

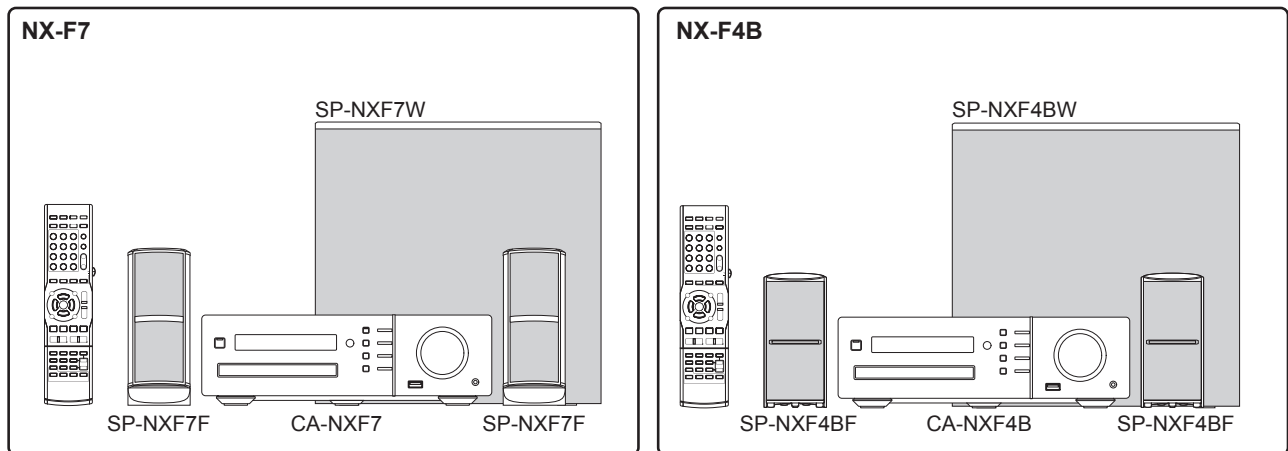
# JVC

## SCHEMATIC DIAGRAMS

### COMPACT COMPONENT SYSTEM

**NX-F7B, NX-F7E, NX-F7EN, NX-F7EV  
NX-F7EE, NX-F7UA, NX-F7US, NX-F7UB  
NX-F7UF, NX-F7UT, NX-F4BB, NX-F4BE  
NX-F4BEN, NX-F4BEV**

DVD-ROM No.SML2008Q2



**HDMI**



**MPEG-4  
ASF PLAYBACK**

**Digital Direct Progressive Scan**

**Radio Data System**

(Except NX-F7EE)



(Only for NX-F7) (Only for NX-F7EE)

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)

#### Contents

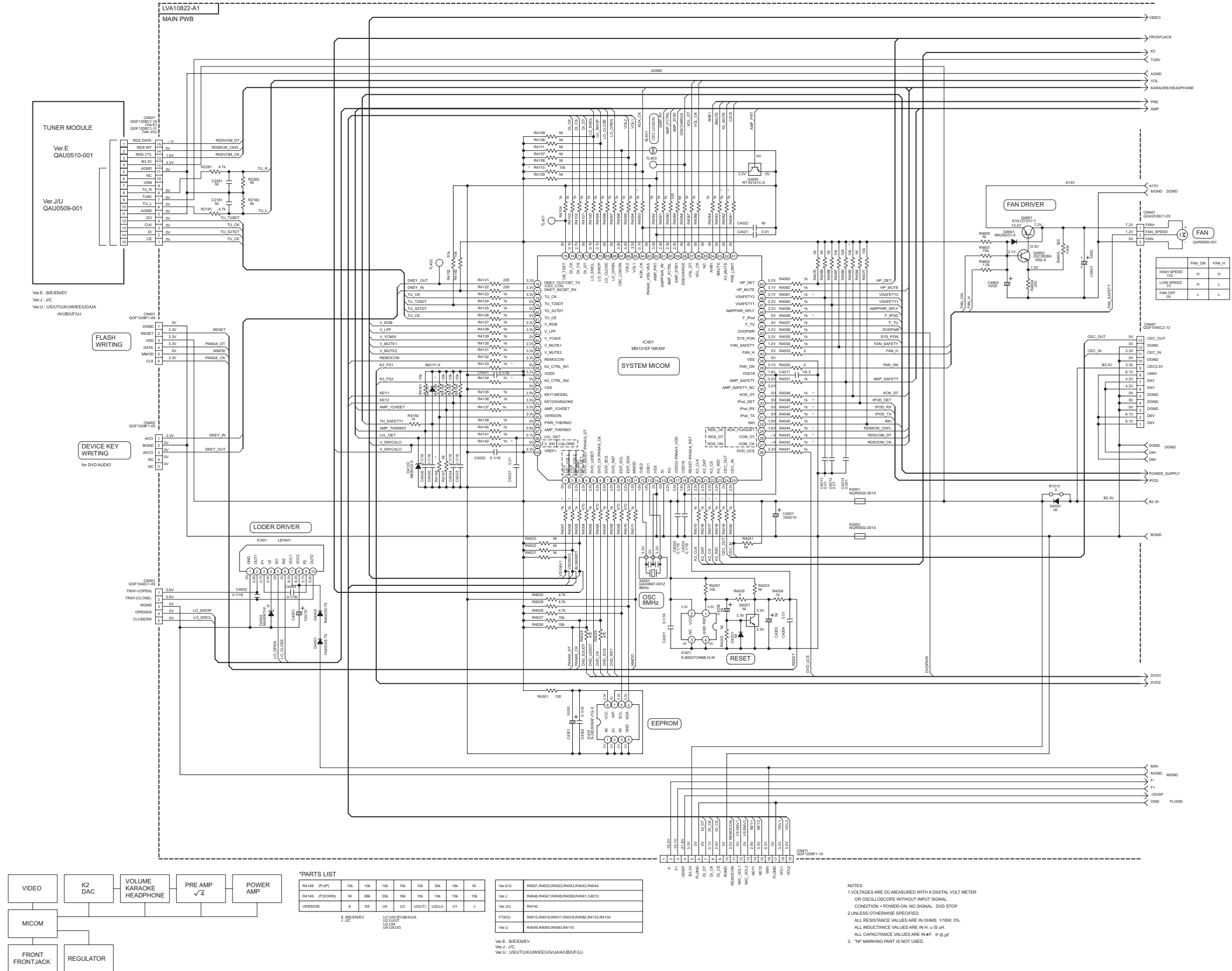
Block diagrams .....	2-1
Standard schematic diagrams .....	2-2
Printed circuit boards .....	2-14 to 16

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▣) and ICP (●) or identified by the "▲" mark nearby are critical for safety.

