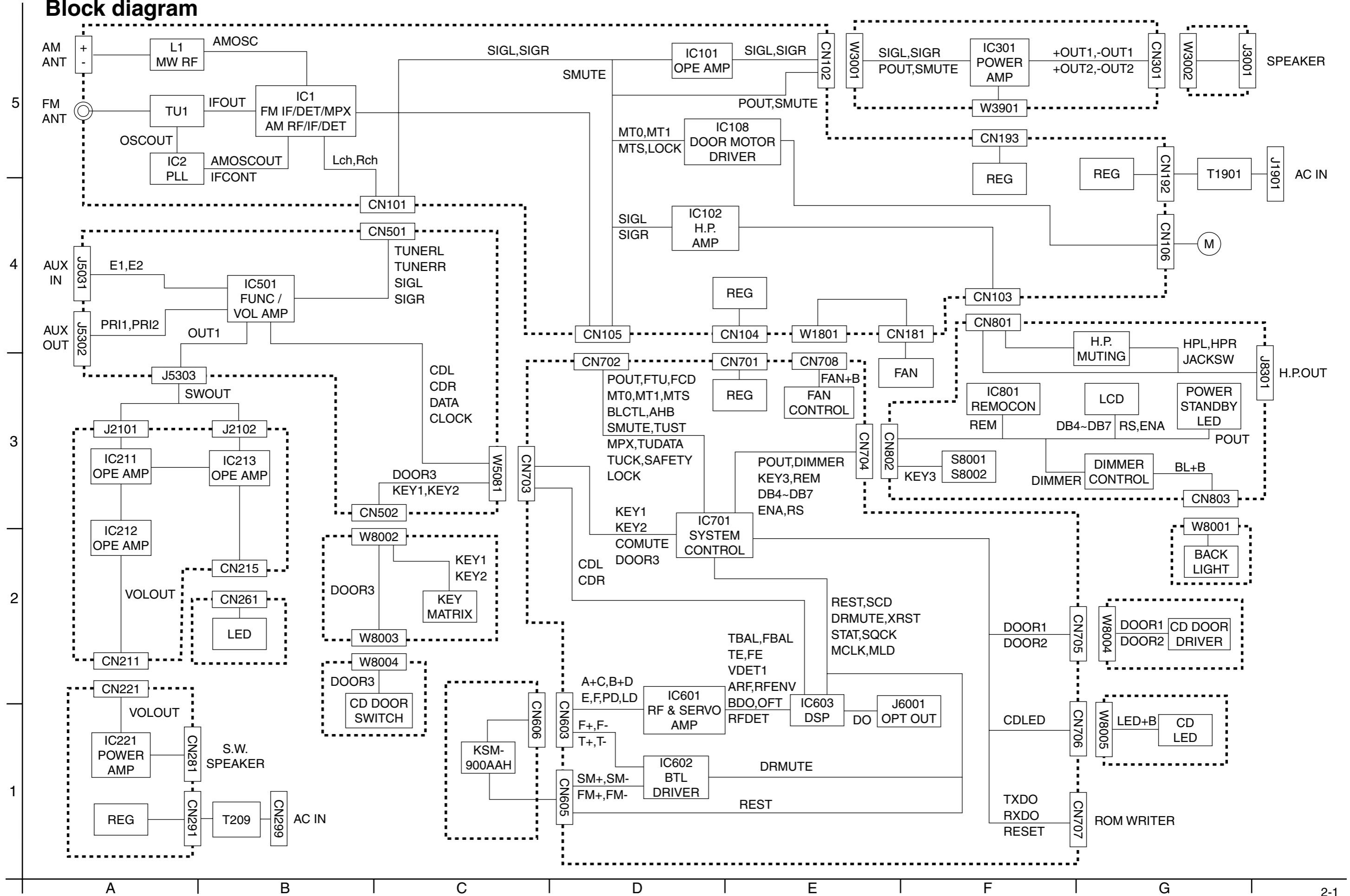


Block diagram



Standard schematic diagrams

Power supply section

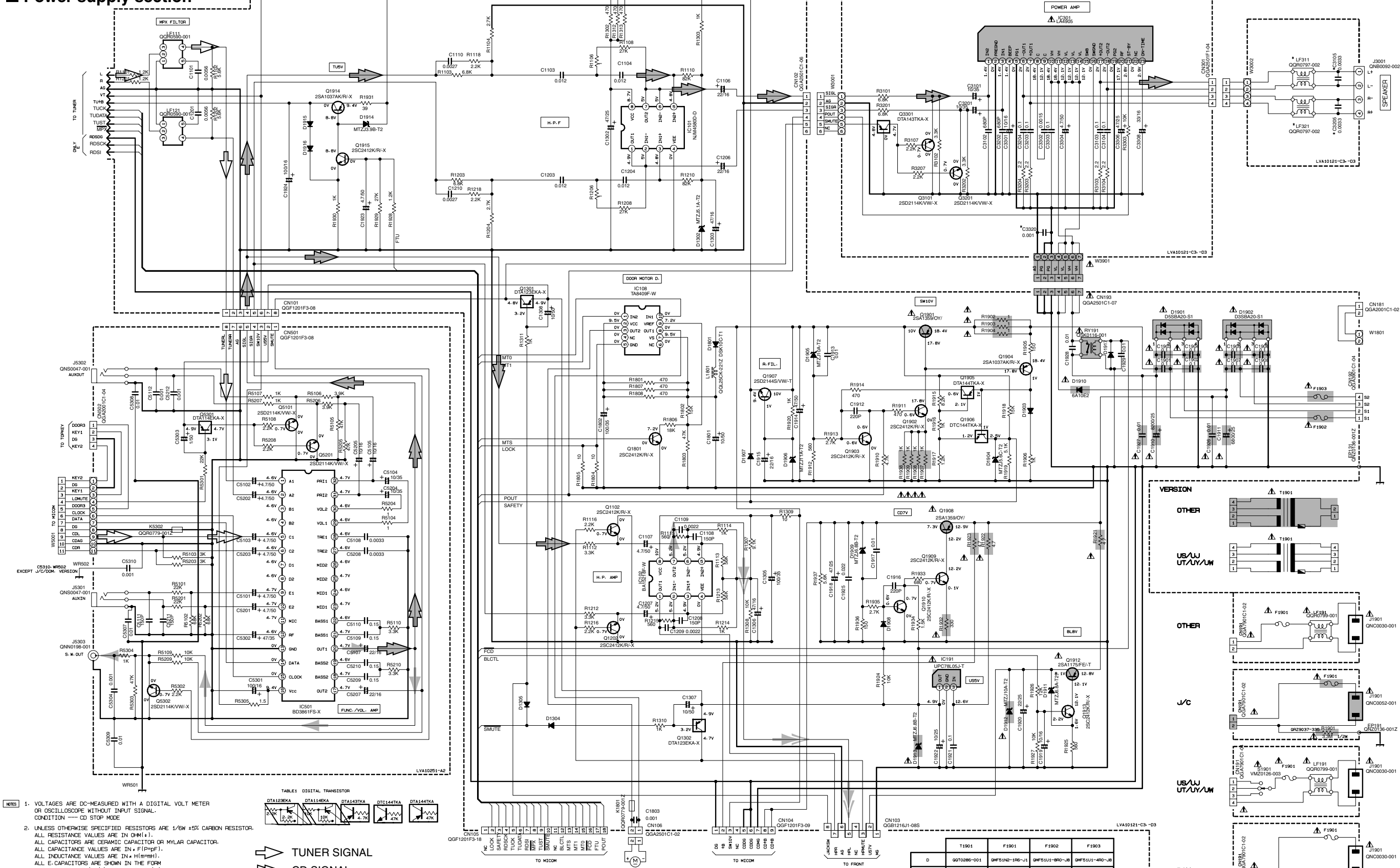
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4

