

DAEWOO

Service Manual

MINI COMPONENT SYSTEM

Model : DV-115

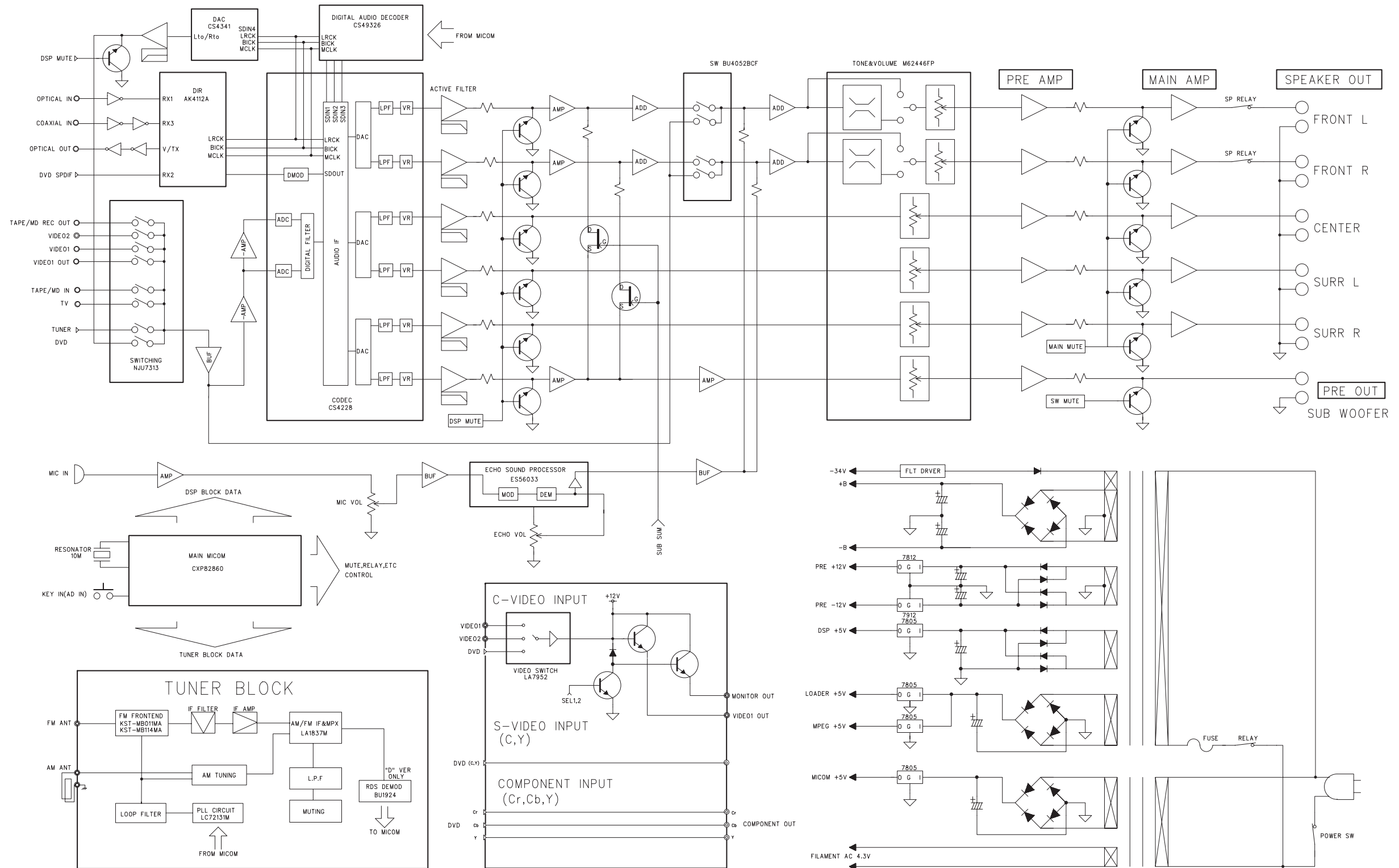


DAEWOO ELECTRONICS CO., LTD.

