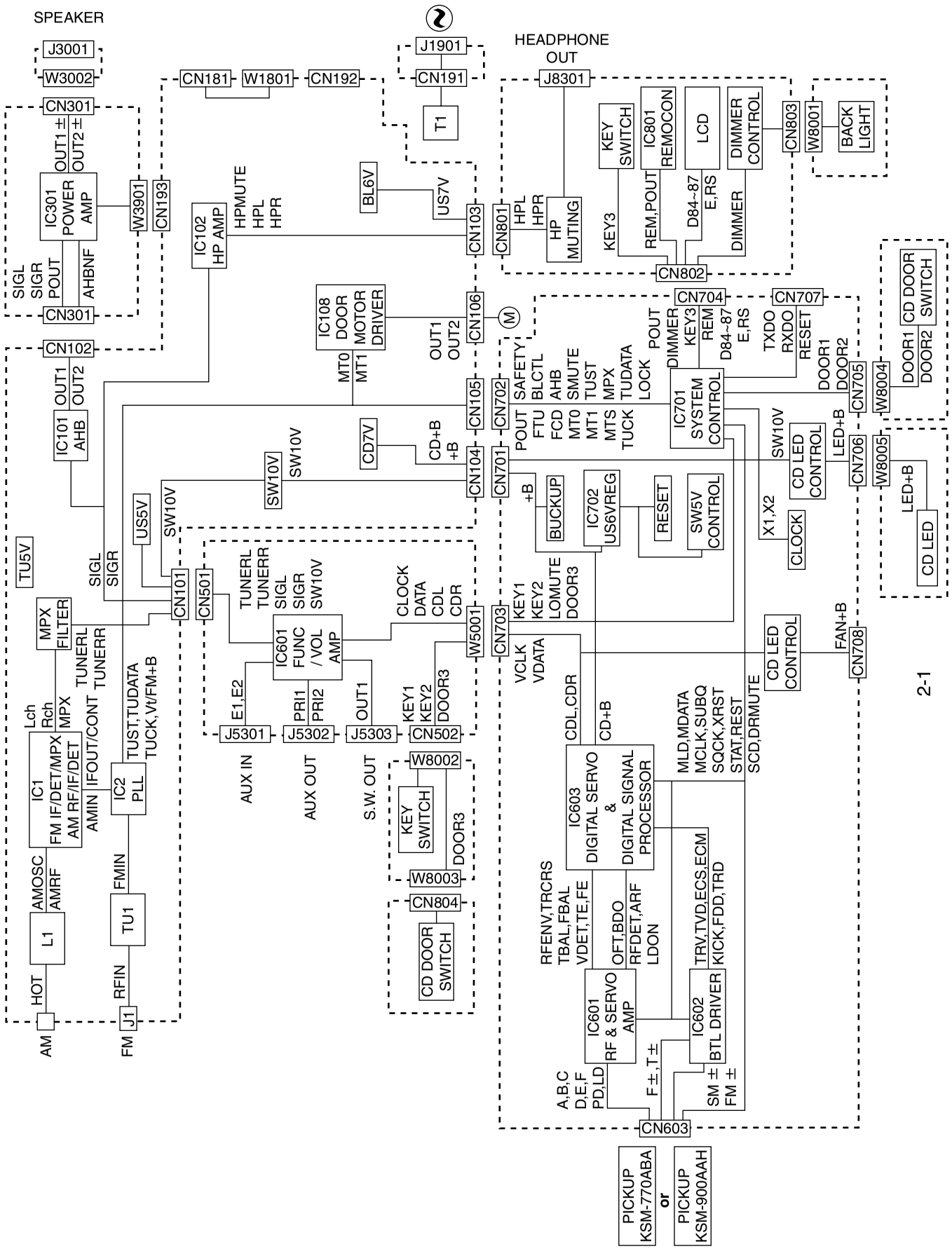