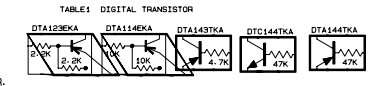
3

2

1



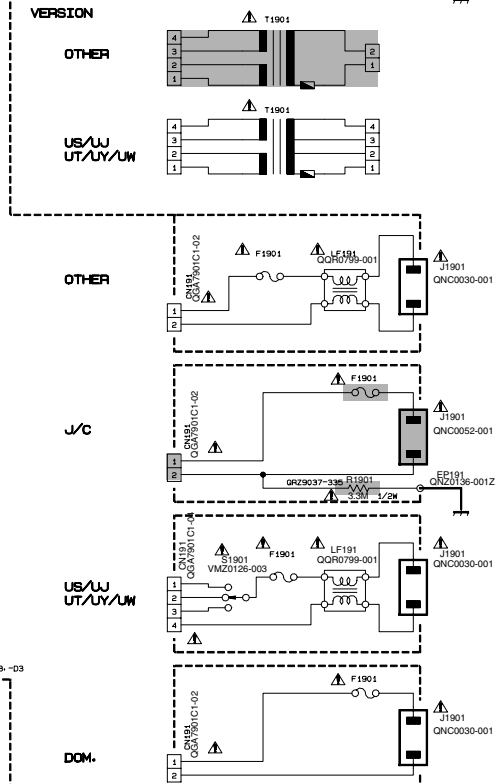
- NOTES**
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — CD STOP MODE.
 2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/8W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN Ω(MH). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μ(F)(P)(M). ALL INDUCTANCE VALUES ARE IN μ(H)(M)(MH). ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F)/RATED VOLTAGE (V). ALL DIODES ARE 1SS133.
 3. *MARKS ARE B/E/EN/EV/EE/UB VERSION ONLY OTHER VERSIONS ARE OPEN OR SHORT



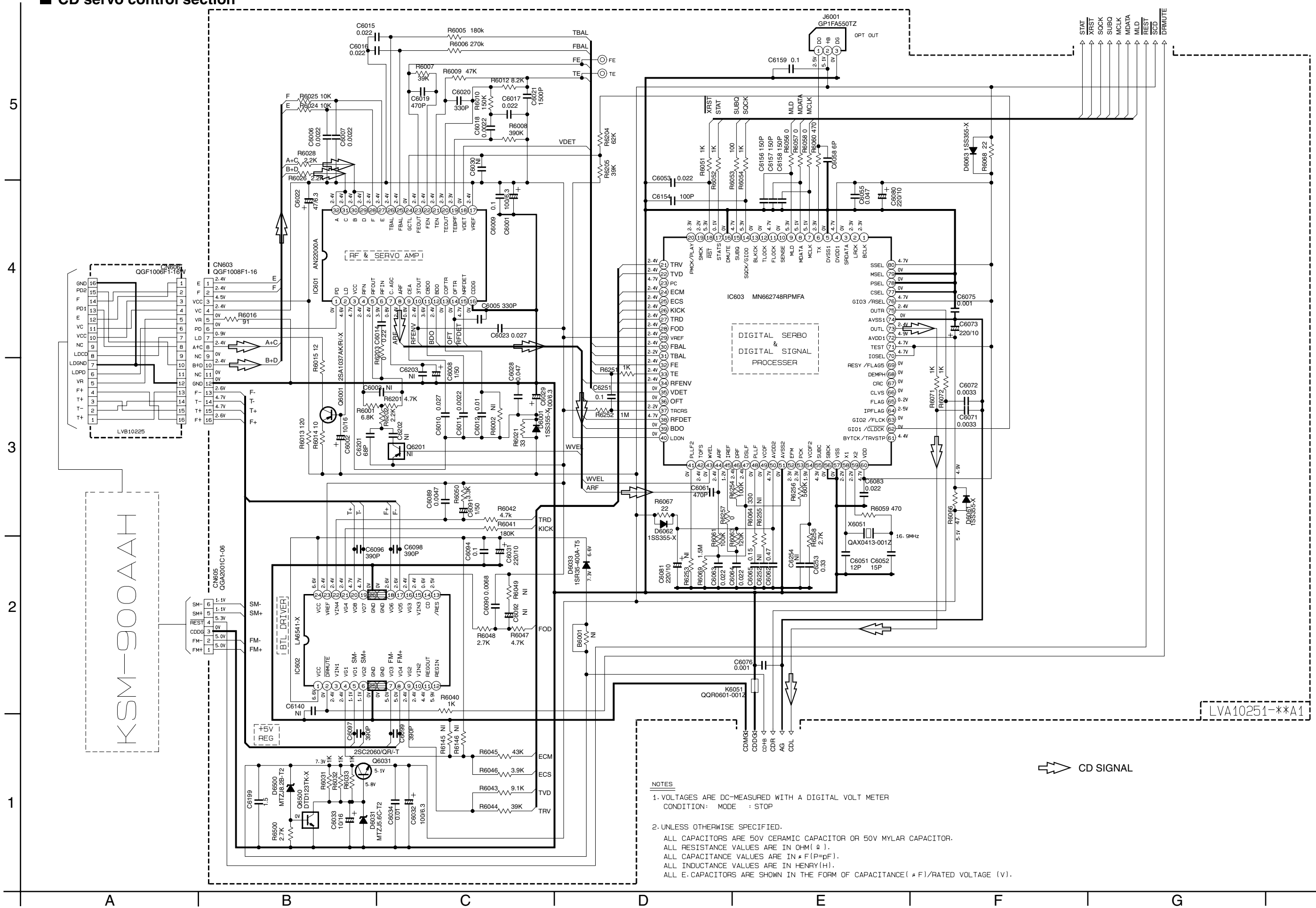
- TUNER SIGNAL
- CD SIGNAL
- SUBWOOFER SIGNAL
- HEADPHONE SIGNAL
- MAIN SIGNAL

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

	T1901	F1901	F1902	F1903
0	Q270286-001	Q270286-001	Q270286-001	Q270286-001
J/C	Q270286-002	Q270286-002	Q270286-002	Q270286-002
U/B	Q270286-003	Q270286-003	Q270286-003	Q270286-003
U/V	Q270286-004	Q270286-004	Q270286-004	Q270286-004
A	Q270286-005	Q270286-005	Q270286-005	Q270286-005
U/F/U/P	Q270286-006	Q270286-006	Q270286-006	Q270286-006



CD servo control section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
CONDITION: MODE : STOP
2. UNLESS OTHERWISE SPECIFIED.
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITANCE VALUES ARE IN # F(P=pF).
ALL INDUCTANCE VALUES ARE IN HENRY(H).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(# F)/RATED VOLTAGE (V).

