



SCHEMATIC DIAGRAMS

CD RECEIVER

KD-R430J	KD-R431E	KD-R431EN
KD-R431EU	KD-R431EY	KD-R432E
KD-R432EN	KD-R432EU	KD-R432EY
KD-R434UI	KD-R435U	KD-R435UN
KD-R436U	KD-R436UN	KD-R436UP
KD-R437EE	KD-R439UR	KD-R48EE
KD-R531E	KD-R531EN	KD-R531EU
	KD-R531EY	KD-R54J

■ 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

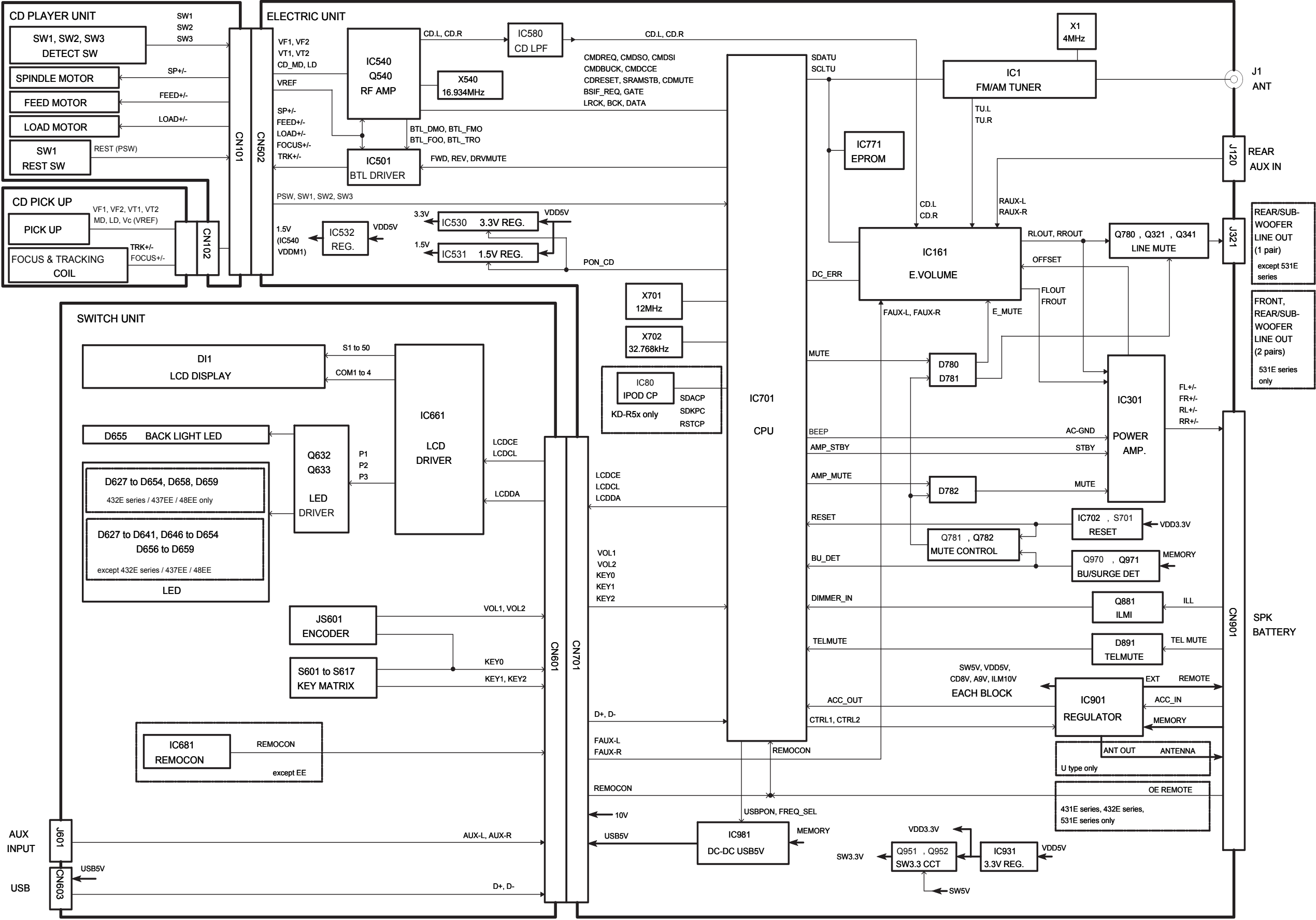
Certain parts of the power circuits and the GNDs differ according to the models. Care must be taken for the following points as the differences are indicated separately in the LIVE GND () and the ISOLATED (NEUTRAL) GND (.