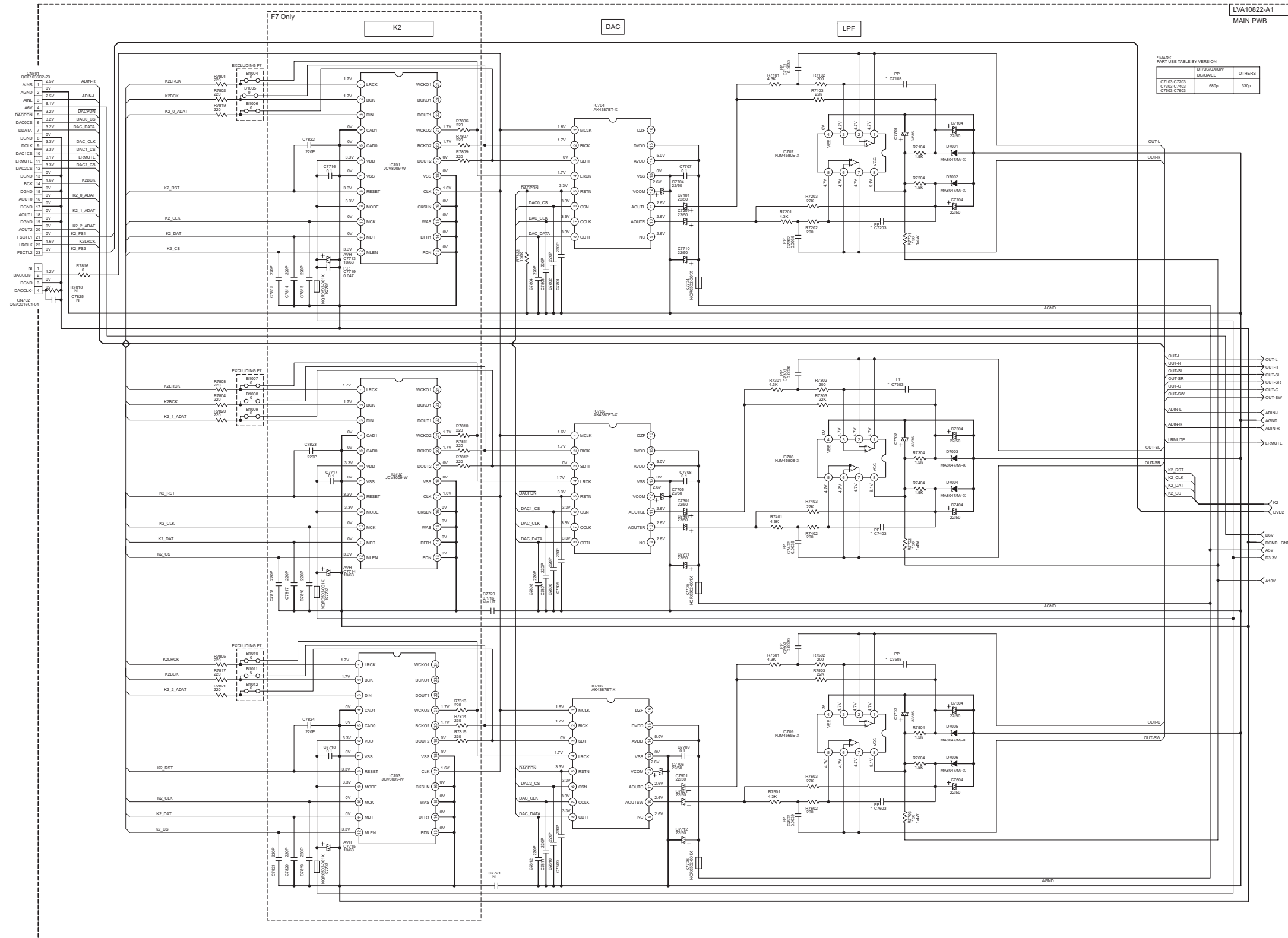




**Micom section**

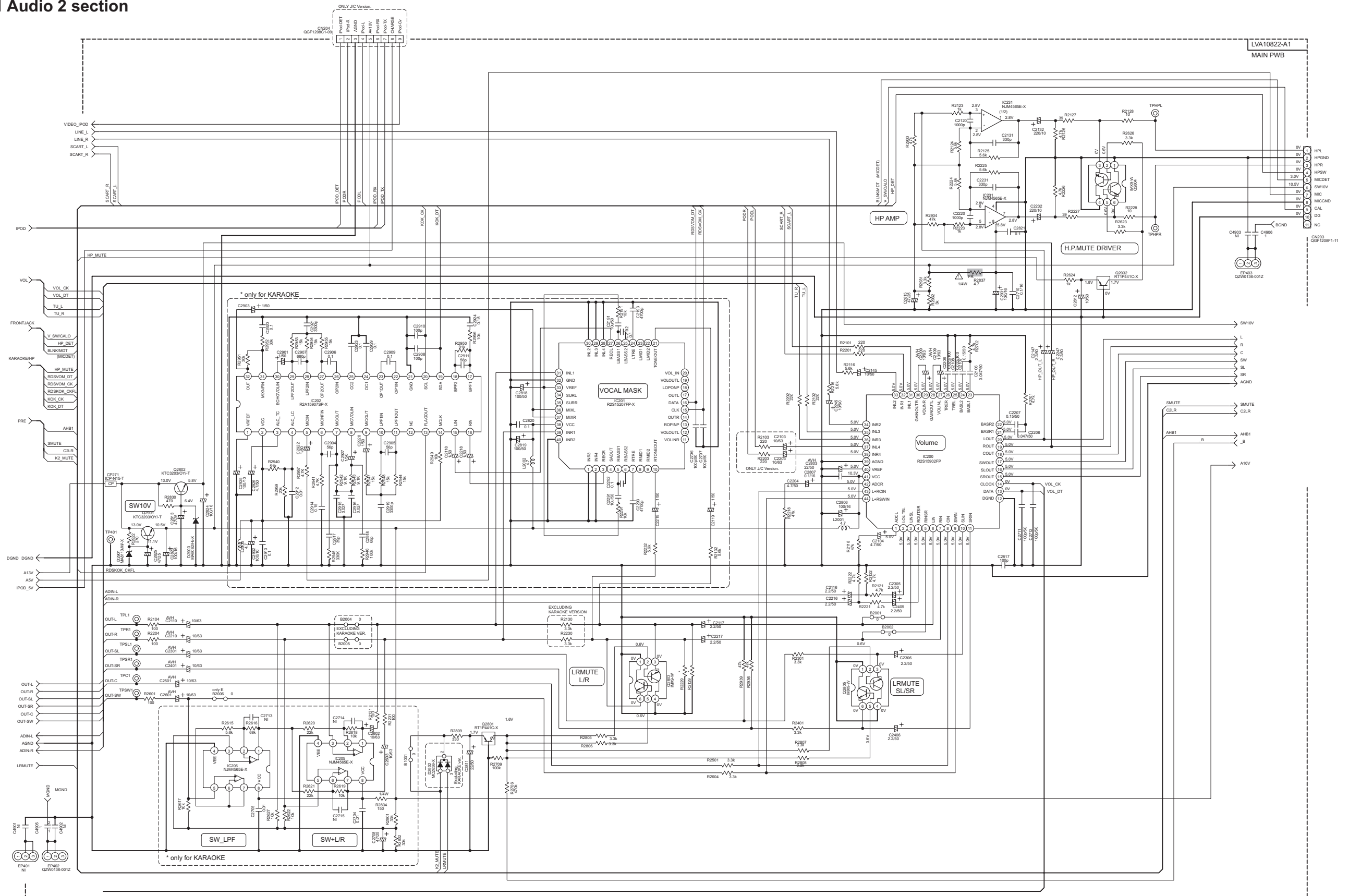


■ Audio 1 section



NOTES 1. VOLTAGES ARE CD MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.  
 CONDITION - CD STOP MODE  
 2. UNLESS OTHERWISE SPECIFIED  
 RESISTORS ARE 1/8W ±5% METAL GLAZE RESISTOR.  
 ALL RESISTORS ARE IN OHM (Ω)  
 ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.  
 ALL CAPACITANCE VALUES ARE IN pF (pF).  
 ALL INDUCTANCE VALUES ARE IN μH (μH).  
 ALL CAPACITORS ARE SHOWN IN THE FORM RESET OF INH CAPACITANCE (μF/RATED VOLTAGE (V))

# Audio 2 section



NOTES: 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.  
 CONDITION - POWER-ON, NO SIGNAL, DVD STOP.  
 2. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCE VALUES ARE IN OHMS, 1/16W, 5%. ALL INDUCTANCE VALUES ARE IN H. u IS uH. ALL CAPACITANCE VALUES ARE IN uF. P IS pF.  
 3. "NF" MARKING PART IS NOT USED.

\* only for KARAOKE

Ver. EE,US,UF,UA,UT,UW,UX,UG

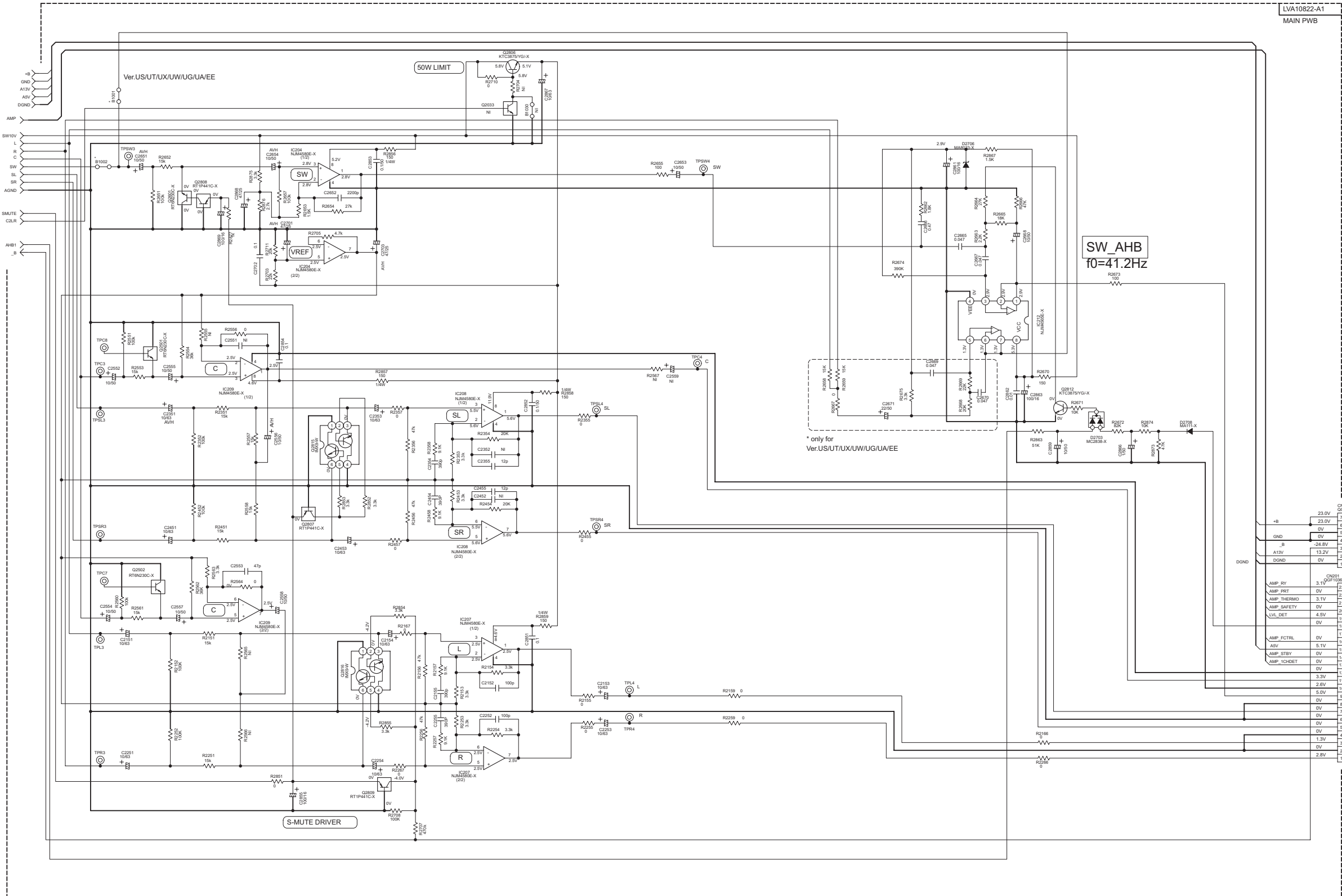
PART USE TABLE BY VERSION

	DF/ES/OL/UN	OTHERS
R2129,R2229	12K	47K
D2802	NOT USE	USE
B1931	USE	NOT USE
R2004,B2005	NOT USE	USE
R1130,R2230	NOT USE	USE

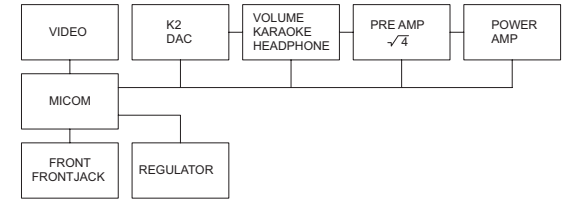
Parts are safety assurance parts. When replacing those parts make sure to use the specified one.