9. Schmatic Diagram

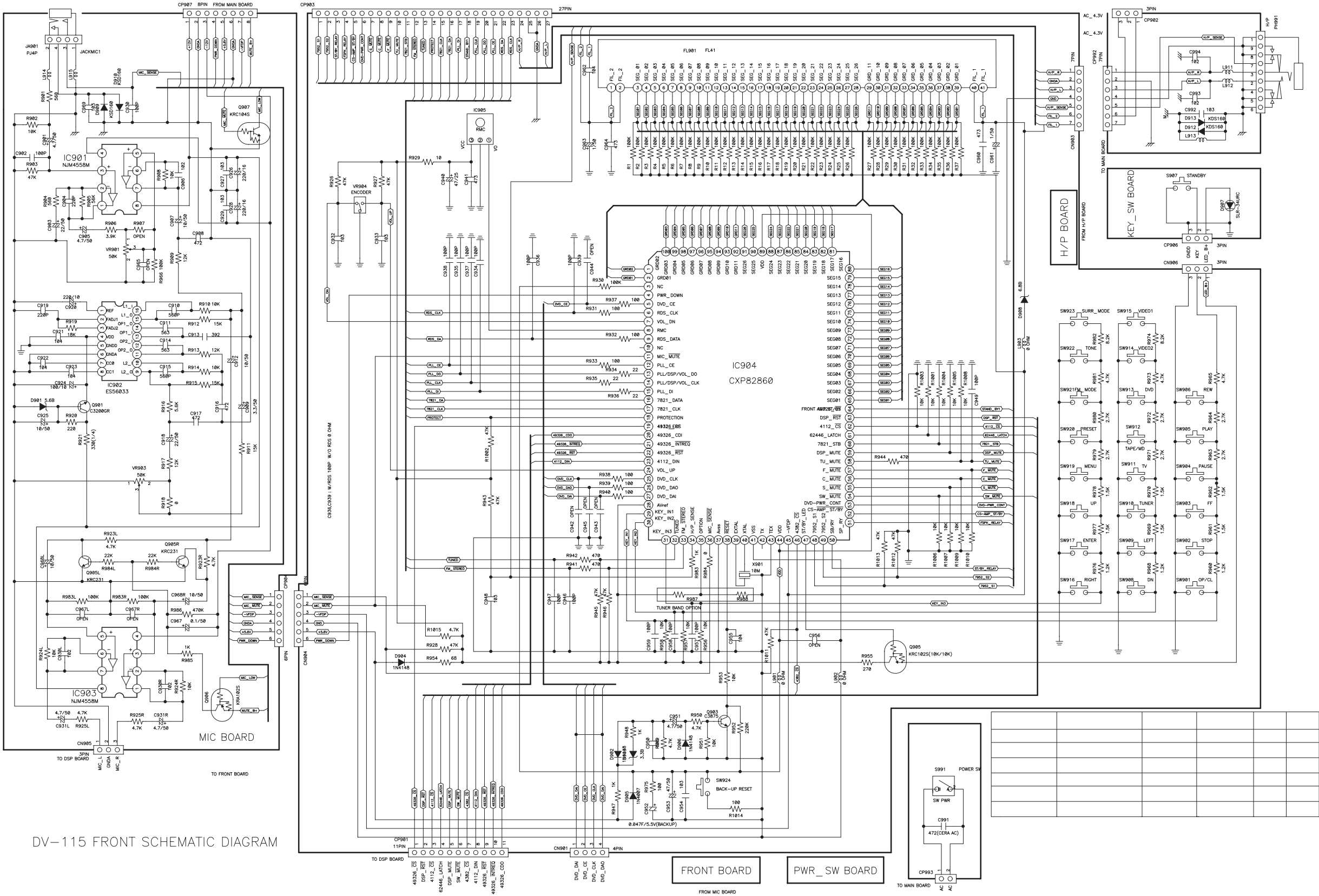
Model : DV-115

-. BLOCK Diagram



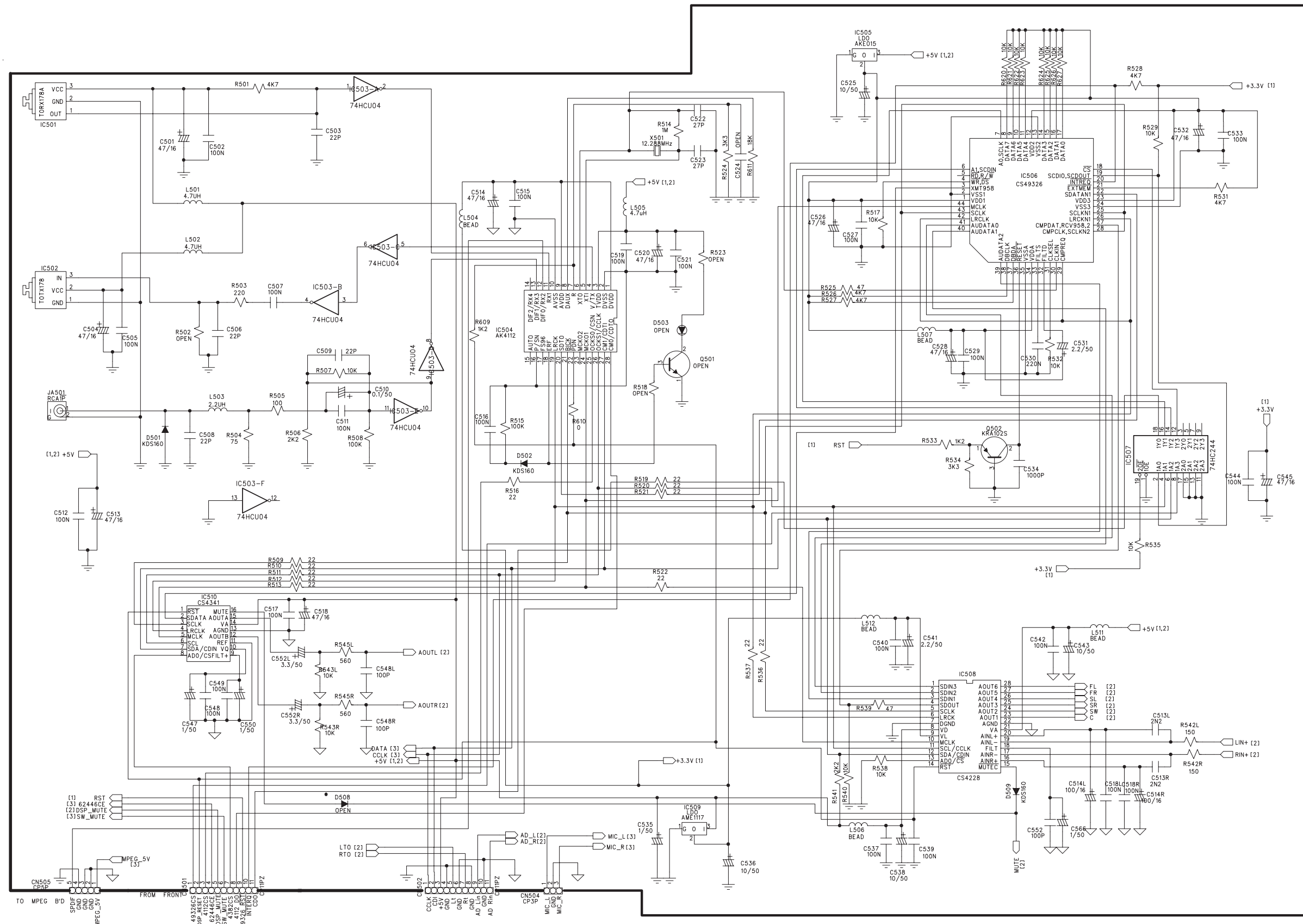
9. Schematic Diagram

1) DV-115 Front Schematic Diagram - . FRONT



Model : DV-115
-. DSP-1

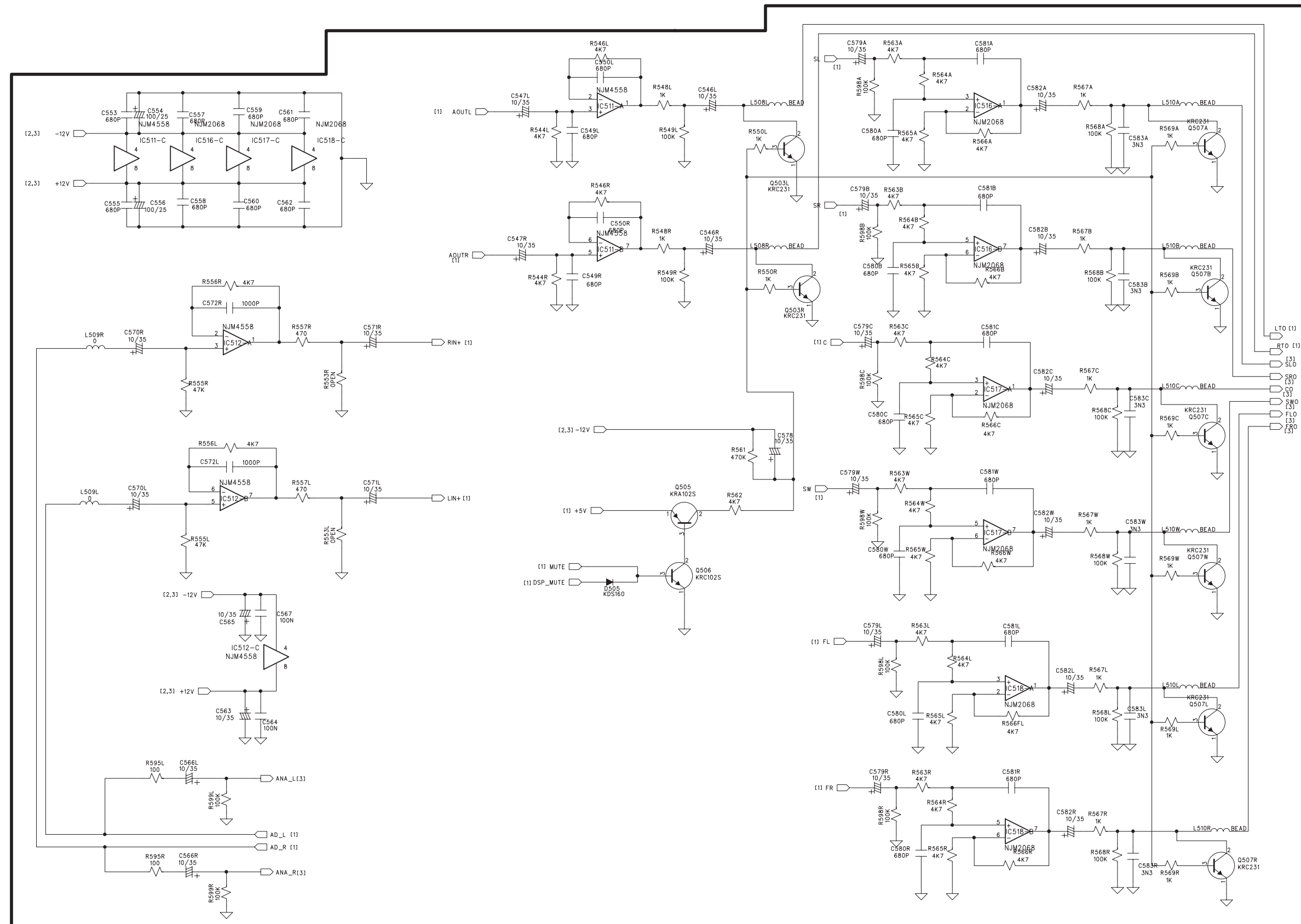
-. DSP-1



9. Schematic Diagram

