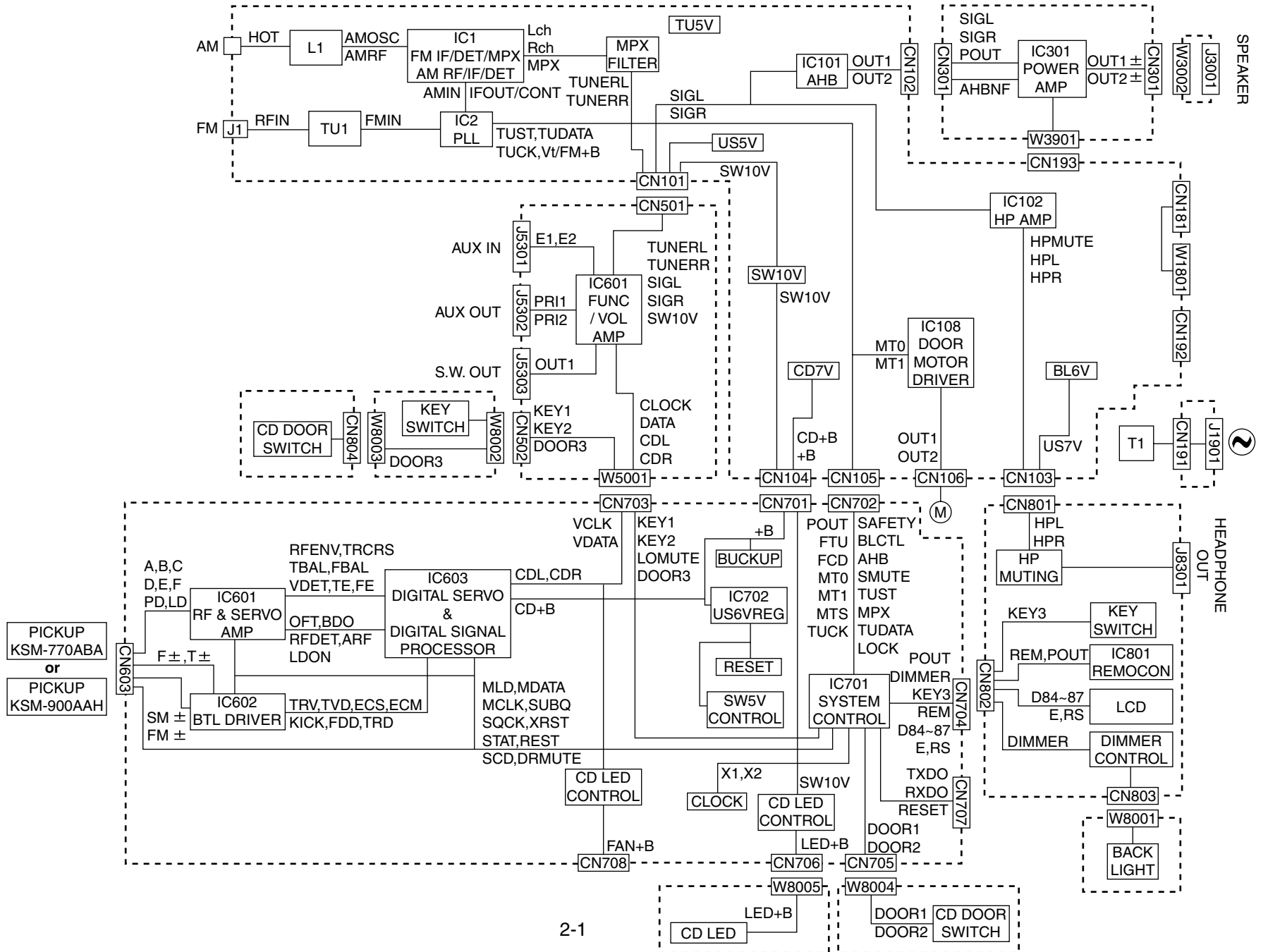


Block diagram



< MEMO >

CD servo control section (for KSM-770ABA)