■ Audio 3 section



23.0V	7	AMP_RV
23.0V	8	AMP_PRT
0V	9	AMP_THERMO
AGND	10	AMP_THERMO
-24.8V	11	AMP_SAFETY
0V	12	LVL_DET
13.2V	13	LVL_DET
0V	14	AMP_FCTRL
0V	15	AMP_FCTRL
5.1V	16	ASV
0V	17	AMP_STBY
0V	18	AMP_STBY
0V	19	AMP_1CHDET
0V	20	AMP_1CHDET
3.3V	21	CG
2.6V	22	C
5.0V	23	SWG
0V	24	SW
0V	25	SLG
0V	26	SL
0V	27	SRG
0V	28	SR
1.3V	29	FLG
0V	30	FL
2.8V	31	FR



PART USE TABLE BY VERSION		KARAOKE Version	
BI/EVEN/VA/UB	CU/FLU	UT/US/UX/UW	LV/LA/KE
C2103,C2104	1083	0.047	
C2105,C2106	1083	0.047	
C2107,C2108	1083	0.047	
C2109,C2110	1083	0.047	
C2111,C2112	1083	0.047	
C2113,C2114	1083	0.047	
C2115,C2116	1083	0.047	
C2117,C2118	1083	0.047	
C2119,C2120	1083	0.047	
C2121,C2122	1083	0.047	
C2123,C2124	1083	0.047	
C2125,C2126	1083	0.047	
C2127,C2128	1083	0.047	
C2129,C2130	1083	0.047	
C2131,C2132	1083	0.047	
C2133,C2134	1083	0.047	
C2135,C2136	1083	0.047	
C2137,C2138	1083	0.047	
C2139,C2140	1083	0.047	
C2141,C2142	1083	0.047	
C2143,C2144	1083	0.047	
C2145,C2146	1083	0.047	
C2147,C2148	1083	0.047	
C2149,C2150	1083	0.047	
C2151,C2152	1083	0.047	
C2153,C2154	1083	0.047	
C2155,C2156	1083	0.047	
C2157,C2158	1083	0.047	
C2159,C2160	1083	0.047	
C2161,C2162	1083	0.047	
C2163,C2164	1083	0.047	
C2165,C2166	1083	0.047	
C2167,C2168	1083	0.047	
C2169,C2170	1083	0.047	
C2171,C2172	1083	0.047	
C2173,C2174	1083	0.047	
C2175,C2176	1083	0.047	
C2177,C2178	1083	0.047	
C2179,C2180	1083	0.047	
C2181,C2182	1083	0.047	
C2183,C2184	1083	0.047	
C2185,C2186	1083	0.047	
C2187,C2188	1083	0.047	
C2189,C2190	1083	0.047	
C2191,C2192	1083	0.047	
C2193,C2194	1083	0.047	
C2195,C2196	1083	0.047	
C2197,C2198	1083	0.047	
C2199,C2200	1083	0.047	
C2201,C2202	1083	0.047	
C2203,C2204	1083	0.047	
C2205,C2206	1083	0.047	
C2207,C2208	1083	0.047	
C2209,C2210	1083	0.047	
C2211,C2212	1083	0.047	
C2213,C2214	1083	0.047	
C2215,C2216	1083	0.047	
C2217,C2218	1083	0.047	
C2219,C2220	1083	0.047	
C2221,C2222	1083	0.047	
C2223,C2224	1083	0.047	
C2225,C2226	1083	0.047	
C2227,C2228	1083	0.047	
C2229,C2230	1083	0.047	
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C2235,C2236	1083	0.047	
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C2239,C2240	1083	0.047	
C2241,C2242	1083	0.047	
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C2247,C2248	1083	0.047	
C2249,C2250	1083	0.047	
C2251,C2252	1083	0.047	
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C2255,C2256	1083	0.047	
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C2465,C2466	1083	0.047	
C2467,C2468	1083	0.047	
C2469,C2470	1083	0.047	
C2471,C2472	1083	0.047	
C2473,C2474	1083	0.047	
C2475,C2476	1083	0.047	
C2477,C2478	1083	0.047	
C2479,C2480	1083	0.047	
C2481,C2482	1083	0.047	
C2483,C2484	1083	0.047	
C2485,C2486	1083	0.047	
C2487,C2488	1083	0.047	
C2489,C2490	1083	0.047	
C2491,C2492	1083	0.047	
C2493,C2494	1083	0.047	
C2495,C2496	1083	0.047	
C2497,C2498	1083	0.047	
C2499,C2500	1083	0.047	

NOTES 1.VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION: CD STOP MODE 2.UNLESS OTHERWISE SPECIFIED.

ALL RESISTANCE VALUES ARE IN OHM (Ω)

ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.

ALL CAPACITANCE VALUES ARE IN μF(μF).

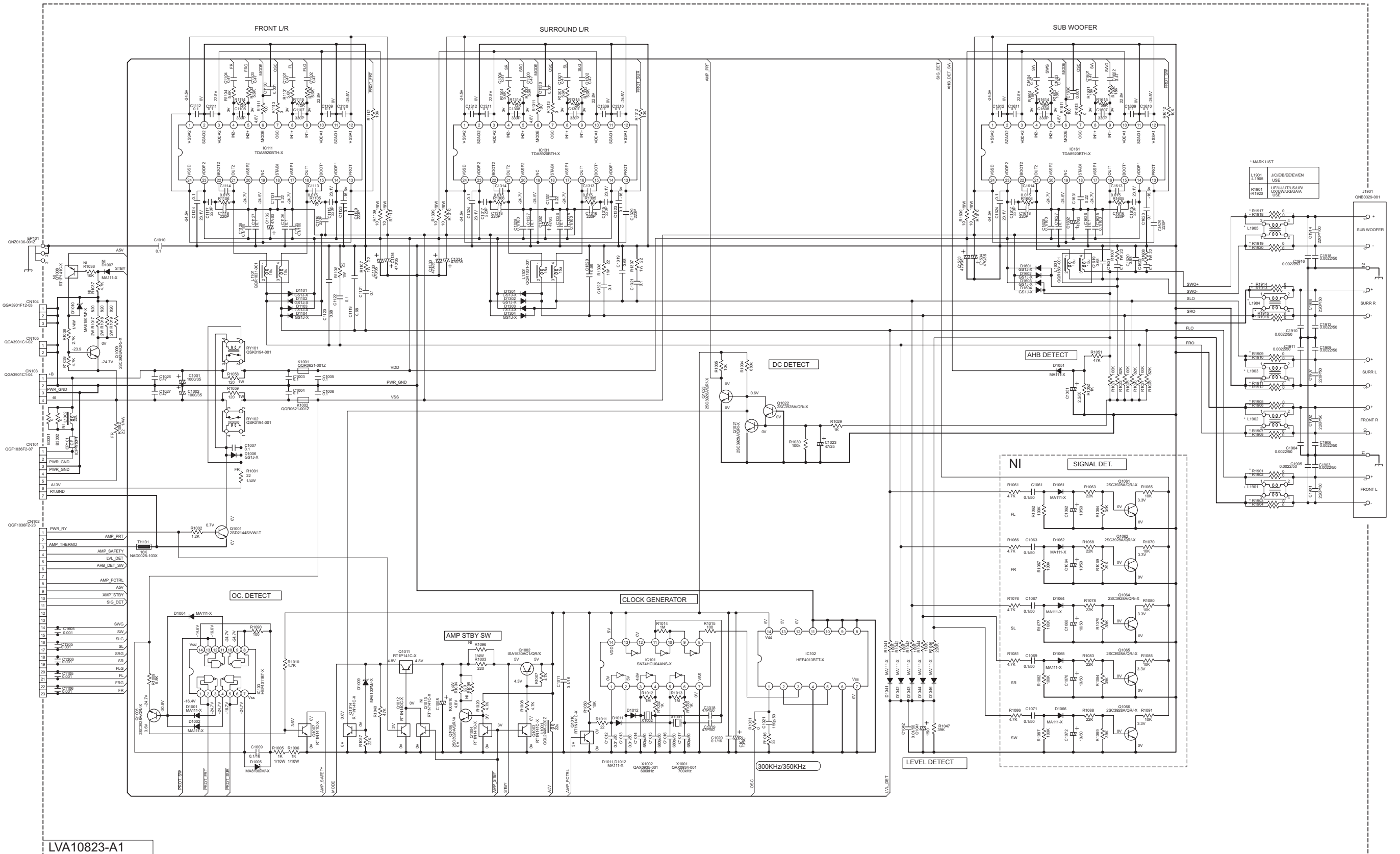
ALL INDUCTANCE VALUES ARE IN μH(μH).