Model : DV-115

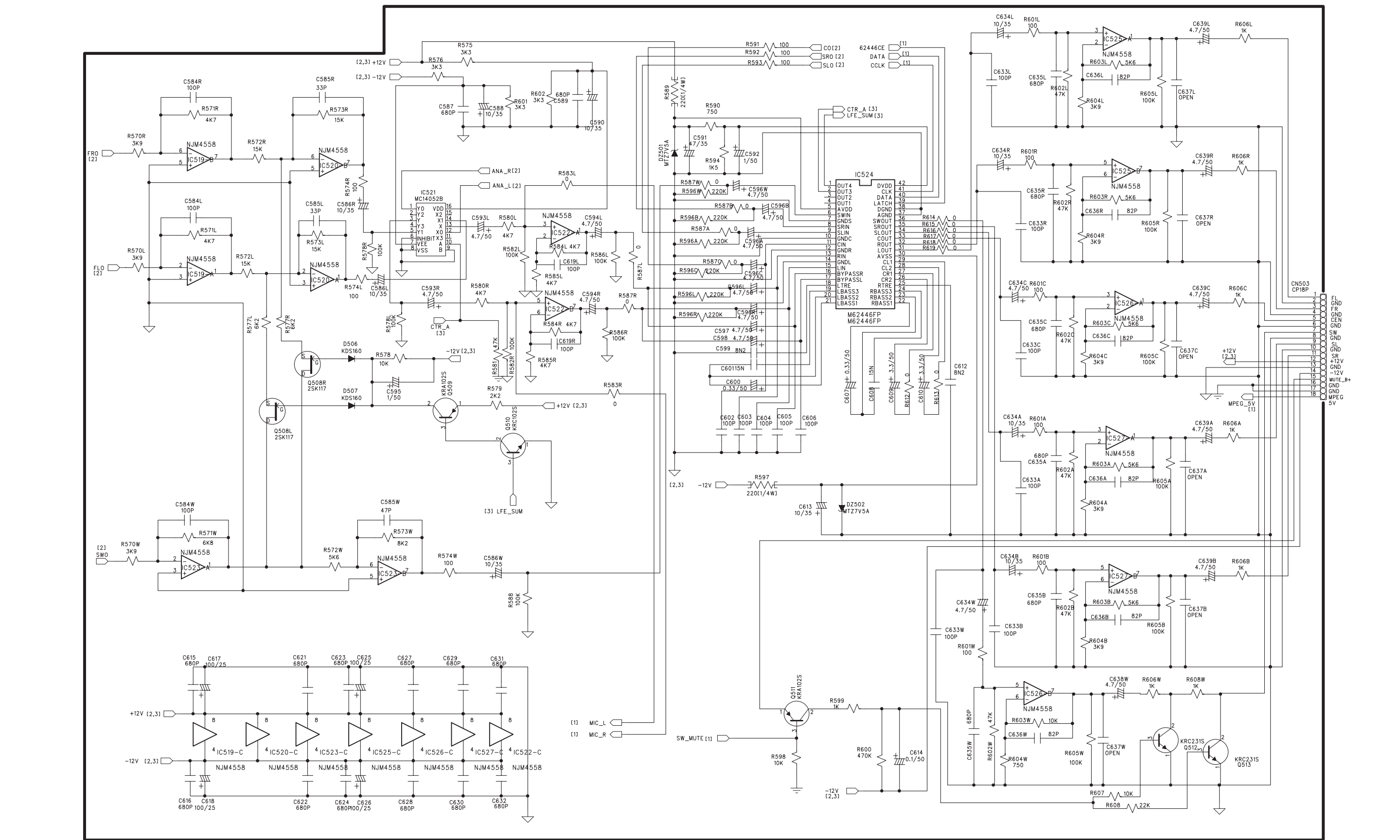
-. DSP-2



9. Schematic Diagram

Model : DV-115

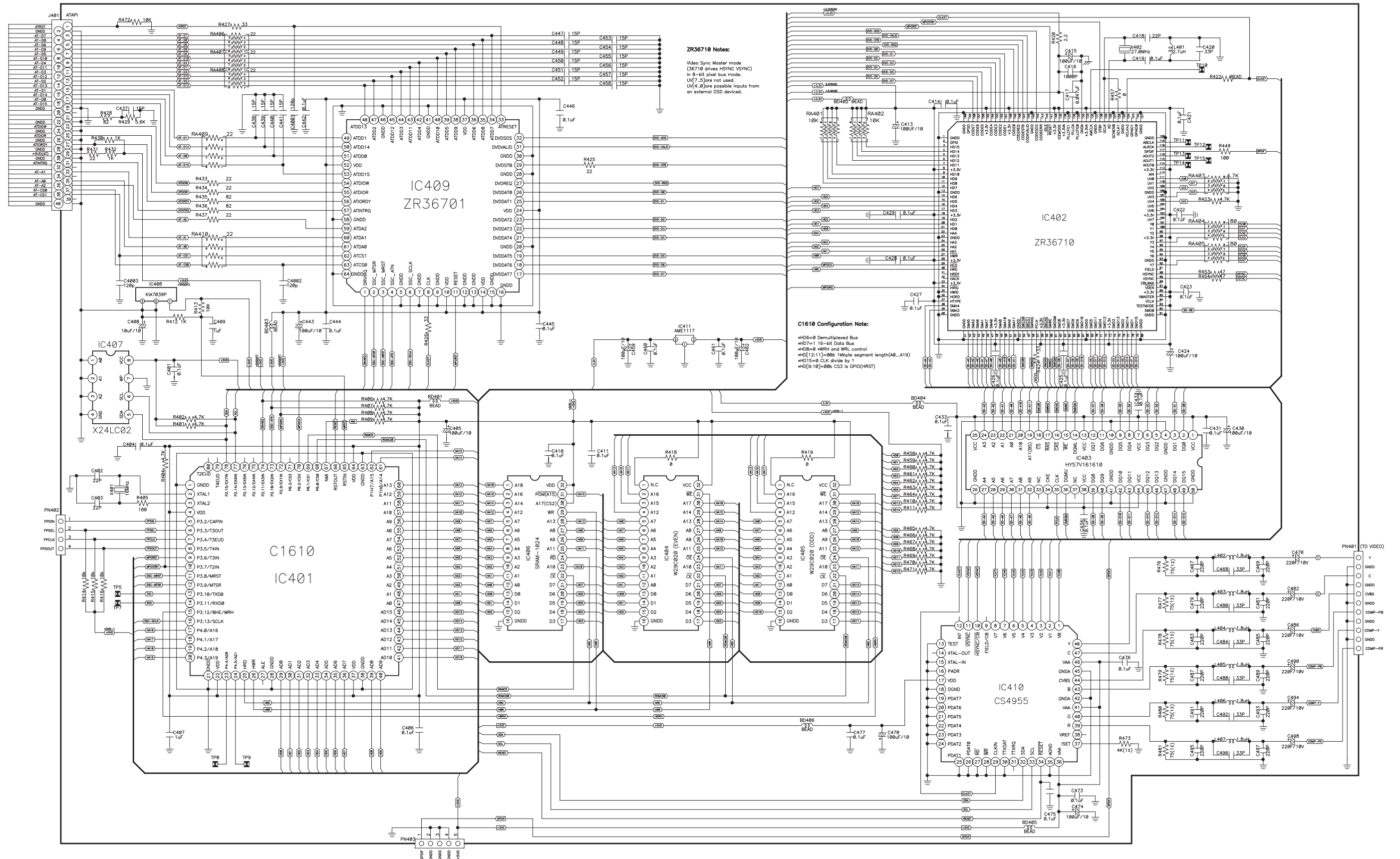
-. DSP-3



9. Schematic Diagram

Model : DV-115

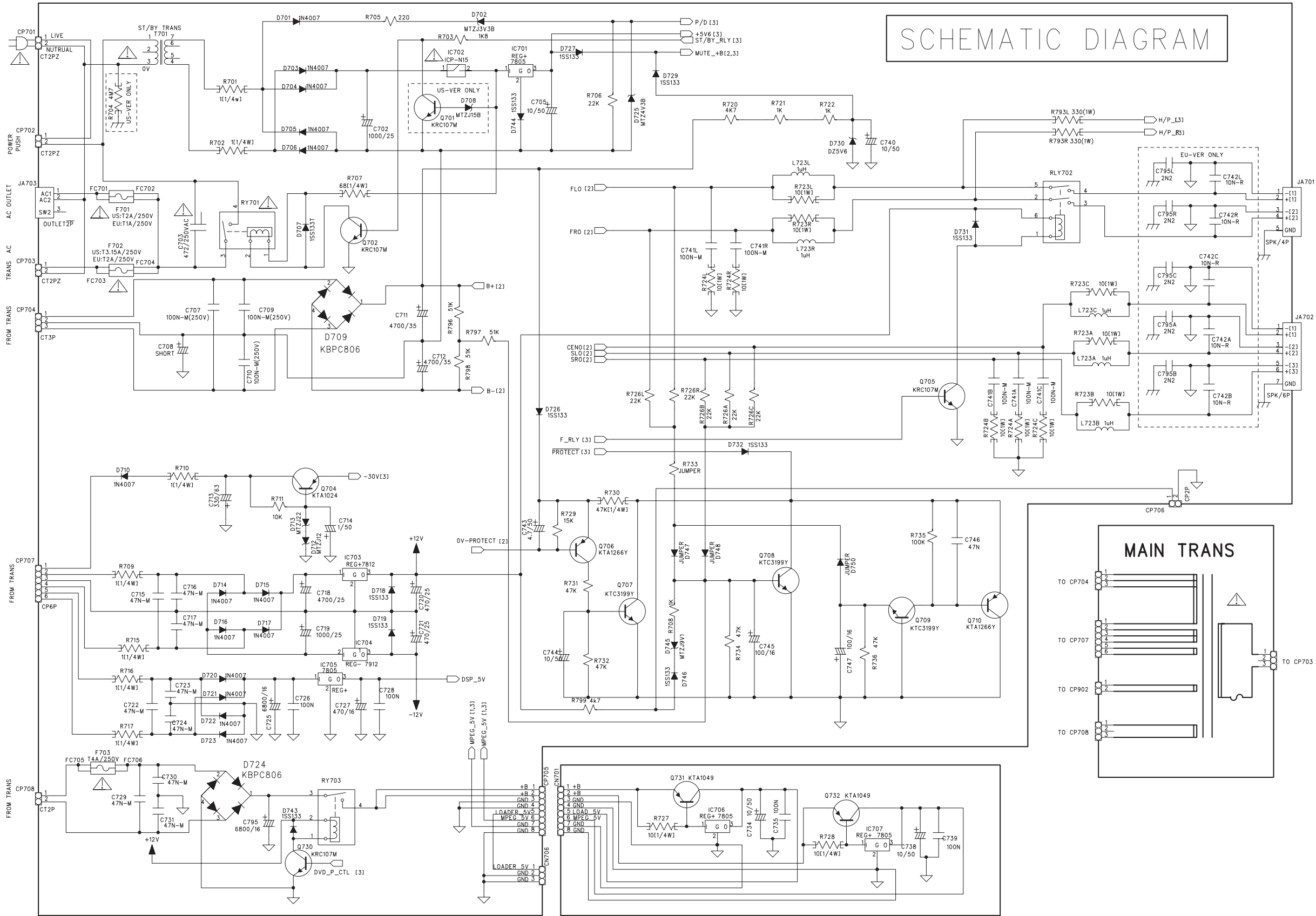
-. MPEG



9. Schematic Diagram

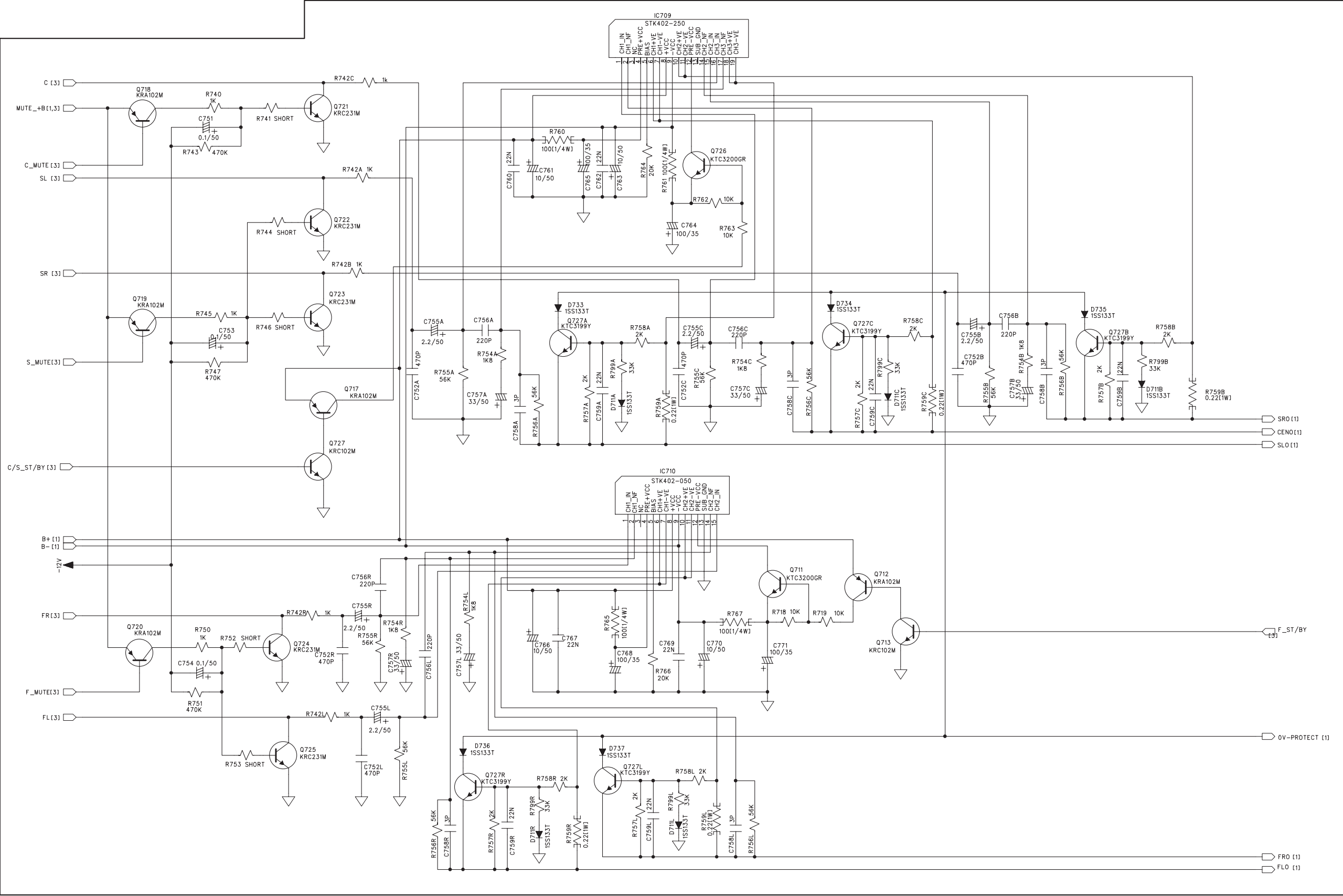