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%

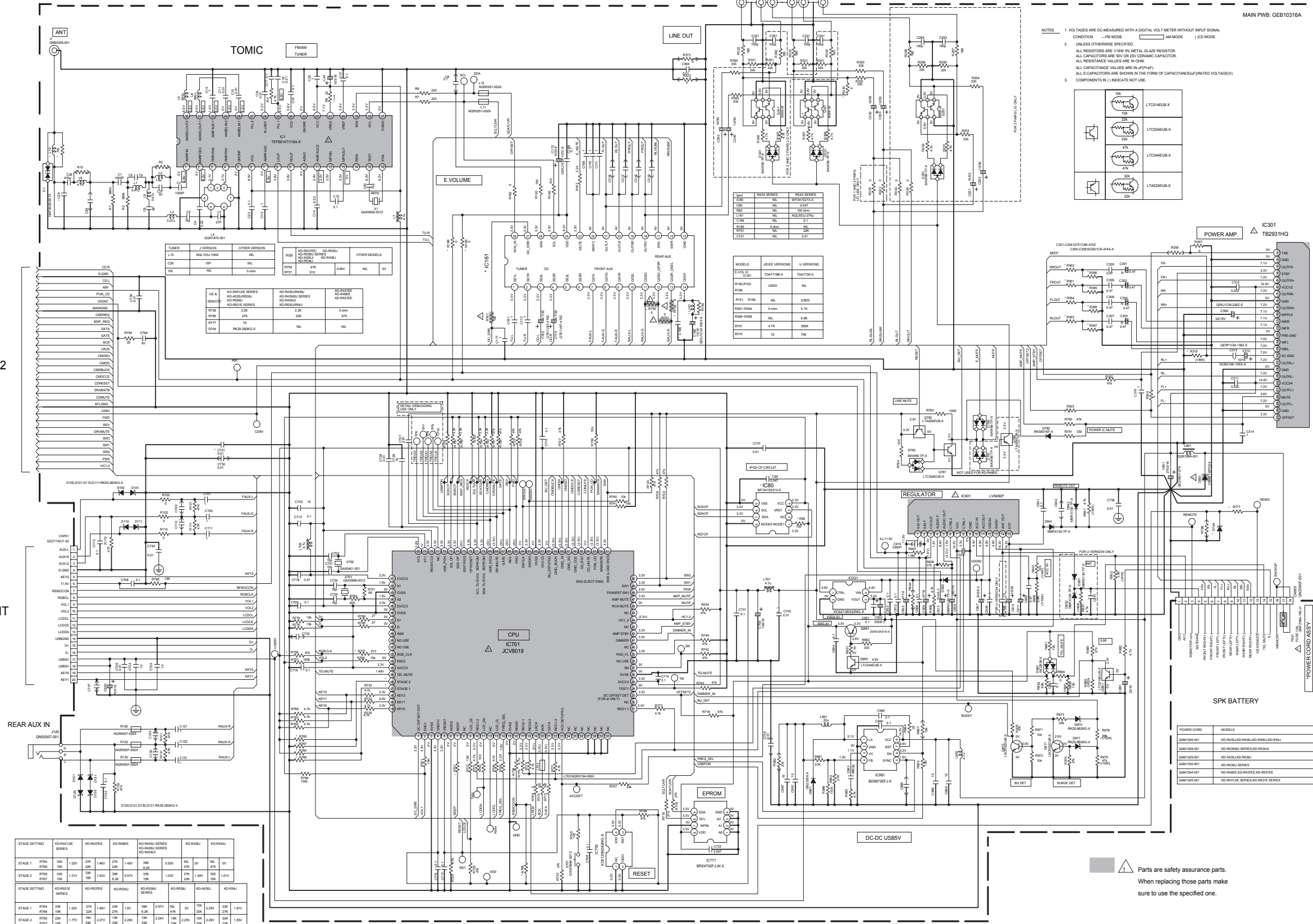
BLOCK DIAGRAM



