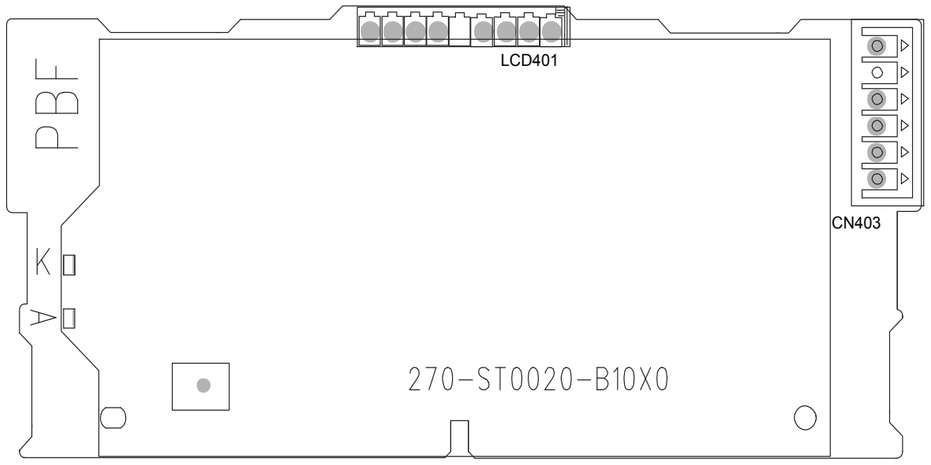
(reverse side)



<LCD board>

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

(foward side)



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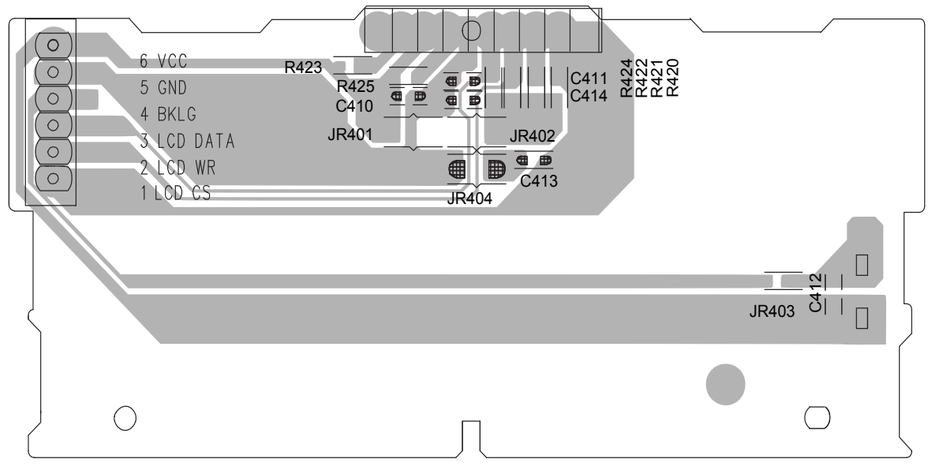

<Key board 1>

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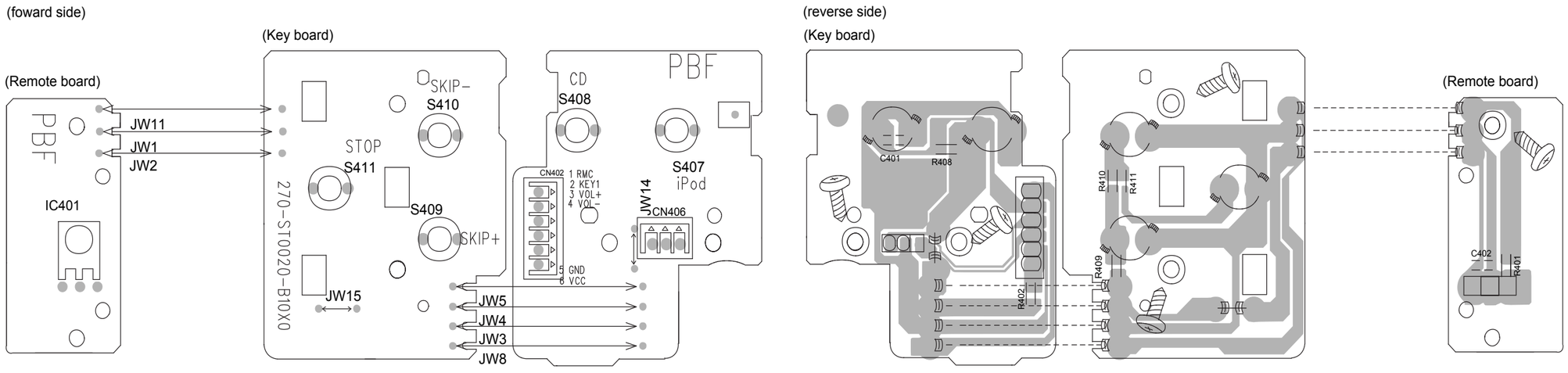

