



SCHEMATIC DIAGRAMS

CD RECEIVER

KD-R218J	KD-R311E	KD-R311EU
KD-R311EY	KD-R312E	KD-R312EU
KD-R312EY	KD-R314UI	KD-R315U
KD-R315UN	KD-R315UT	KD-R315UH
KD-R315UW	KD-R316U	KD-R316UN
KD-R316UT	KD-R316UH	KD-R316UW
	KD-R317EE	KD-R318UF



■ 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 \triangle 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

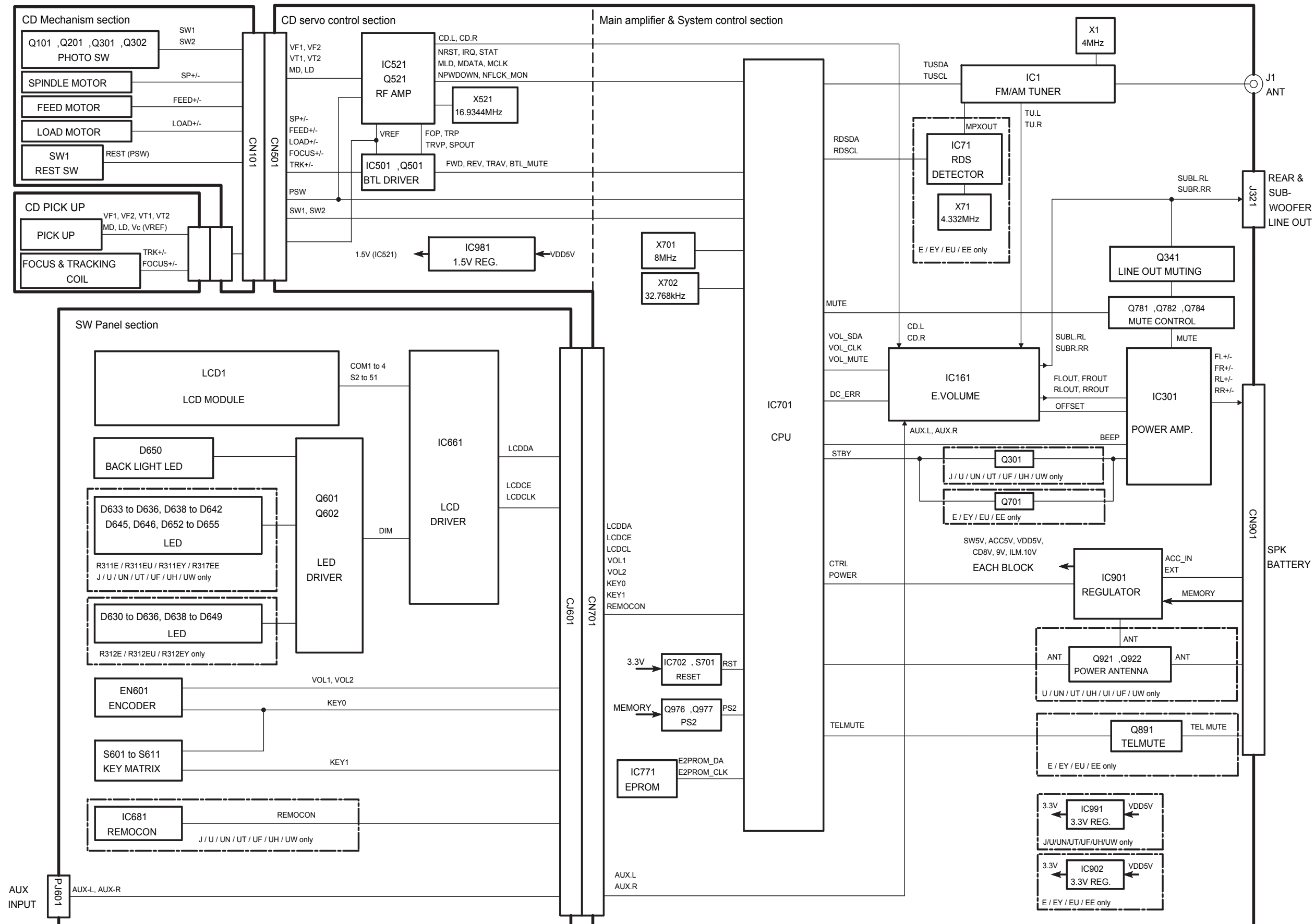
Certain parts of the power circuits and the GNDs differ according to the models. Care must be taken for the following points as the differences are indicated separately in the LIVE GND () and the ISOLATED (NEUTRAL) GND (.

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.