ELECTRIC UNIT-1

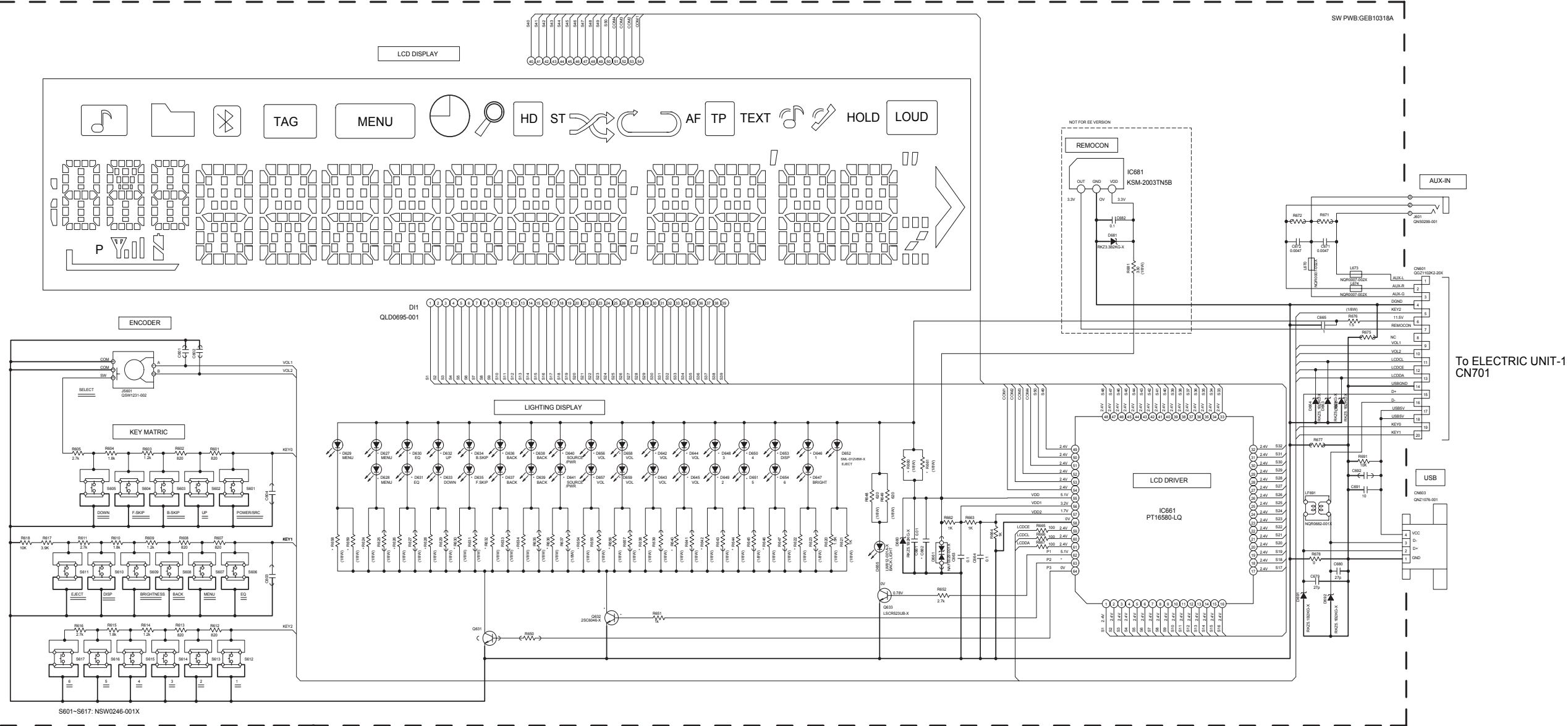
REAR / SUB-WOOFER LINE OUT
(1 pair)
except 531E series