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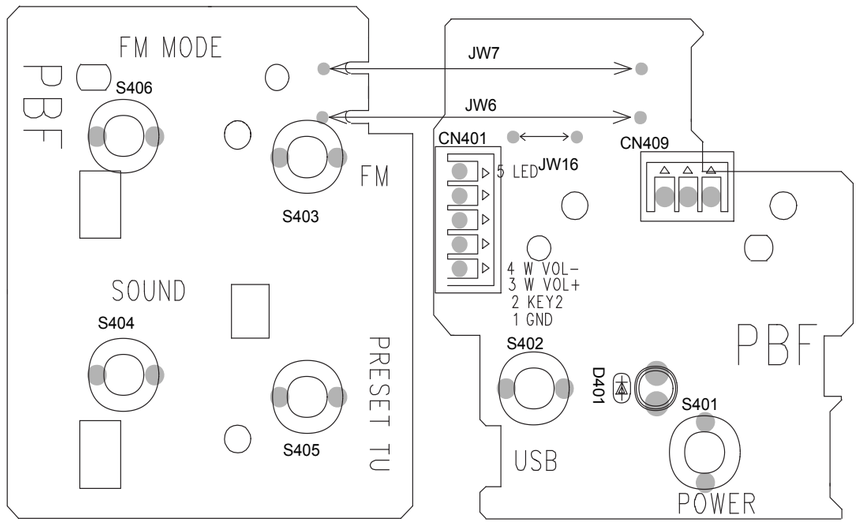
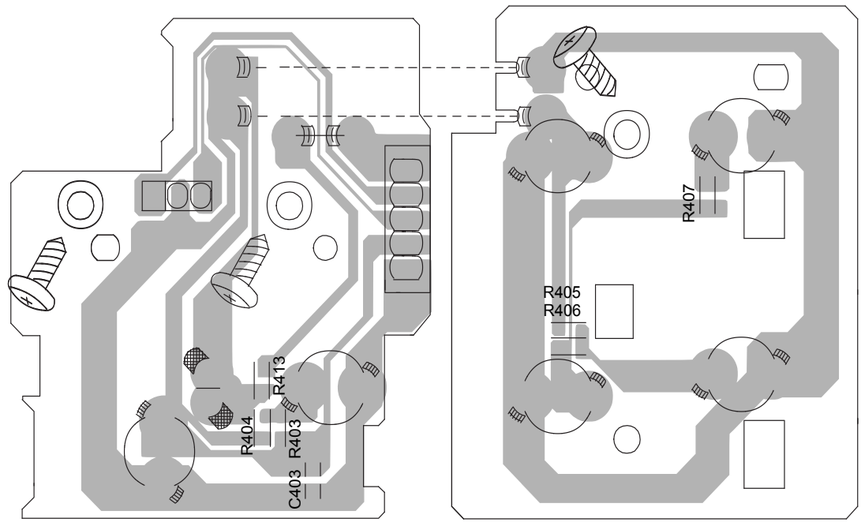
(foward side)



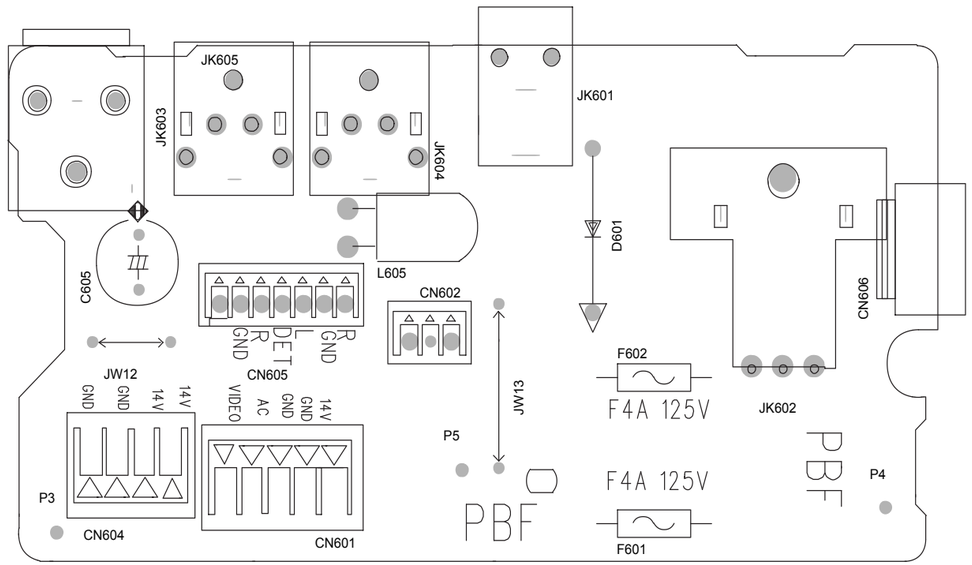
(reverse side)



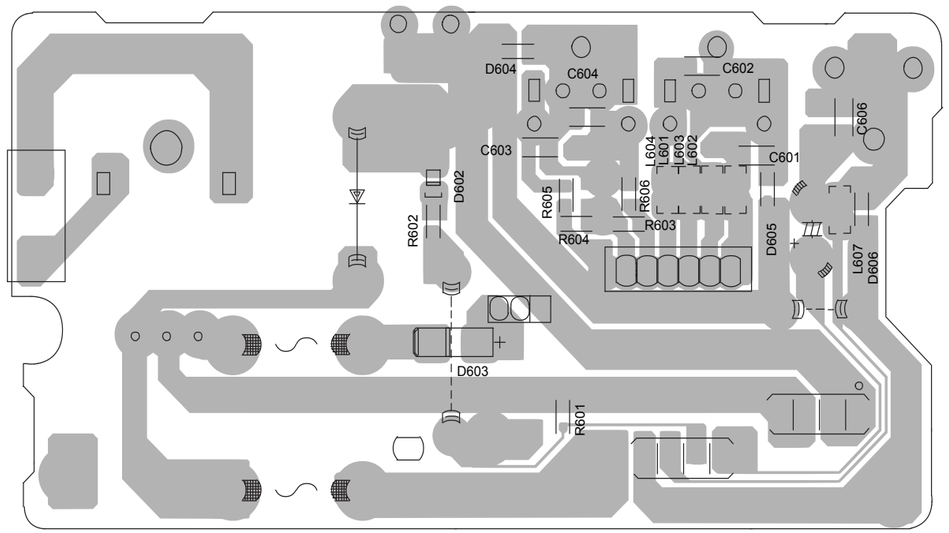
<Jack board>

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

(foward side)