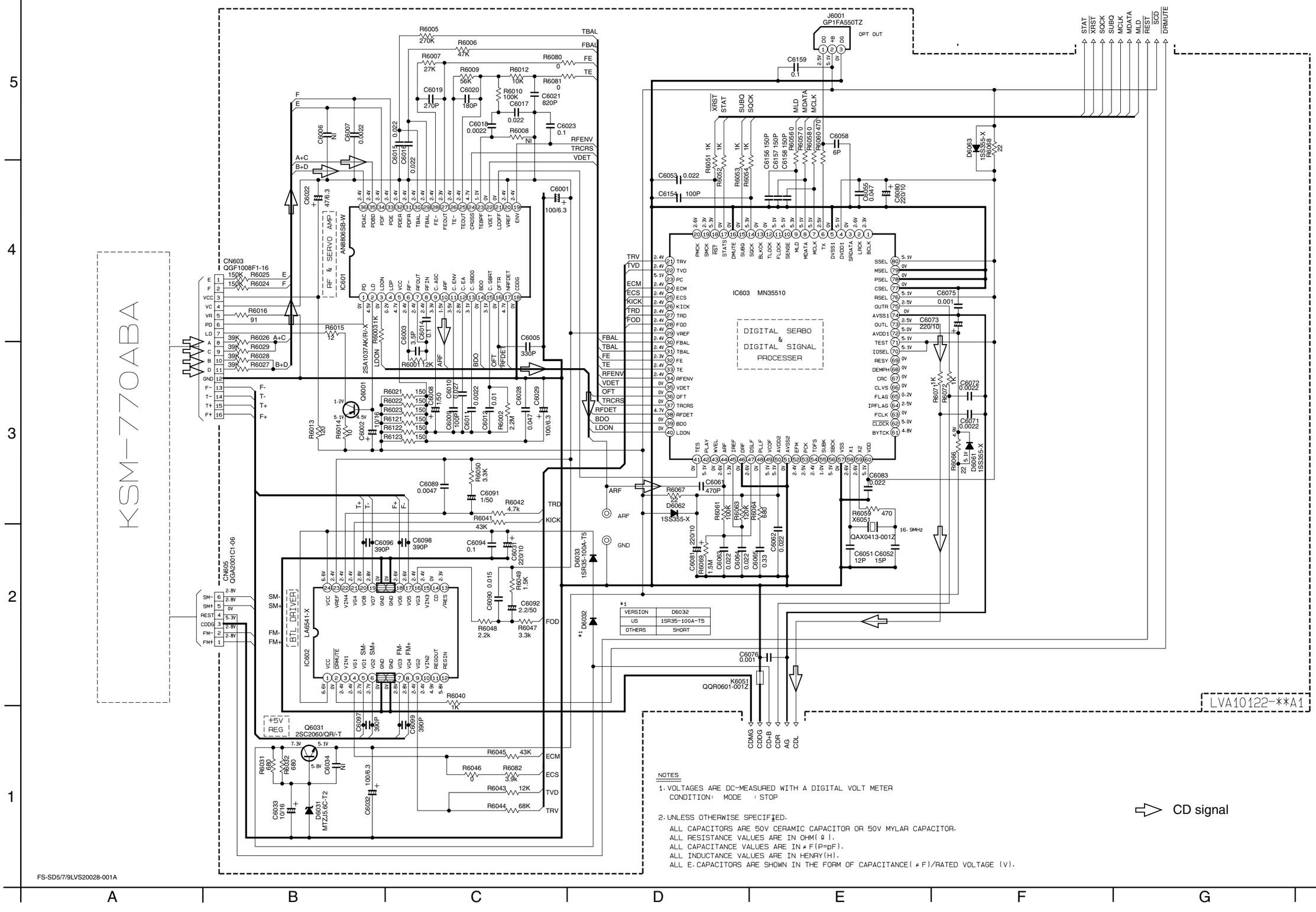
Block diagram