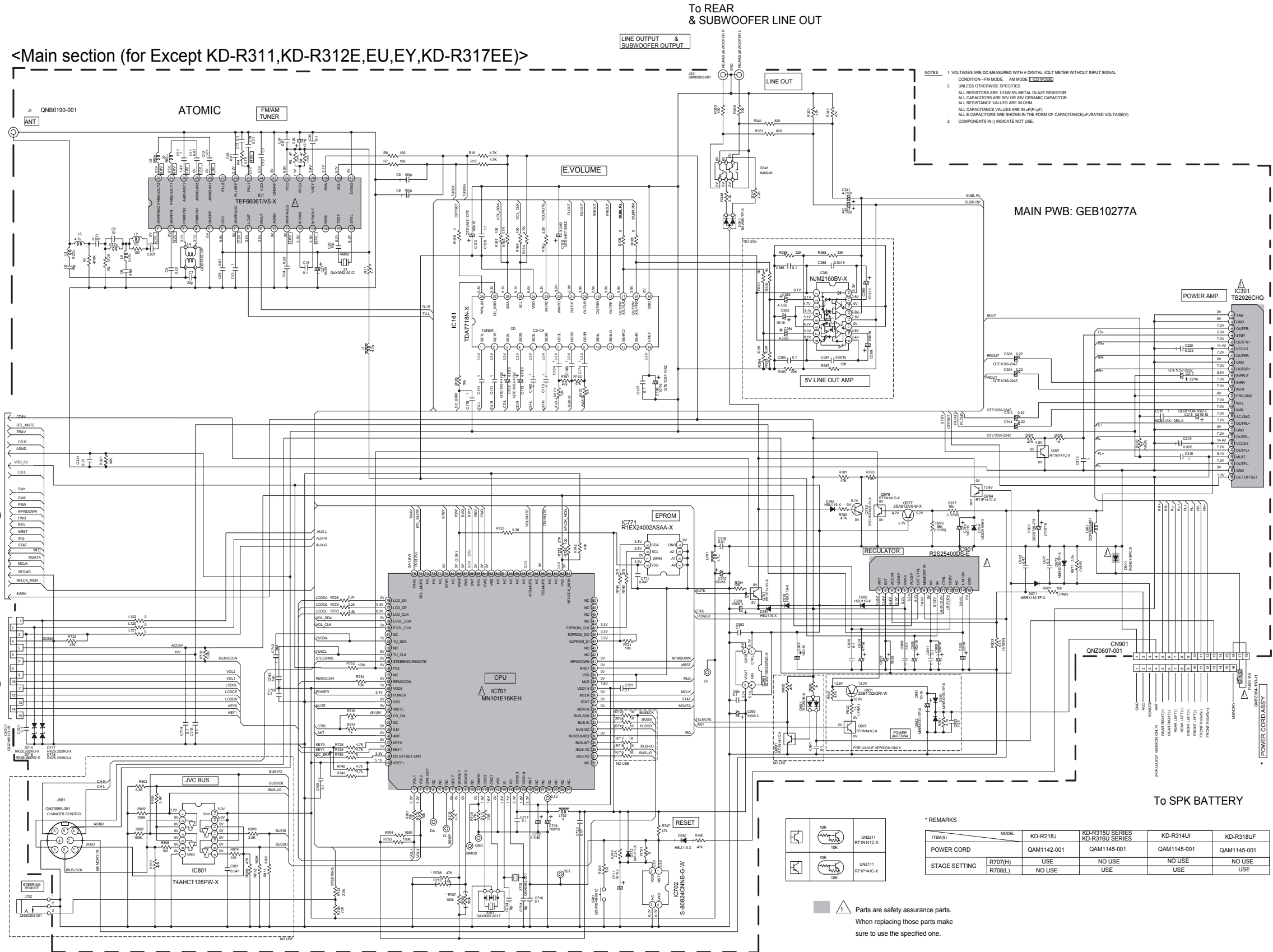
■ DEVIATION TOLERANCE RANGE

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



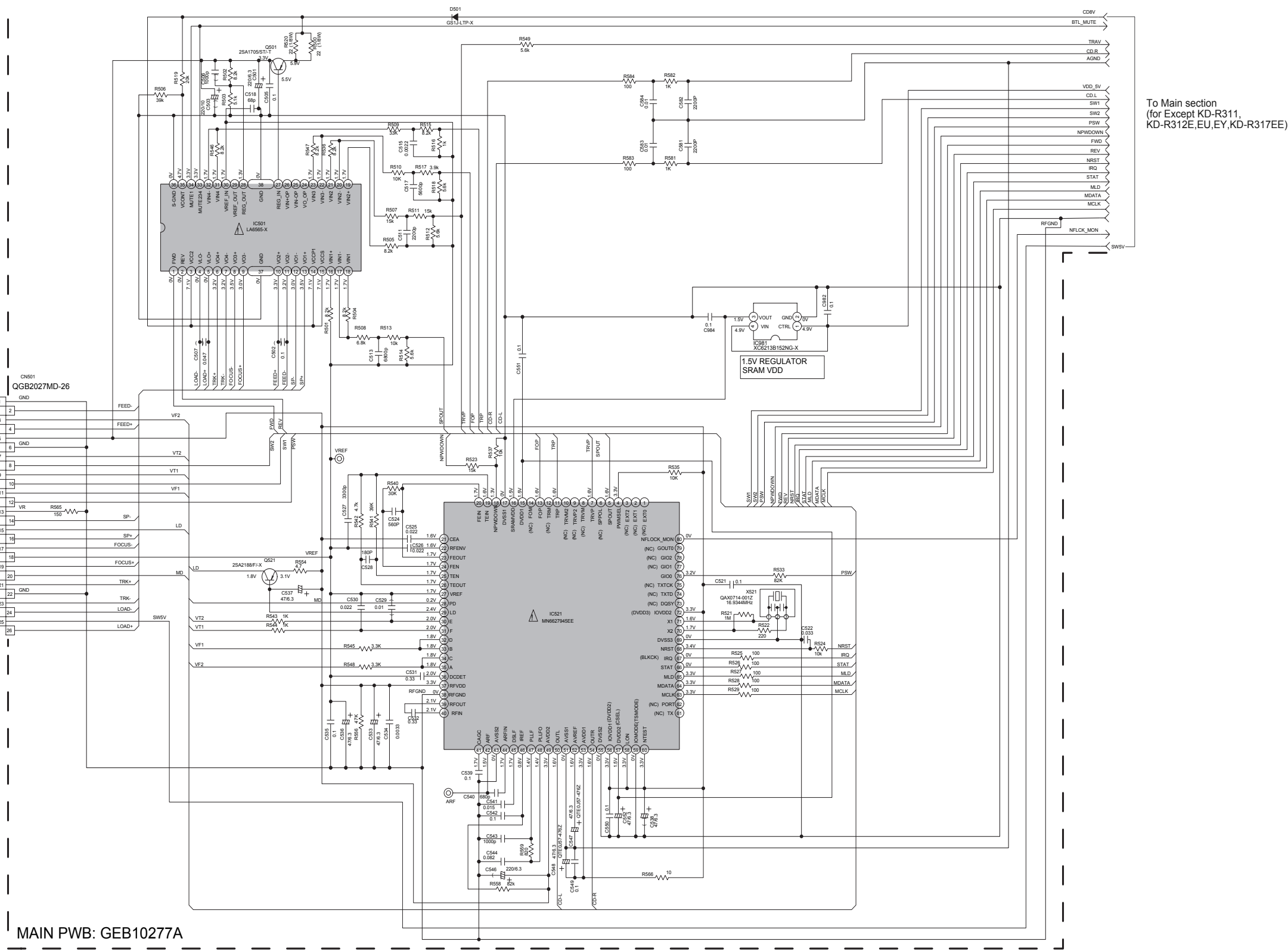
<Main section (for Except KD-R311,KD-R312E,EU,EY,KD-R317EE)>