ALL ELECTROLYTIC CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

ALL DIODES ARE 1SS133-T2

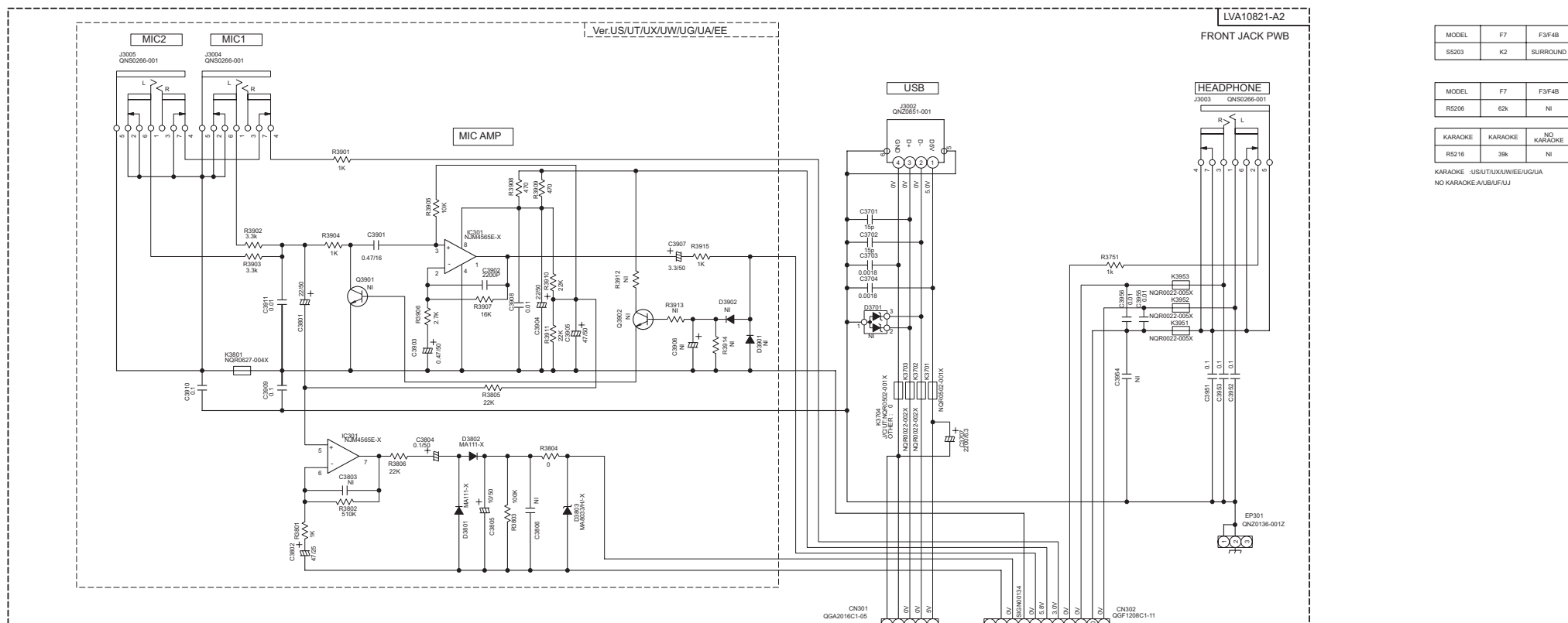
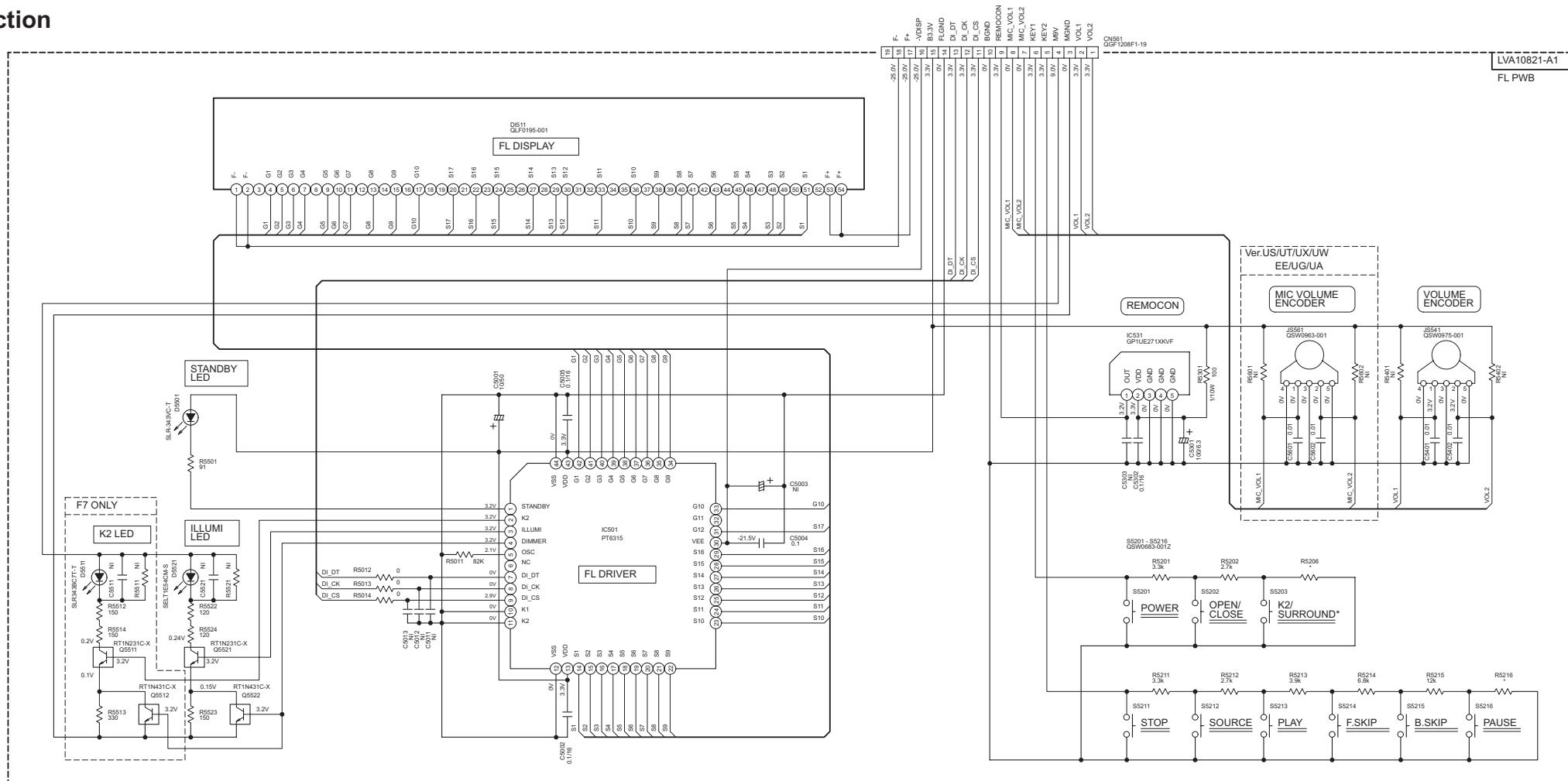


■ Digital amp section



LVA10823-A1

■ FL/Front jack section



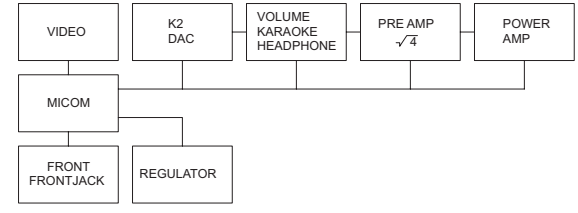
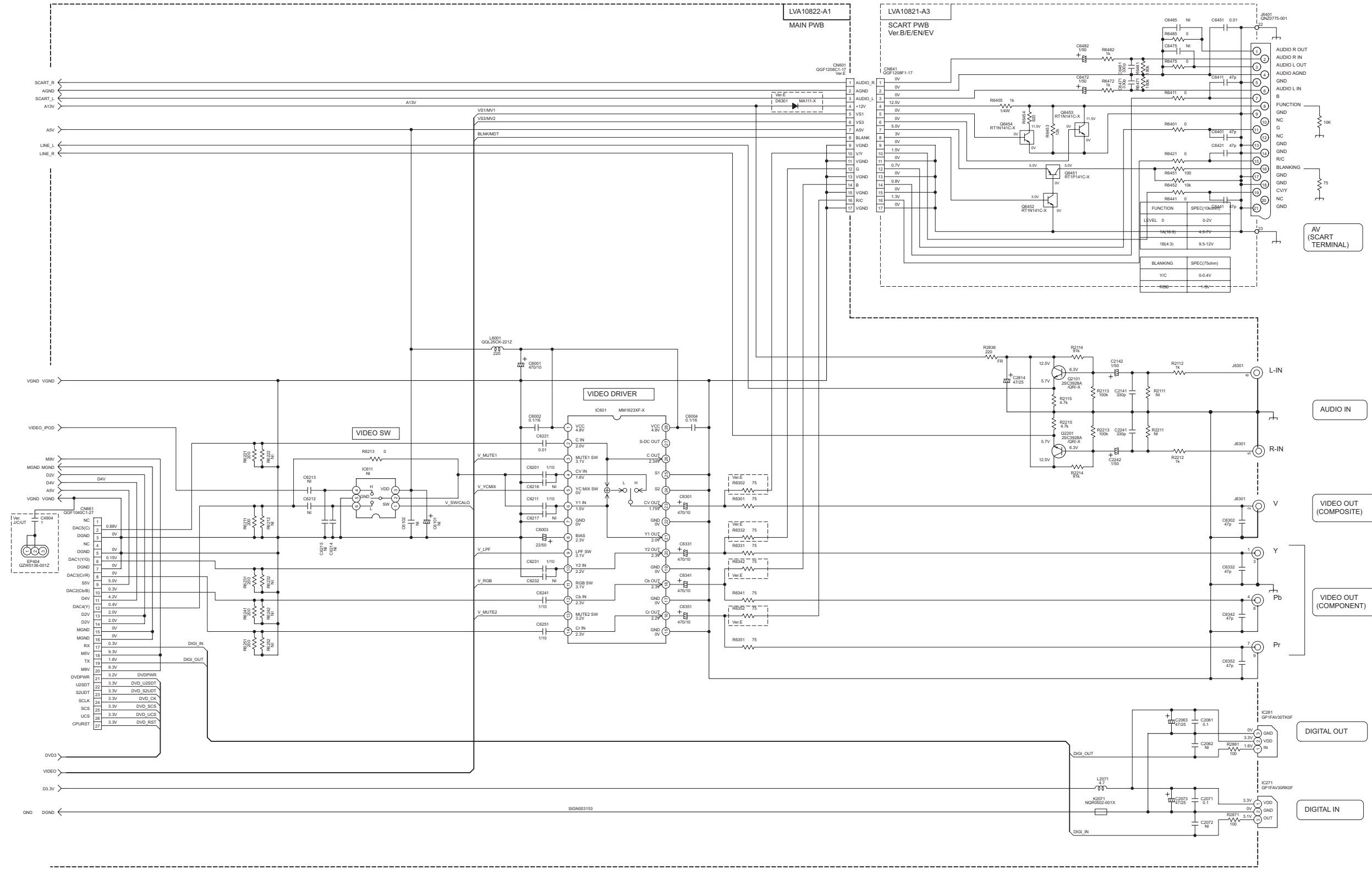
MODEL	F7	F3F4B
S5203	K2	SURROUND