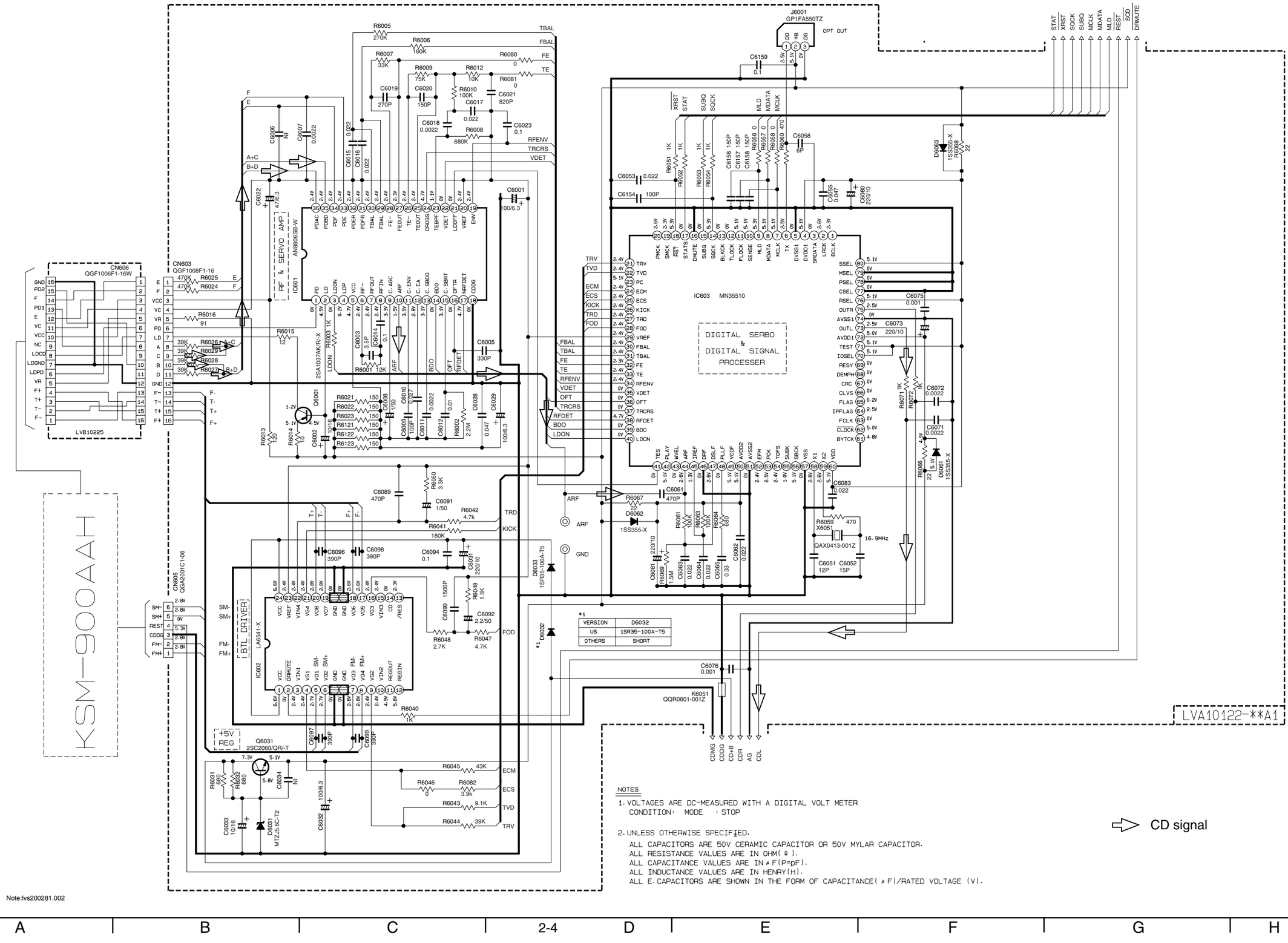
< MEMO >

Standard schematic diagrams

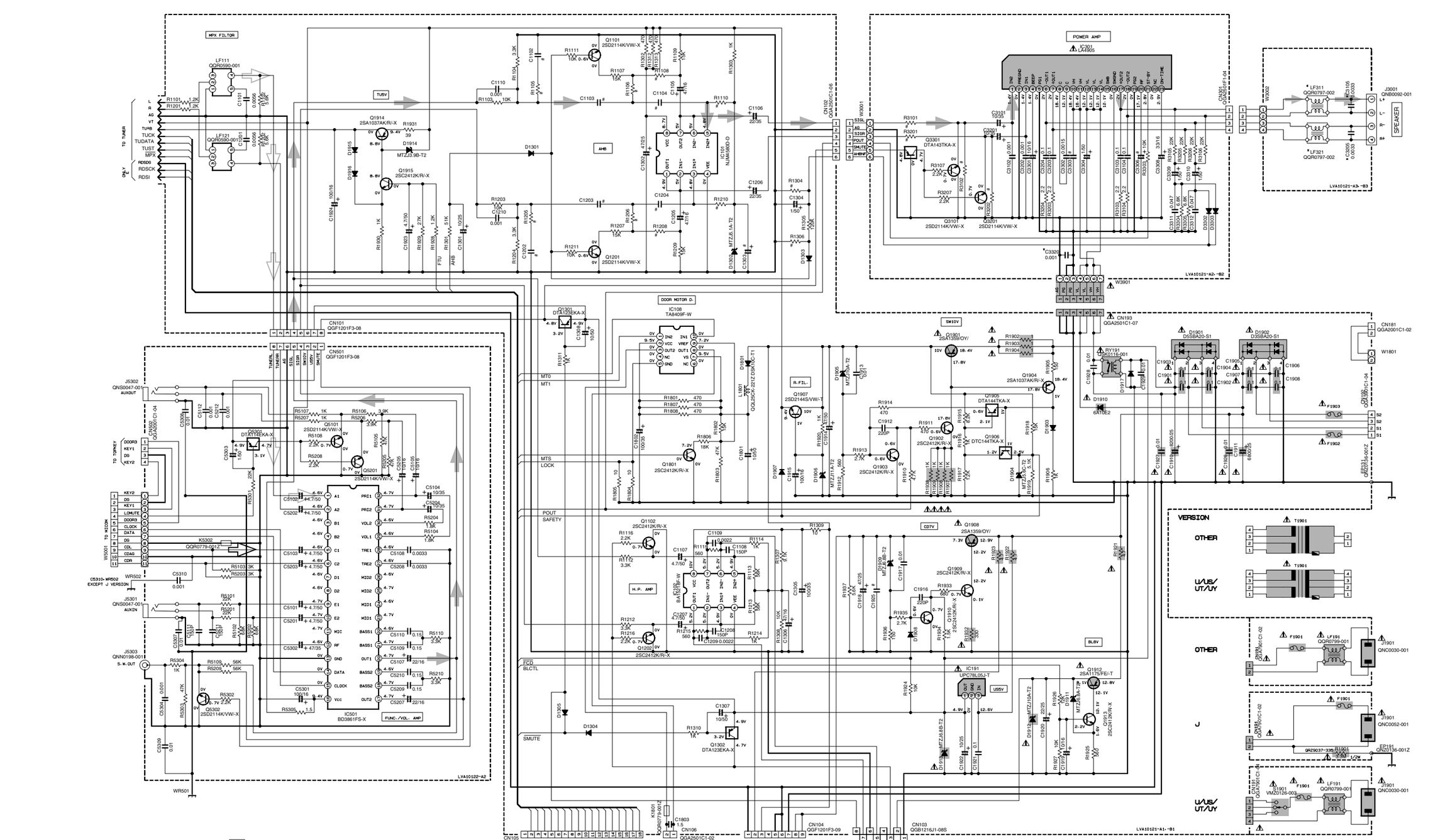
■ CD servo control section (for KSM-770ABA)



■ CD servo control section (for KSM-900AAH)

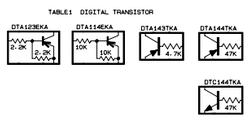


■ Power supply & main circuit section



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 1/6W ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(ε). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN ε F(P=pF). ALL INDUCTANCE VALUES ARE IN ε H(m=mH). ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (ε 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