To CD section
(for Except KD-R311,
KD-R312E,EU,EY,KD-R317EE)

To LCD & Key control section
(for Except KD-R311,
KD-R312E,EU,EY,KD-R317EE)
CJ601

<CD section (for Except KD-R311,KD-R312E,EU,EY,KD-R317EE)>



To Main section
(for Except KD-R311,
KD-R312E,EU,EY,KD-R317EE)

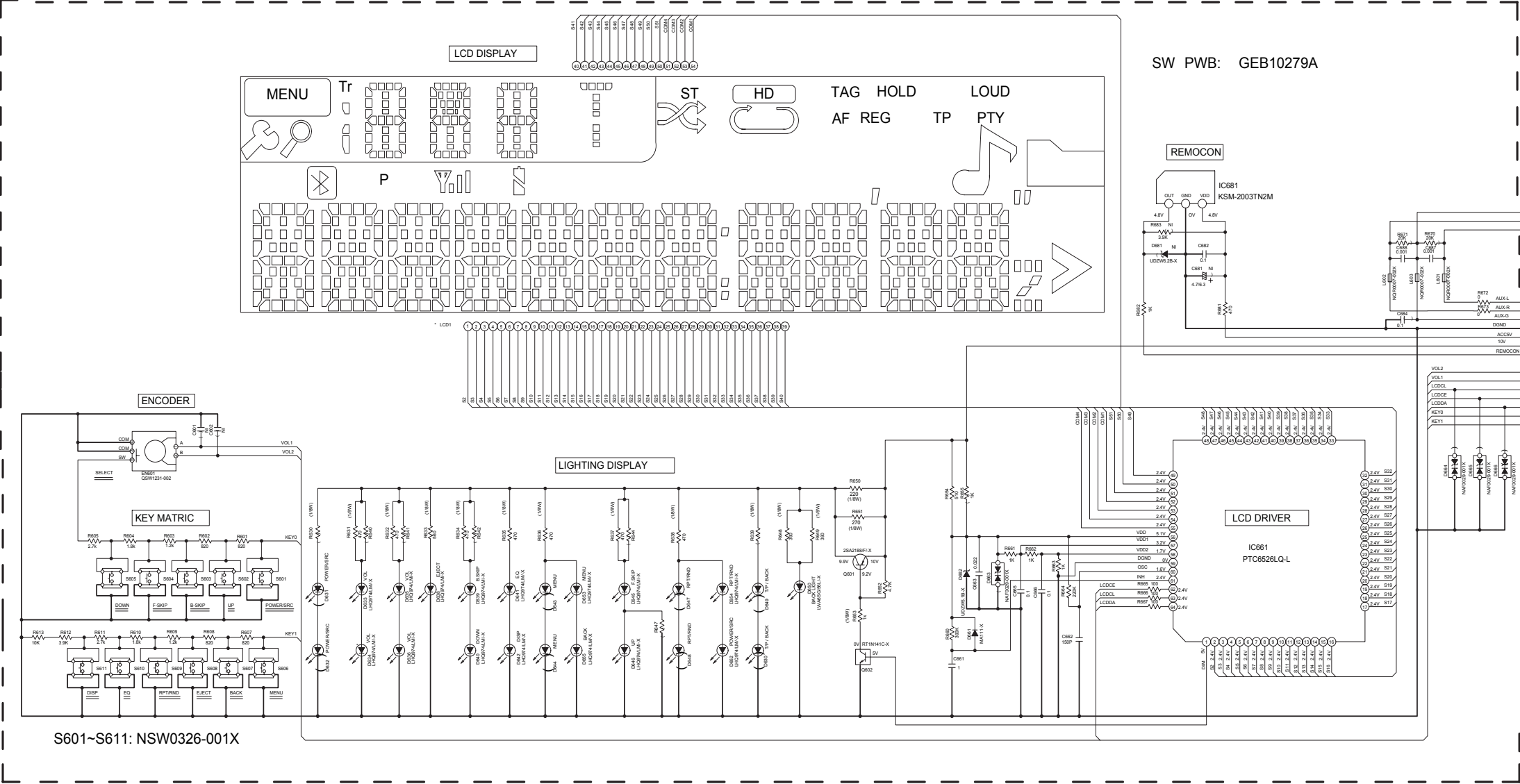
To Mecha control section
CN101

MAIN PWB: GEB10277A

NOTES:
1. VOLTAGE ARE DC-MEASURED WITH A DIGITAL
VOLTMETER. WITHOUT INPUT SIGNAL CONDITION
--- CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTOR ARE 1/8W 5% METAL GLAZE RESISTOR.
ALL CAPACITOR ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN uF(pF).
ALL INDUCTANCE VALUES ARE IN uH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE/(RATED VOLTAGE(V))

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

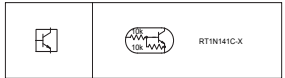
<LCD & Key control section (for Except KD-R311,KD-R312E,EU,EY,KD-R317EE)>