- Main Schematic Diagram

1) Power Schematic Diagram



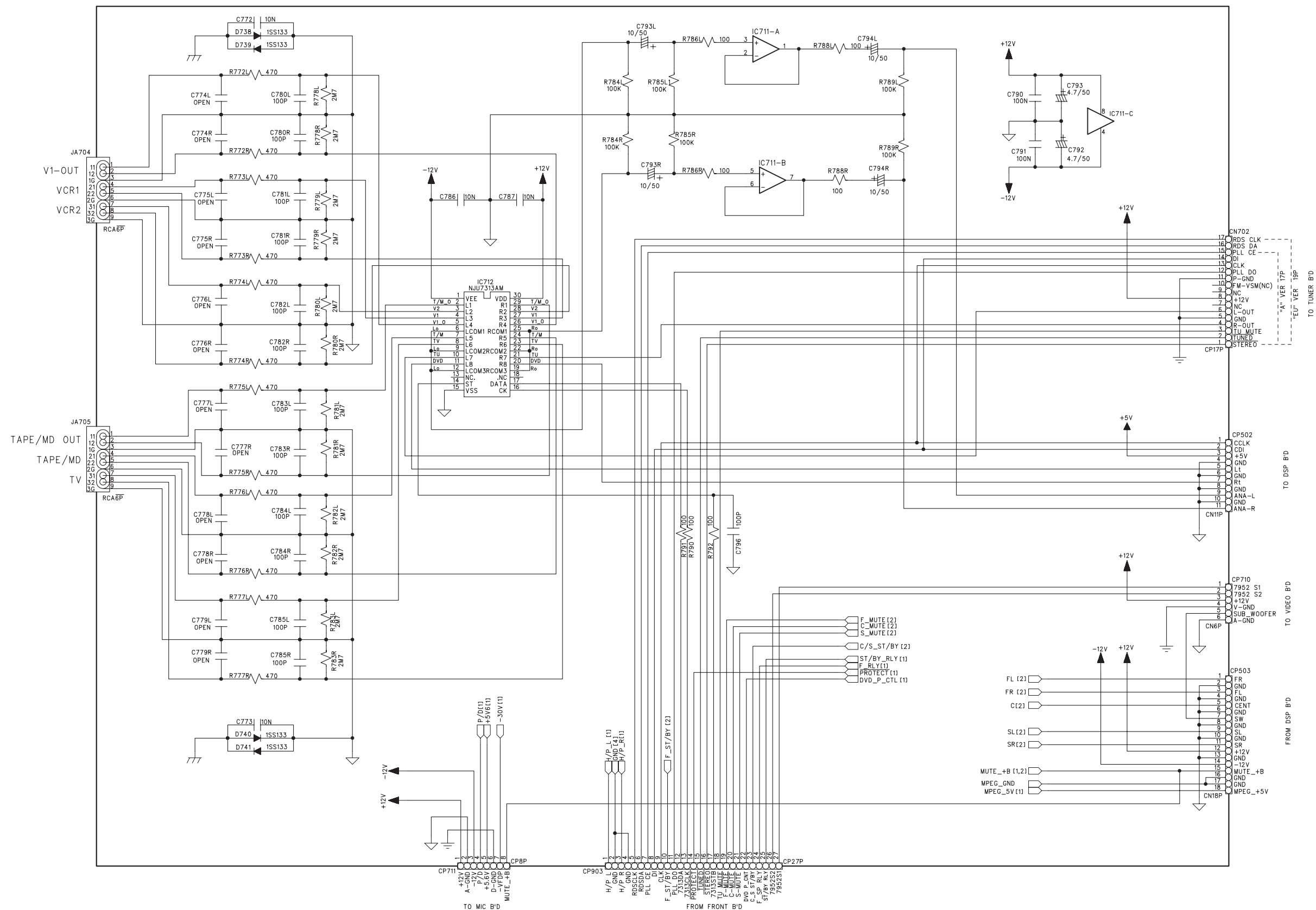
9. Schematic Diagram

- Main Schematic Diagram
2) Amp Schematic Diagram



9. Schematic Diagram

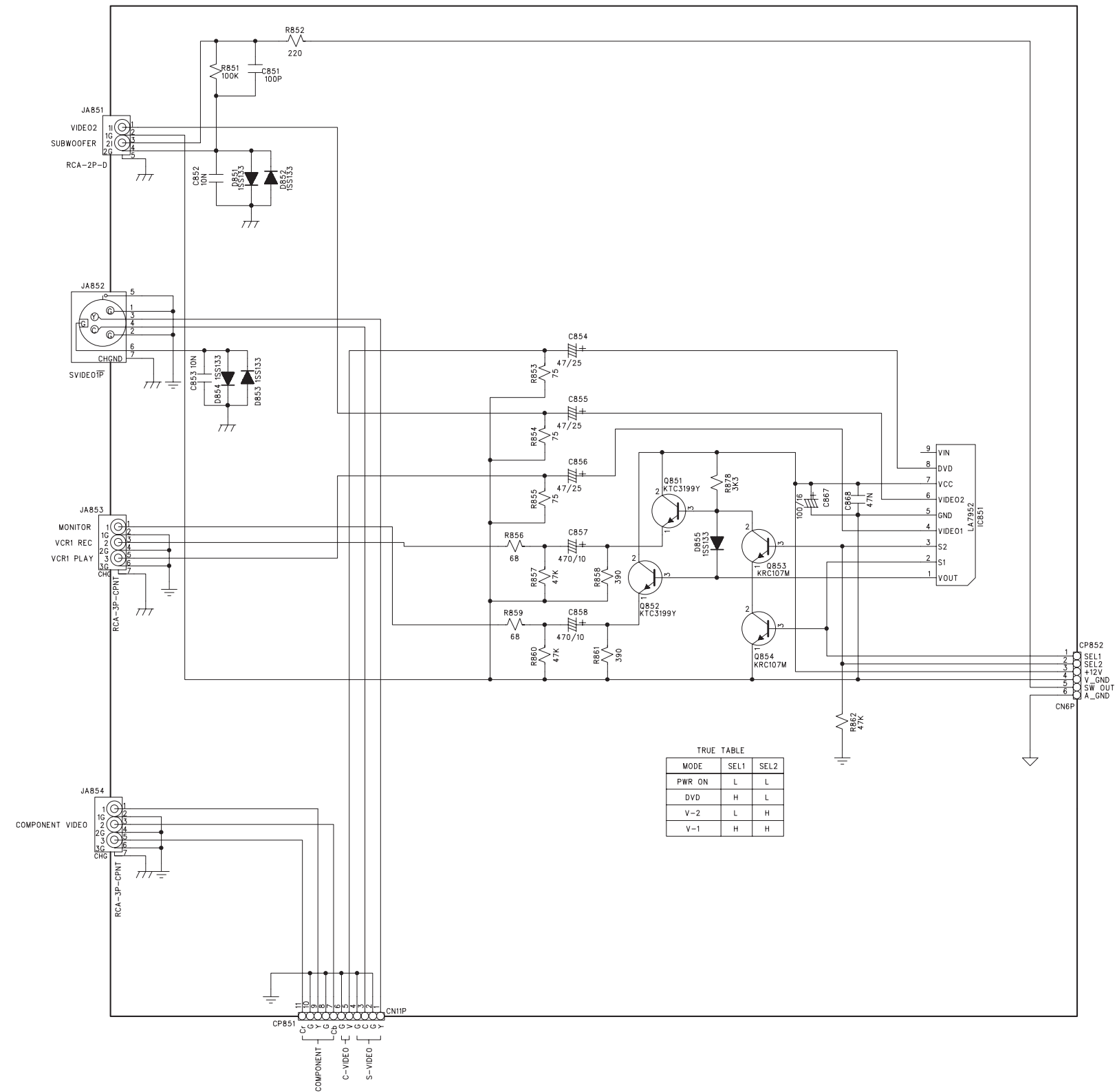
- Main Schematic Diagram
- 3) Input Schematic Diagram