TABLE1 DIGITAL TRANSISTOR



#Marks

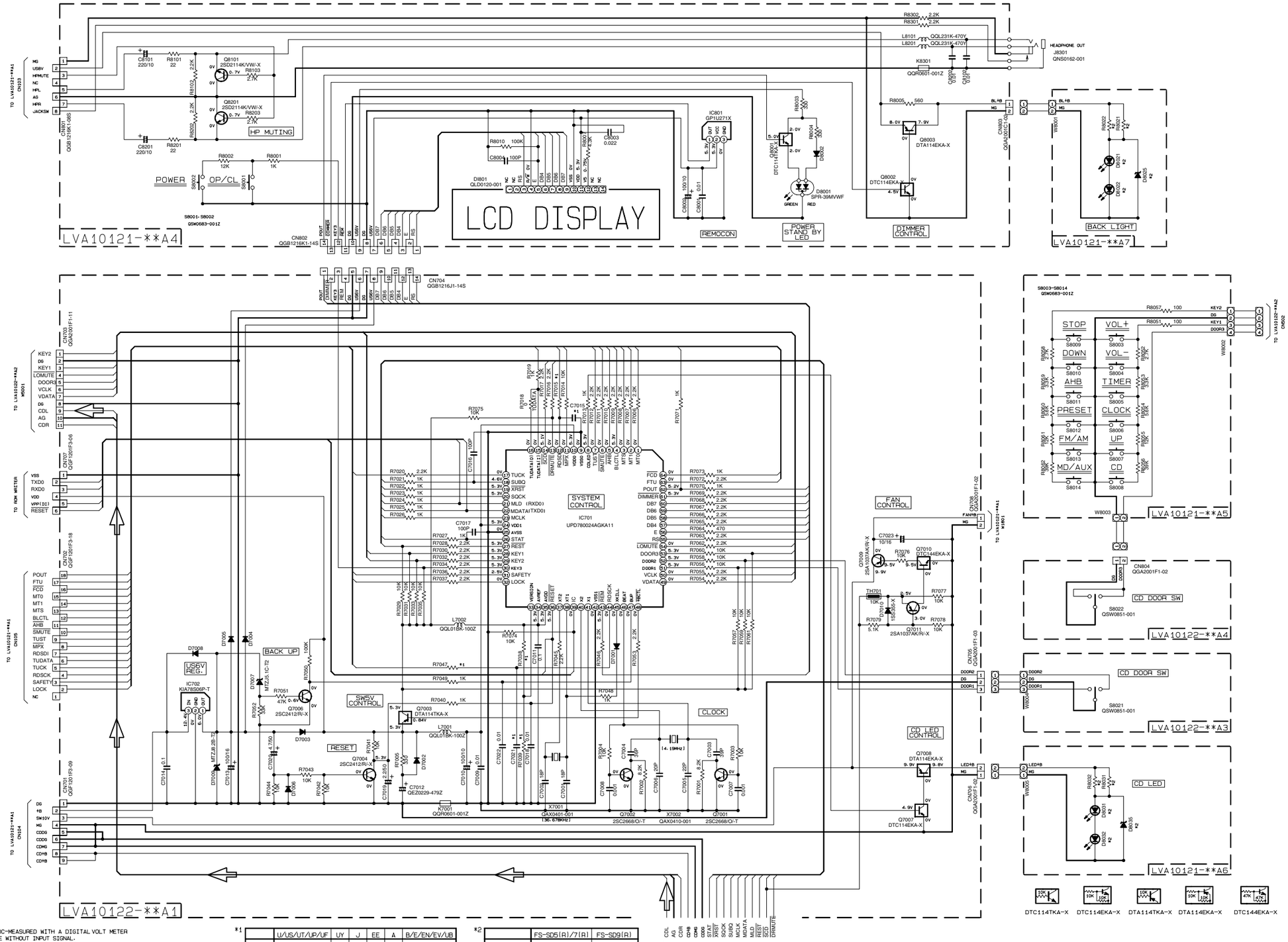
	R1105 R1205	C1102 C1202	C1103 C1203	C1104 C1204	R1106 R1206	R1108 R1208	R1110 R1210	R1304	R1306	R3101 R3201	R3102 R3202	C1303	C3303	C3306	C1925
SD5	3.9K	0.15	0.082	0.082	1.5K	3K	180K	150K	51K	5.6K	6.8K	22/35	0.01	100/35	0.01
SD7	2.7K	0.22	0.056	0.056	3.9K	4.3K	220K	220K	56K	4.3K	10K	↑	↑	↑	↑
SD9	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	47/25	0.1	47/25	0.022

	T1901	F1901	F1902	F1903
J	GQT0286-002	QMF51N2-1R0-J1	QMF51U1-8R0-J1	QMF51U1-4R0-J1
B/E/EN EV/EE/UB	GQT0286-003	QMF51E2-R50-J1	QMF51E2-6R3-J1	QMF51E2-3R15-J1
U/AS UT/UY	GQT0286-004	QMF51E2-1R0-J1	QMF51E2-5R0-J1	↑
A	GQT0286-005	QMF51E2-R50-J1	QMF51E2-6R3-J1	↑
UF/UP	GQT0286-006	↑	↑	↑

Tuner signal
CD signal
Main signal

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

■ System control section



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 AHB:ON DIMMER:OFF
2. UNLESS OTHERWISE SPECIFIED ,RESISTORS ARE 1/10W ±5% MG RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(k).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN ,F(P=pF).
   ALL INDUCTANCE VALUES ARE IN ,H(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (,F)/RATED VOLTAGE (V).
   ALL DIODES ARE 1SS133-T2