KSM-900AAH

LVA10251-**A1

➔ CD SIGNAL

5

4

3

2

1

A B C D E F G

■ LCD & Key control section

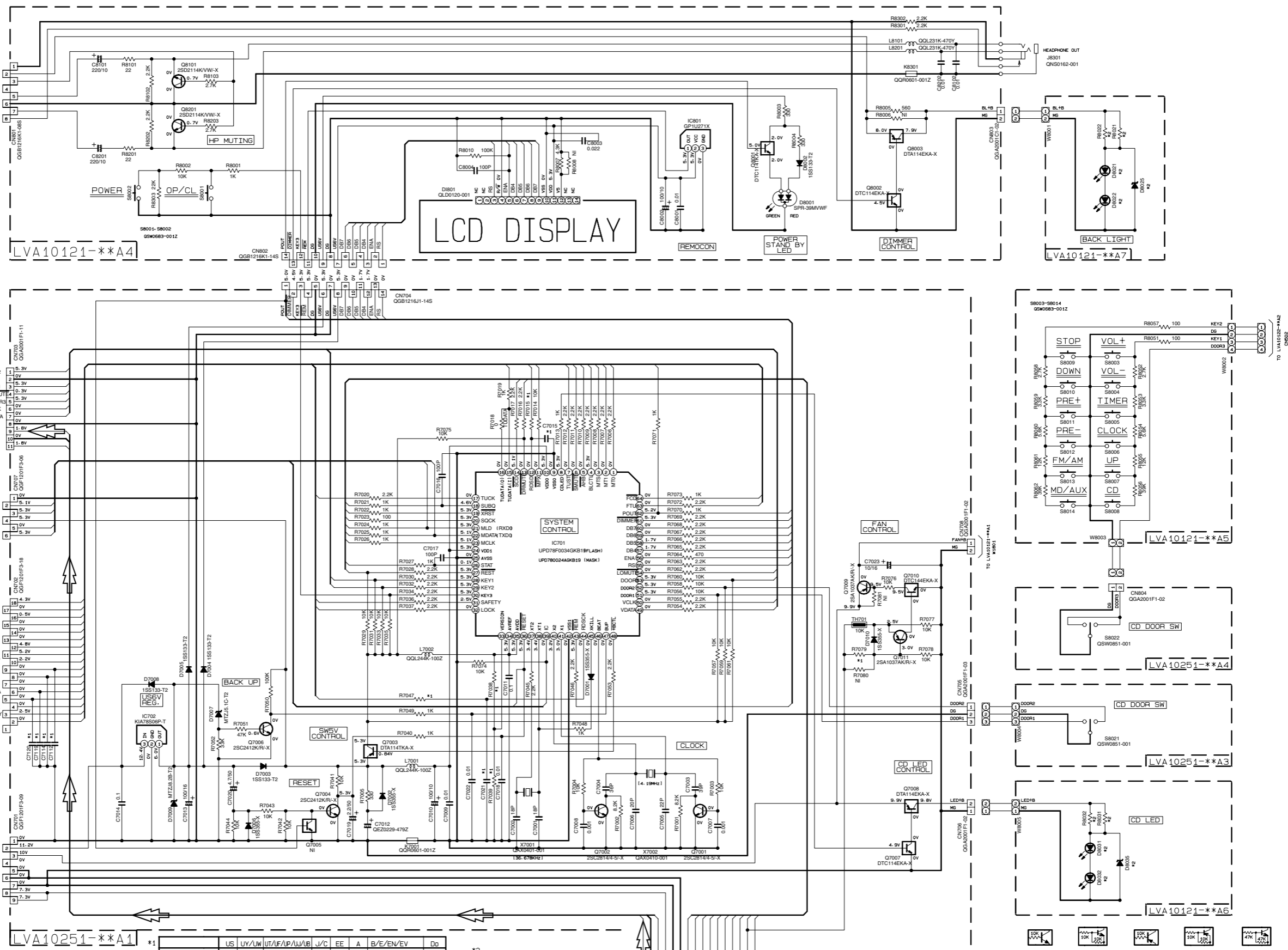
5

4

3

2

1



NOTES

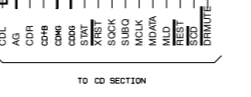
- 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — CD STOP AT AC SUPPLY VOL. 16 BASS 0 TREBLE 0 AHD ON DIMMER OFF
- 2. UNLESS OTHERWISE SPECIFIED + RESISTORS ARE 1/10W (OR 1/16W) ±5% MG RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω).
- 3. ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN F(P=pF).
- 4. ALL INDUCTANCE VALUES ARE IN +H(m=μH).
- 5. ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

*1

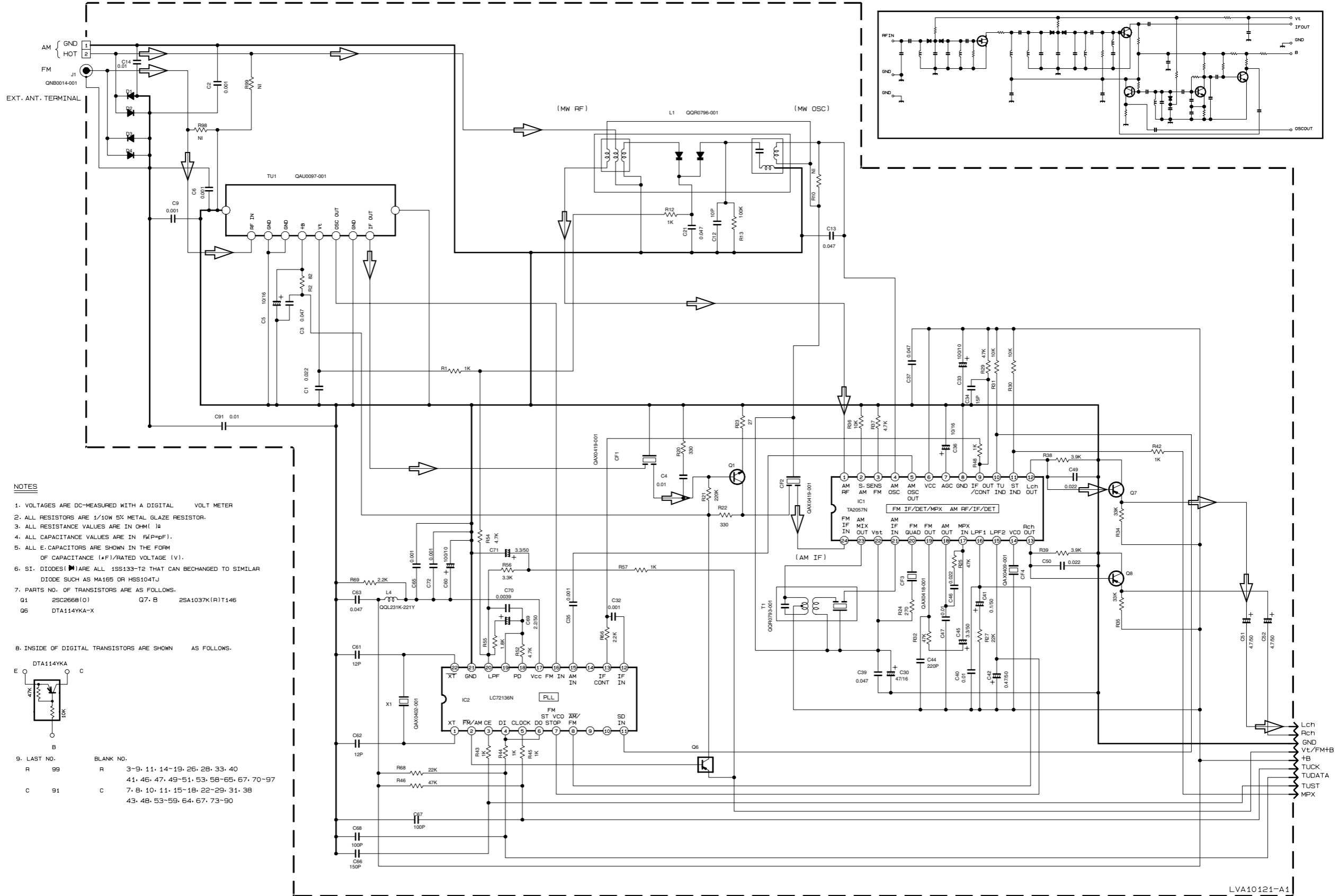
	US	UY/UW	UT/F/P/WW/AB	J/C	EE	A	B/E/EN/EV	Do
R7038	27K	68K	27K	47K	12K	4.7K	10K	-
R7039	4.7K	27K	4.7K	33K	27K	27K	-	10K
R7045	-	-	-	-	1K	-	1K	-
C7045	-	-	-	-	100P	-	100P	-
R7047	-	-	-	-	1K	-	1K	-
C7047	-	-	-	-	100P	-	100P	-
R7048	-	-	-	-	1K	-	1K	-
C7112, C7114, C7119, C7120	100P	100P	100P	-	-	-	-	-
R7079	6.8K	5.1K	5.1K	5.1K	5.1K	5.1K	5.1K	5.1K

*2

	FS-SD5(R) / 7(R)	FS-SD9(R)
DB021, DB022	SELU1E50CM	TLYH156P
DB025	MTZJ10C-T2	-
RB021, RB022	100	390
DB031, DB032	SELU1E56BM	TLYH156P
DB035	MA3100/M/-X	-
RB031, RB032	430	560



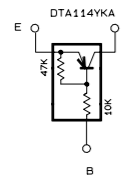
Tuner section



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
- ALL RESISTORS ARE 1/10W 5% METAL GLAZE RESISTOR.
- ALL RESISTANCE VALUES ARE IN OHM (Ω)
- ALL CAPACITANCE VALUES ARE IN PICO (pF).
- ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (nF)/RATED VOLTAGE (V).
- S. DIODES (S) ARE ALL 1SS133-T2 THAT CAN BECHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104TJ
- PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.
 Q1 2SC2668(O) Q7. B 2SA1037K(R)T146
 Q6 DTA114YKA-X

8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.