MODEL	F7	F3F4B
RS208	62k	NI

KARAOKE	KARAOKE	NO KARAOKE
RS216	39k	NI

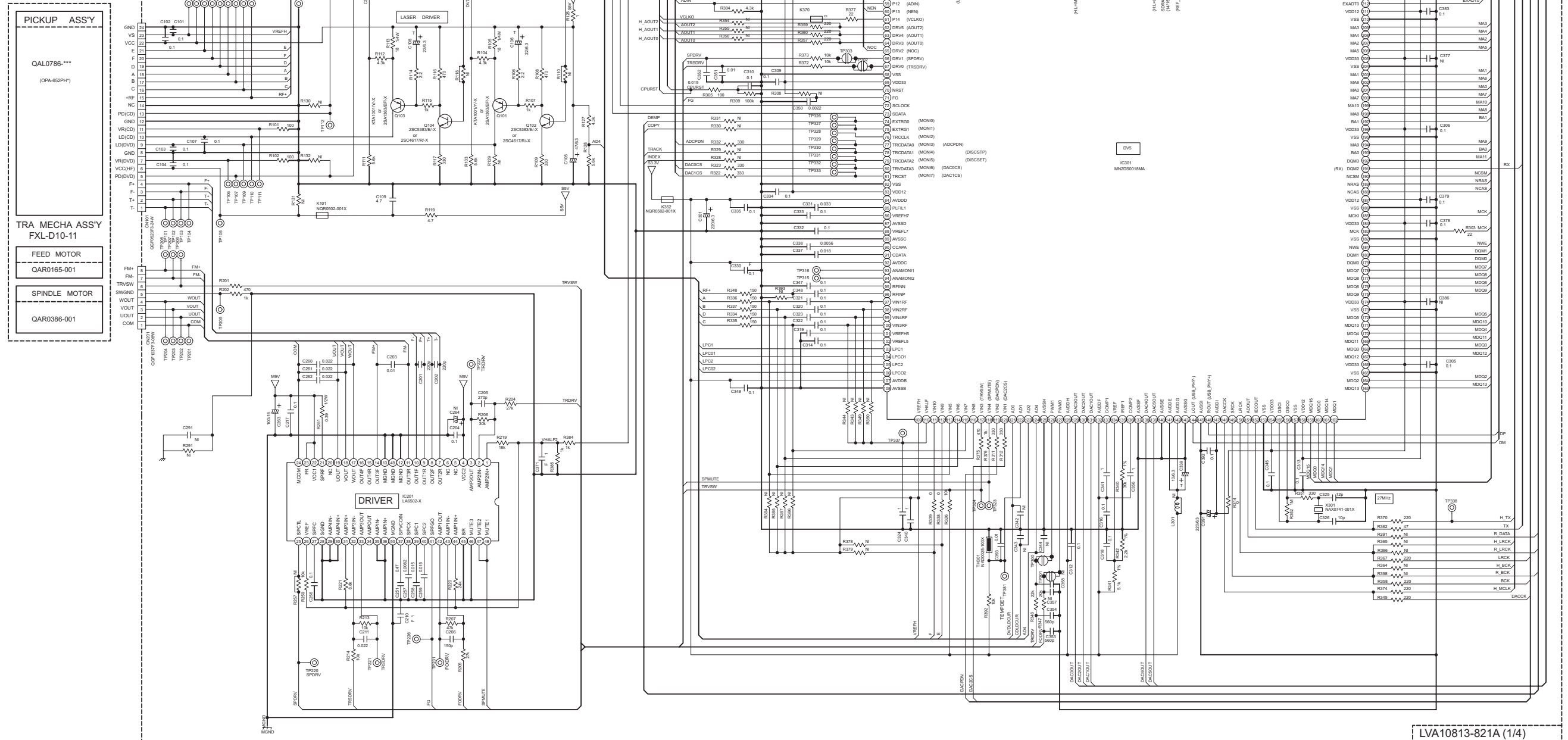
KARAOKE US/UT/UX/UW/EE/UG/UA  
NO KARAOKE A/UB/UF/UJ

# Video section



NOTES:  
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.  
 CONDITION: POWER-ON, SOURCE: DVD/CD/DVD STOP.  
 2. UNLESS OTHERWISE SPECIFIED:  
 ALL RESISTANCE VALUES ARE IN OHMS. 1/16W, 5%.  
 ALL INDUCTANCE VALUES ARE IN H. u IS uH.  
 ALL CAPACITANCE VALUES ARE IN F. p IS pF.  
 3. "N" MARKING PART IS NOT USED.

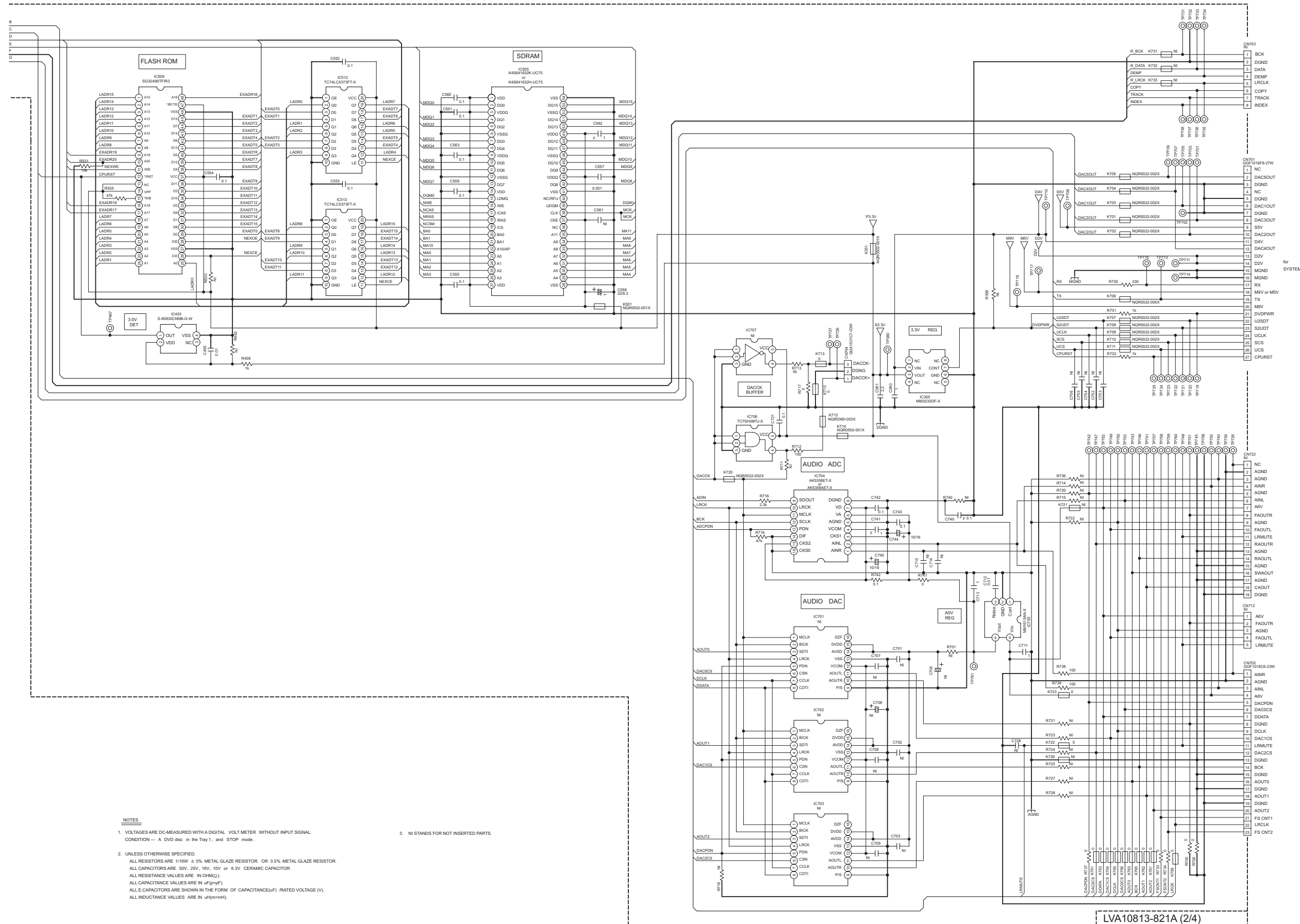
■ Front end 1 section



NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION -- A DVD disc in the Tray 1, and STOP mode.
- UNLESS OTHERWISE SPECIFIED:  
ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR OR 0.5% METAL GLAZE RESISTOR.  
ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR.  
ALL RESISTANCE VALUES ARE IN OHM(Ω).  
ALL CAPACITANCE VALUES ARE IN uF(μF).  
ALL CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) RATED VOLTAGE (V).  
ALL INDUCTANCE VALUES ARE IN uH(μH).
- NI STANDS FOR NOT INSERTED PARTS.