*1

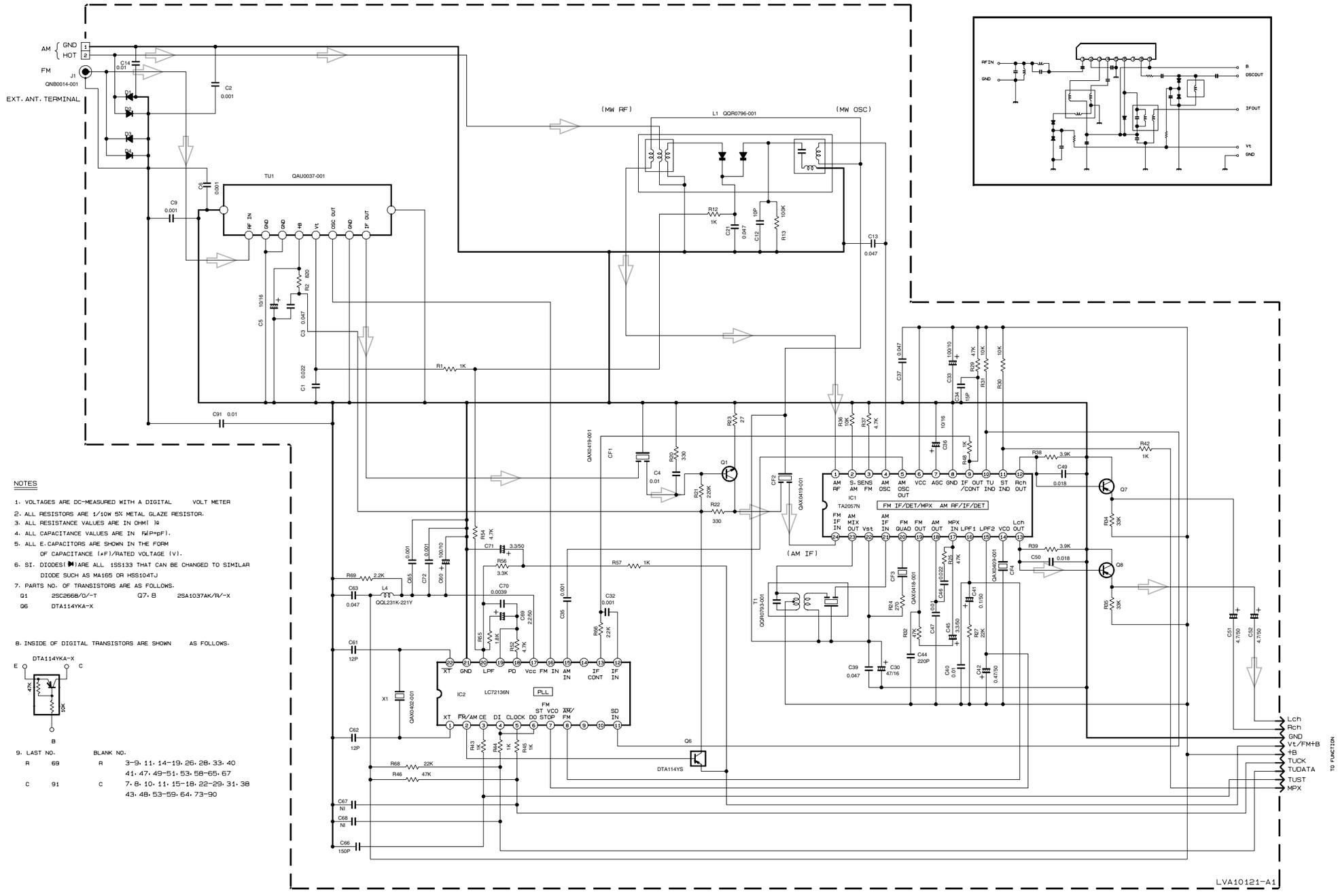
	U/US/UT/UP/UF	UY	J	EE	A	B/E/EN/EV/UB
R7038	27K	82K	47K	15K	15K	10K
R7039	5.6K	27K	33K	15K	20K	–
R7015	–	–	–	1K	–	1K
C7015	–	–	–	100P	–	100P
R7047	–	–	–	1K	–	1K
C7021	–	–	–	100P	–	100P

*2

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

FS-SD5/7/9 LVS10058-001A

■ 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 F(P=pF).
5. ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/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/O/-T Q7.8 2SA1037AK/R/-X
   Q6 DTA114YKA-X
8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.