9. Schematic Diagram

-. Main Schmatic Diagram

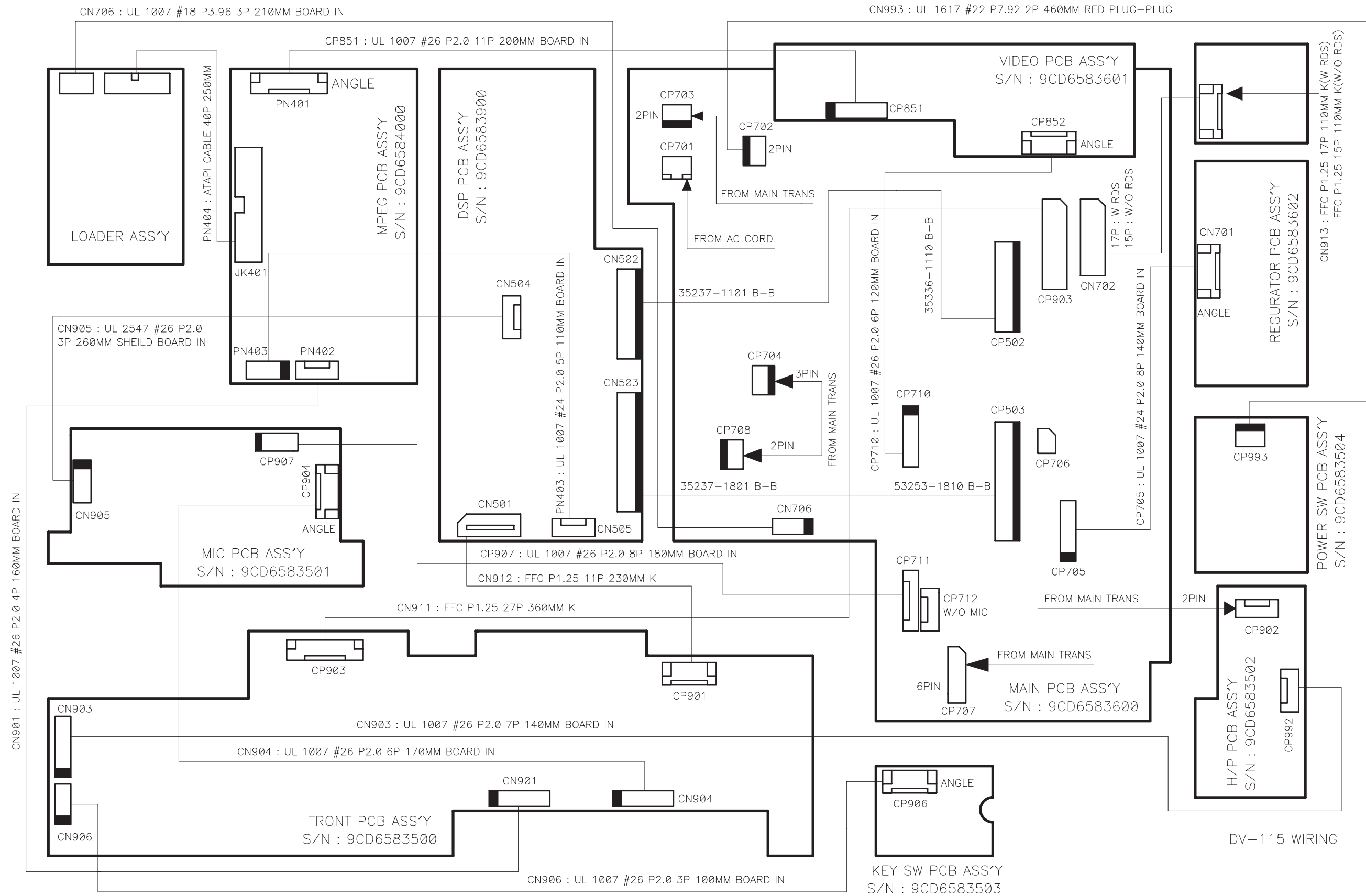
4) Video Schematic Diagram



9. Schematic Diagram

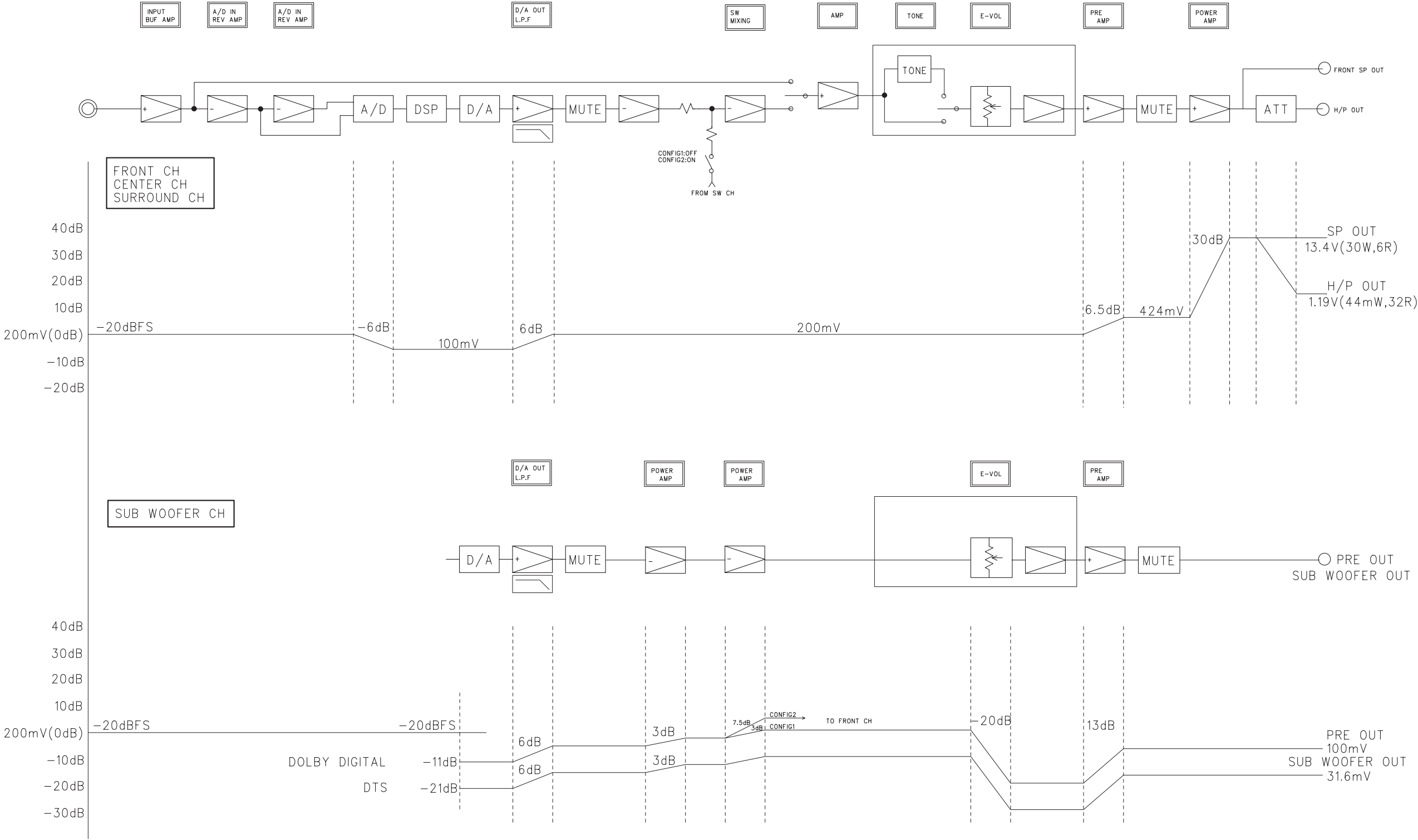
-. WIRING Diagram

1) DV-115 WIRING Diagram



9. Schematic Diagram

Model : DV-115
 -. LEVEL Diagram



13. Electrical Parts List

Model : DV-115

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
1	CORD AC	AC901	9736908600	KE-25 H03VVH2-F 1820MM		50	C ELECTRO	C552L/R	CEXF1H339E	50V RM 3.3MF (5X11) TP	
2	CONN FFC	CN913	9728809200	FFC 1.25X17X110MM K		51	C CHIP CERA	C553	HCQK681JBA	50V CH 680PF J 1608	
3	TUNER MODULE	TU001	9737650201	KST-MB114MA1-0(RDS)		52	C ELECTRO	C554	CEXF1E101E	25V RM 100MF (6.3X11) TP	
1	PCB DSP AS	13000	9CDC059000	DV-115		53	C CHIP CERA	C555	HCQK681JBA	50V CH 680PF J 1608	
2	PCB DSP	B001	9CD6583900	170X260		54	C ELECTRO	C556	CEXF1E101E	25V RM 100MF (6.3X11) TP	
3	C ELECTRO	C501	CEXF1E470E	25V RM 47MF (5X11)		55	C CHIP CERA	C557~562	HCQK681JBA	50V CH 680PF J 1608	
4	C CHIP CERA	C502	HCBK104KBA	50V X7R 0.1MF K 1608		56	C ELECTRO	C563	CEXF1H100E	50V RM 10MF (5X11) TP	
5	C CHIP CERA	C503	HCQK220JBA	50V CH 22PF J 1608		57	C CHIP CERA	C564	HCBK104KBA	50V X7R 0.1MF K 1608	
6	C ELECTRO	C504	CEXF1E470E	25V RM 47MF (5X11)		58	C ELECTRO	C565~566L/R	CEXF1H100E	50V RM 10MF (5X11) TP	
7	C CHIP CERA	C505	HCBK104KBA	50V X7R 0.1MF K 1608		59	C ELECTRO	C566	CEXF1H109E	50V RM 1MF (5X11) TP	
8	C CHIP CERA	C506	HCQK220JBA	50V CH 22PF J 1608		60	C CHIP CERA	C567	HCBK104KBA	50V X7R 0.1MF K 1608	
9	C CHIP CERA	C507	HCBK104KBA	50V X7R 0.1MF K 1608		61	C ELECTRO	C570L/R~571L/R	CEXF1H100E	50V RM 10MF (5X11) TP	
10	C CHIP CERA	C508~509	HCQK220JBA	50V CH 22PF J 1608		62	C CHIP CERA	C572L/R	HCBK102KBA	50V X7R 1000PF K 1608	
11	C ELECTRO	C510	CEXF1H108E	50V RM 0.1MF (5X11) TP		63	C ELECTRO	C578	CEXF1H100E	50V RM 10MF (5X11) TP	
12	C CHIP CERA	C511~512	HCBK104KBA	50V X7R 0.1MF K 1608		64	C ELECTRO	C579A/B/C/L/R/W	CEXF1H100E	50V RM 10MF (5X11) TP	
13	C ELECTRO	C513~514	CEXF1E470E	25V RM 47MF (5X11)		65	C CHIP CERA	C580A/B/C/L/R/W	HCQK681JBA	50V CH 680PF J 1608	
14	C CHIP CERA	C513L/R	HCQK222JBA	50V CH 2200PF J 1608		66	C CHIP CERA	C581A/B/C/L/R/W	HCQK681JBA	50V CH 680PF J 1608	
15	C ELECTRO	C514L/R	CEXF1E101E	25V RM 100MF (6.3X11) TP		67	C ELECTRO	C582A/B/C/L/R/W	CEXF1H100E	50V RM 10MF (5X11) TP	
16	C CHIP CERA	C515~517	HCBK104KBA	50V X7R 0.1MF K 1608		68	C CHIP CERA	C583A/B/C/L/R/W	HCBK332KBA	50V X7R 3300PF K 1608	
17	C ELECTRO	C518	CEXF1E470E	25V RM 47MF (5X11)		69	C CHIP CERA	C584L/R/W	HCQK101JBA	50V CH 100PF J 1608	
18	C CHIP CERA	C518L/R	HCBK104KBA	50V X7R 0.1MF K 1608		70	C CHIP CERA	C585L/R	HCQK330JBA	50V CH 33PF J 1608	
19	C CHIP CERA	C519	HCBK104KBA	50V X7R 0.1MF K 1608		71	C CHIP CERA	C585W	HCQK470JBA	50V CH 47PF J 1608	
20	C ELECTRO	C520	CEXF1E470E	25V RM 47MF (5X11)		72	C ELECTRO	C586L/R/W	CEXF1H100E	50V RM 10MF (5X11) TP	
21	C CHIP CERA	C521	HCBK104KBA	50V X7R 0.1MF K 1608		73	C CHIP CERA	C587	HCQK681JBA	50V CH 680PF J 1608	
22	C CHIP CERA	C522~523	HCQK270JBA	50V CH 27PF J 1608		74	C ELECTRO	C588	CEXF1H100E	50V RM 10MF (5X11) TP	
23	C ELECTRO	C525	CEXF1H100E	50V RM 10MF (5X11) TP		75	C CHIP CERA	C589	HCQK681JBA	50V CH 680PF J 1608	
24	C ELECTRO	C526	CEXF1E470E	25V RM 47MF (5X11)		76	C ELECTRO	C590	CEXF1H100E	50V RM 10MF (5X11) TP	
25	C CHIP CERA	C527	HCBK104KBA	50V X7R 0.1MF K 1608		77	C ELECTRO	C591	CEXF1V470E	35V RM 47MF (5X11) TP	
26	C ELECTRO	C528	CEXF1E470E	25V RM 47MF (5X11)		78	C ELECTRO	C592	CEXF1H109E	50V RM 1MF (5X11) TP	
27	C CHIP CERA	C529	HCBK104KBA	50V X7R 0.1MF K 1608		79	C ELECTRO	C593L/R~594L/R	CEXF1H479E	50V RM 4.7MF (5X11) TP	
28	C CHIP CERA	C530	HCFK224ZCA	50V Y5V 0.22MF Z 2012		80	C ELECTRO	C595	CEXF1H109E	50V RM 1MF (5X11) TP	
29	C ELECTRO	C531	CEXF1H229E	50V RM 2.2MF (5X11) TP		81	C ELECTRO	C596A/B/C/L/R/W	CEXF1H479E	50V RM 4.7MF (5X11) TP	
30	C ELECTRO	C532	CEXF1E470E	25V RM 47MF (5X11)		82	C ELECTRO	C597~598	CEXF1H479E	50V RM 4.7MF (5X11) TP	
31	C CHIP CERA	C533	HCBK104KBA	50V X7R 0.1MF K 1608		83	C CHIP CERA	C599	HCBK822KBA	50V X7R 8200PF K 1608	
32	C CHIP CERA	C534	HCBK102KBA	50V X7R 1000PF K 1608		84	C ELECTRO	C600	CEXF1H338E	5V RM 0.33MF (5X11) TP	
33	C ELECTRO	C535	CEXF1H109E	50V RM 1MF (5X11) TP		85	C CHIP CERA	C601	HCBK153KBA	50V X7R 0.015MF K 1608	
34	C ELECTRO	C536	CEXF1H100E	50V RM 10MF (5X11) TP		86	C CHIP CERA	C602~606	HCQK101JBA	50V CH 100PF J 1608	
35	C CHIP CERA	C537	HCBK104KBA	50V X7R 0.1MF K 1608		87	C ELECTRO	C607	CEXF1H338E	5V RM 0.33MF (5X11) TP	
36	C ELECTRO	C538	CEXF1H100E	50V RM 10MF (5X11) TP		88	C CHIP CERA	C608	HCBK153KBA	50V X7R 0.015MF K 1608	
37	C CHIP CERA	C539~540	HCBK104KBA	50V X7R 0.1MF K 1608		89	C ELECTRO	C609~610	CEXF1H339E	50V RM 3.3MF (5X11) TP	
38	C ELECTRO	C541	CEXF1H229V	50V RSS 2.2MF (5X11) TP		90	C CHIP CERA	C612	HCBK822KBA	50V X7R 8200PF K 1608	
39	C CHIP CERA	C542	HCBK104KBA	50V X7R 0.1MF K 1608		91	C ELECTRO	C613	CEXF1H100E	50V RM 10MF (5X11) TP	
40	C ELECTRO	C543	CEXF1H100E	50V RM 10MF (5X11) TP		92	C ELECTRO	C614	CEXF1H108E	50V RM 0.1MF (5X11) TP	
41	C CHIP CERA	C544	HCBK104KBA	50V X7R 0.1MF K 1608		93	C CHIP CERA	C615~616	HCQK681JBA	50V CH 680PF J 1608	
42	C ELECTRO	C545	CEXF1E470E	25V RM 47MF (5X11)		94	C ELECTRO	C617~618	CEXF1E101E	25V RM 100MF (6.3X11) TP	
43	C ELECTRO	C546L/R~547L/R	CEXF1H100E	50V RM 10MF (5X11) TP		95	C CHIP CERA	C619L/R	HCQK101JBA	50V CH 100PF J 1608	
44	C ELECTRO	C547	CEXF1H109E	50V RM 1MF (5X11) TP		96	C CHIP CERA	C621~624	HCQK681JBA	50V CH 680PF J 1608	
45	C CHIP CERA	C548~549	HCBK104KBA	50V X7R 0.1MF K 1608		97	C ELECTRO	C625~626	CEXF1E101E	25V RM 100MF (6.3X11) TP	
46	C CHIP CERA	C548L/R	HCQK101JBA	50V CH 100PF J 1608		98	C CHIP CERA	C627~632	HCQK681JBA	50V CH 680PF J 1608	
47	C CHIP CERA	C549L/R~550L/R	HCQK681JBA	50V CH 680PF J 1608		99	C CHIP CERA	C633A/B/C/L/R/W	HCQK101JBA	50V CH 100PF J 1608	
48	C ELECTRO	C550	CEXF1H109E	50V RM 1MF (5X11) TP		100	C ELECTRO	C634A/B/L/R	CEXF1H100E	50V RM 10MF (5X11) TP	
49	C CHIP CERA	C552	HCQK101JBA	50V CH 100PF J 1608		101	C ELECTRO	C634C/W	CEXF1H479E	50V RM 4.7MF (5X11) TP	