- LAST NO. BLANK NO.
 R 99 R 3-9, 11, 14-19, 26, 28, 33, 40, 41, 46, 47, 49-51, 53, 58-65, 67, 70-97
 C 91 C 7, 8, 10, 11, 15-18, 22-29, 31, 38, 43, 48, 53-59, 64, 67, 73-90

CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.4	3.7	3.7	1.4	0	1.3	1.1	2.0	2.0	5.1	2.0
	FM 60dB STEREO	2.0	0.5	0	2.0	5.1	5.1	1.1	0	0.3	0	0	1.1	1.1	4.3	4.1	3.7	1.4	0	1.4	1.1	2.0	2.0	5.1	2.0
	AM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.5	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.1	2.0
IC2	FM NO SIGNAL	2.4	0	0	1.1	5.0	1.1	3.7	3.7	0	0	0	0	0	0	2.6	5.1	1.0	1.0	3.7	0	2.7			

Tr No.	Q1	Q6	Q7	Q8
PIN NAME	E C B E C B E C B E C B	E C B E C B E C B E C B	E C B E C B E C B E C B	E C B E C B E C B E C B
FM 87.5MHZ	0 7.5 0.7 8.8 8.8 0	1.6 0 1.1 1.6 0 1.1	1.6 0 1.1 1.6 0 1.1	1.6 0 1.1 1.6 0 1.1
AM 520KHZ	0 0 0 8.8 0 8.7	1.6 0 1.1 1.6 0 1.1	1.6 0 1.1 1.6 0 1.1	1.6 0 1.1 1.6 0 1.1

TUNER SIGNAL

LVA10121-A1

TO FUNCTION

5

4

3

2

1

A

B

C

D

E

F

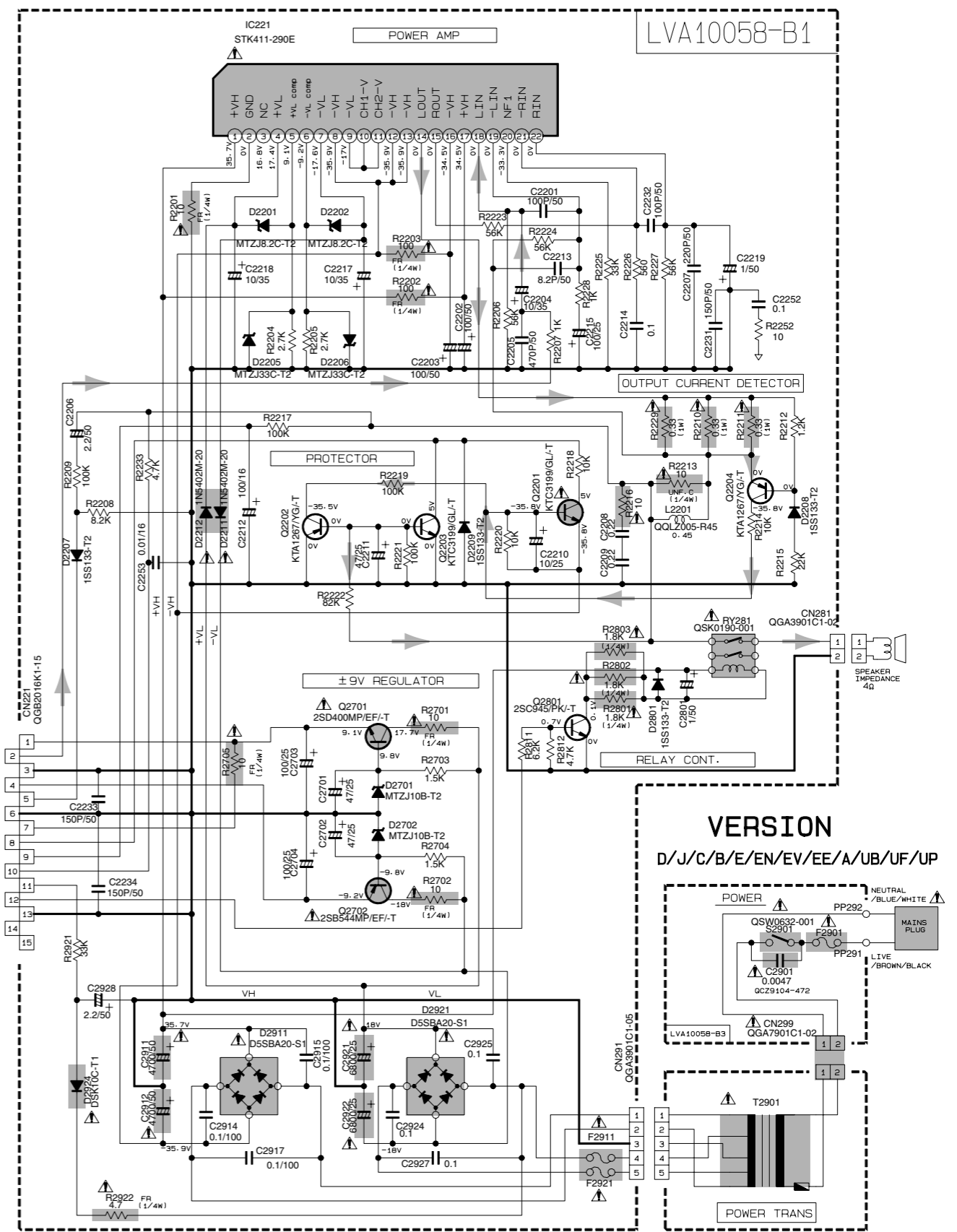
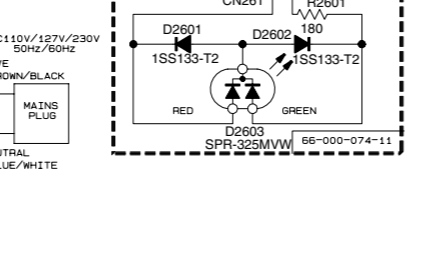
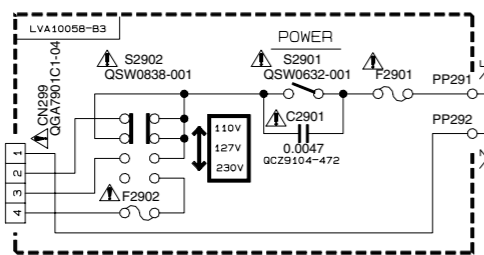
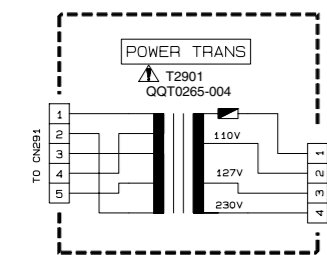
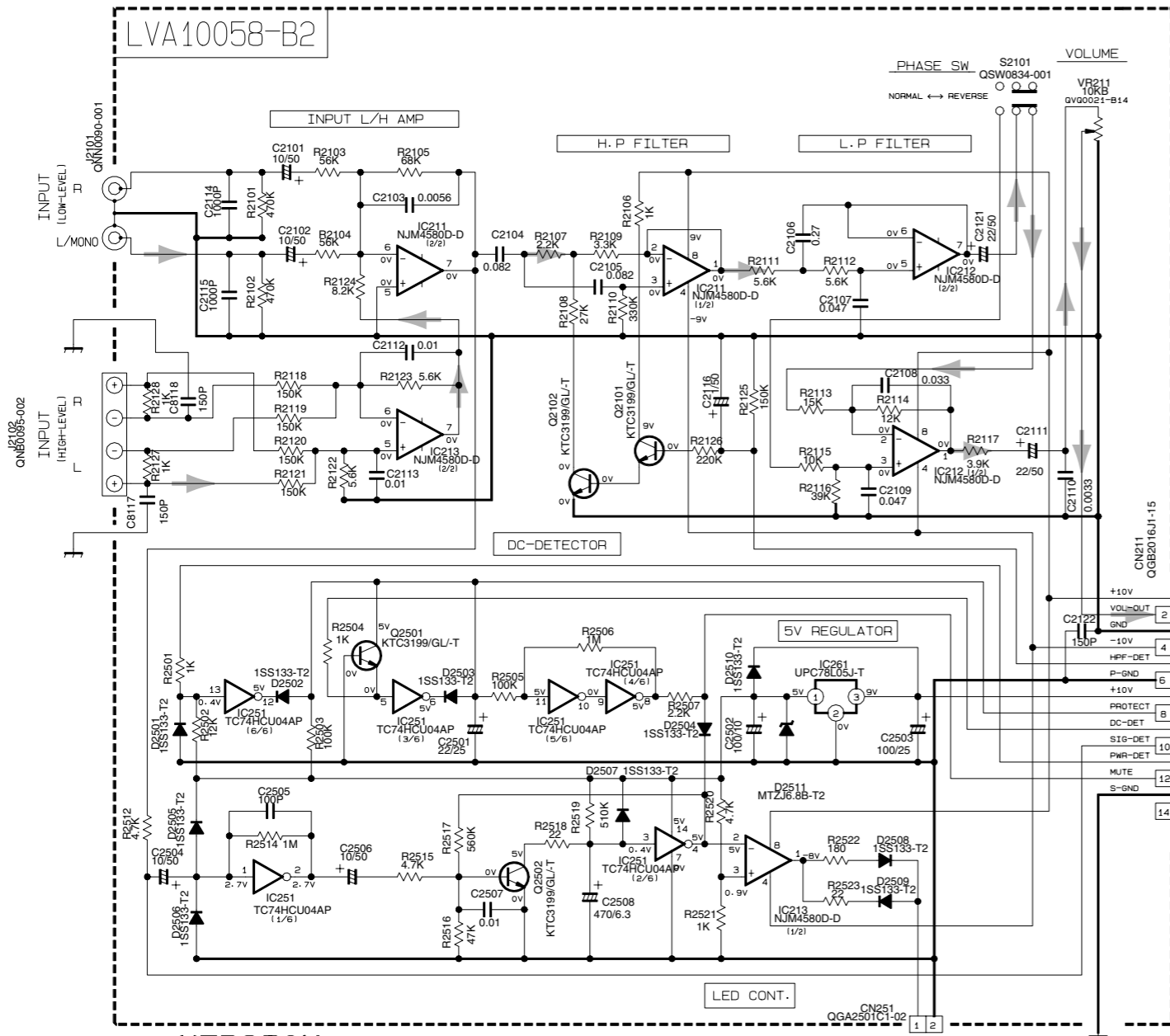
G