FRONT, REAR / SUB-WOOFER
LINE OUT
(2 pairs)
531E series/54J only



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

SWITCH UNIT



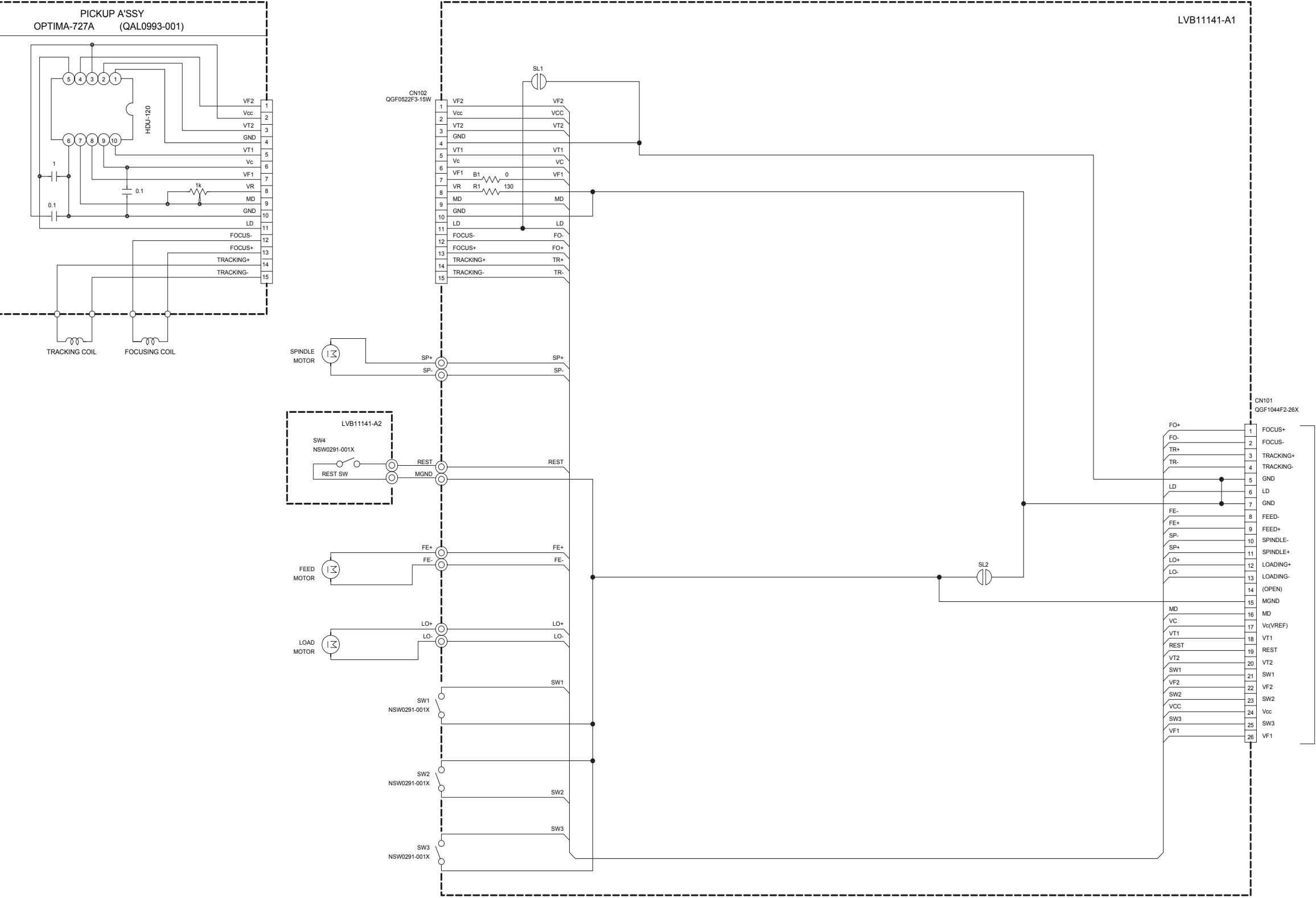
Remote Sensor Circuit		
MODELS	FOR J4VE VERSIONS (WITH IC681)	FOR EE VERSION (WITHOUT IC681)
R600	470	300
R601	470	-
C602	1 U	0.1 U

Transistor Voltage		
MODELS	FOR J4V VERSIONS	FOR EEE VERSIONS
Q602	0.3V	2.2V
Q603	0.85V	0.7V
IC681 P2	5.1V	4.1V