13. Electrical Parts List

Model : DV-115

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
102	C CHIP CERA	C635A/B/C/L/R/W	HCQK681JBA	50V CH 680PF J 1608		154	R CHIP	R504	HRFT750JBA	1/10 75 OHM J 1608	
103	C CHIP CERA	C636A/B/C/L/R/W	HCQK820JBA	50V CH 82PF J 1608		155	R CHIP	R505	HRFT101JBA	1/10 100 OHM J 1608	
104	C ELECTRO	C638W	CEXF1H479E	50V RM 4.7MF (5X11) TP		156	R CHIP	R506	HRFT222JBA	1/10 2.2K OHM J 1608	
105	C ELECTRO	C639A/B/C/L/R	CEXF1H479E	50V RM 4.7MF (5X11) TP		157	R CHIP	R507	HRFT103JBA	1/10 10K OHM J 1608	
106	CONN WAFER	CN501	9CD6264300	52045-1145		158	R CHIP	R508	HRFT104JBA	1/10 100K OHM J 1608	
107	CONN WAFER	CN502	9728809000	2.0MM 35237-1101 11P		159	R CHIP	R509-513	HRFT220JBA	1/10W 22 OHM J 1608	
108	CONN WAFER	CN503	9728809100	2.0MM 35237-1801 18P		160	R CHIP	R514	HRFT105JBA	1/10 1M OHM J 1608	
109	CONN WAFER	CN504	9728811700	2.0MM PH-3A 3P		161	R CHIP	R515	HRFT104JBA	1/10 100K OHM J 1608	
110	CONN WAFER	CN505	9728810900	2.0MM PH-5A 5P		162	R CHIP	R516	HRFT220JBA	1/10W 22 OHM J 1608	
111	DIODE SW CHIP	D501-502	DZDS160---	KDS160		163	R CHIP	R517	HRFT103JBA	1/10 10K OHM J 1608	
112	DIODE SW CHIP	D505-507	DZDS160---	KDS160		164	R CHIP	R518	HRFT102JBA	1/10 1K OHM J 1608	
113	DIODE SW CHIP	D509	DZDS160---	KDS160		165	R CHIP	R519-522	HRFT220JBA	1/10W 22 OHM J 1608	
114	DIODE ZENER	DZ501-502	DZTZ7R5B--	MTZ 7.5B		166	R CHIP	R524	HRFT332JBA	1/10 3.3K OHM J 1608	
115	IC	IC501	1TORX178B-	TORX178B (OPTICAL RX)		167	R CHIP	R525	HRFT470JBA	1/10 47 OHM J 1608	
116	IC	IC502	1T0TX178A-	T0TX178A (OPTICAL TX)		168	R CHIP	R526-528	HRFT472JBA	1/10 4.7K OHM J 1608	
117	IC	IC503	174HCU04--	74HCU04 (INVERTER)		169	R CHIP	R529	HRFT103JBA	1/10 10K OHM J 1608	
118	IC	IC504	1AK4112A--	AK4112A (DIR)		170	R CHIP	R531	HRFT472JBA	1/10 4.7K OHM J 1608	
119	IC REGULATOR	IC505	1AME1117BG	AME1117BCGT (SOT-223)		171	R CHIP	R532	HRFT103JBA	1/10 10K OHM J 1608	
120	IC	IC506	1CS49326--	CS49326 (DD DECODER)		172	R CHIP	R533	HRFT122JBA	1/10 1.2K OHM J 1608	
121	IC	IC507	174HC244--	74HC244 (BUS DRIVER)		173	R CHIP	R534	HRFT332JBA	1/10 3.3K OHM J 1608	
122	IC	IC508	1CS4228A--	CS4228A (CODEC)		174	R CHIP	R535	HRFT103JBA	1/10 10K OHM J 1608	
123	IC REGULATOR	IC509	1AME1117CC	AME1117CCCT (TO-252)		175	R CHIP	R536-537	HRFT220JBA	1/10W 22 OHM J 1608	
124	IC	IC510	1CS4341---	CS4341 (DAC)		176	R CHIP	R538	HRFT103JBA	1/10 10K OHM J 1608	
125	IC CHIP	IC511-512	1NJM4558M-	NJM4558M		177	R CHIP	R539	HRFT470JBA	1/10 47 OHM J 1608	
126	IC	IC516-518	1NJM2068--	NJM2068 (OP AMP)		178	R CHIP	R540	HRFT103JBA	1/10 10K OHM J 1608	
127	IC CHIP	IC519-520	1NJM4558M-	NJM4558M		179	R CHIP	R541	HRFT223JBA	1/10 22K OHM J 1608	
128	IC	IC521	1BU4052BCF	BU4052		180	R CHIP	R542L/R	HRFT151JBA	1/10 150 OHM J 1608	
129	IC CHIP	IC523	1NJM4558M-	NJM4558M		181	R CHIP	R543L/R	HRFT103JBA	1/10 10K OHM J 1608	
130	IC	IC524	1M62446FP-	M62446FP		182	R CHIP	R544L/R	HRFT472JBA	1/10 4.7K OHM J 1608	
131	IC CHIP	IC525-527	1NJM4558M-	NJM4558M		183	R CHIP	R545L/R	HRFT561JBA	1/10 560 OHM J 1608	
132	JACK RCA	JA501	9736324100	JK010055HN		184	R CHIP	R546L/R	HRFT472JBA	1/10 4.7K OHM J 1608	
133	COIL CHIP	L501-502	HLC479J03A	4.7UH CHIP 2012		185	R CHIP	R548L/R	HRFT102JBA	1/10 1K OHM J 1608	
134	COIL CHIP	L503	HLC229J02A	2.2UH CHIP 1608		186	R CHIP	R549L/R	HRFT104JBA	1/10 100K OHM J 1608	
135	COIL CHIP	L504	HLC104J01A	BEAD 120 OHM 100MHZ 2012		187	R CHIP	R550L/R	HRFT102JBA	1/10 1K OHM J 1608	
136	COIL CHIP	L505	HLC479J03A	4.7UH CHIP 2012		188	R CHIP	R555L/R	HRFT473JBA	1/10 47K OHM J 1608	
137	COIL CHIP	L506-507	HLC104J01A	BEAD 120 OHM 100MHZ 2012		189	R CHIP	R556L/R	HRFT472JBA	1/10 4.7K OHM J 1608	
138	COIL CHIP	L508L/R	HLC104J01A	BEAD 120 OHM 100MHZ 2012		190	R CHIP	R557L/R	HRFT471JBA	1/10 470 OHM J 1608	
139	R CHIP	L509L/R	HRFT000-BA	1/10 0 OHM 1608		191	R CHIP	R561	HRFT474JBA	1/10 470K OHM J 1608	
140	COIL CHIP	L510A/B/C/L/R/W	HLC104J01A	BEAD 120 OHM 100MHZ 2012		192	R CHIP	R562	HRFT472JBA	1/10 4.7K OHM J 1608	
141	COIL CHIP	L511-512	HLC104J01A	BEAD 120 OHM 100MHZ 2012		193	R CHIP	R563A/B/C/L/R/W	HRFT472JBA	1/10 4.7K OHM J 1608	
142	TR CHIP	Q502	TZRA102S--	KRA102S (10X10)PNP		194	R CHIP	R564A/B/C/L/R/W	HRFT472JBA	1/10 4.7K OHM J 1608	
143	TR CHIP	Q503L/R	TZRC231S--	KRC231S		195	R CHIP	R565A/B/C/L/R/W	HRFT472JBA	1/10 4.7K OHM J 1608	
144	TR CHIP	Q505	TZRA102S--	KRA102S (10X10)PNP		196	R CHIP	R566A/B/C/L/R/W	HRFT472JBA	1/10 4.7K OHM J 1608	
145	TR CHIP	Q506	TZRC102S--	KRC102S		197	R CHIP	R567A/B/C/L/R/W	HRFT102JBA	1/10 1K OHM J 1608	
146	TR CHIP	Q507A/B/C/L/R/W	TZRC231S--	KRC231S		198	R CHIP	R568A/B/C/L/R/W	HRFT104JBA	1/10 100K OHM J 1608	
147	TR FET	Q508L/R	T2SK117---	2SK117		199	R CHIP	R569A/B/C/L/R/W	HRFT102JBA	1/10 1K OHM J 1608	
148	TR CHIP	Q509	TZRA102S--	KRA102S (10X10)PNP		200	R CHIP	R570L/R/W	HRFT392JBA	1/10 3.9K OHM J 1608	
149	TR CHIP	Q510	TZRC102S--	KRC102S		201	R CHIP	R571L/L/R	HRFT472JBA	1/10 4.7K OHM J 1608	
150	TR CHIP	Q511	TZRA102S--	KRA102S (10X10)PNP		202	R CHIP	R571W	HRFT682JBA	1/10 6.8K OHM J 1608	
151	TR CHIP	Q512-513	TZRC231S--	KRC231S		203	R CHIP	R572L/R-573L/R	HRFT153JBA	1/10 15K OHM J 1608	
152	R CHIP	R501	HRFT472JBA	1/10 4.7K OHM J 1608		204	R CHIP	R572W	HRFT562JBA	1/10 5.6K OHM J 1608	
153	R CHIP	R503	HRFT221JBA	1/10 220 OHM J 1608		205	R CHIP	R573W	HRFT822JBA	1/10 8.2K OHM J 1608	