S601~S611: NSW0326-001X

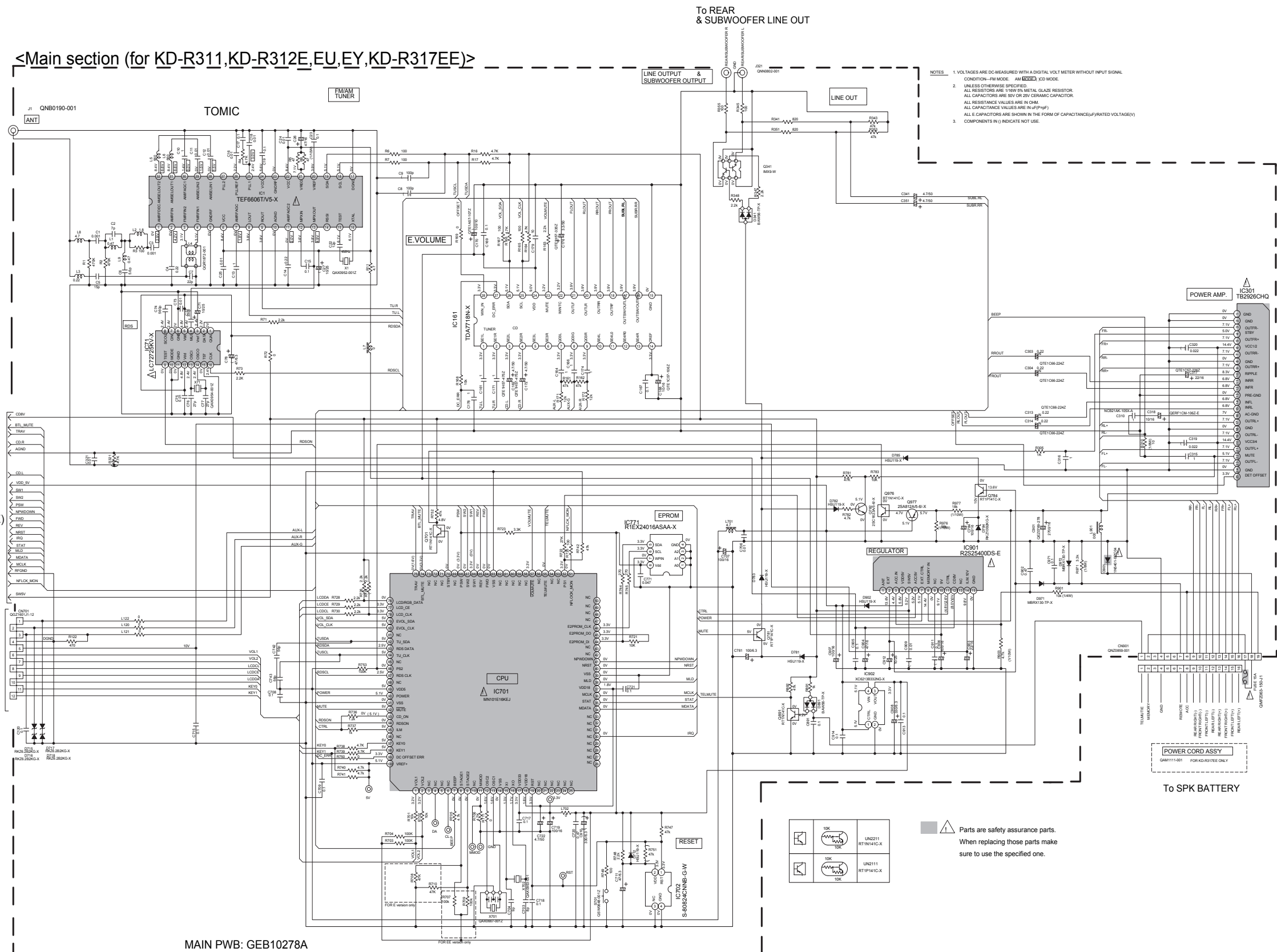
* REMARKS:

	KD-R310LD	KD-R314LD
LCD	LCD1	QLD0631-001
		QLD0628-001

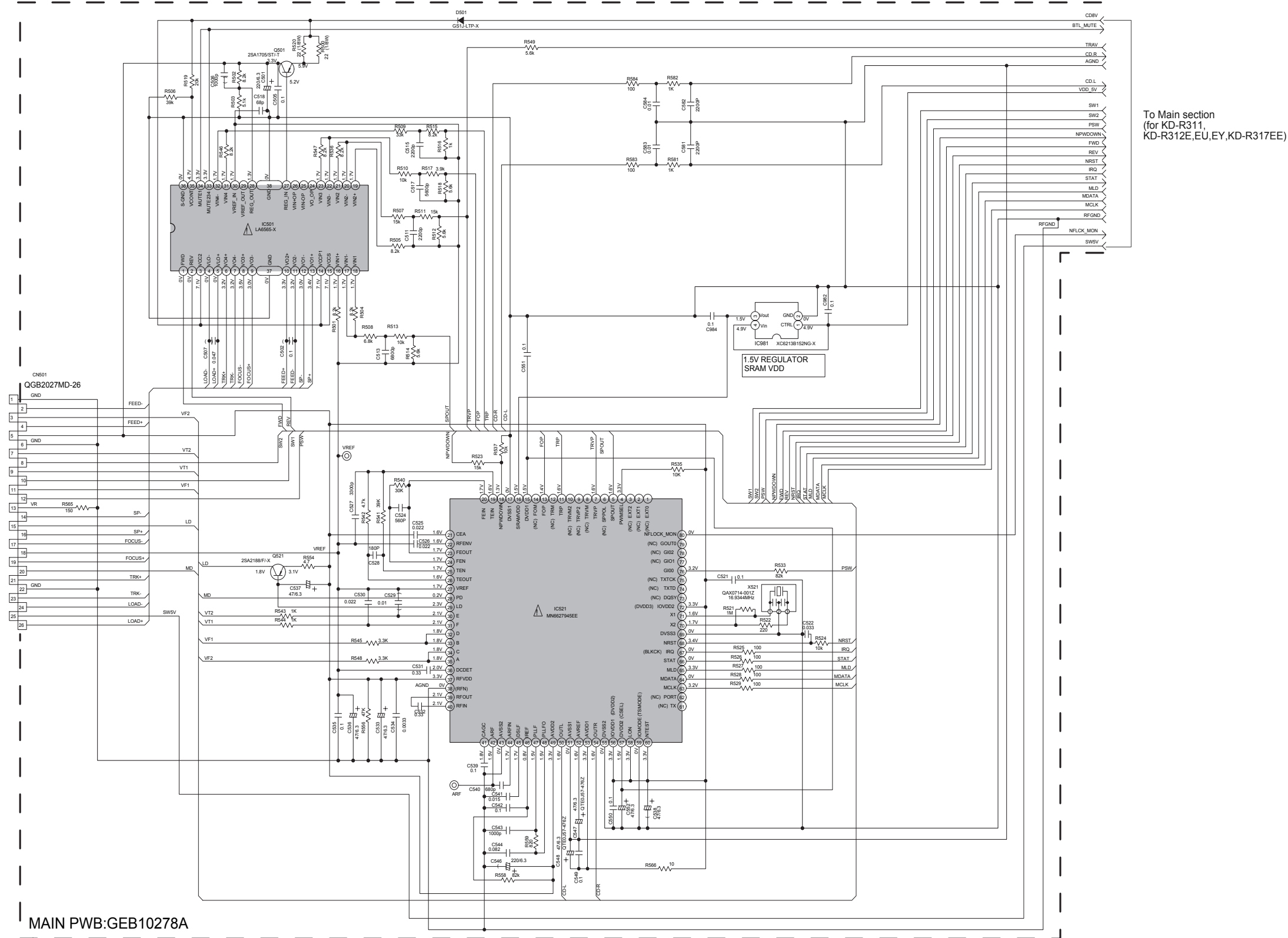


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOL-T METER WITHOUT INPUT SIGNAL.
2. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN μF(PF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF/RATED VOLTAGE(V)).
T --- TANTALUM CAPACITOR.
3. COMPONENTS IN () INDICATE NOT USE.



<CD section (for KD-R311,KD-R312E,EU,EY,KD-R317EE)>






To Main section
(for KD-R311,
KD-R312E,EU,EY,KD-R317EE)

To Mecha control section
CN101

MAIN PWB:GEB10278A

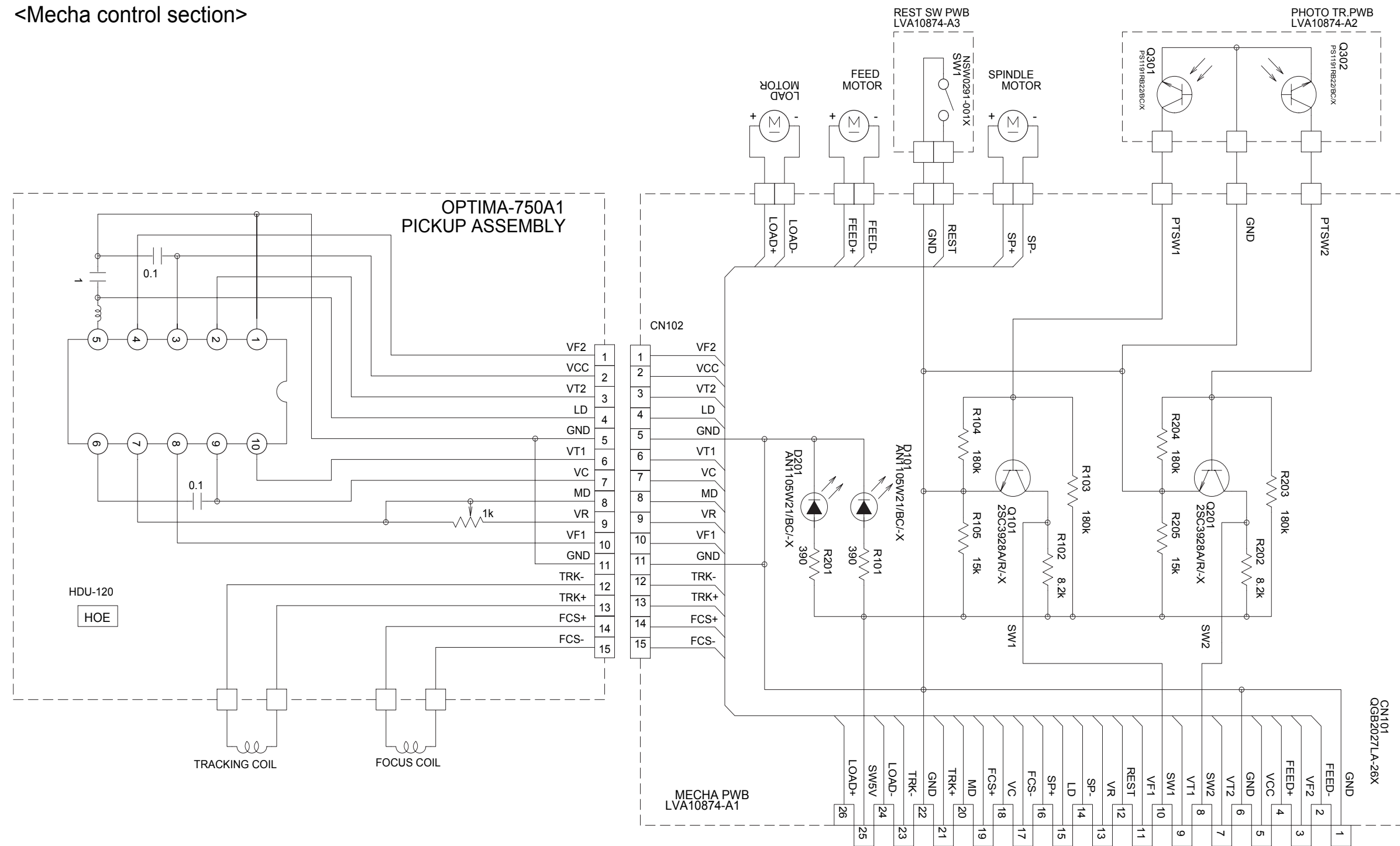
- NOTES:
- VOLTAGE ARE DC-MEASURED WITH A DIGITAL VOLTMETER WITHOUT INPUT SIGNAL CONDITION
— CD MODE
 - UNLESS OTHERWISE SPECIFIED:
ALL RESISTOR ARE 1/16W 5%METAL GLAZE RESISTOR.
ALL CAPACITOR ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM
ALL CAPACITANCE VALUES ARE IN uF(p,pF).
ALL INDUCTANCE VALUES ARE IN uH
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)

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

			RT1N141C-X
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- created date:2009-12-15