5

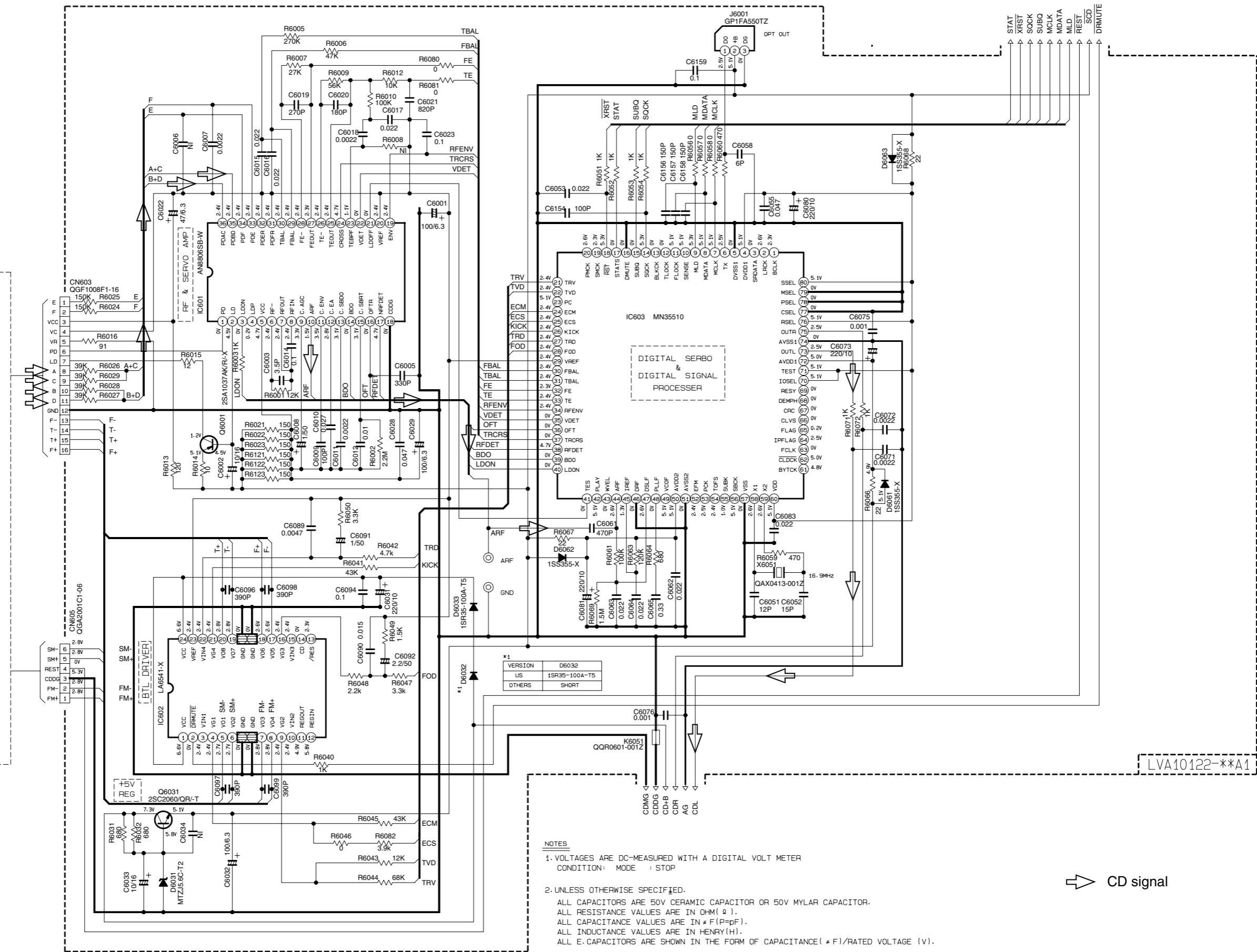
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KSM-770ABA

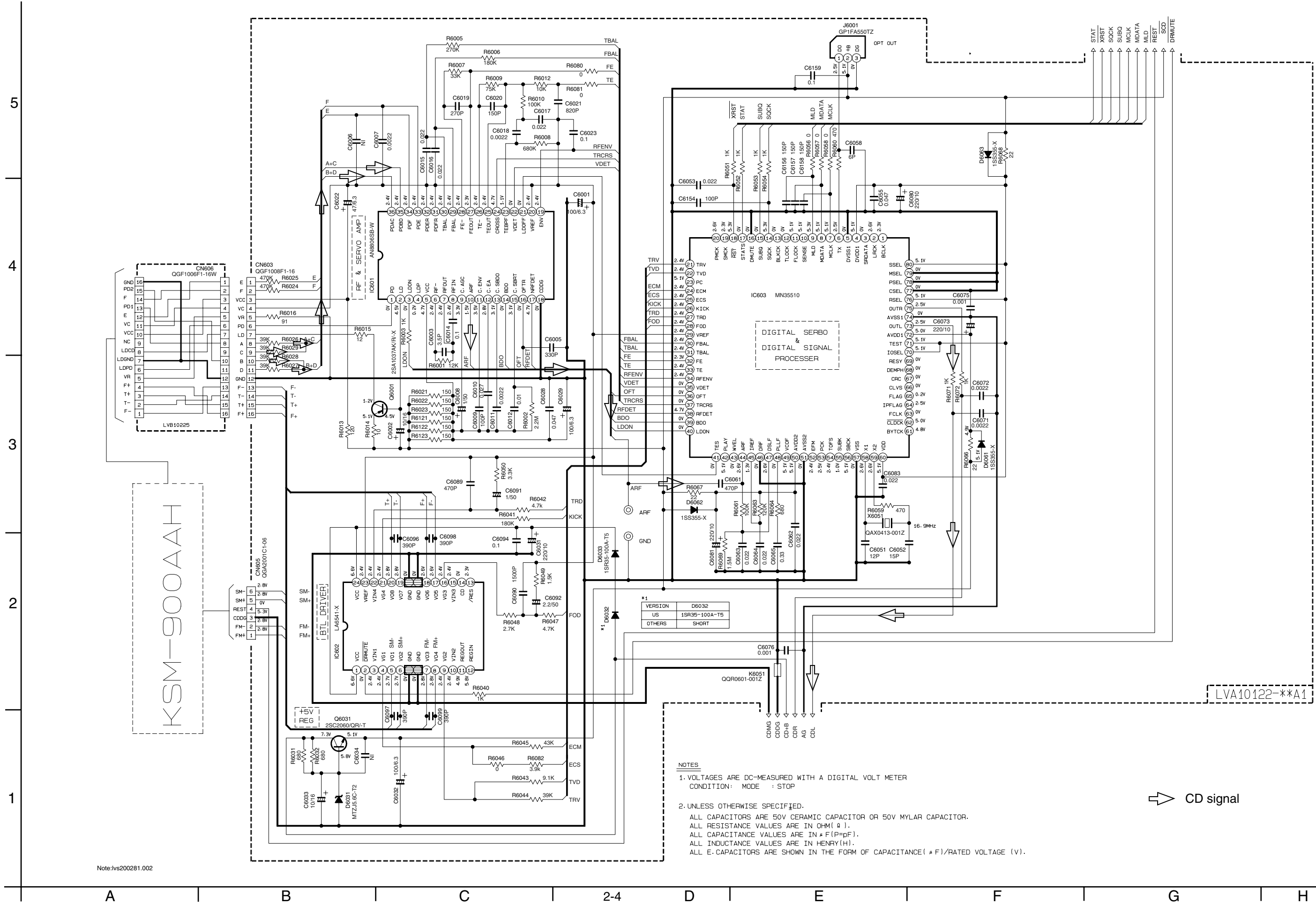


NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
CONDITION: MODE : STOP
- 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).