LIGHTING TABLE				
MODELS	KD-R431E SERIES, KD-R430J KD-R430U SERIES, KD-R434J KD-R54J	KD-R430U SERIES	KD-R430E SERIES KD-R437EE KD-R46EE	KD-R531E SERIES
D607 - D641 D645 - D651 D653 - D654 D658 - D659	SML-D129BW-X (RED)	SML-D11WT-X (YELLOW AMBER)	SML-D129BW-X (GREEN)	KLS-16B-X (BLUE)
D642, D643, D644, D646 R638, R640	NOT USED	NOT USED	SML-D129BW-X (GREEN)	NOT USED
D656, D657 R654	SML-D129BW-X 470	SML-D11WT-X 470	NOT USED	KLS-16B-X 820
R624, R626, R628 R630, R632, R634 R636, R638	470	470	470	430
R632, R642 R644, R646	470	470	470	430
R658 R659	1.5K 1K	1.5K 1K	1.5K 1K	3.3K 2.2K

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL
 - 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 (P-P)
ALL E CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V)
T - TANTALUM CAPACITOR.
 - COMPONENTS IN () INDICATE NOT USED.

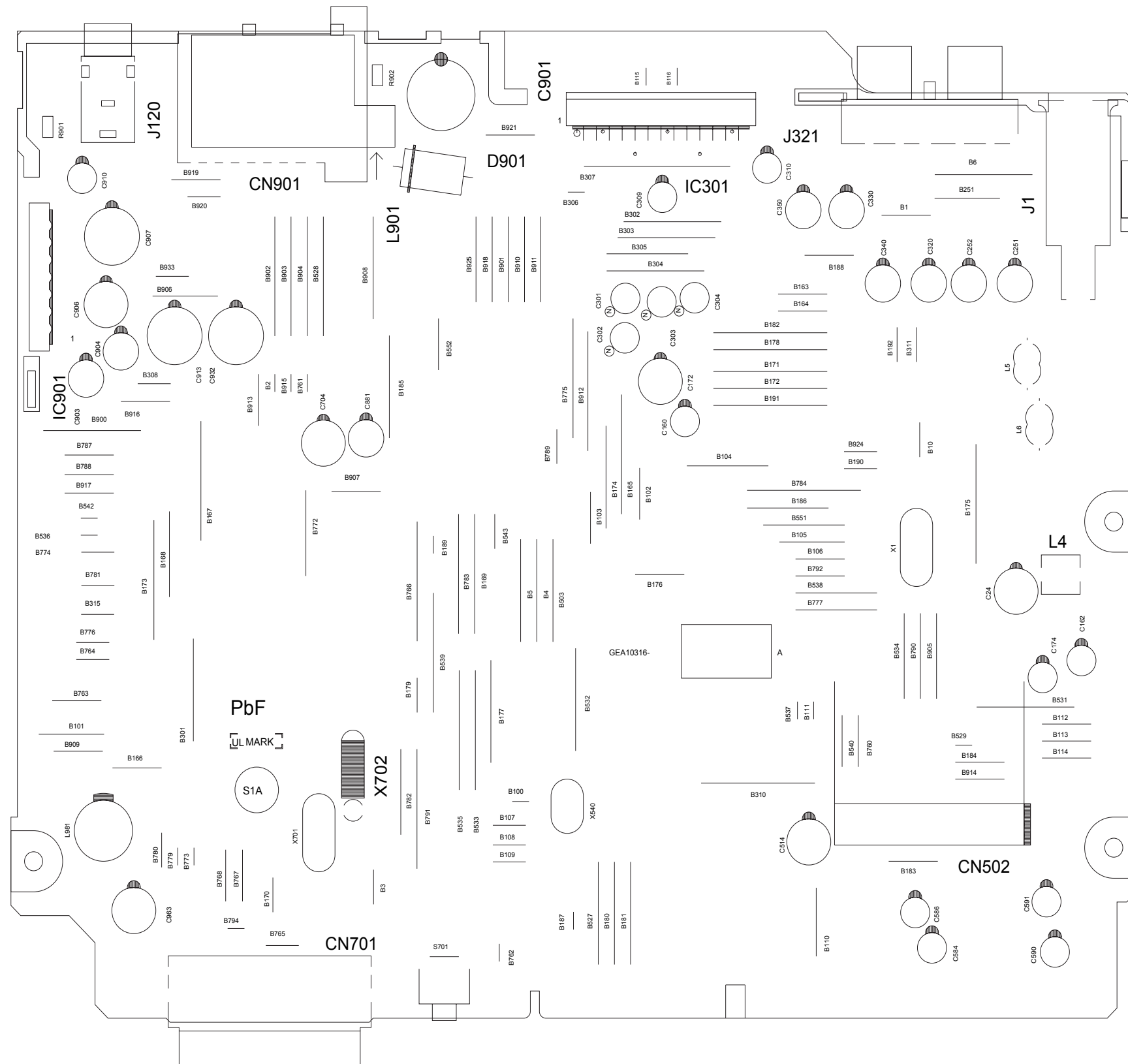
CD PLAYER UNIT



To ELECTRIC UNIT-2
CN502

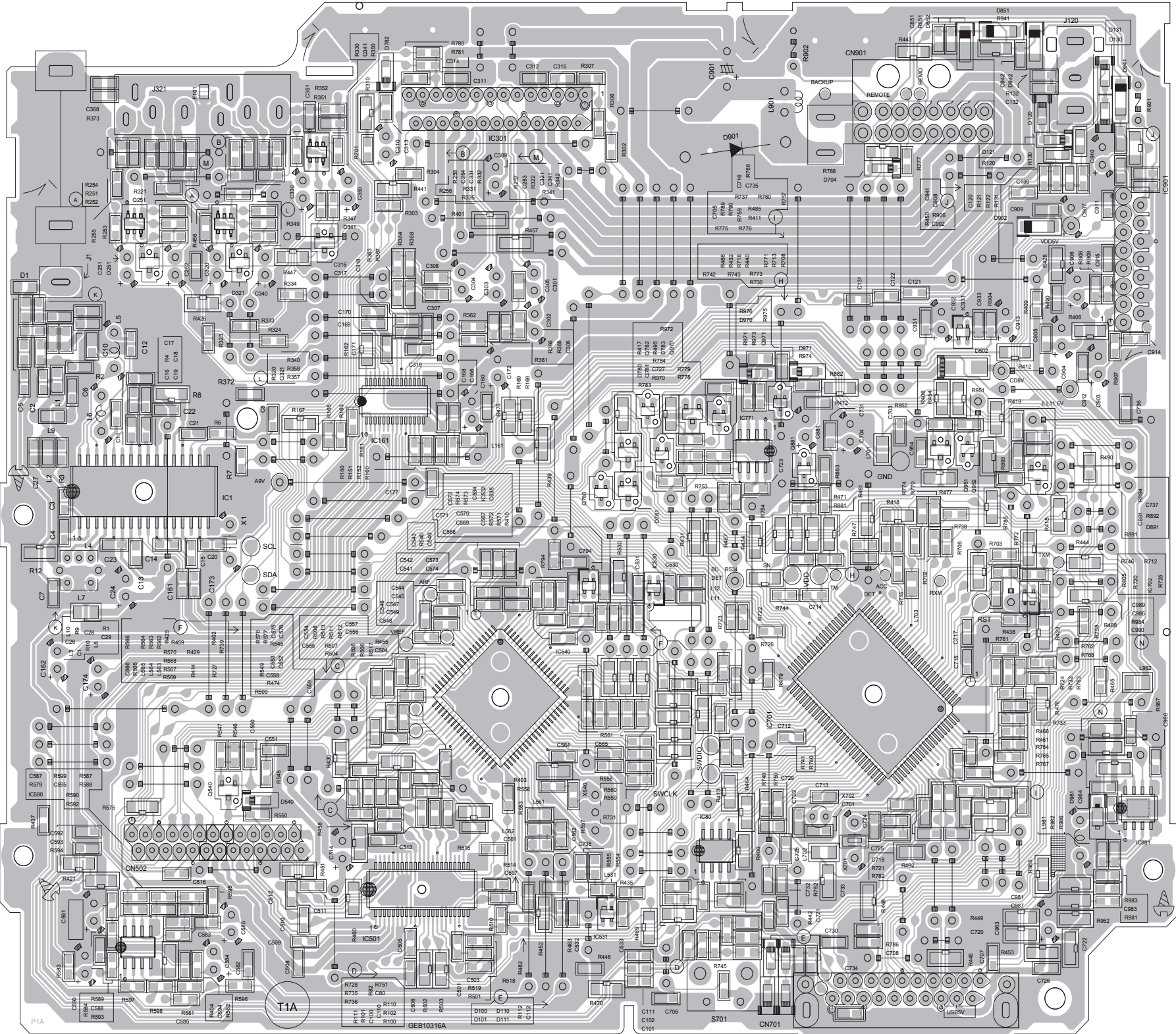
ELECTRIC UNIT

(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))