■ Front end 2 section

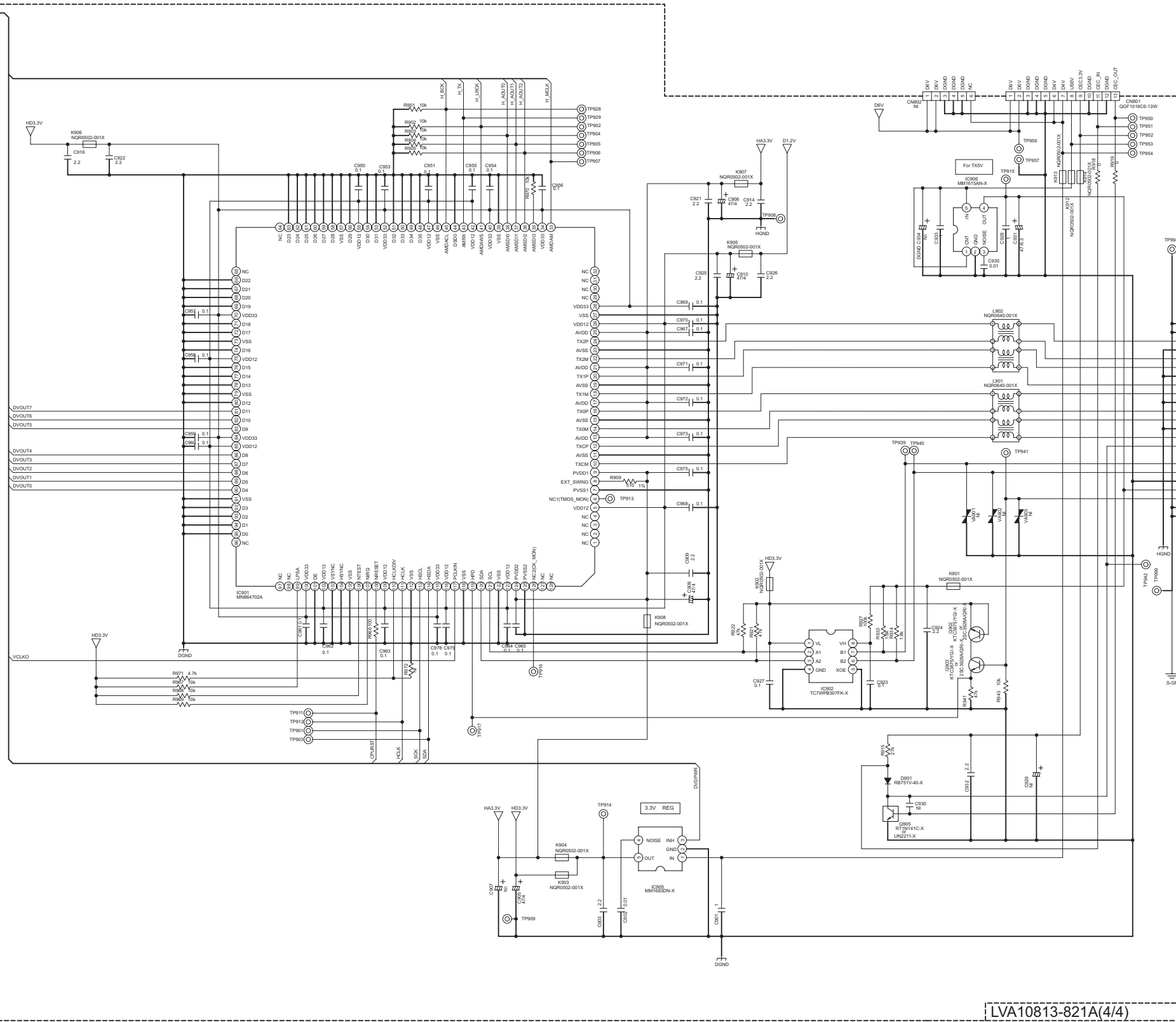


**NOTES**

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION — A DVD disc in the Tray1, and STOP mode.
- UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR. OR 0.5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V, 25V, 18V, 10V or 6.3V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITANCE VALUES ARE IN uF(µF). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF) / RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN uH(µH).
- NI STANDS FOR NOT INSERTED PARTS.

LVA10813-821A (2/4)

■ Front end 3 section

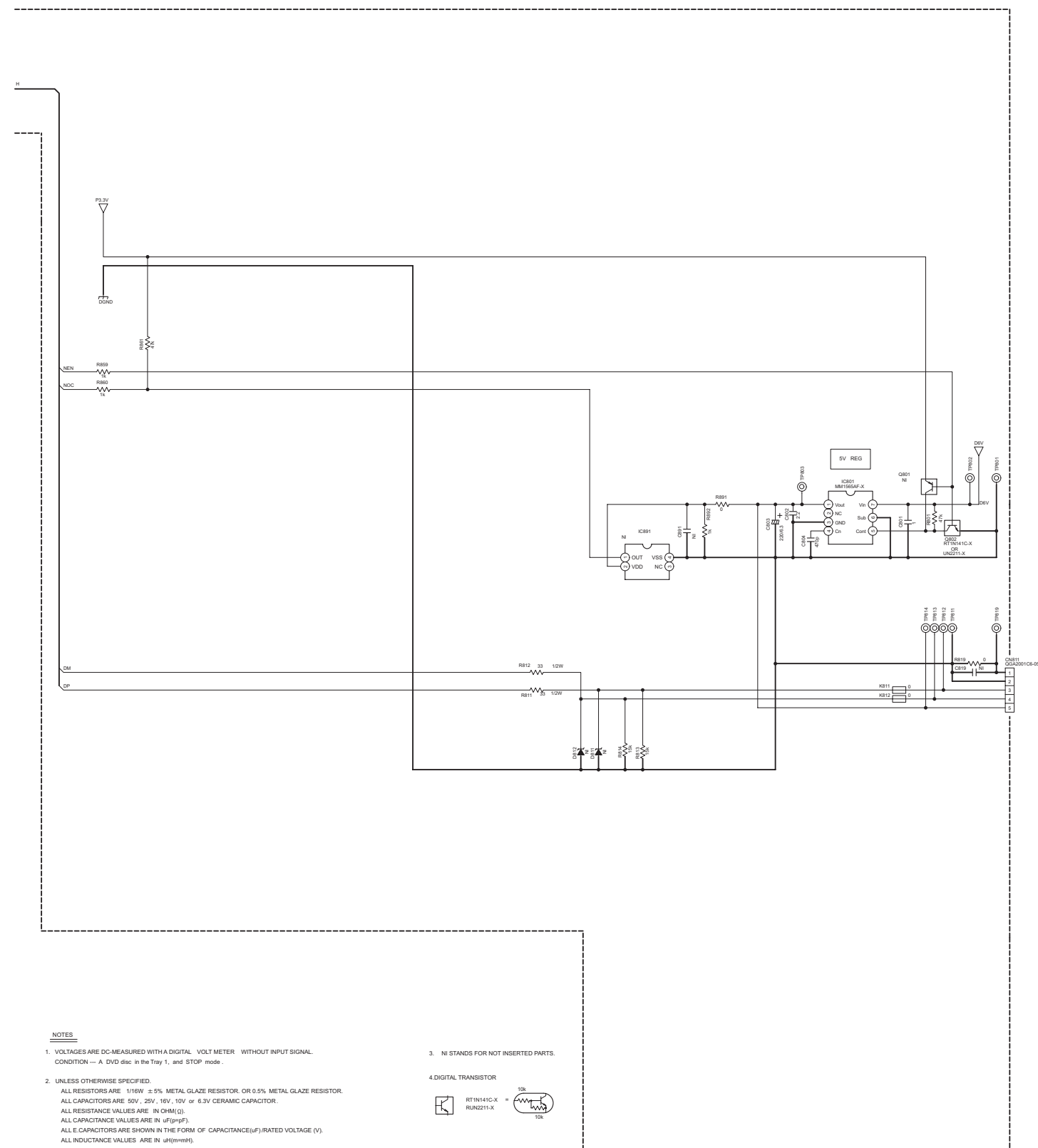


LVA10813-821A(4/4)