➔ CD signal

CD servo control section (for KSM-900AAH)



- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
CONDITION: MODE : STOP
 - 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 PICO(F=pF).
ALL INDUCTANCE VALUES ARE IN HENRY(H).
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

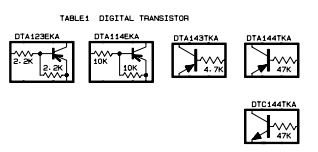
⇒ CD signal

LVA10122-**A1

Note:ivs200281.002

Power supply & main circuit section

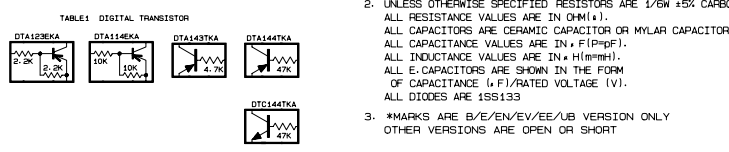
5
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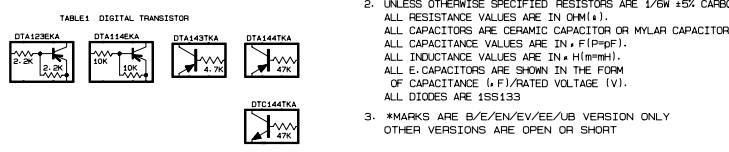
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/6W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μF (μF). ALL INDUCTANCE VALUES ARE IN mH (mH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V). ALL DIODES ARE 1SS133
3. *MARKS ARE B/E/EN/EV/EE/UB VERSION ONLY OTHER VERSIONS ARE OPEN OR SHORT

#Marks

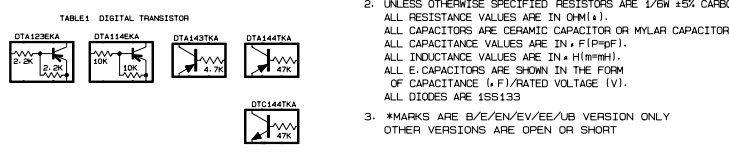
#	Part	Value	Mark
805	R1808	3.9k	0.15
807	R1807	2.7k	0.22
809	R1809	2.7k	0.22
810	R1810	2.2k	0.22
811	R1811	2.2k	0.22
812	R1812	2.2k	0.22
813	R1813	2.2k	0.22
814	R1814	2.2k	0.22
815	R1815	2.2k	0.22
816	R1816	2.2k	0.22
817	R1817	2.2k	0.22
818	R1818	2.2k	0.22
819	R1819	2.2k	0.22
820	R1820	2.2k	0.22
821	R1821	2.2k	0.22
822	R1822	2.2k	0.22
823	R1823	2.2k	0.22
824	R1824	2.2k	0.22
825	R1825	2.2k	0.22
826	R1826	2.2k	0.22
827	R1827	2.2k	0.22
828	R1828	2.2k	0.22
829	R1829	2.2k	0.22
830	R1830	2.2k	0.22
831	R1831	2.2k	0.22
832	R1832	2.2k	0.22
833	R1833	2.2k	0.22
834	R1834	2.2k	0.22
835	R1835	2.2k	0.22
836	R1836	2.2k	0.22
837	R1837	2.2k	0.22
838	R1838	2.2k	0.22
839	R1839	2.2k	0.22
840	R1840	2.2k	0.22
841	R1841	2.2k	0.22
842	R1842	2.2k	0.22
843	R1843	2.2k	0.22
844	R1844	2.2k	0.22
845	R1845	2.2k	0.22
846	R1846	2.2k	0.22
847	R1847	2.2k	0.22
848	R1848	2.2k	0.22
849	R1849	2.2k	0.22
850	R1850	2.2k	0.22
851	R1851	2.2k	0.22
852	R1852	2.2k	0.22
853	R1853	2.2k	0.22
854	R1854	2.2k	0.22
855	R1855	2.2k	0.22
856	R1856	2.2k	0.22
857	R1857	2.2k	0.22
858	R1858	2.2k	0.22
859	R1859	2.2k	0.22
860	R1860	2.2k	0.22
861	R1861	2.2k	0.22
862	R1862	2.2k	0.22
863	R1863	2.2k	0.22
864	R1864	2.2k	0.22
865	R1865	2.2k	0.22
866	R1866	2.2k	0.22
867	R1867	2.2k	0.22
868	R1868	2.2k	0.22
869	R1869	2.2k	0.22
870	R1870	2.2k	0.22
871	R1871	2.2k	0.22
872	R1872	2.2k	0.22
873	R1873	2.2k	0.22
874	R1874	2.2k	0.22
875	R1875	2.2k	0.22
876	R1876	2.2k	0.22
877	R1877	2.2k	0.22
878	R1878	2.2k	0.22
879	R1879	2.2k	0.22
880	R1880	2.2k	0.22
881	R1881	2.2k	0.22
882	R1882	2.2k	0.22
883	R1883	2.2k	0.22
884	R1884	2.2k	0.22
885	R1885	2.2k	0.22
886	R1886	2.2k	0.22
887	R1887	2.2k	0.22
888	R1888	2.2k	0.22
889	R1889	2.2k	0.22
890	R1890	2.2k	0.22
891	R1891	2.2k	0.22
892	R1892	2.2k	0.22
893	R1893	2.2k	0.22
894	R1894	2.2k	0.22
895	R1895	2.2k	0.22
896	R1896	2.2k	0.22
897	R1897	2.2k	0.22
898	R1898	2.2k	0.22
899	R1899	2.2k	0.22
900	R1900	2.2k	0.22