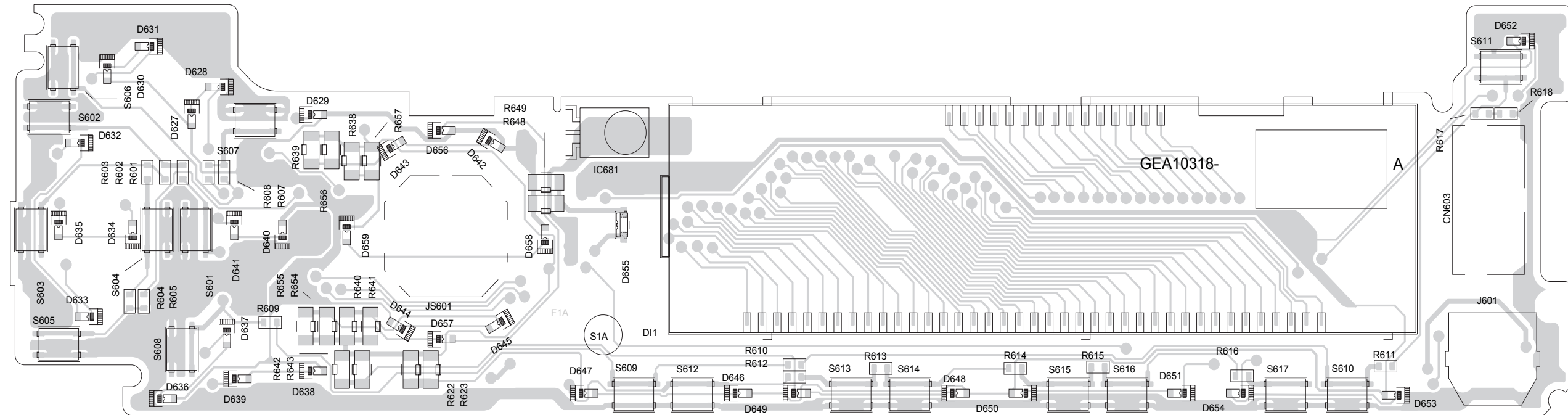
ELECTRIC UNIT

(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))



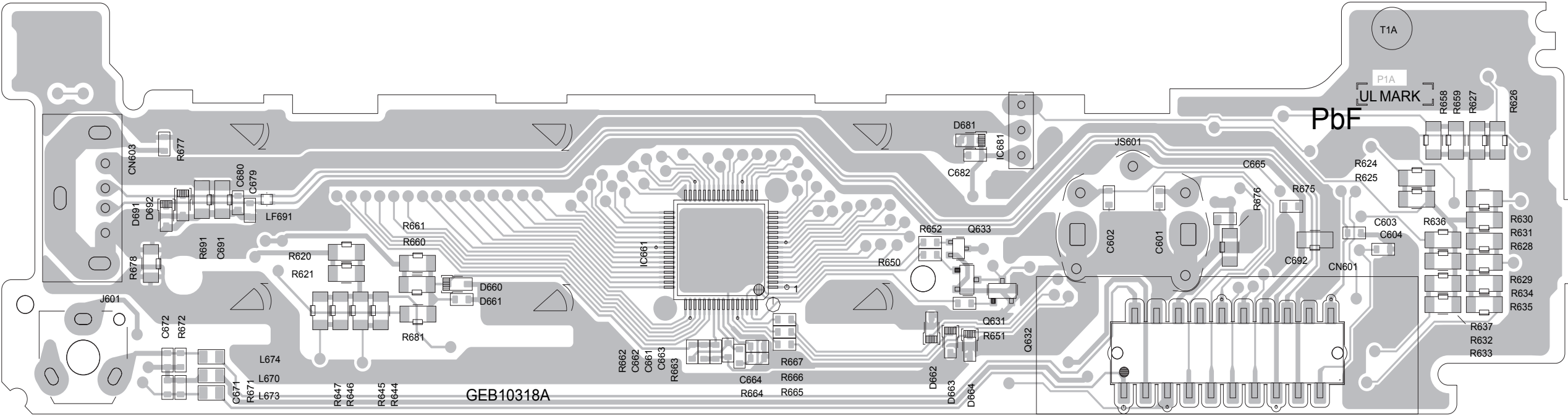
SWITCH UNIT

(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))