(reverse side)



<Volume board>

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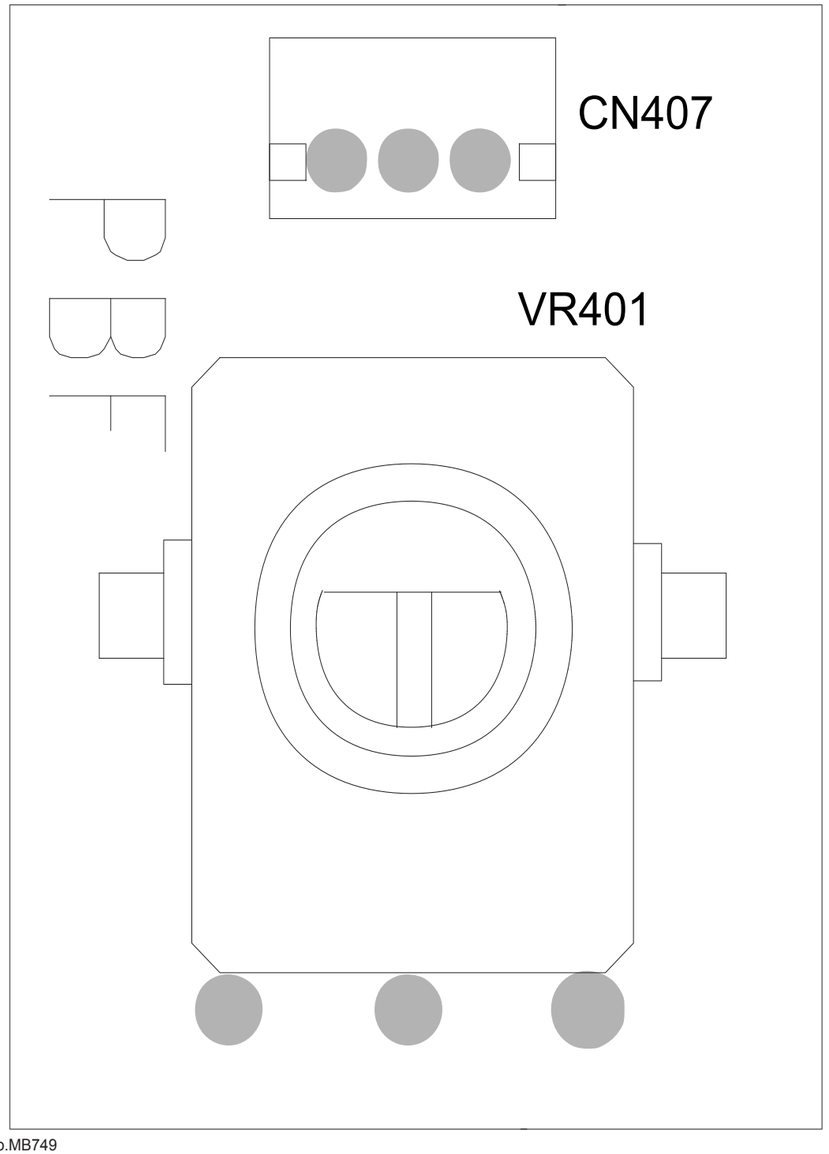
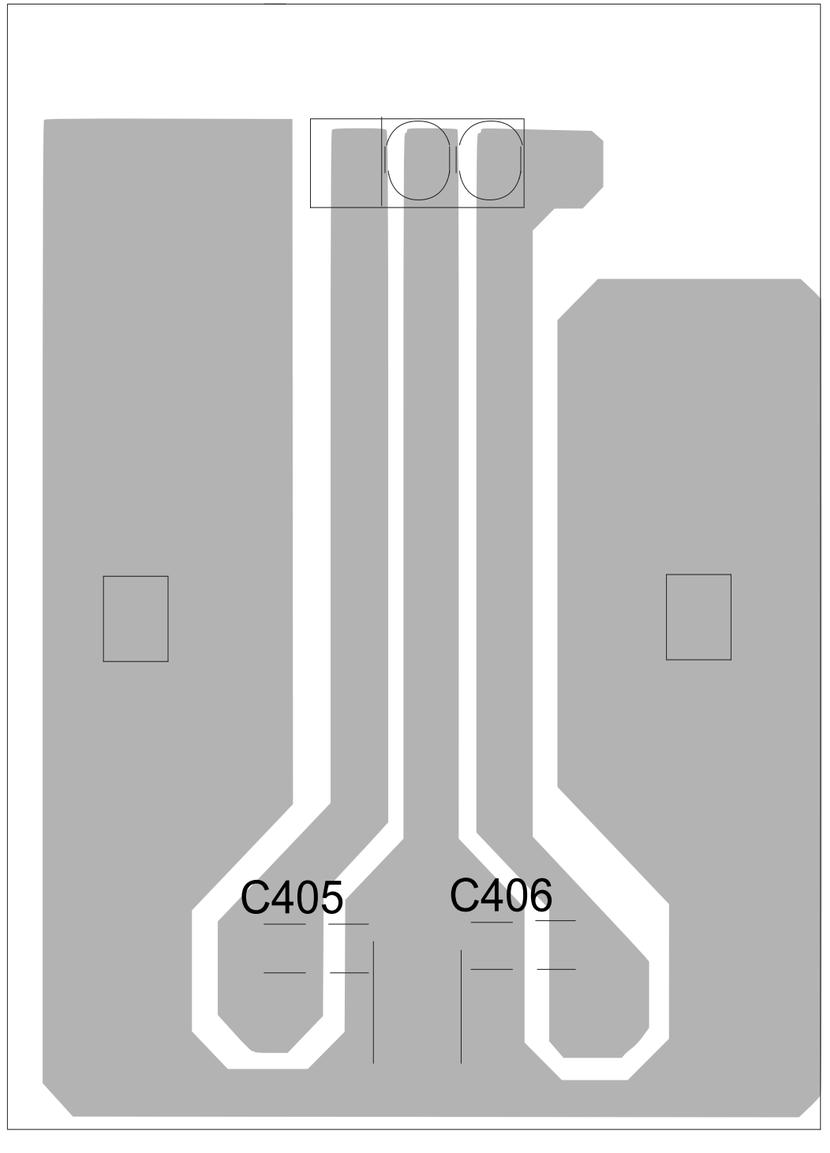
(foward side)