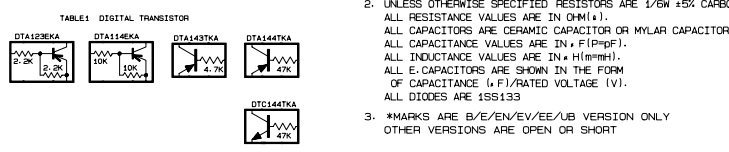
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C1101	100nF	100
C1102	100nF	100
C1103	100nF	100
C1104	100nF	100
C1105	100nF	100
C1106	100nF	100
C1107	100nF	100
C1108	100nF	100
C1109	100nF	100
C1110	100nF	100
C1111	100nF	100
C1112	100nF	100
C1113	100nF	100
C1114	100nF	100
C1115	100nF	100
C1116	100nF	100
C1117	100nF	100
C1118	100nF	100
C1119	100nF	100
C1120	100nF	100
C1121	100nF	100
C1122	100nF	100
C1123	100nF	100
C1124	100nF	100
C1125	100nF	100
C1126	100nF	100
C1127	100nF	100
C1128	100nF	100
C1129	100nF	100
C1130	100nF	100
C1131	100nF	100
C1132	100nF	100
C1133	100nF	100
C1134	100nF	100
C1135	100nF	100
C1136	100nF	100
C1137	100nF	100
C1138	100nF	100
C1139	100nF	100
C1140	100nF	100
C1141	100nF	100
C1142	100nF	100
C1143	100nF	100
C1144	100nF	100
C1145	100nF	100
C1146	100nF	100
C1147	100nF	100
C1148	100nF	100
C1149	100nF	100
C1150	100nF	100



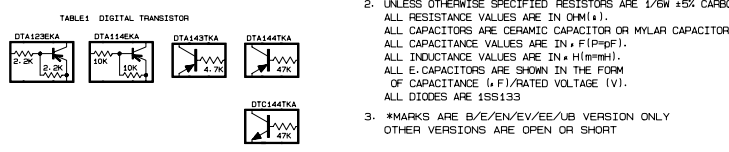
Part	Value	Mark
C1151	100nF	100
C1152	100nF	100
C1153	100nF	100
C1154	100nF	100
C1155	100nF	100
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C1157	100nF	100
C1158	100nF	100
C1159	100nF	100
C1160	100nF	100
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C1163	100nF	100
C1164	100nF	100
C1165	100nF	100
C1166	100nF	100
C1167	100nF	100
C1168	100nF	100
C1169	100nF	100
C1170	100nF	100
C1171	100nF	100
C1172	100nF	100
C1173	100nF	100
C1174	100nF	100
C1175	100nF	100
C1176	100nF	100
C1177	100nF	100
C1178	100nF	100
C1179	100nF	100
C1180	100nF	100
C1181	100nF	100
C1182	100nF	100
C1183	100nF	100
C1184	100nF	100
C1185	100nF	100
C1186	100nF	100
C1187	100nF	100
C1188	100nF	100
C1189	100nF	100
C1190	100nF	100
C1191	100nF	100
C1192	100nF	100
C1193	100nF	100
C1194	100nF	100
C1195	100nF	100
C1196	100nF	100
C1197	100nF	100
C1198	100nF	100
C1199	100nF	100
C1200	100nF	100



Part	Value	Mark
C1201	100nF	100
C1202	100nF	100
C1203	100nF	100
C1204	100nF	100
C1205	100nF	100
C1206	100nF	100
C1207	100nF	100
C1208	100nF	100
C1209	100nF	100
C1210	100nF	100
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C1230	100nF	100
C1231	100nF	100
C1232	100nF	100
C1233	100nF	100
C1234	100nF	100
C1235	100nF	100
C1236	100nF	100
C1237	100nF	100
C1238	100nF	100
C1239	100nF	100
C1240	100nF	100