Sub woofer amp section

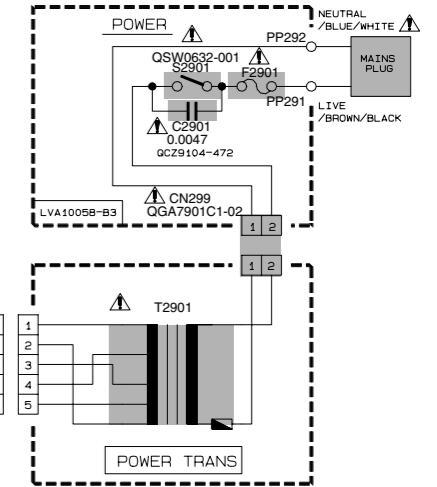
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
- UNLESS OTHERWISE SPECIFIED.

ALL RESISTORS ARE 1/4W ±5% CARBON RESISTOR.
 ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
 ALL RESISTANCE VALUES ARE IN OHM(Ω).
 ALL CAPACITANCE VALUES ARE IN μF(P=pF).
 ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).
 ALL INDUCTANCE VALUES ARE IN #H(m=mH).



VERSION D/J/C/B/E/EN/EV/EE/A/UB/UF/UP



	D	J/C	B/E/EN/EV/EE/UB	US/UJ/UY/UT/UW	UF/UP	A
T2901	QGT0265-001	QGT0265-002	QGT0265-003	QGT0265-004	QGT0265-005	QGT0265-006
F2901	QMF51U1-2R5-J1	QMF51N2-2R0-J1	QMF51E2-1R0-J1	QMF51E2-1R6-J1	QMF51E2-1R0-J1	QMF51E2-1R0-J1
F2902				QMF51E2-R80-J1		
F2911	QMF51N2-2R0-J1	QMF51N2-1R6-J1	QMF51E2-1R6-J1	QMF51E2-1R25-J1	QMF51E2-1R6-J1	QMF51E2-1R6-J1
F2921	QMF51N2-2R0-J1	QMF51N2-1R6-J1	QMF51E2-1R6-J1	QMF51E2-1R25-J1	QMF51E2-1R6-J1	QMF51E2-1R6-J1