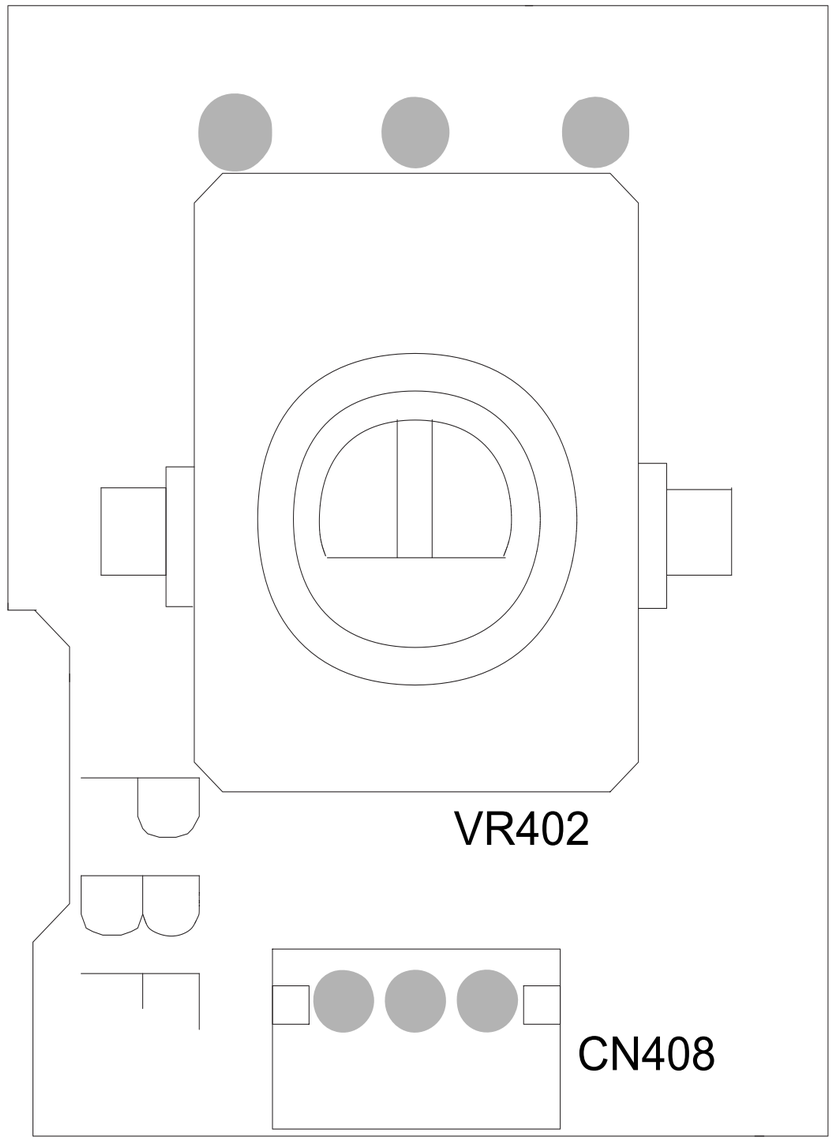
(reverse side)