13. Electrical Parts List

Model : DV-115

NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
206	R CHIP	R574L/R/W	HRFT101JBA	1/10 100 OHM J 1608		9	C CHIP CERA	C949	HCQK101JBA	50V CH 100PF J 1608	
207	R CHIP	R575-576	HRFT332JBA	1/10 3.3K OHM J 1608		10	C CHIP CERA	C950	HCBK103KBA	50V X7R 0.01MF K 1608	
208	R CHIP	R577L/R	HRFT622JBA	1/10 6.2K OHM J 1608		11	C ELECTRO	C951	CEXP1H479V	50V REM 4.7MF 4*5	
209	R CHIP	R578	HRFT103JBA	1/10 10K OHM J 1608		12	C DOUBLE LAYER	C952	CDXC0H479A	0.047F/5.5V 70UA 5RE	
210	R CHIP	R578L/R	HRFT104JBA	1/10 100K OHM J 1608		13	C ELECTRO	C953	CEXP1C470V	16V REM 47MF	
211	R CHIP	R579	HRFT222JBA	1/10 2.2K OHM J 1608		14	C CHIP CERA	C954	HCBK103KBA	50V X7R 0.01MF K 1608	
212	R CHIP	R580L/R	HRFT472JBA	1/10 4.7K OHM J 1608		15	C CHIP CERA	C955	HCBK104KBA	50V X7R 0.1MF K 1608	
213	R CHIP	R581	HRFT473JBA	1/10 47K OHM J 1608		16	C CHIP CERA	C957-959	HCQK101JBA	50V CH 100PF J 1608	
214	R CHIP	R582L/R	HRFT104JBA	1/10 100K OHM J 1608		17	C CHIP CERA	C960	HCBK473KBA	50V X7R 0.047MF K 1608	
215	R CHIP	R583L/R	HRFT000-BA	1/10 0 OHM 1608		18	C ELECTRO	C961	CEXP1H109V	50V REM 1MF 4*5	
216	R CHIP	R584L/R-585L/R	HRFT472JBA	1/10 4.7K OHM J 1608		19	C CHIP CERA	C962	HCBK104KBA	50V X7R 0.1MF K 1608	
217	R CHIP	R586L/R	HRFT104JBA	1/10 100K OHM J 1608		20	C ELECTRO	C963	CEXP1H109V	50V REM 1MF 4*5	
218	R CHIP	R587A/B/C/L/R/W	HRFT000-BA	1/10 0 OHM 1608		21	C CHIP CERA	C964	HCBK473KBA	50V X7R 0.047MF K 1608	
219	R CHIP	R588	HRFT104JBA	1/10 100K OHM J 1608		22	CONN AS	CN901	9728811200	#26 P2.0 4P 160MM UL 1007	
220	R METAL FILM	R589	RN-42221J-	1/4W 220 OHM J		23	CONN AS	CN903	9728809700	#26 P2.0 7P 140MM UL 1007	
221	R CHIP	R590	HRFT751JBA	1/10 750 OHM J 1608		24	CONN AS	CN904	9728811300	#26 P2.0 6P 170MM UL 1007	
222	R CHIP	R591-593	HRFT101JBA	1/10 100 OHM J 1608		25	CONN AS	CN906	9728811500	#26 P2.0 3P 100MM UL 1007	
223	R CHIP	R594	HRFT152JBA	1/10 1.5K OHM J 1608		26	CONN FFC	CN911	9728809400	FFC 1.25X27X360MM K	
224	R CHIP	R595L/R	HRFT101JBA	1/10 100 OHM J 1608		27	CONN FFC	CN912	9728809300	FFC 1.25X11X230MM R	
225	R CHIP	R596A/B/C/L/R/W	HRFT224JBA	1/10 220K OHM J 1608		28	CONN WAFER	CP901	9CD6264000	52044-1145	
226	R METAL FILM	R597	RN-42221J-	1/4W 220 OHM J		29	CONN WAFER	CP903	9CD6264200	52044-2745	
227	R CHIP	R598	HRFT103JBA	1/10 10K OHM J 1608		30	DIODE	D902	DZN4148---	1N4148 AUTO 52MM	
228	R CHIP	R598A/B/C/L/R/W	HRFT104JBA	1/10 100K OHM J 1608		31	DIODE ZENER	D903	DZT723R3B--	MTZ 3.3V B	
229	R CHIP	R599	HRFT102JBA	1/10 1K OHM J 1608		32	DIODE	D904	DZN4148---	1N4148 AUTO 52MM	
230	R CHIP	R599L/R	HRFT104JBA	1/10 100K OHM J 1608		33	DIODE	D905	DZN4007---	1N4007	
231	R CHIP	R600	HRFT474JBA	1/10 470K OHM J 1608		34	DIODE	D906	DZN4148---	1N4148 AUTO 52MM	
232	R CHIP	R601-602	HRFT332JBA	1/10 3.3K OHM J 1608		35	DIODE ZENER	D908	DZT26R8B--	MTZ6.8B	
233	R CHIP	R601A/B/C/L/R/W	HRFT101JBA	1/10 100 OHM J 1608		36	FL DISPLAY	FL901	DHNA11MM37	NHA-11MM37	
234	R CHIP	R602A/B/C/L/R/W	HRFT473JBA	1/10 47K OHM J 1608		37	IC MICOM	IC904	1CXP82852-	CXP82852-329Q	
235	R CHIP	R603A/B/C/L/R	HRFT562JBA	1/10 5.6K OHM J 1608		38	IC RMC MODULE	IC905	1TM97CT38-	TM97CT38P	
236	R CHIP	R603W	HRFT103JBA	1/10 10K OHM J 1608		39	R CHIP	L901-903	HRFT000-BA	1/10 0 OHM 1608	
237	R CHIP	R604A/B/C/L/R	HRFT392JBA	1/10 3.9K OHM J 1608		40	TR	Q903	TZTC3875--	KTC3875	
238	R CHIP	R604W	HRFT751JBA	1/10 750 OHM J 1608		41	TR CHIP	Q904	TZRC102S--	KRC102S	
239	R CHIP	R605A/B/C/L/R/W	HRFT104JBA	1/10 100K OHM J 1608		42	R CHIP	R1-37	HRFT104JBA	1/10 100K OHM J 1608	
240	R CHIP	R606A/B/C/L/R/W	HRFT102JBA	1/10 1K OHM J 1608		43	R CHIP	R1001	HRFT103JBA	1/10 10K OHM J 1608	
241	R CHIP	R607	HRFT103JBA	1/10 10K OHM J 1608		44	R CHIP	R1002	HRFT473JBA	1/10 47K OHM J 1608	
242	R CHIP	R608	HRFT223JBA	1/10 22K OHM J 1608		45	R CHIP	R1003-1010	HRFT103JBA	1/10 10K OHM J 1608	
243	R CHIP	R608W	HRFT102JBA	1/10 1K OHM J 1608		46	R CHIP	R1011-1013	HRFT473JBA	1/10 47K OHM J 1608	
244	R CHIP	R609	HRFT122JBA	1/10 1.2K OHM J 1608		47	R CHIP	R1014	HRFT101JBA	1/10 100 OHM J 1608	
245	R CHIP	R610	HRFT000-BA	1/10 0 OHM 1608		48	R CHIP	R1015	HRFT472JBA	1/10 4.7K OHM J 1608	
246	R CHIP	R611	HRFT183JBA	1/10 18K OHM J 1608		49	R CHIP	R926-928	HRFT473JBA	1/10 47K OHM J 1608	
247	R CHIP	R612-619	HRFT000-BA	1/10 0 OHM 1608		50	R CHIP	R929	HRFT100JBA	1/10 10 OHM J 1608	
248	R CHIP	R620-627	HRFT103JBA	1/10 10K OHM J 1608		51	R CHIP	R930	HRFT104JBA	1/10 100K OHM J 1608	
249	X-TAL	X501	5XE12R288J	12.288MHZ HC-49U		52	R CHIP	R931-933	HRFT101JBA	1/10 100 OHM J 1608	
1	PCB FRONT AS	15000	9CDC059300	DV-115		53	R CHIP	R934-936	HRFT220JBA	1/10W 22 OHM J 1608	
2	PCB FRONT	B001	9CD6583500	242X329		54	R CHIP	R937-940	HRFT101JBA	1/10 100 OHM J 1608	
3	C CHIP CERA	C932-933	HCBK103KBA	50V X7R 0.01MF K 1608		55	R CHIP	R941-942	HRFT471JBA	1/10 470 OHM J 1608	
4	C CHIP CERA	C934-939	HCQK101JBA	50V CH 100PF J 1608		56	R CHIP	R943	HRFT473JBA	1/10 47K OHM J 1608	
5	C ELECTRO	C940	CEXP1C470V	16V REM 47MF		57	R CHIP	R944	HRFT471JBA	1/10 470 OHM J 1608	
6	C CHIP CERA	C941	HCBK473KBA	50V X7R 0.047MF K 1608		58	R CHIP	R945-946	HRFT473JBA	1/10 47K OHM J 1608	
7	C CHIP CERA	C946-947	HCQK101JBA	50V CH 100PF J 1608		59	R CHIP	R947-948	HRFT102JBA	1/10 1K OHM J 1608	
8	C CHIP CERA	C948	HCBK103KBA	50V X7R 0.01MF K 1608		60	R CHIP	R949-950	HRFT472JBA	1/10 4.7K OHM J 1608	