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

➔ SUBWOOFER SIGNAL

5
4
3
2
1

A B C 2-6 D E F G H

Printed circuit boards

■ Power IC board

■ Main board

■ LCD lamp board

■ Lamp board

■ Speaker jack board

■ Switch board

■ LCD board

5

4

3

2

1

A

B

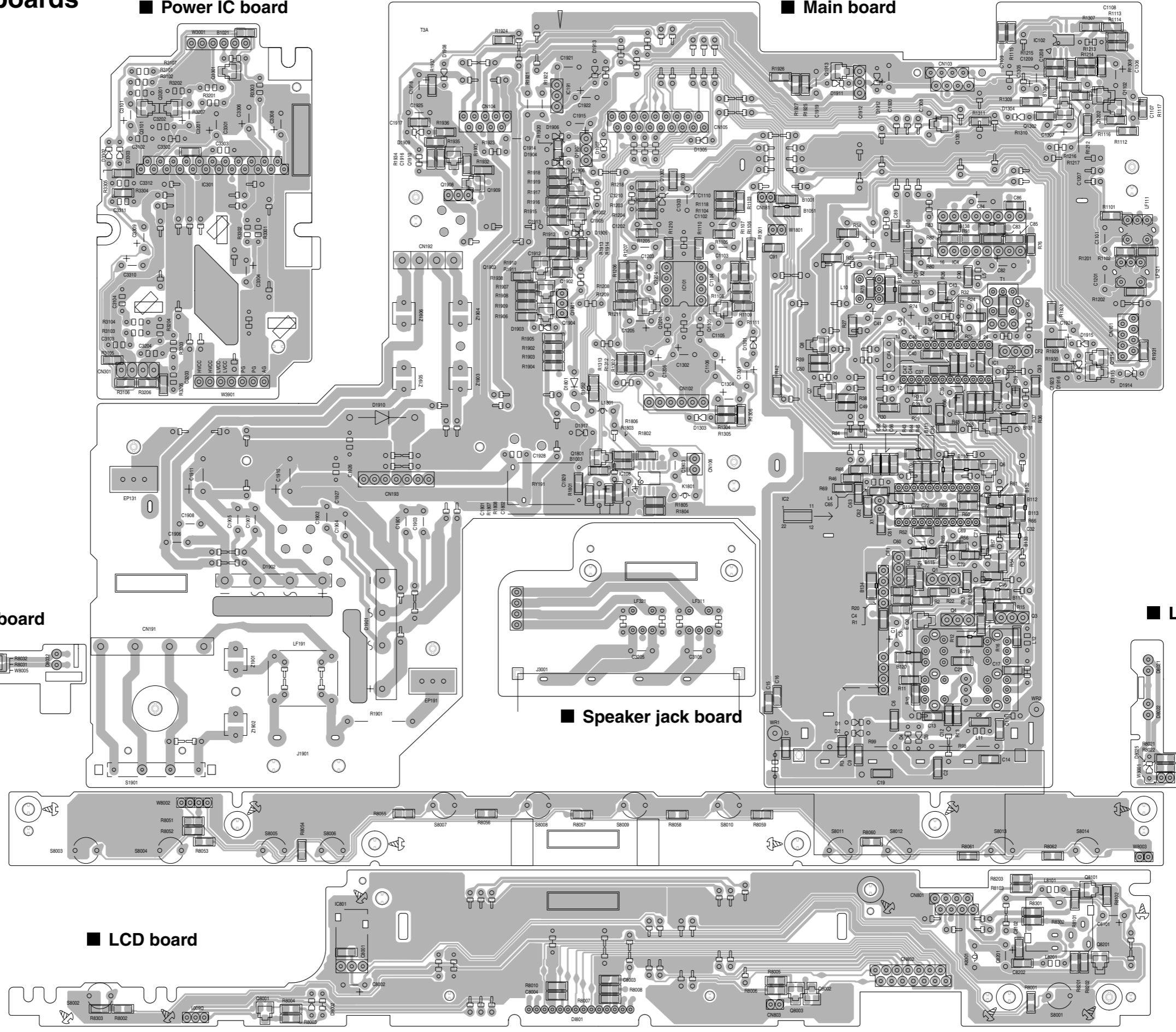
C

D

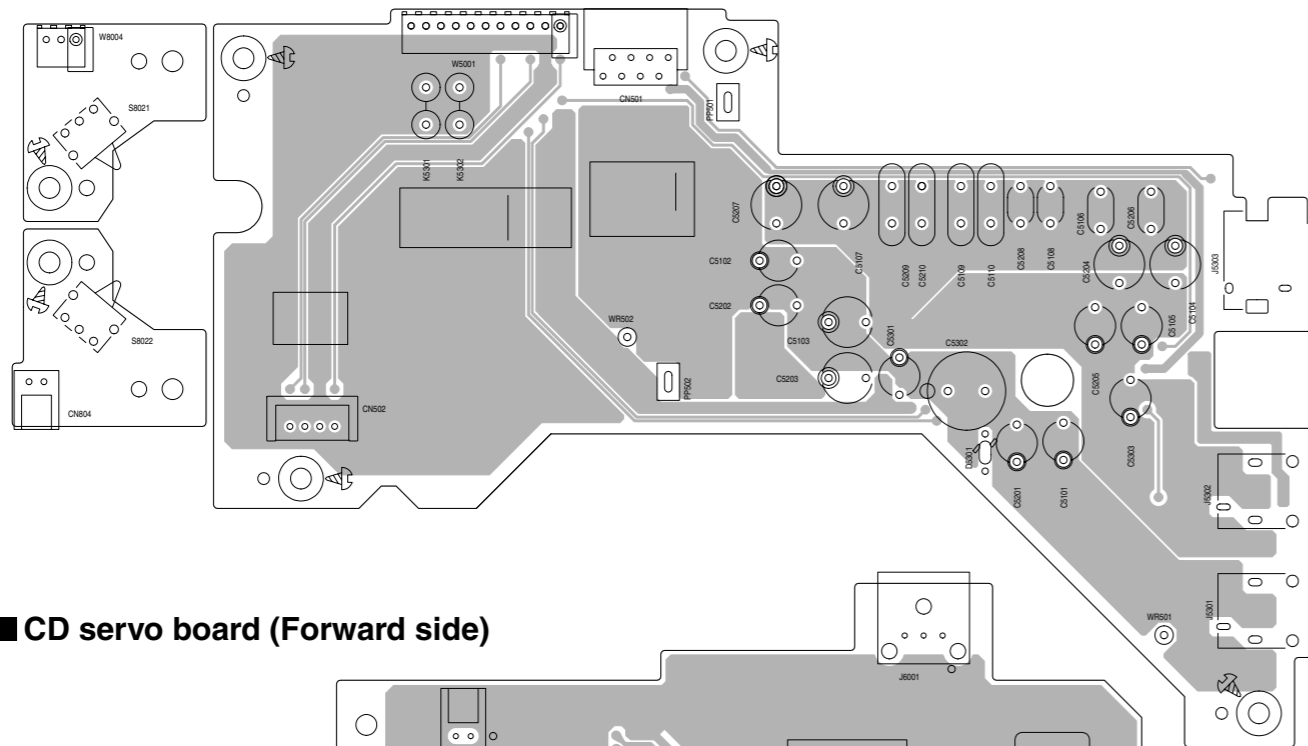
E

F

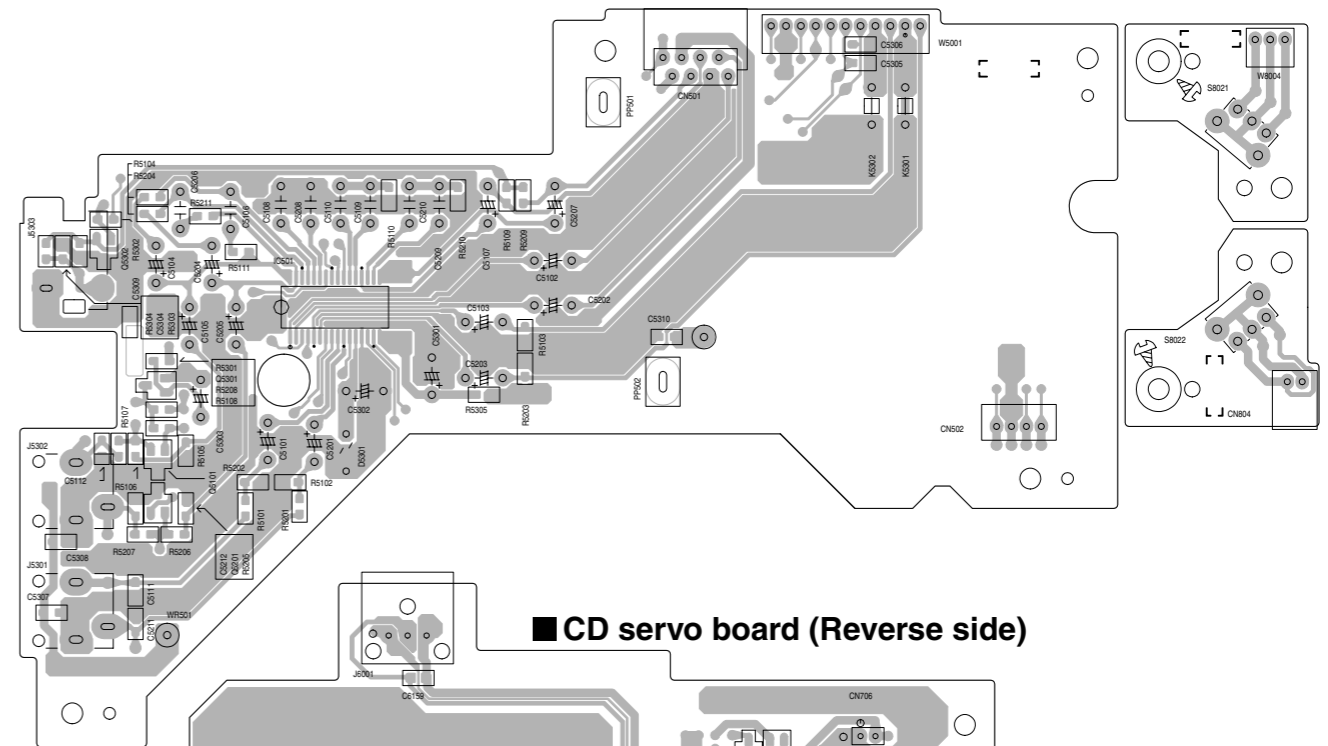
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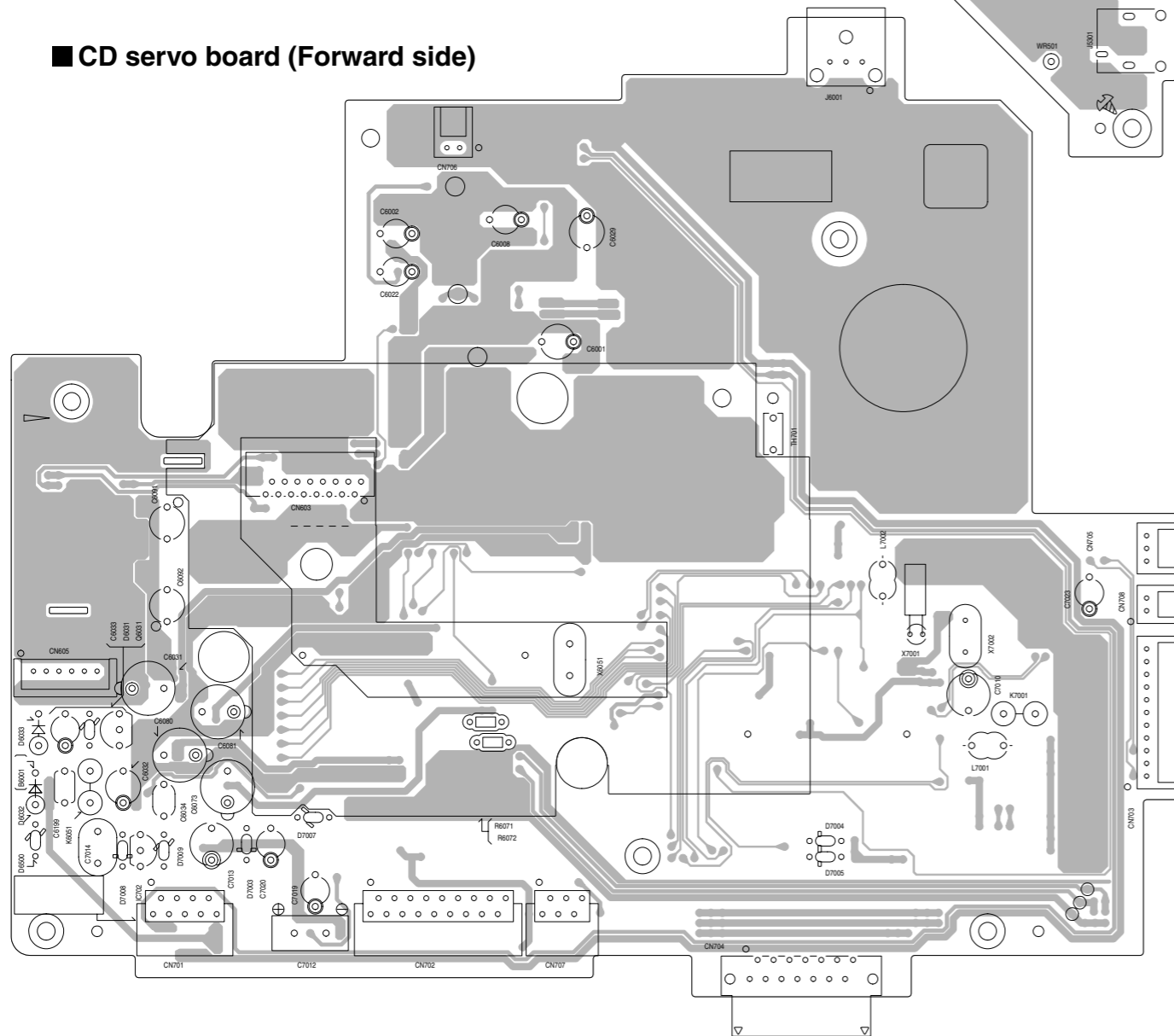
Line board (Forward side)