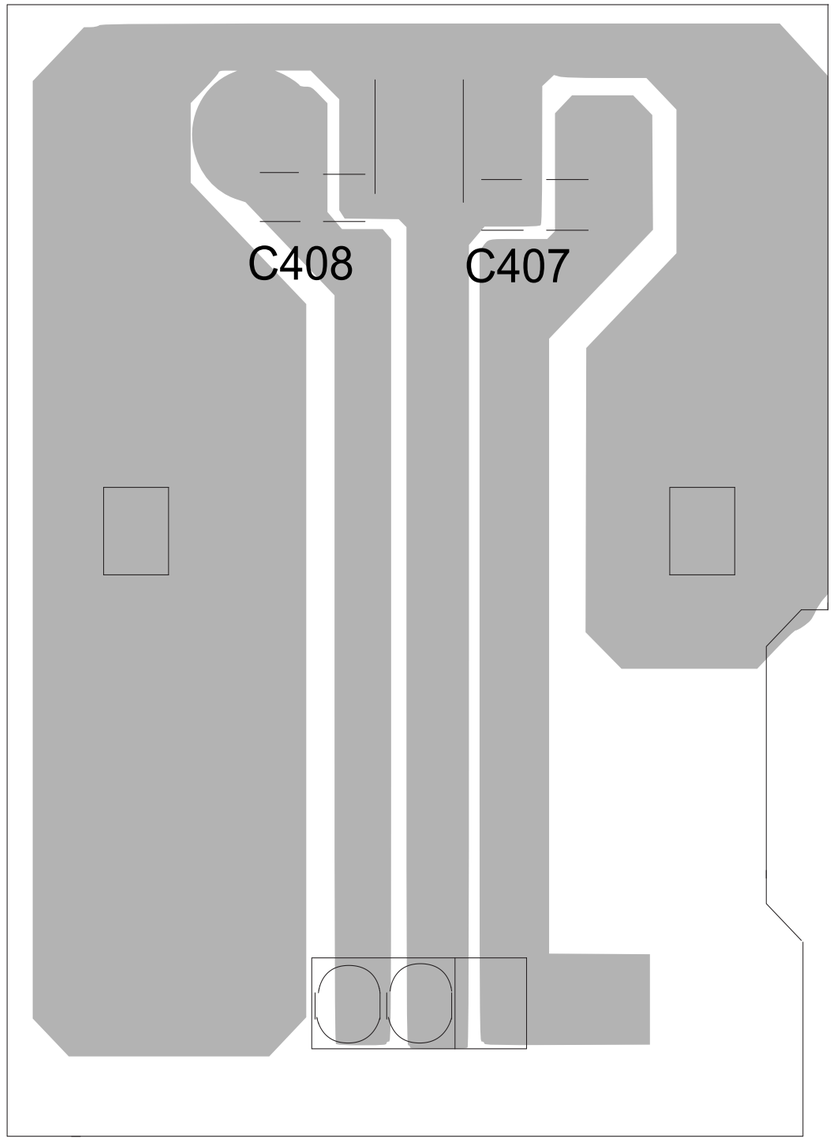
<Woofer vol board>

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

(foward side)



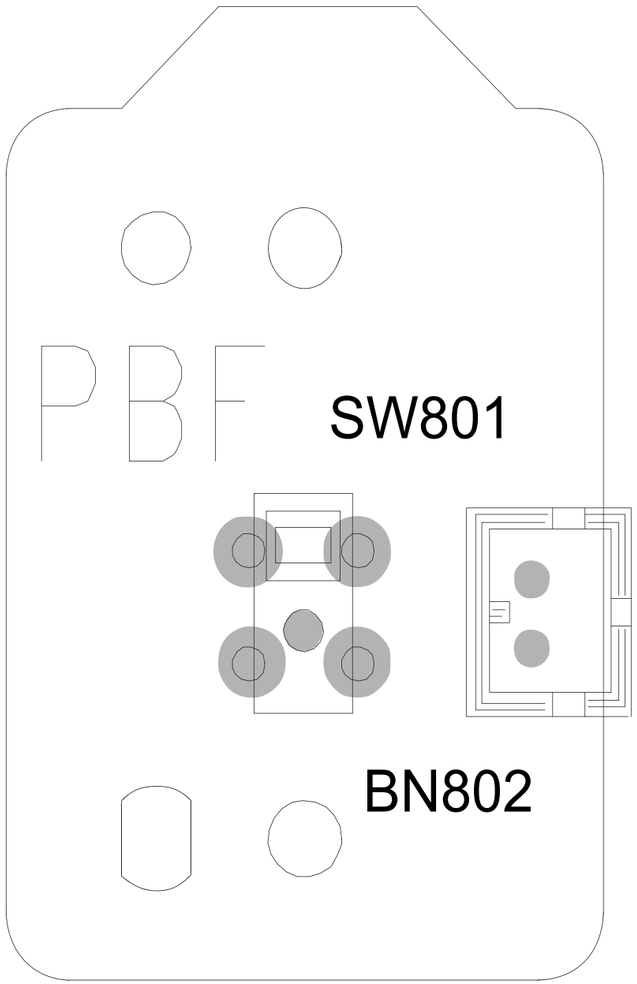
(reverse side)