<Mecha control section>

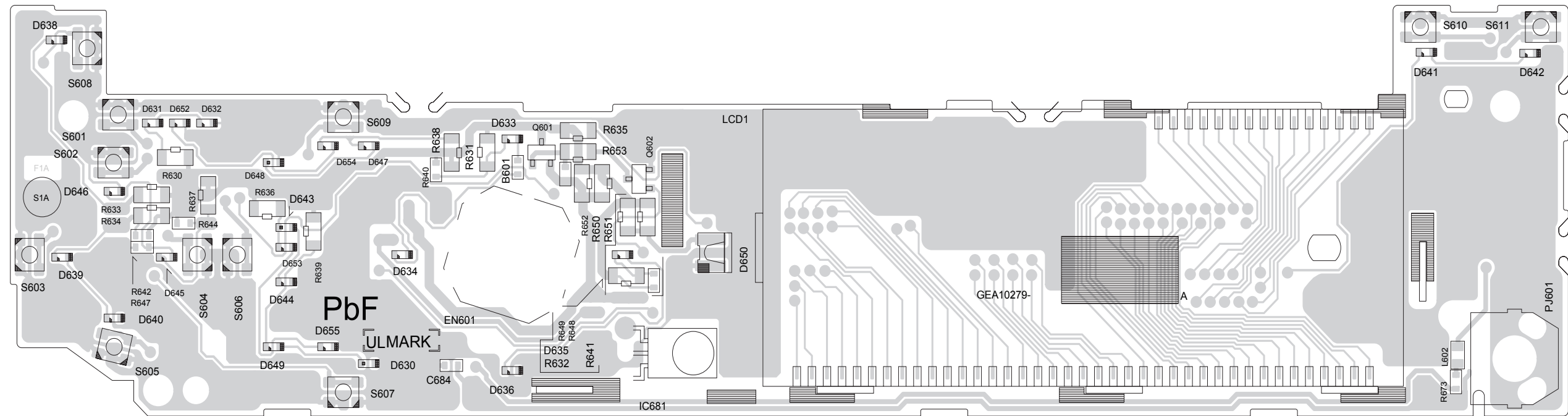


To CD section
(for Except KD-R311,
KD-R312E,EU,EY,KD-R317EE)
CN501

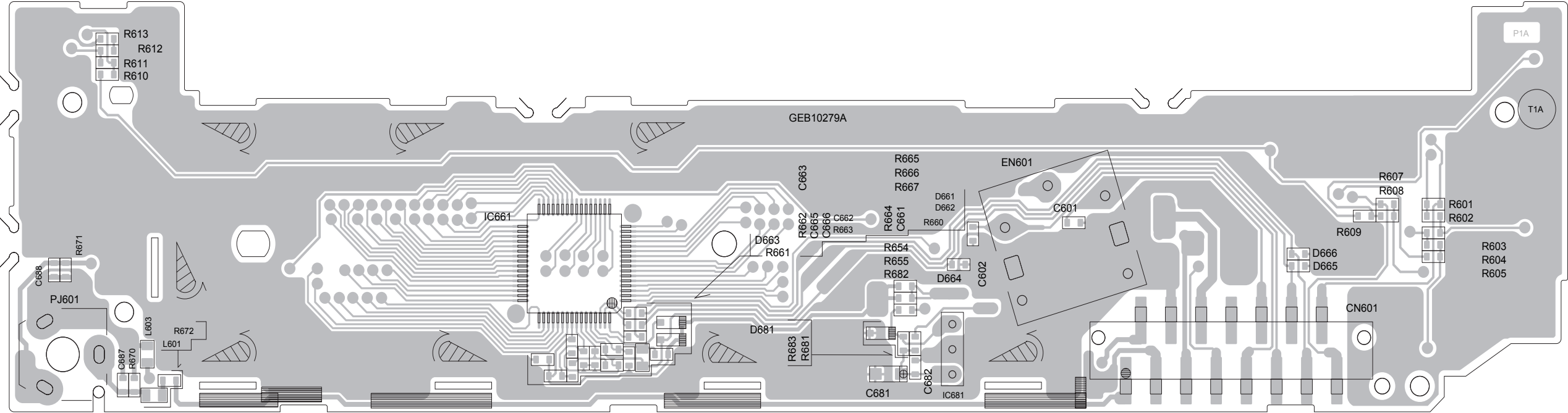
To CD section
(for KD-R311,KD-R312E,EU,EY,KD-R317EE)
CN501

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

<Switch board (for Except KD-R311,KD-R312E,EU,EY,KD-R317EE)>
(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



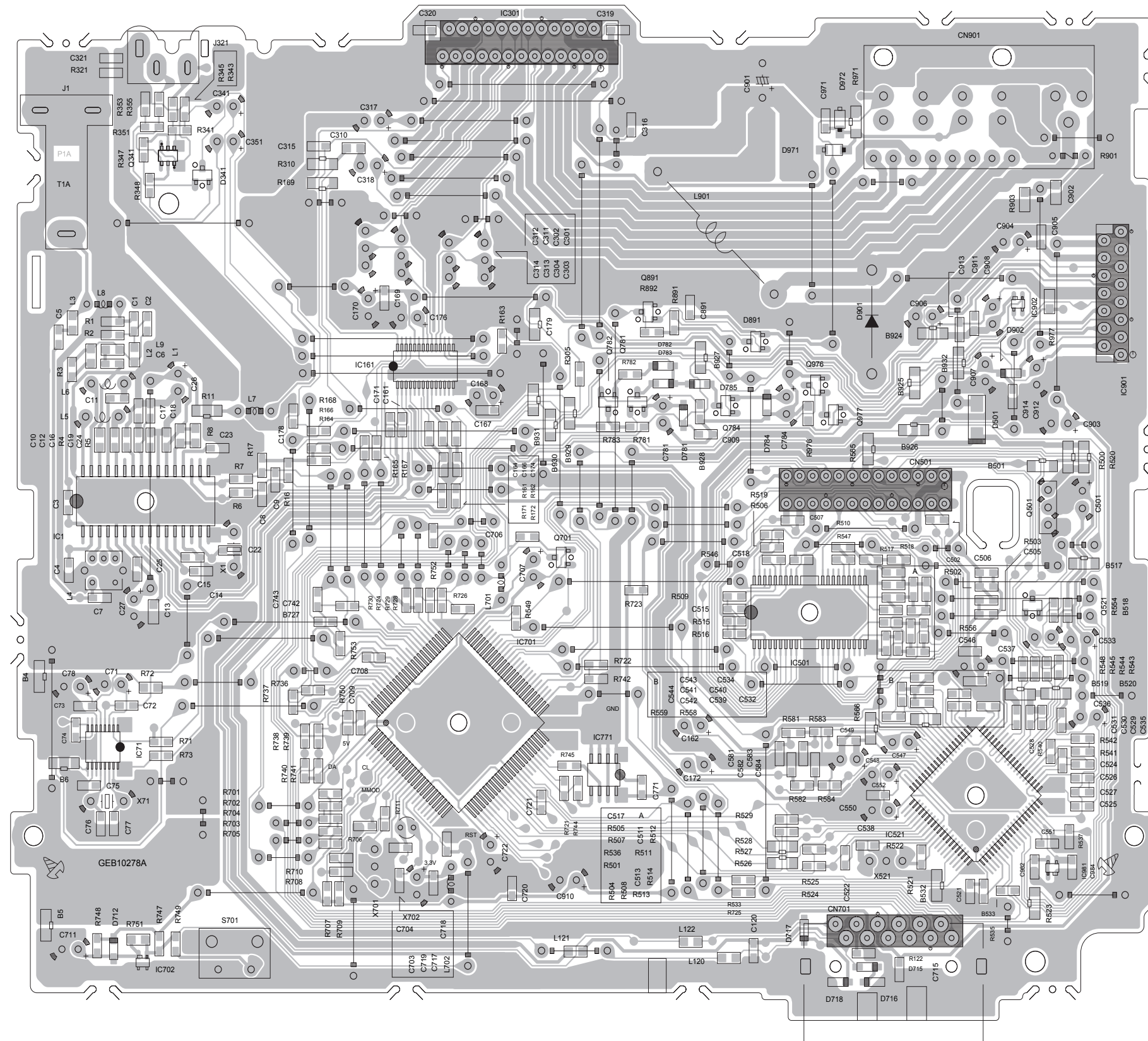
<Switch board (for Except KD-R311,KD-R312E,EU,EY,KD-R317EE)>
(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