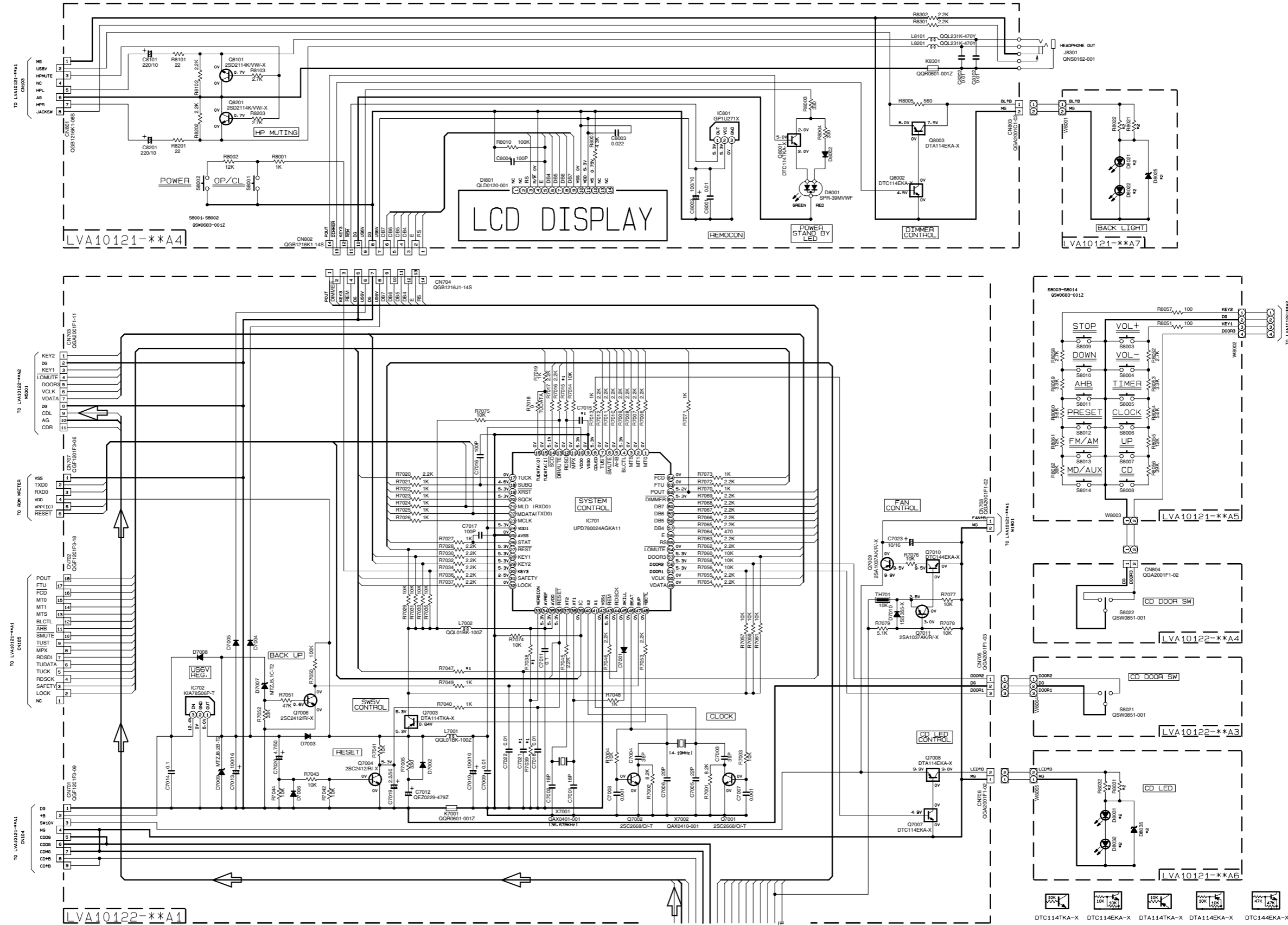


Part	Value	Mark
C1241	100nF	100
C1242	100nF	100
C1243	100nF	100
C1244	100nF	100
C1245	100nF	100
C1246	100nF	100
C1247	100nF	100
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C1258	100nF	100
C1259	100nF	100
C1260	100nF	100
C1261	100nF	100
C1262	100nF	100
C1263	100nF	100
C1264	100nF	100
C1265	100nF	100
C1266	100nF	100
C1267	100nF	100
C1268	100nF	100
C1269	100nF	100
C1270	100nF	100



Part	Value	Mark
C1271	100nF	100
C1272	100nF	100
C1273	100nF	100
C1274	100nF	100
C1275	100nF	100
C1276	100nF	100
C1277	100nF	100
C1278	100nF	100
C1279	100nF	100
C1280	100nF	100
C1281	100nF	100
C1282	100nF	100
C1283	100nF	100
C1284	100nF	100