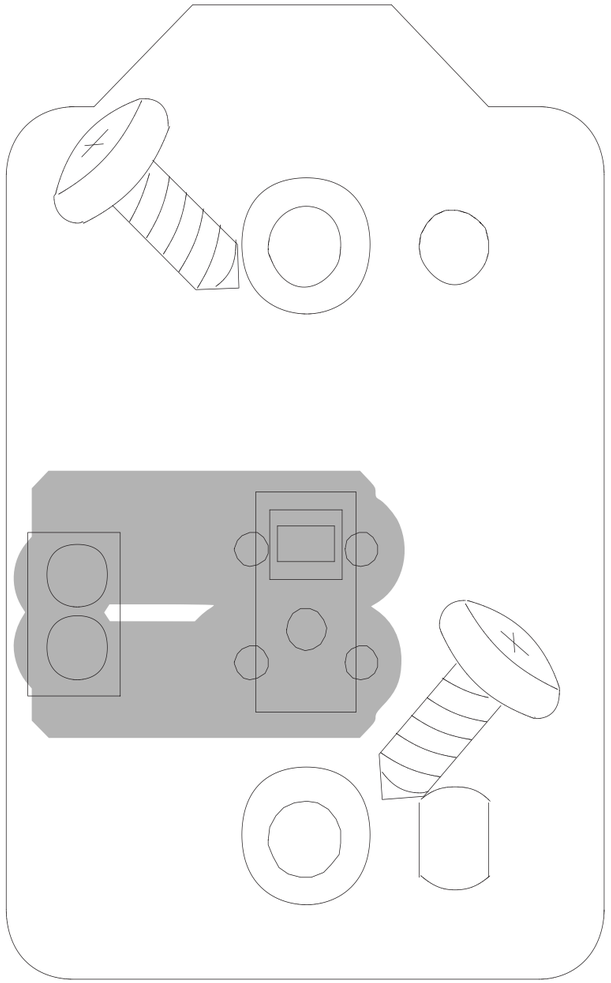
<Door switch board>

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

(foward side)



(reverse side)



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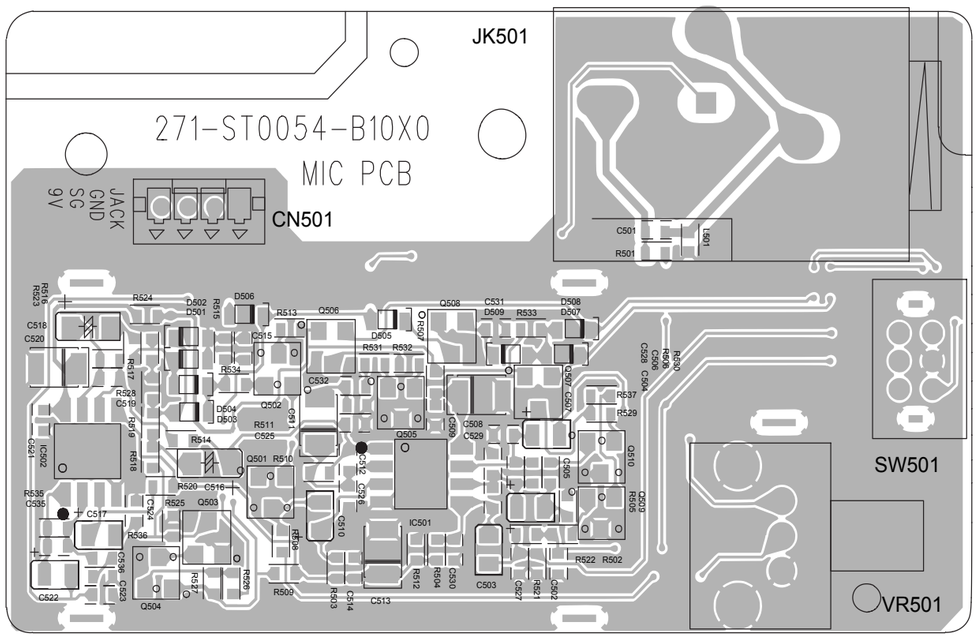
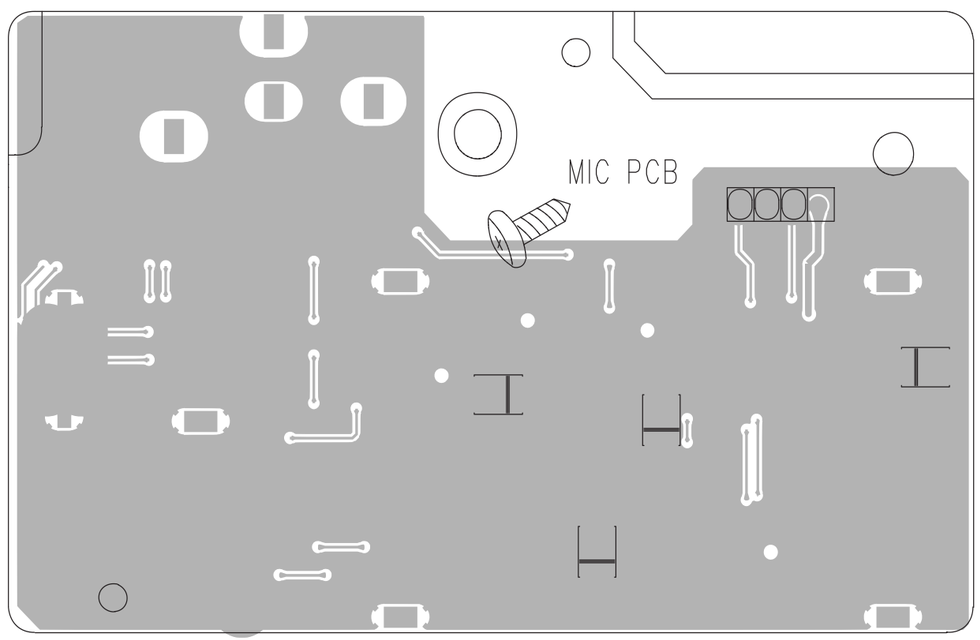
(foward side)