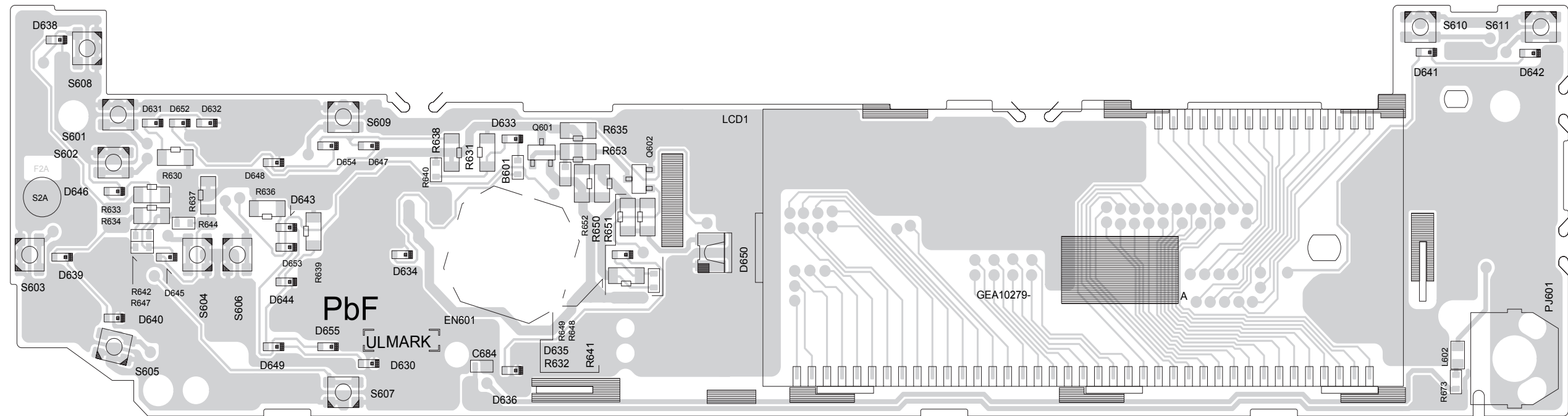
<Main board (for KD-R311,KD-R312E,EU,EY,KD-R317EE)>

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

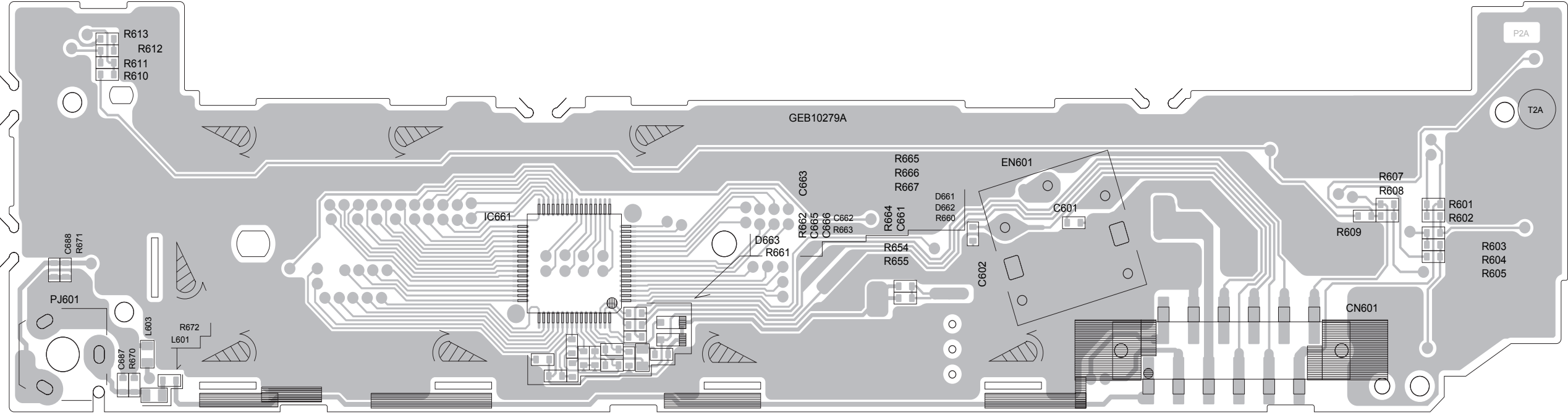
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