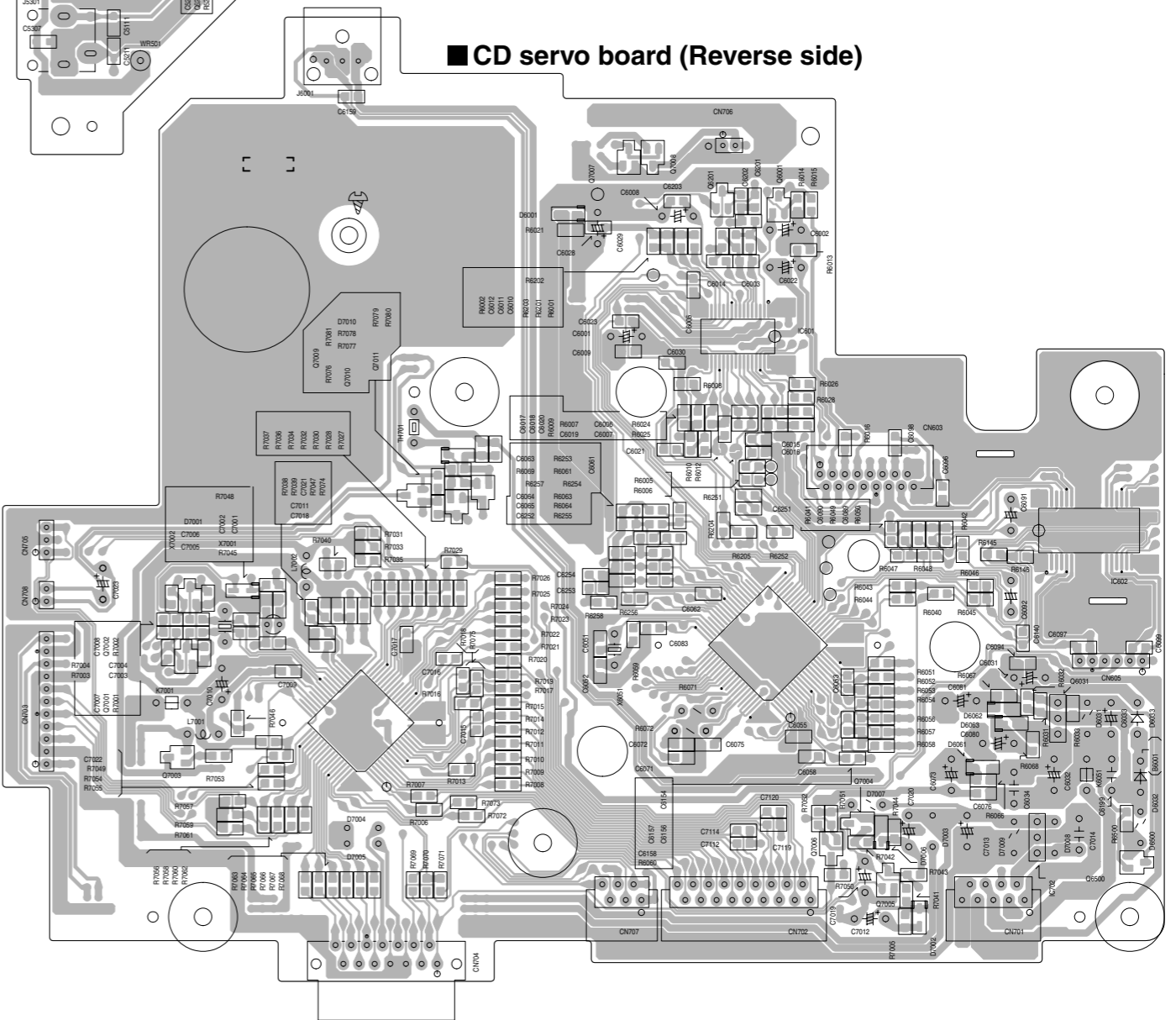
Line board (Forward side)



CD servo board (Forward side)



CD servo board (Reverse side)



5

4

3

2

1

A

B

C

2-8

D

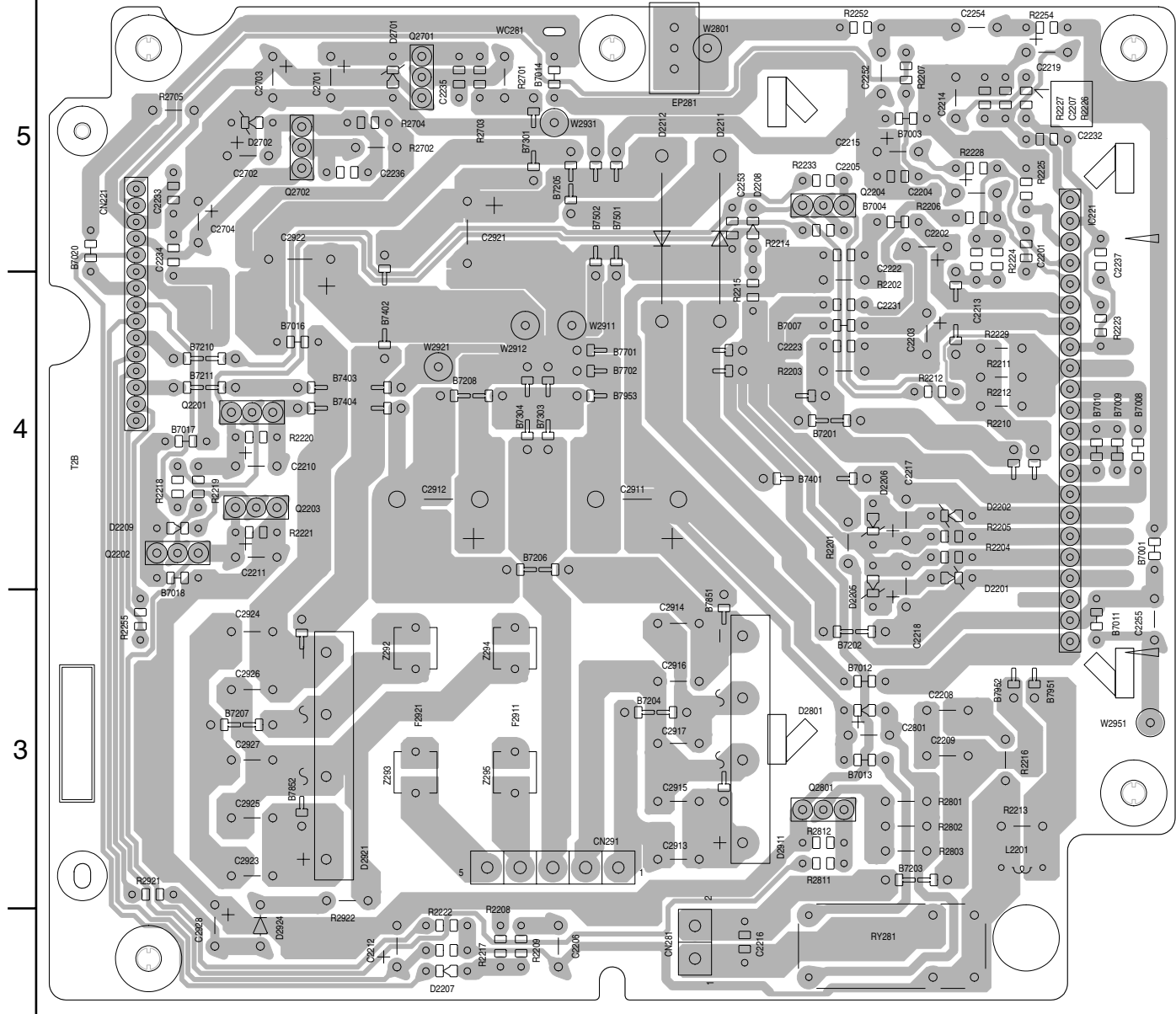
E

F

G

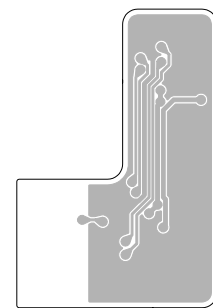
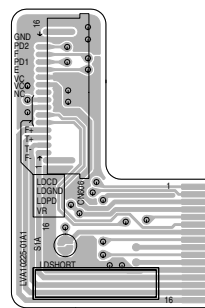
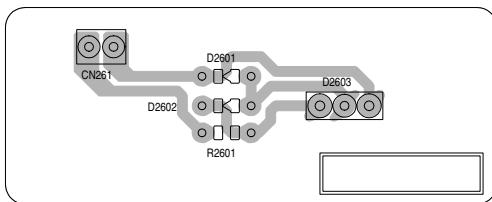
H