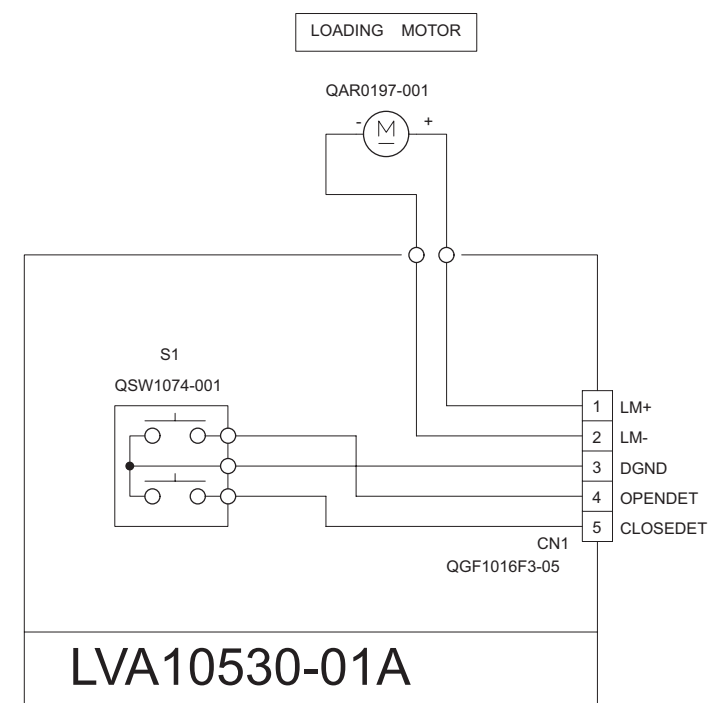
- NOTES**
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL. CONDITION — A DVD disc in the Tray 1, and STOP mode.
  - UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR, OR 0.5% METAL GLAZE RESISTOR. ALL CAPACITORS ARE 50V, 25V, 16V, 10V or 6.3V CERAMIC CAPACITOR. ALL RESISTANCE VALUES ARE IN OHMS (Ω). ALL CAPACITANCE VALUES ARE IN pF (pF). ALL CAPACITANCE VALUES ARE SHOWN IN THE FORM OF CAPACITANCE (pF)/RATED VOLTAGE (V). ALL INDUCTANCE VALUES ARE IN μH (μH).
  - NI STANDS FOR NOT INSERTED PARTS.
  - DIGITAL TRANSISTOR



## ■ Front end 4 section



## ■ Loader section



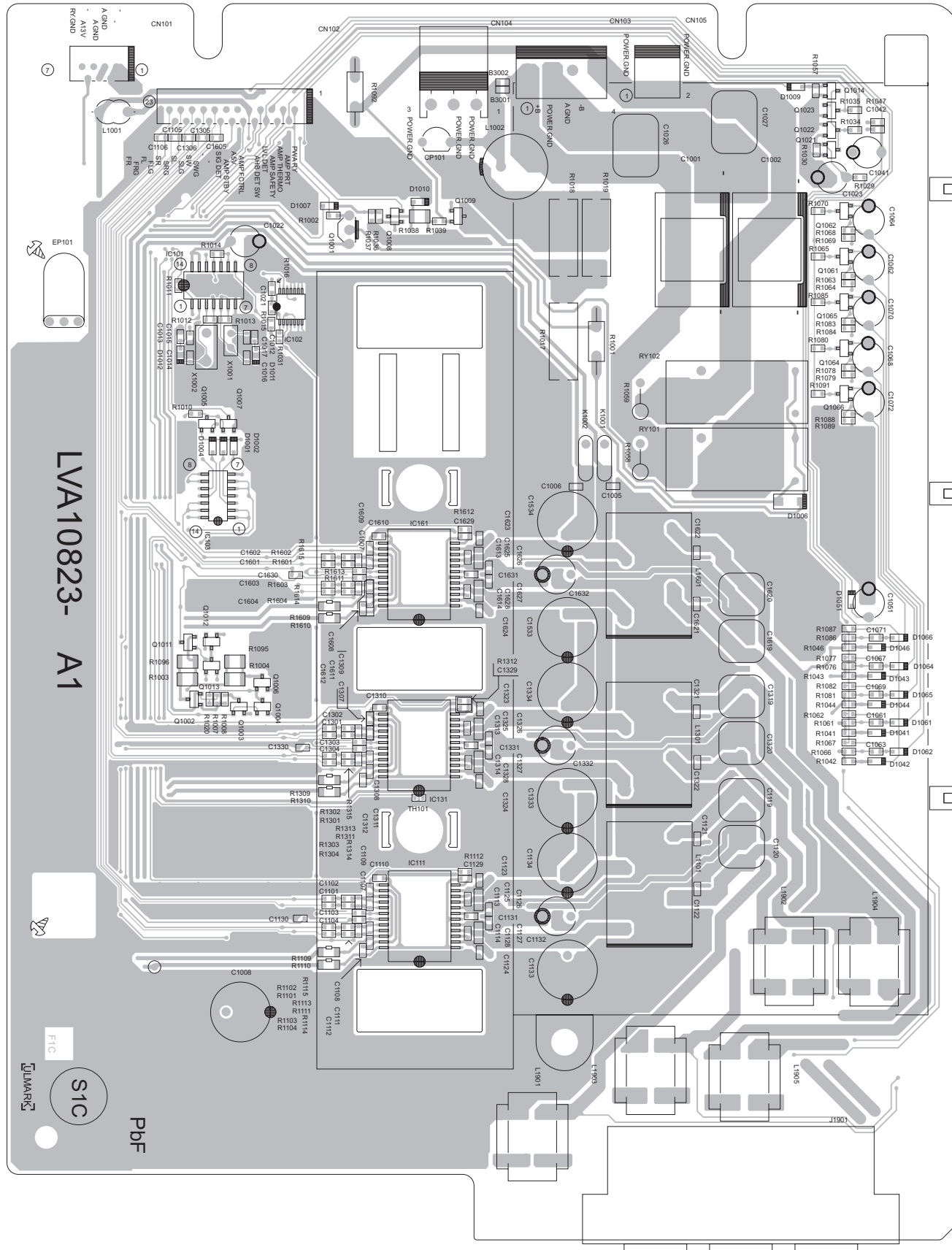




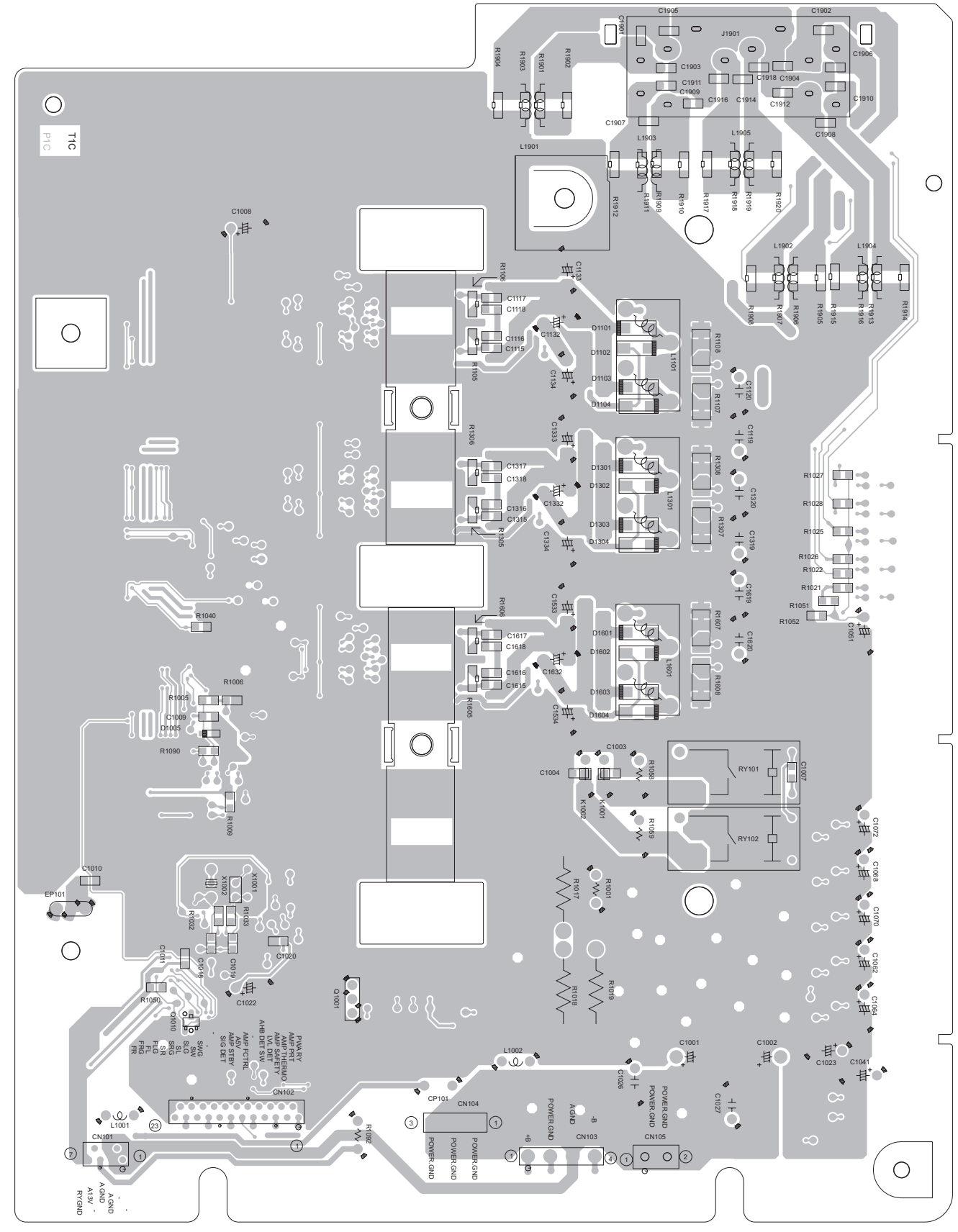
■ Amp board Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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