System control section



NOTES

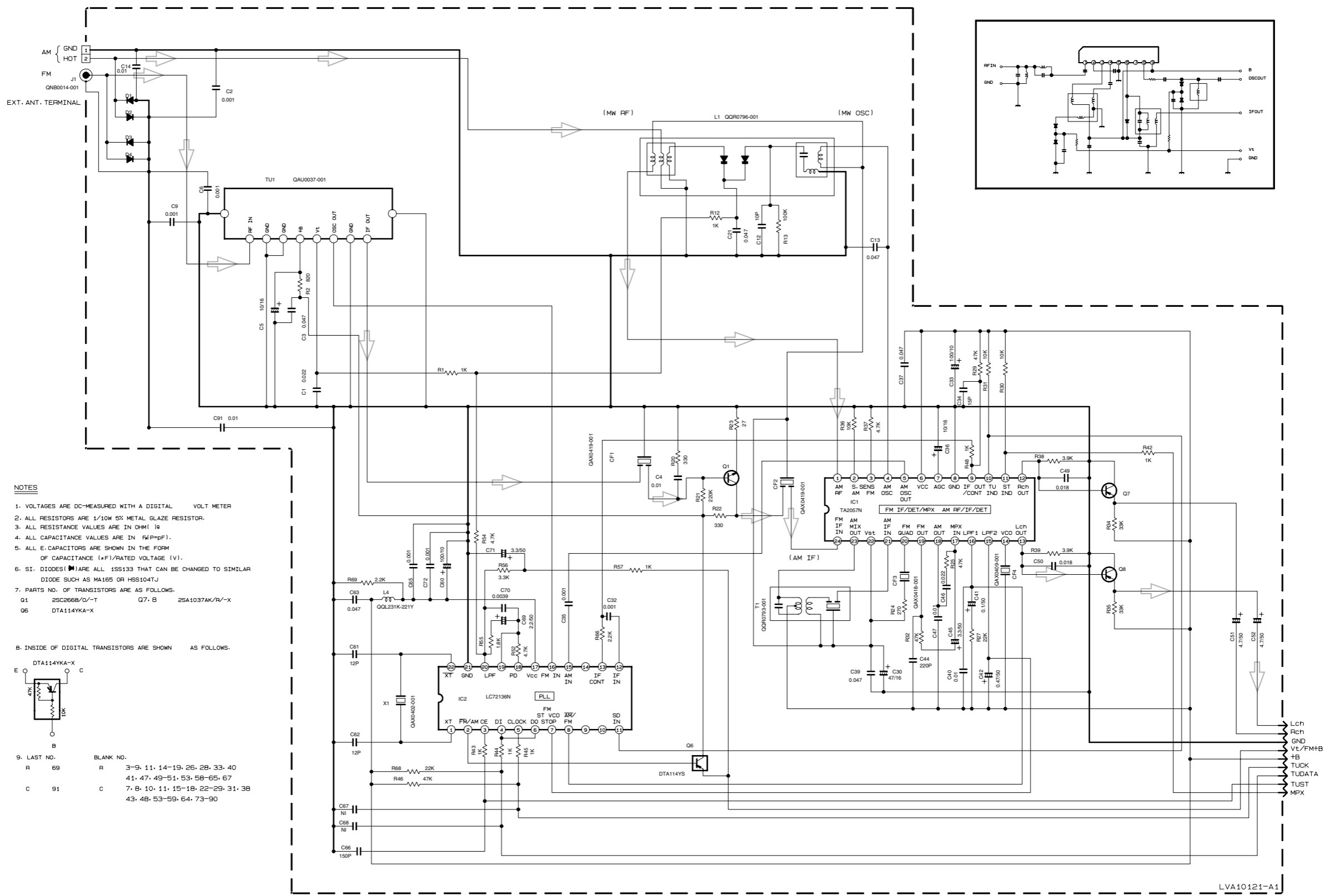
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION - CD STOP AT AC SUPPLY VOL: 16 BASS: 0 TREBLE: 0 AHB: ON DIMMER: OFF
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/10W ±5% MΩ RESISTOR. ALL RESISTANCE VALUES ARE IN Ω(M) (k). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN p(F)(nF)(μF). ALL INDUCTANCE VALUES ARE IN m(H)(μH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V). ALL DIODES ARE 1SS133-2

	U/S	UT	P/F	U/Y	J	EE	A	B/E	EV	U/B
R7038	27K	82K	47K	15K	15K	10K				
R7039	5.6K	27K	33K	15K	20K					
R7015	-	-	-	1K	-	1K				
C7015	-	-	-	100P	-	100P				
R7047	-	-	-	1K	-	1K				
C7021	-	-	-	100P	-	100P				

	FS-SD5(R)	7(R)	FS-SD9(R)
D8021-D8022	SELU1E50CM	TLYH156P	
D8025	MTZJ10C-T2	-	
R8021-R8022	100	390	
D8031-D8032	SELU1E56BM	TLYH156P	
D8035	MA3100/M-X	-	
R8031-R8032	430	560	

CD signal

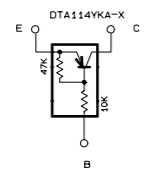
■ Tuner section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. ALL RESISTORS ARE 1/10W 5% METAL GLAZE RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM (Ω)
4. ALL CAPACITANCE VALUES ARE IN PPF(PF).
5. ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (F)/RATED VOLTAGE (V).
6. SI DIODES ARE ALL 1SS133 THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104TJ
7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS:
 Q1 2SC2668/D/-T Q7, B 2SA1037AK/R/-X
 Q6 DTA114YKA-X

B. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.



9. LAST NO. BLANK NO.

R	69	R	3-9, 11, 14-19, 26, 28, 33, 40
		R	41, 47, 49-51, 53, 58-65, 67
C	91	C	7, 8, 10, 11, 15-18, 22-29, 31, 38
		C	43, 48, 53-59, 64, 73-90

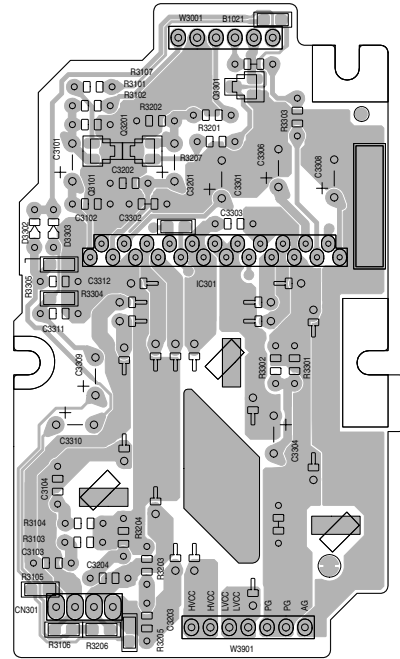
CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.4	3.7	3.7	1.4	0	1.3	1.1	2.0	2.0	5.1	2.0
	FM 60dB STEREO	2.0	0.5	0	2.0	5.1	5.1	1.1	0	0.3	0	0	1.1	1.1	4.3	4.1	3.7	1.4	0	1.4	1.1	2.0	2.0	5.1	2.0
	AM NO SIGNAL	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	5.1	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
FM 87.5MHZ	0 7.5 0.7	8.8 8.8 0	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