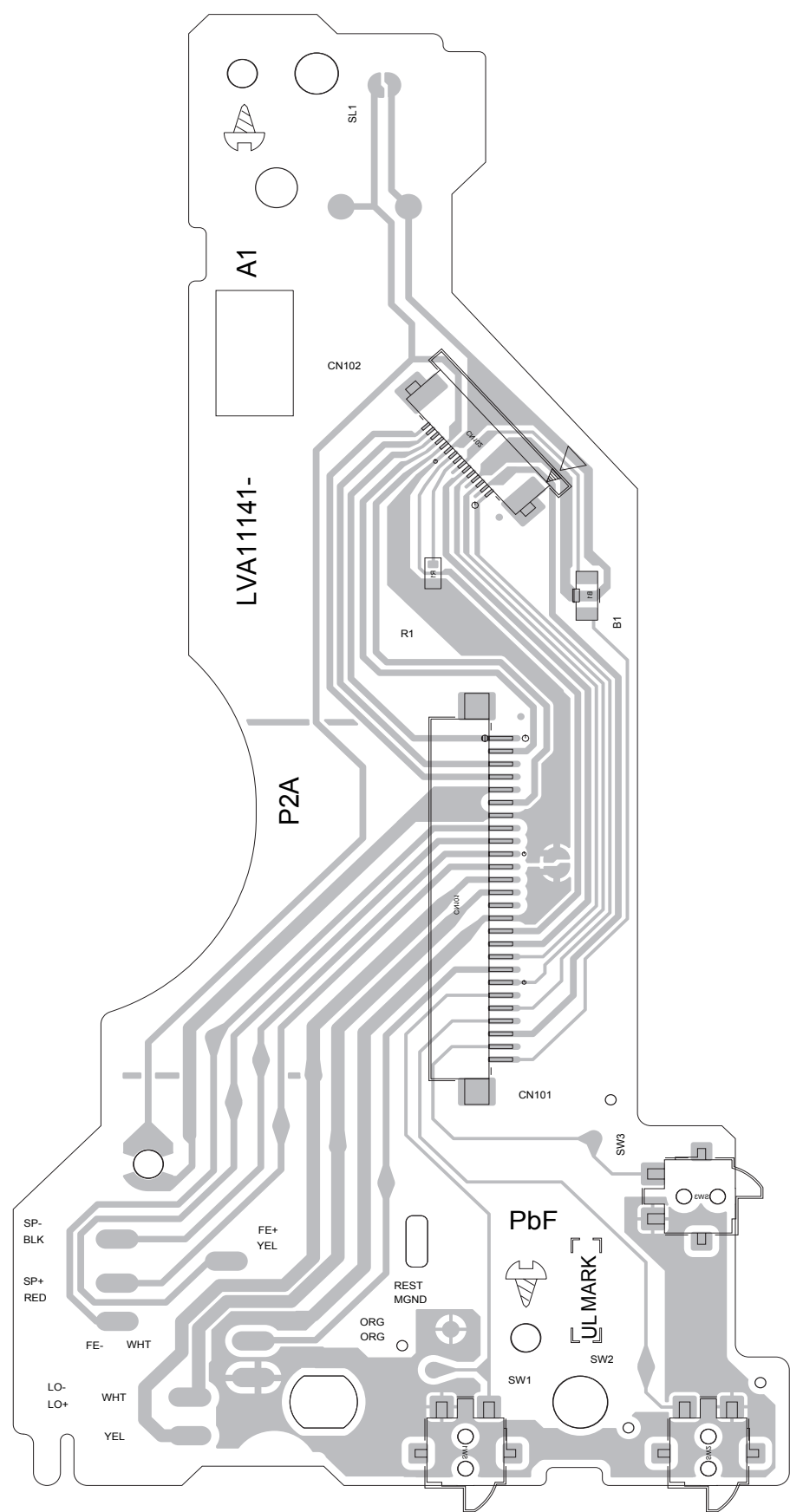
SWITCH UNIT

(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))



CD PLAYER UNIT-1

(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))



CD PLAYER UNIT-2

(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))