forward side



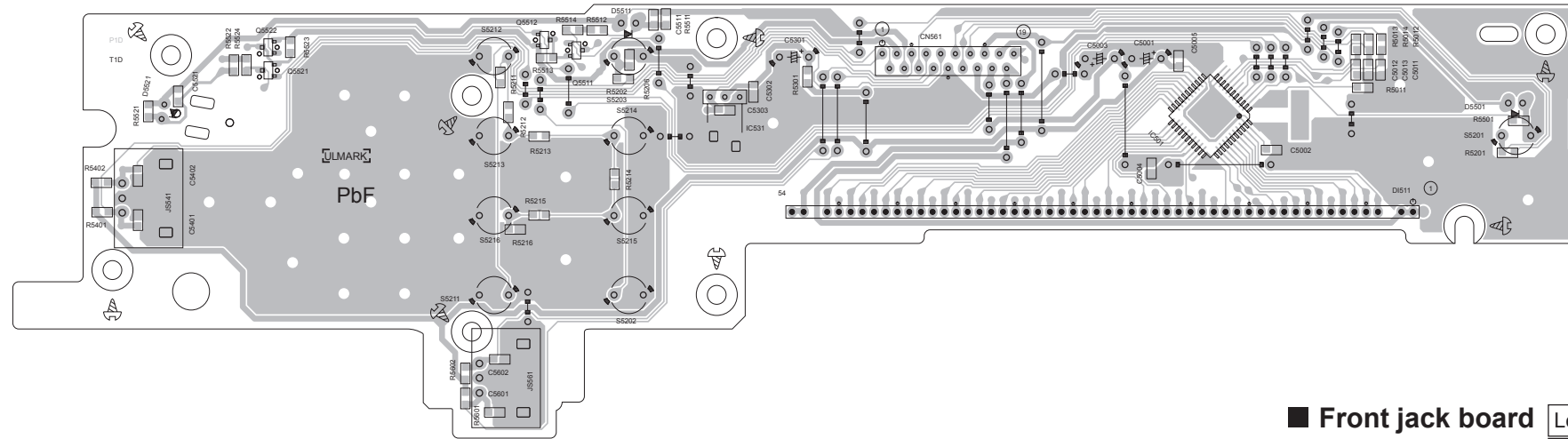
reverse side





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

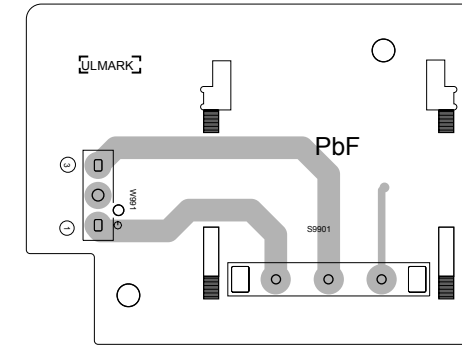
Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade)



■ **Voltage select board**

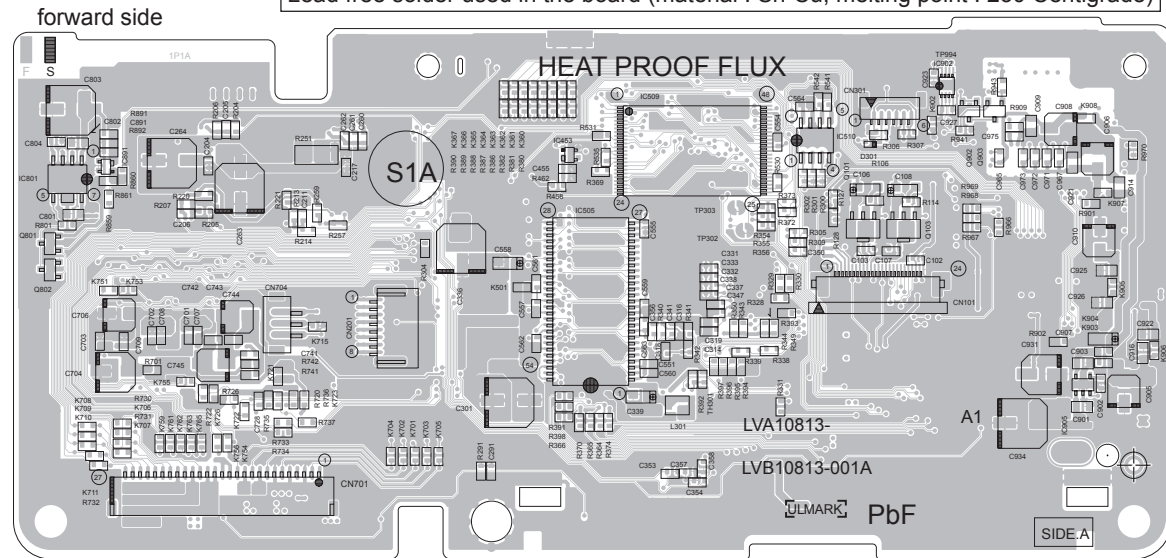
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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



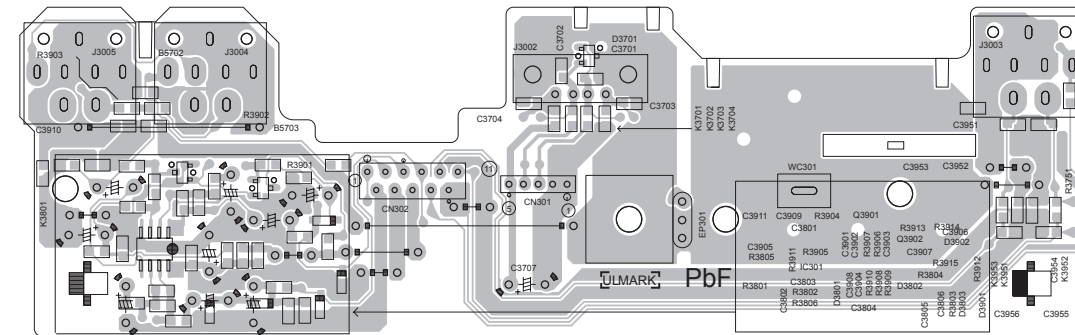
■ **Front end board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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



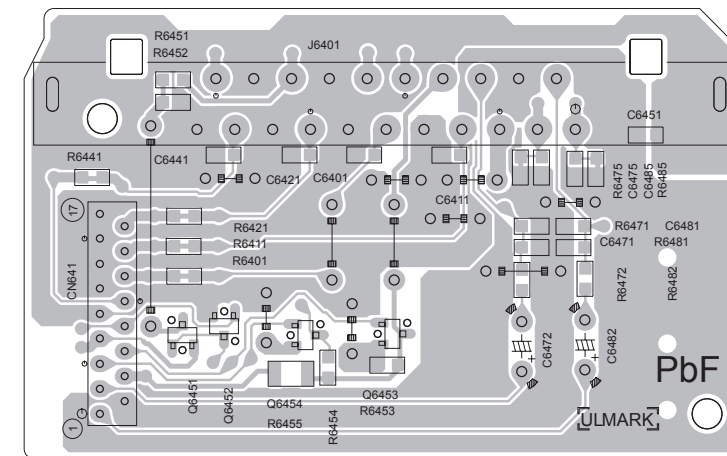
■ **Front jack board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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

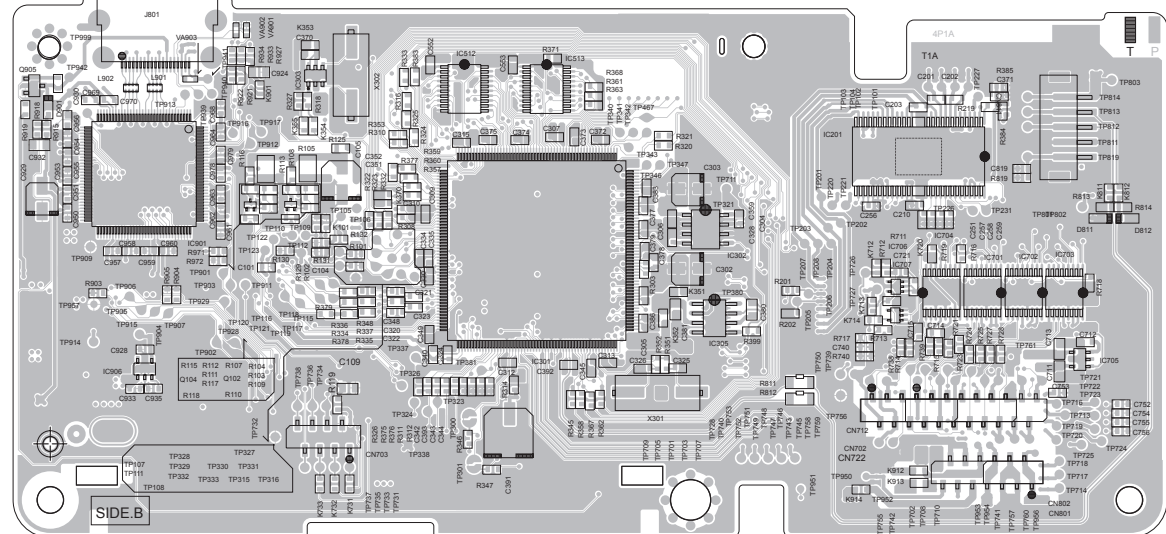


■ **SCART board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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

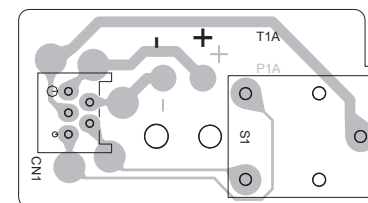


reverse side



■ **Loader 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)



< MEMO >



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