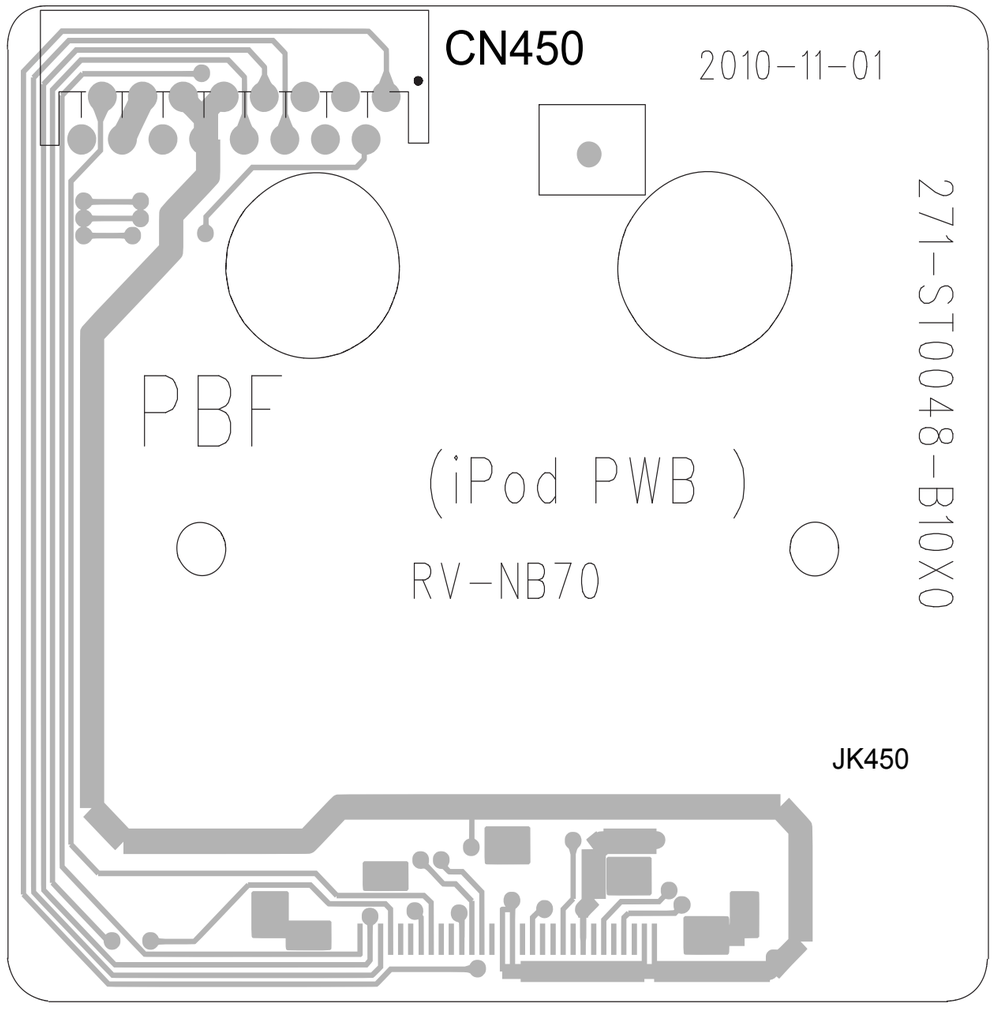
(reverse side)



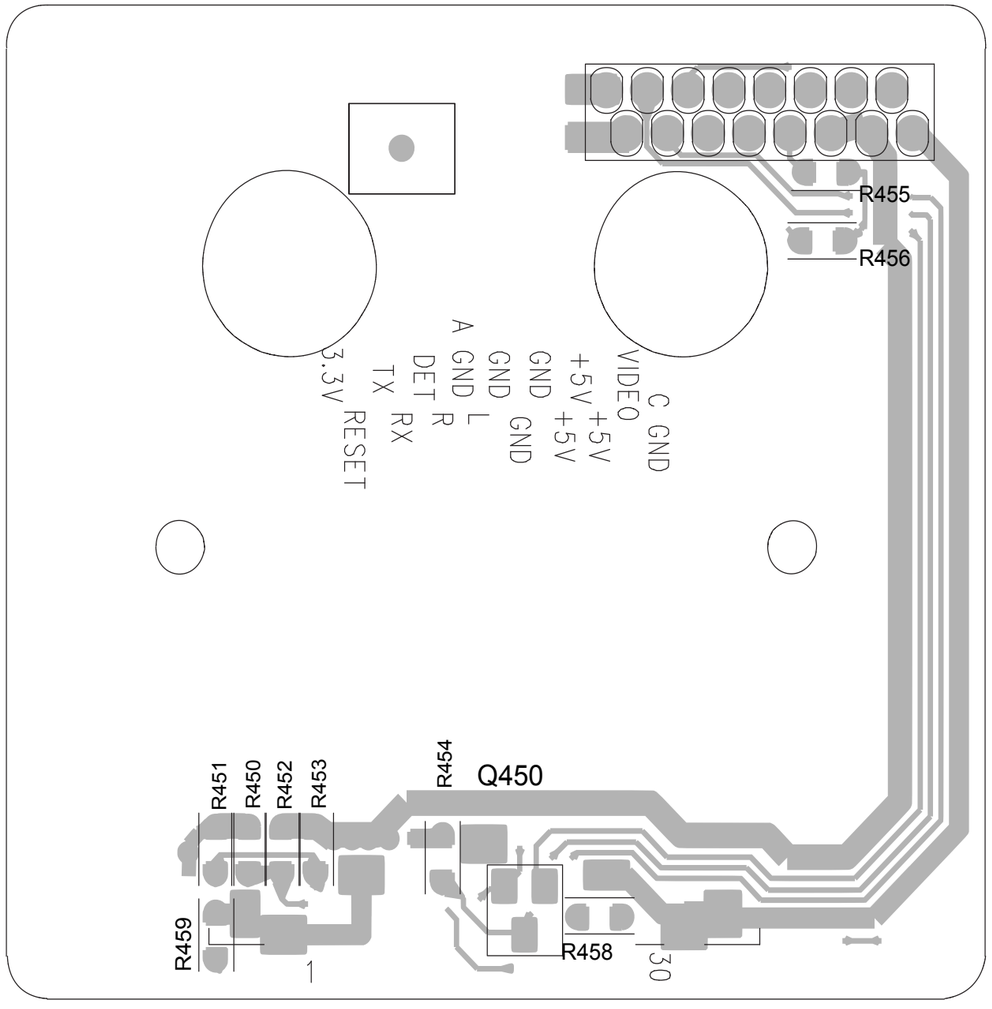
<iPod board>

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

(foward side)