9. LAST NO.
   R 69
   C 91
   BLANK NO.
   R 3-9. 11. 14-19. 26. 28. 33. 40 41. 47. 49-51. 53. 58-65. 67
   C 7. 8. 10. 11. 15-18. 22-29. 31. 38 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

Note:lvs200297

FS-SD5/FS-SD7/FS-SD9

Printed circuit boards

■ Power IC board

■ Main board

■ LCD lamp board

■ Lamp board

■ Speaker jack board

■ Switch board

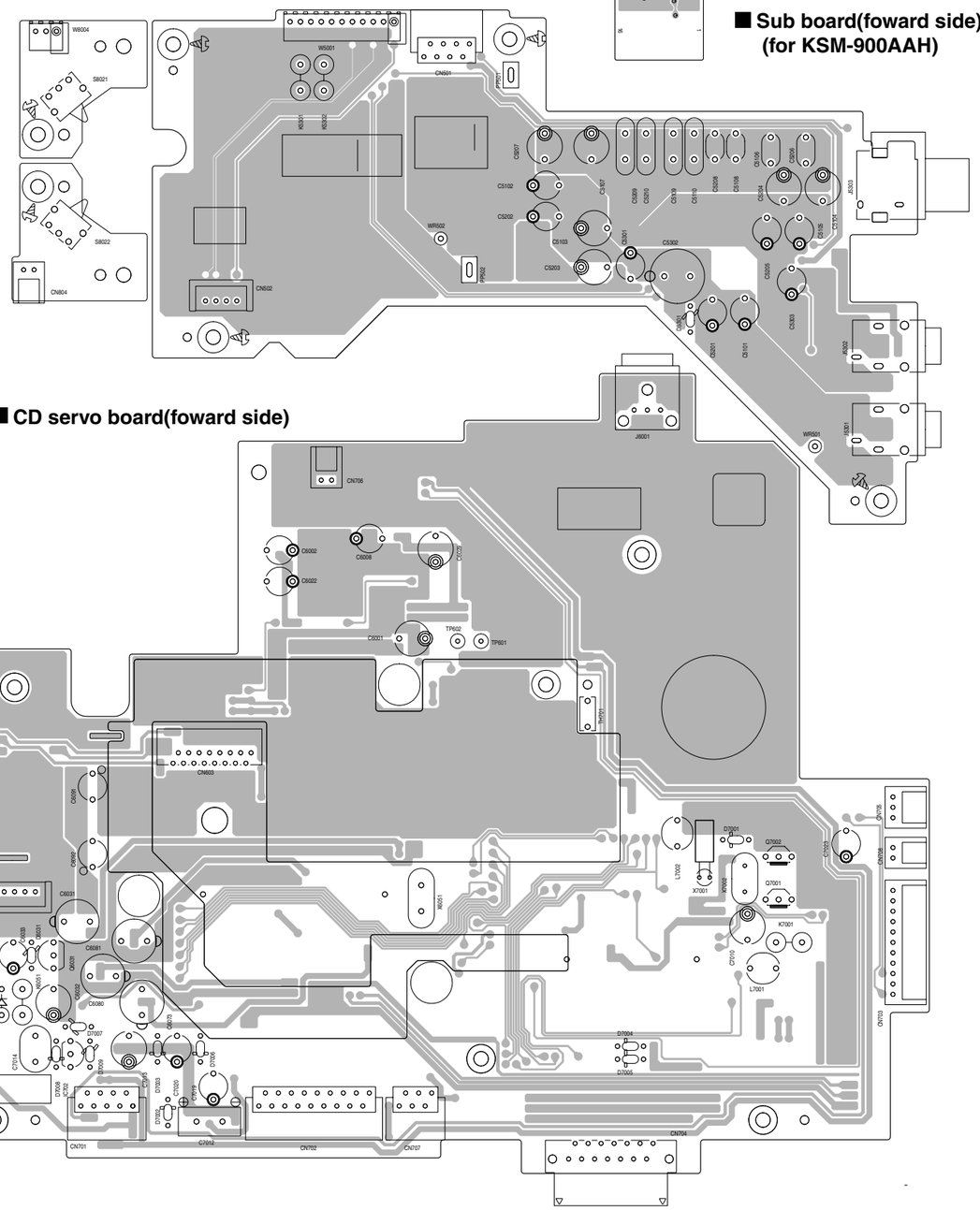