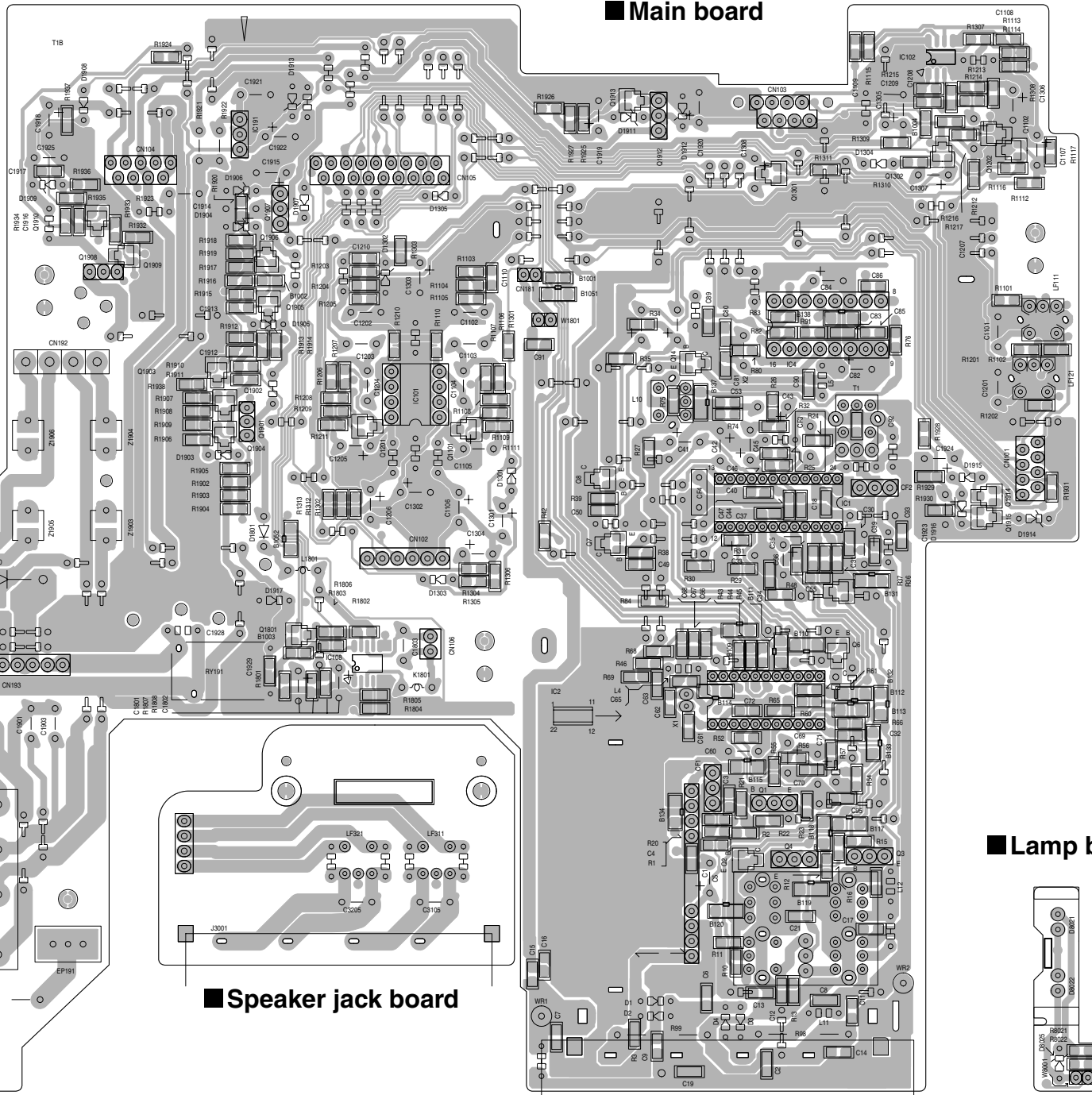
➡ Tuner signal

Printed circuit boards

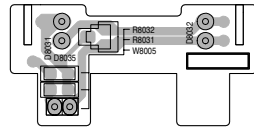
■ Power IC board



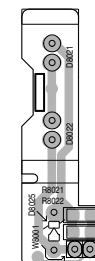
■ Main board



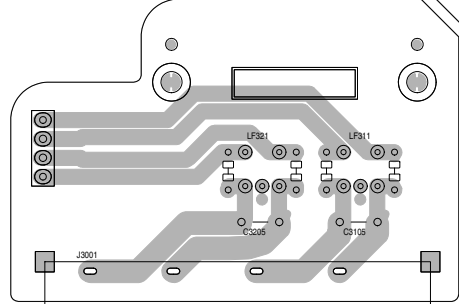
■ LCD lamp board



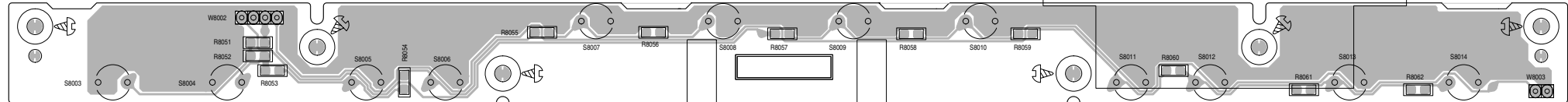
■ Lamp board



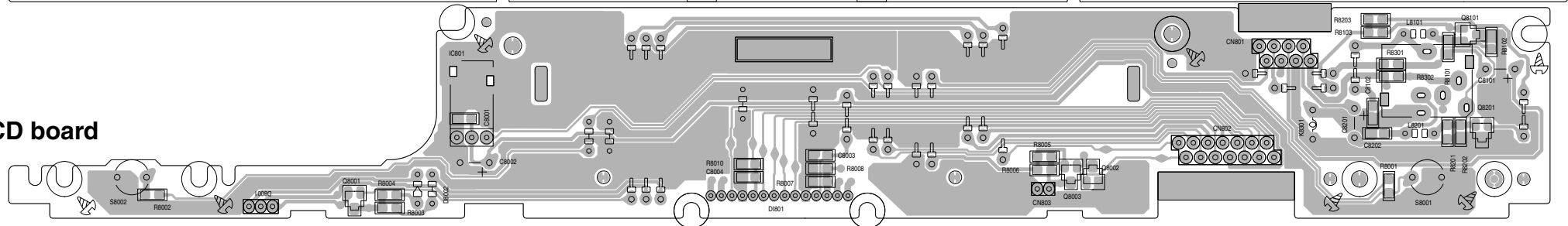