<Switch board (for KD-R311,KD-R312E,EU,EY,KD-R317EE)>
(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))

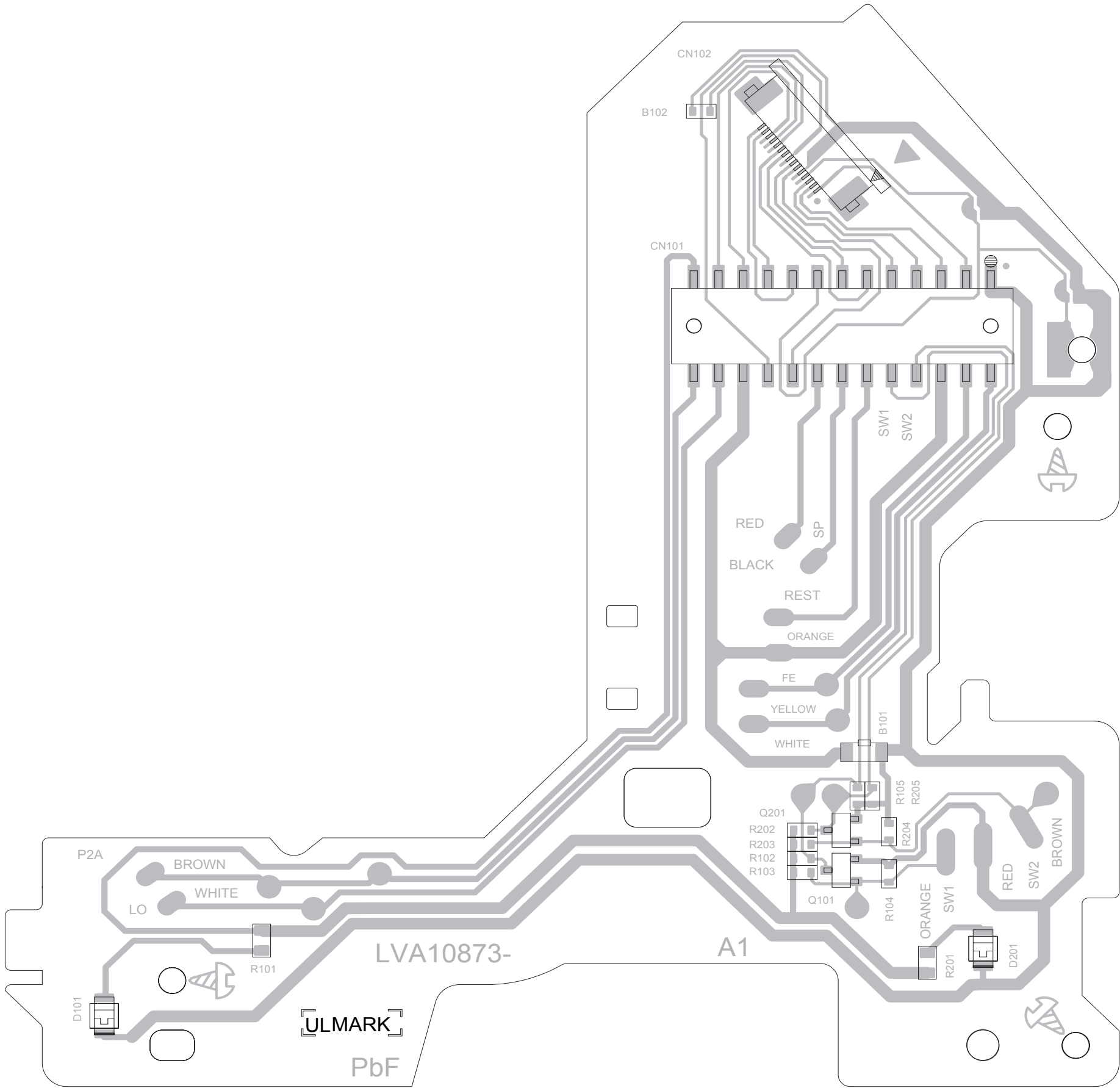


<Switch board (for KD-R311,KD-R312E,EU,EY,KD-R317EE)>
(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



<Mecha control board>

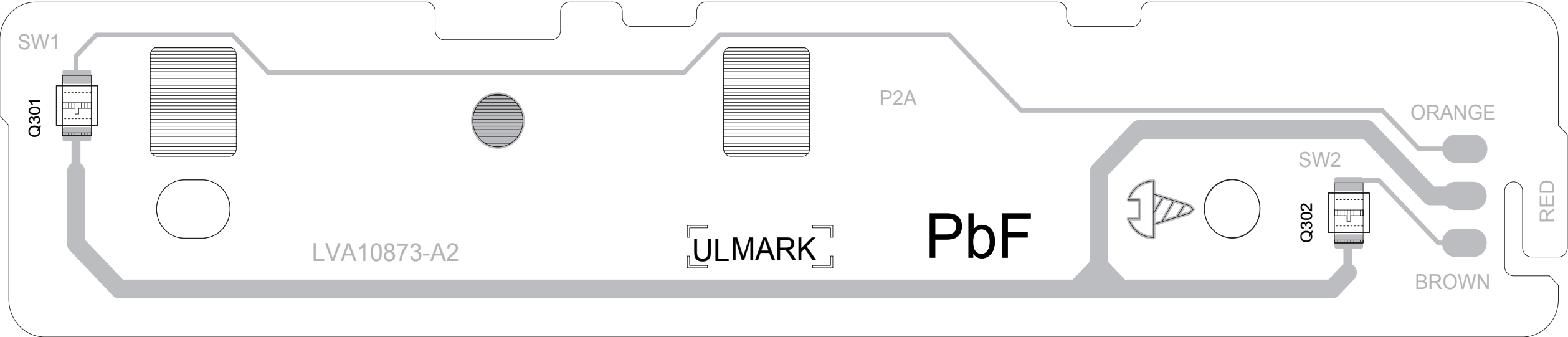
(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



<Photo board>

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

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



<Rest switch board>

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