■ Subwoofer ipower amp board



■ Sub board (Forward side)

■ Subwoofer LED board



■ Sub board (Reverse side)

1

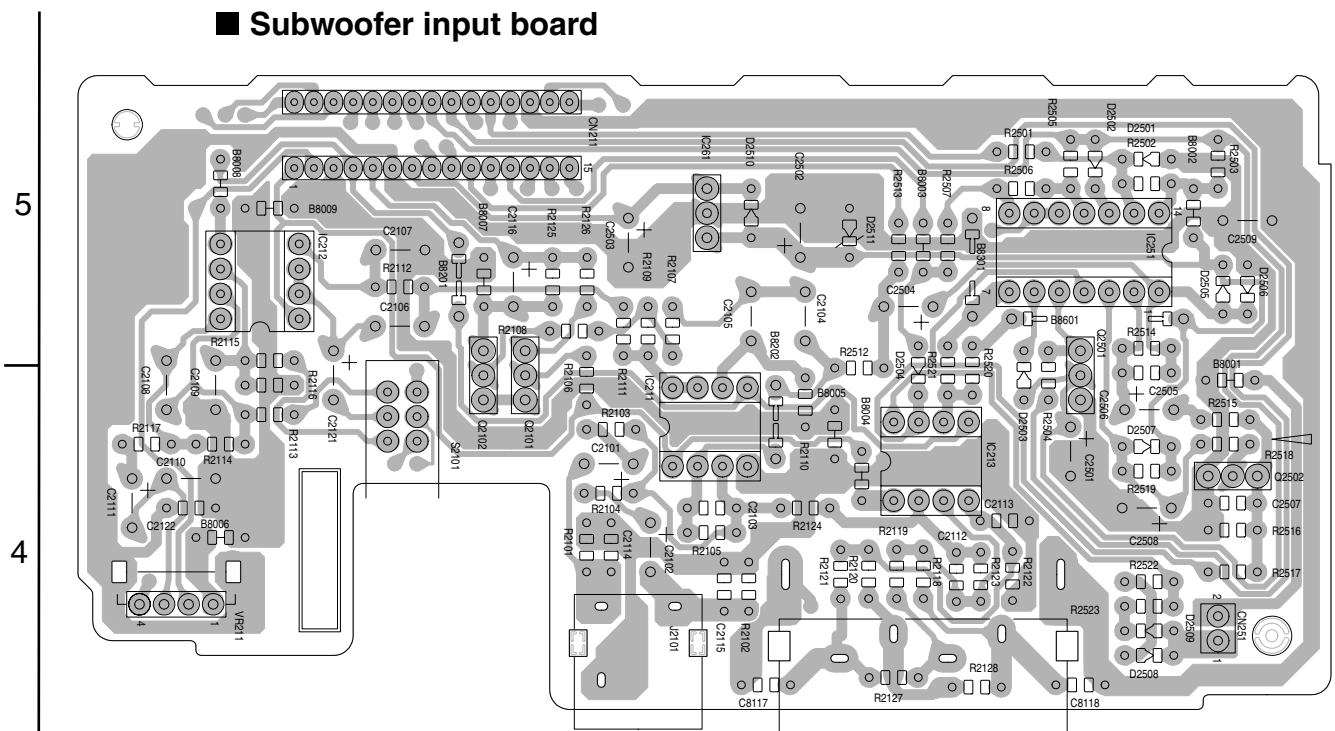
A

B

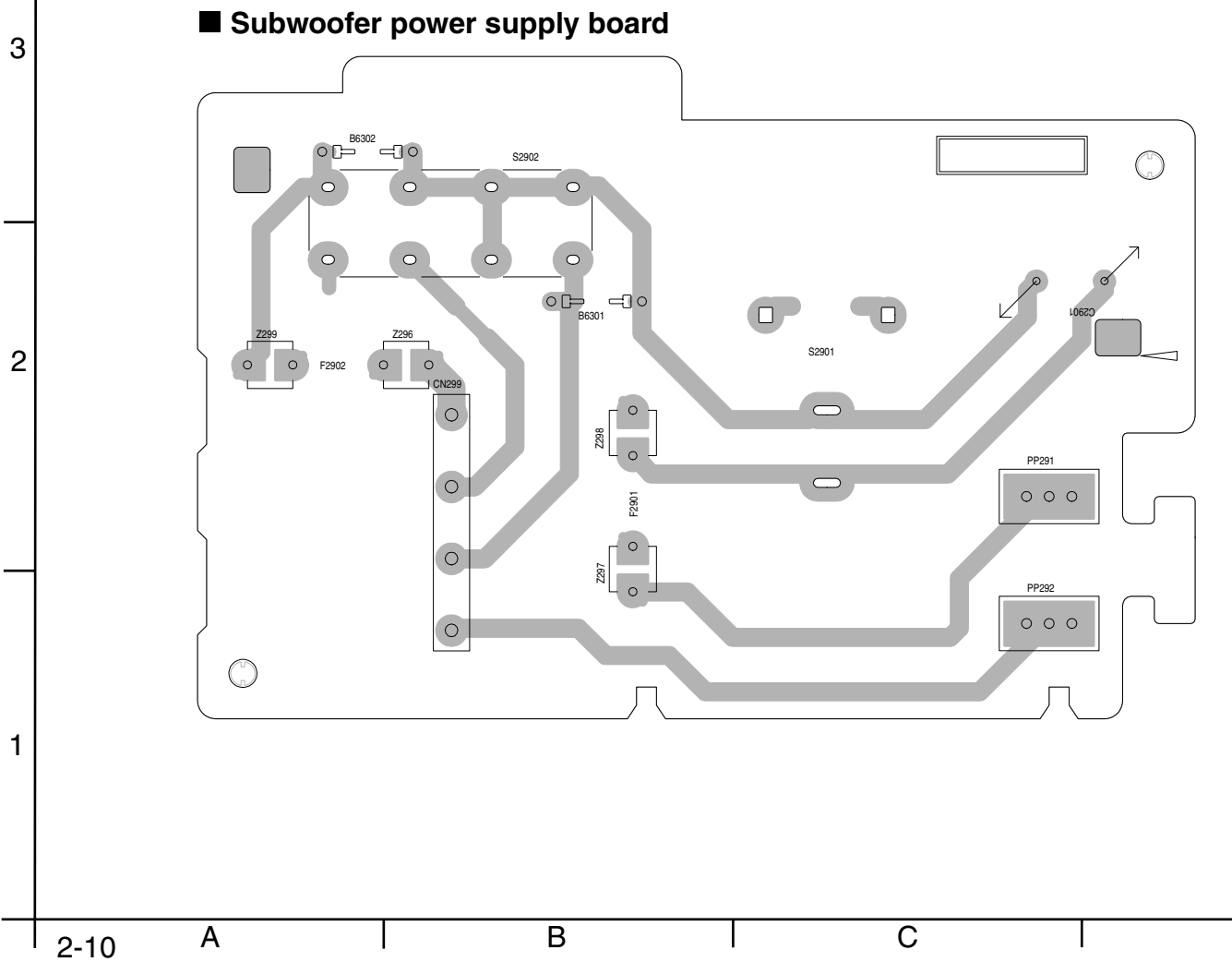
C

2-9

■ Subwoofer input board



■ Subwoofer power supply board



2-10

A

B

C