■ Speaker jack board



■ Switch board



■ LCD board



5

4

3

2

1

A

B

C

2-8

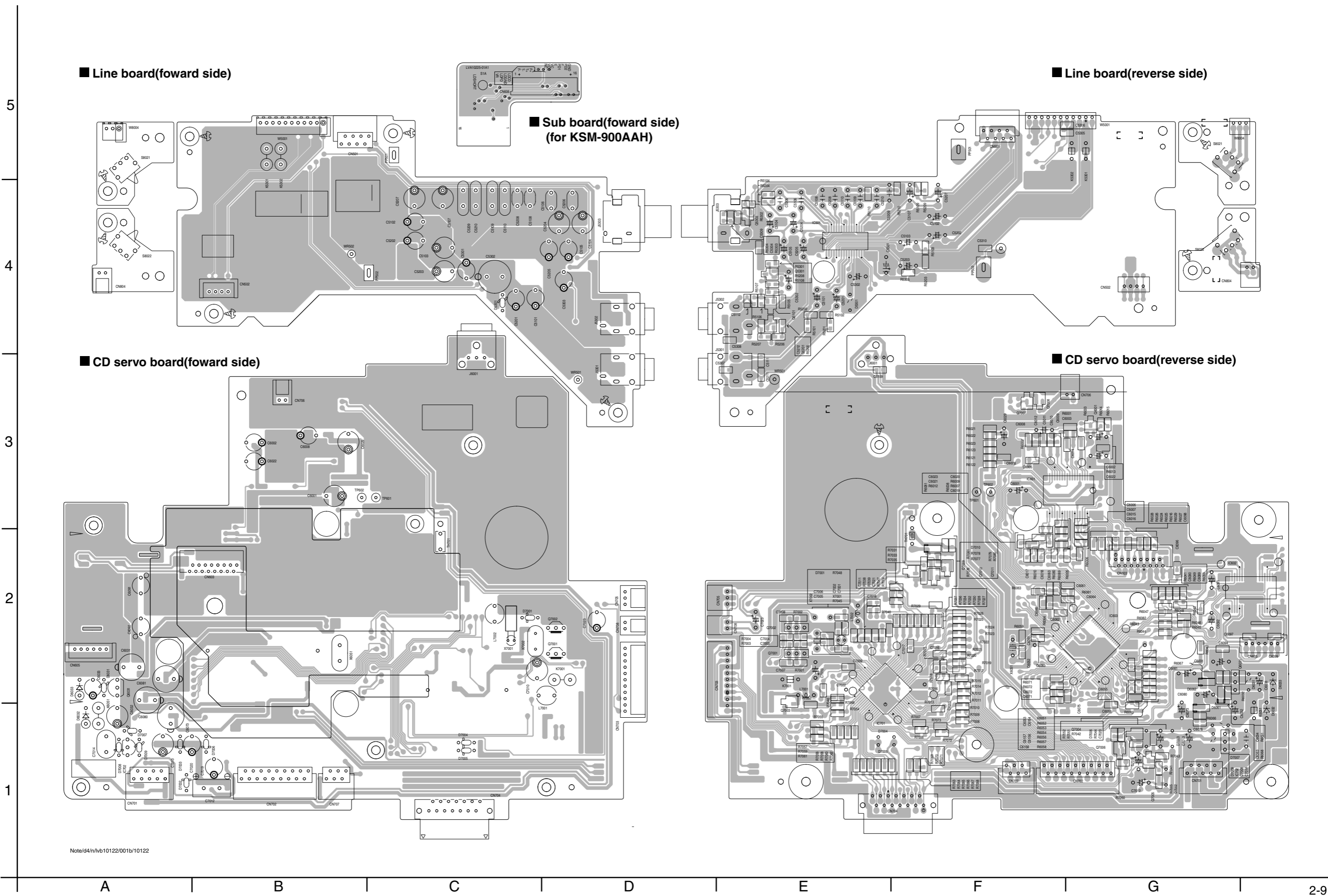
D

E

F

G

H



■ Line board(foward side)

■ Line board(reverse side)

■ Sub board(foward side)
(for KSM-900AAH)

■ CD servo board(foward side)

■ CD servo board(reverse side)

Note: d4/n/vb10122/001b/10122

A

B

C

D

E

F

G