■ LCD board

NOTE:/d1/r/lvb10121/001b/10121

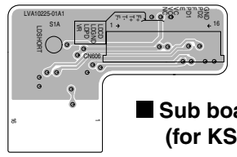
5 4 3 2 1

A B C 2-8 D E F G H

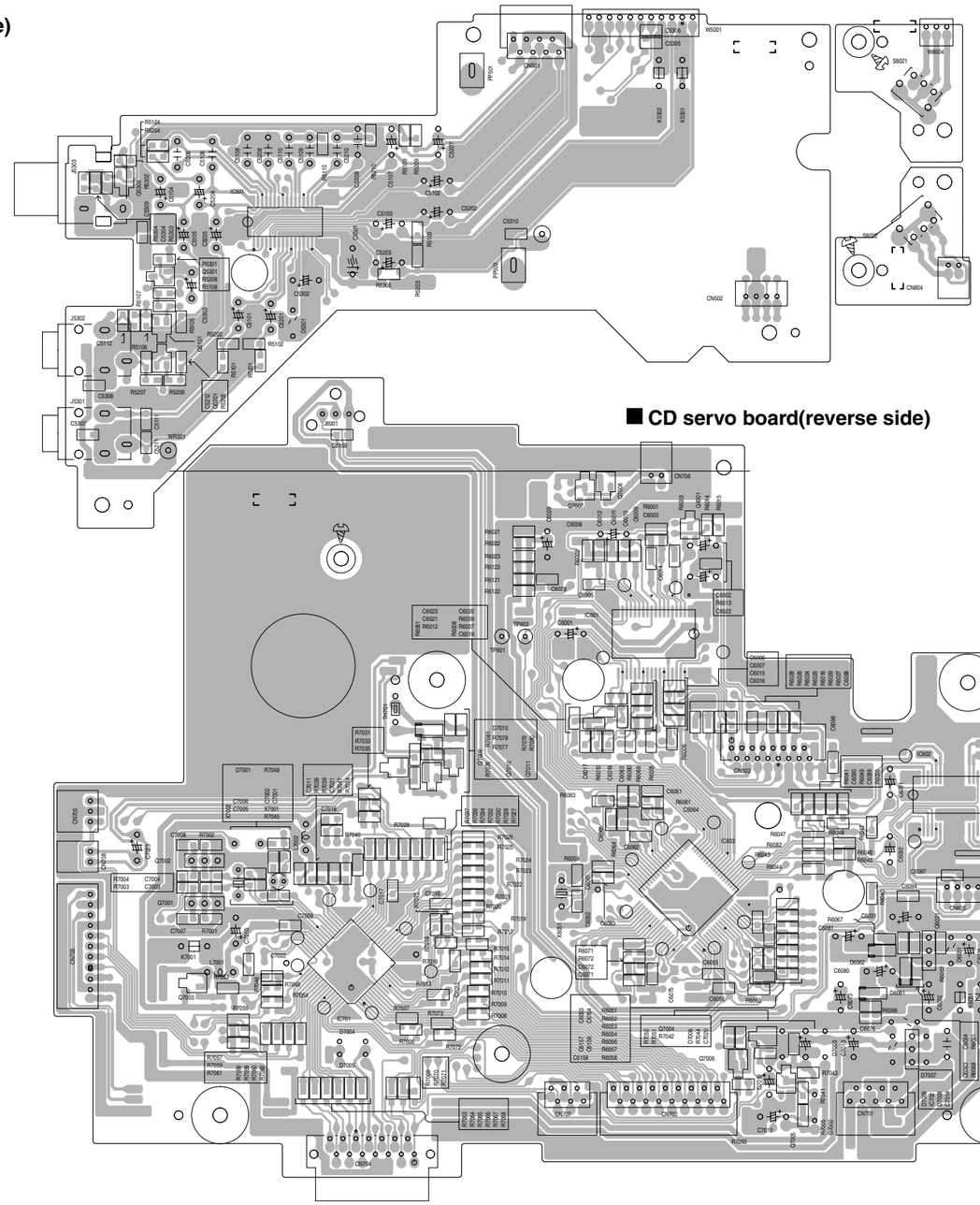
■ Line board(foward side)



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



■ Line board(reverse side)



■ CD servo board(foward side)

■ CD servo board(reverse side)

Note/d4/n/lvb10122/001b/10122