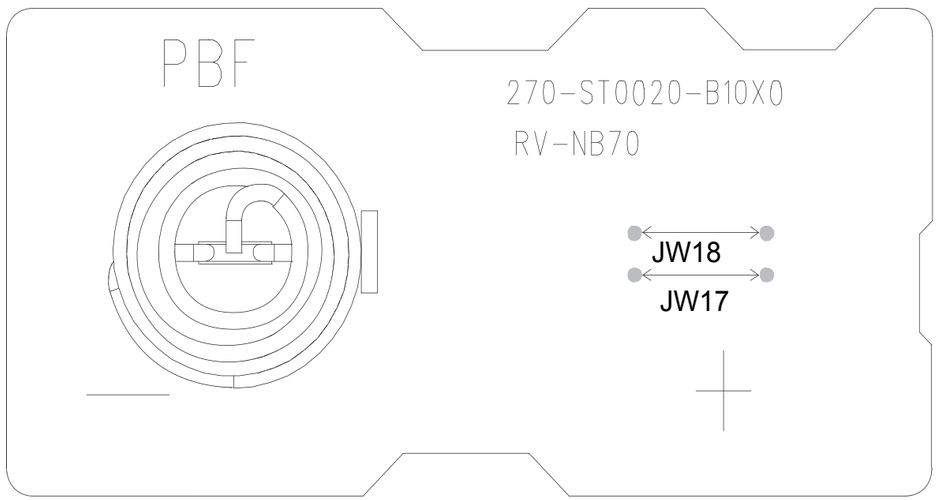
(reverse side)



<Battery board L>

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

(foward side)



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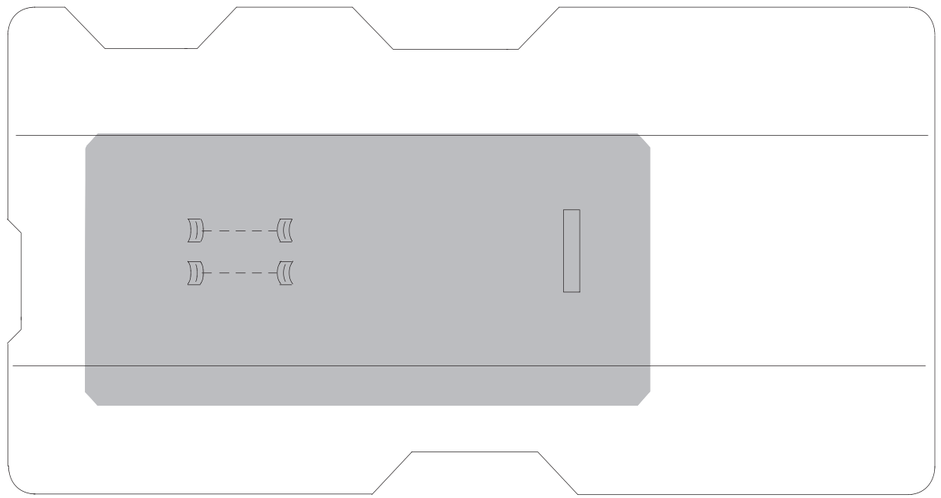

<Battery board R>

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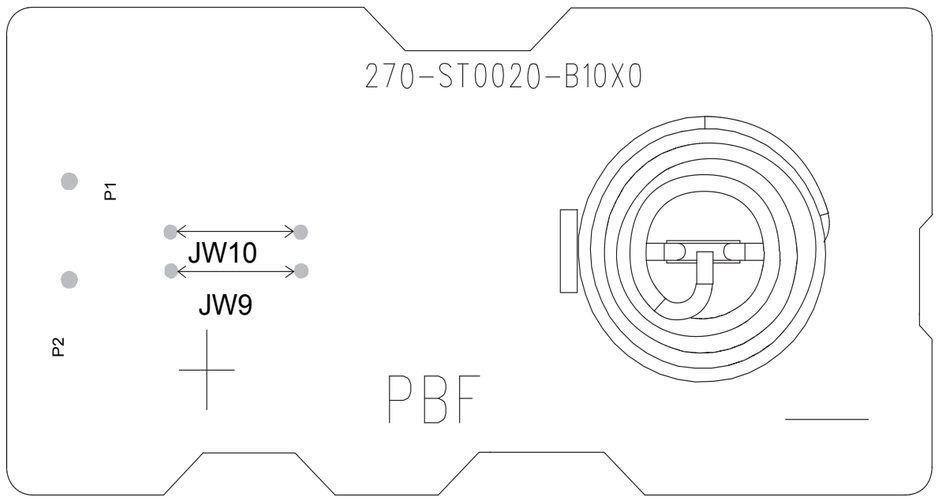
(foward side)



(reverse side)