13. Electrical Parts List

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NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
61	R CHIP	R951	HRFT103JBA	1/10 10K OHM J 1608		12	C ELECTRO	C718	CEXF1E472E	25V RM 4700MF (16X31.5)	
62	R CHIP	R952	HRFT224JBA	1/10 220K OHM J 1608		13	C ELECTRO	C719	CEXF1E102E	25V RM 1000MF (10X20)	
63	R CHIP	R953	HRFT103JBA	1/10 10K OHM J 1608		14	C ELECTRO	C720-721	CEXF1E471E	25V RM 470MF (10X12.5)	
64	R CHIP	R954	HRFT680JBA	1/10 68 OHM J 1608		15	C MYLAR	C722-724	CMXM2A473J	100V 0.047MF J (TP)	
65	R CHIP	R955	HRFT271JBA	1/10 270 OHM J 1608		16	C ELECTRO	C725	CEXF1C682E	16V RM 6800MF (16X35.5)	
66	R CHIP	R956-958	HRFT103JBA	1/10 10K OHM J 1608		17	C CERA	C726	CCXF1H104Z	50V F 0.1MF Z	
67	R CHIP	R960	HRFT122JBA	1/10 1.2K OHM J 1608		18	C ELECTRO	C727	CEXF1C471E	16V RM 470MF (8X11.5)	
68	R CHIP	R961-962	HRFT152JBA	1/10 1.5K OHM J 1608		19	C CERA	C728	CCXF1H104Z	50V F 0.1MF Z	
69	R CHIP	R963-964	HRFT272JBA	1/10 2.7K OHM J 1608		20	C MYLAR	C729-731	CMXM2A473J	100V 0.047MF J (TP)	
70	R CHIP	R965	HRFT472JBA	1/10 4.7K OHM J 1608		21	C ELECTRO	C740	CEXF1H100E	50V RM 10MF (5X11) TP	
71	R CHIP	R968	HRFT122JBA	1/10 1.2K OHM J 1608		22	C MYLAR	C741A/B/C/L/R	CMXM2A104J	100V 0.1MF J (TP)	
72	R CHIP	R969-970	HRFT152JBA	1/10 1.5K OHM J 1608		23	C CERA	C742A/B/C/L/R	CCXF1H103Z	50V F 0.01MF Z (TAPPING)	
73	R CHIP	R971-972	HRFT272JBA	1/10 2.7K OHM J 1608		24	C ELECTRO	C743	CEXF1H479E	50V RM 4.7MF (5X11) TP	
74	R CHIP	R973	HRFT472JBA	1/10 4.7K OHM J 1608		25	C ELECTRO	C744	CEXF1H100E	50V RM 10MF (5X11) TP	
75	R CHIP	R974	HRFT822JBA	1/10 8.2K OHM J 1608		26	C ELECTRO	C745	CEXF1E101E	25V RM 100MF (6.3X11) TP	
76	R CHIP	R975	HRFT101JBA	1/10 100 OHM J 1608		27	C CERA	C746	CCXF1H473Z	50V F 0.047MF Z (TAPPING)	
77	R CHIP	R976	HRFT122JBA	1/10 1.2K OHM J 1608		28	C ELECTRO	C747	CEXF1E101E	25V RM 100MF (6.3X11) TP	
78	R CHIP	R977-978	HRFT152JBA	1/10 1.5K OHM J 1608		29	C ELECTRO	C751	CEXF1H108E	50V RM 0.1MF (5X11) TP	
79	R CHIP	R979-980	HRFT272JBA	1/10 2.7K OHM J 1608		30	C CERA	C752A/B/C/L/R	CCZB1H471K	50V B 470PF K	
80	R CHIP	R981	HRFT472JBA	1/10 4.7K OHM J 1608		31	C ELECTRO	C753-754	CEXF1H108E	50V RM 0.1MF (5X11) TP	
81	R CHIP	R982	HRFT822JBA	1/10 8.2K OHM J 1608		32	C ELECTRO	C755A	CEXF1H229E	50V RM 2.2MF (5X11) TP	
82	R CHIP	R983	HRFT102JBA	1/10 1K OHM J 1608		33	C ELECTRO	C755B/C/L/R	CEXF1H229V	50V RSS 2.2MF (5X11) TP	
83	R CHIP	R984	HRFT000-BA	1/10 0 OHM 1608		34	C CERA	C756A/B/C/L/R	CCZB1H221K	50V B 220PF K	
84	R CHIP	R987	HRFT103JBA	1/10 10K OHM J 1608		35	C ELECTRO	C757A/B/C/L/R	CEXF1H330E	50V RM 33MF (5X11) TP	
85	SW TACT	SW901-906	5S50101001	KPT-1105A 1C-1P		36	C CERA	C758A/B/C/L/R	CZCH1H309K	CH 50V 3PF K AXL 26MM	
86	SW TACT	SW908-924	5S50101001	KPT-1105A 1C-1P		37	C CERA	C759A/B/C/L/R	CCXF1H223Z	50V F 0.022MF Z (TAPPING)	
87	VOL ENCODER	VR904	5SH1624368	EC16B241040B		38	C CERA	C760	CCXF1H223Z	50V F 0.022MF Z (TAPPING)	
88	RESONATOR CERA	X901	5PCST10MTW	CST10.00MTW		39	C ELECTRO	C761	CEXF1H100E	50V RM 10MF (5X11) TP	
1	PCB H/P AS	17000	9CDC0593B0	DV-115		40	C CERA	C762	CCXF1H223Z	50V F 0.022MF Z (TAPPING)	
2	PCB H/P	B001	9CD6583502	242X329		41	C ELECTRO	C763	CEXF1H100E	50V RM 10MF (5X11) TP	
3	C CHIP CERA	C992	HCBK103KBA	50V X7R 0.01MF K 1608		42	C ELECTRO	C764-765	CEXF1V101E	35V RM 100MF (6.3X11) TP	
4	C CHIP CERA	C993-994	HCBK102KBA	50V X7R 1000PF K 1608		43	C ELECTRO	C766	CEXF1H100E	50V RM 10MF (5X11) TP	
5	CONN WAFER	CP902	9728808800	2.0MM PH-3AW 3P		44	C CERA	C767	CCXF1H223Z	50V F 0.022MF Z (TAPPING)	
6	CONN WAFER	CP992	9728808900	2.0MM PH-7A 7P		45	C ELECTRO	C768	CEXF1V101E	35V RM 100MF (6.3X11) TP	
7	DIODE SW CHIP	D911-912	DZDS160---	KDS160		46	C CERA	C769	CCXF1H223Z	50V F 0.022MF Z (TAPPING)	
8	JACK HEADPHONE	PH991	9766319502	HTJ-064-05B GOLD		47	C ELECTRO	C770	CEXF1H100E	50V RM 10MF (5X11) TP	
1	PCB KEY SW AS	18000	9CDC0593C0	DV-115		48	C ELECTRO	C771	CEXF1V101E	35V RM 100MF (6.3X11) TP	
2	PCB KEY SW	B001	9CD6583503	242X329		49	C CERA	C772-773	CCXF1H103Z	50V F 0.01MF Z (TAPPING)	
3	CONN WAFER	CP906	9728808800	2.0MM PH-3AW 3P		50	C CERA	C780L/R-785L/R	CZCH1H101J	CH 50V 100PF J AXL 52MM	
4	LED	D907	DLTL16KEE-	LTL-16KEE(RED)P13.1		51	C CERA	C786-787	CCXF1H103Z	50V F 0.01MF Z (TAPPING)	
5	SW TACT	SW907	5S50101001	KPT-1105A 1C-1P		52	C CERA	C790-791	CCXF1H104Z	50V F 0.1MF Z	
1	PCB MAIN AS	10000	9CDC058900	DV-115		53	C ELECTRO	C792-793	CEXF1H479E	50V RM 4.7MF (5X11) TP	
2	PCB MAIN	B001	9CD6583600	247X330		54	C ELECTRO	C793L/R-794L/R	CEXF1H100E	50V RM 10MF (5X11) TP	
3	C ELECTRO	C702	CEXF1E102E	25V RM 1000MF (10X20)		55	C ELECTRO	C795	CEXF1C682E	16V RM 6800MF (16X35.5)	
4	C CERA AC	C703	CH18FE472M	4.0KV 4700PF M SD AC250V		56	C CERA	C795A/B/C/L/R	CCZB1H222K	50V HKB 2200PF K AXL 52M	
5	C ELECTRO	C705	CEXF1H100E	50V RM 10MF (5X11) TP		57	C CERA	C796	CZCH1H101J	CH 50V 100PF J AXL 52MM	
6	C MYLAR	C707	CMXM2E104J	250V 0.1MF J		58	CONN WAFER	CN702	9CD6263900	52045-1745	
7	C MYLAR	C709-710	CMXM2E104J	250V 0.1MF J		59	CONN AS	CN706	9728810400	#18 P3.96 3P 210MM UL1007	
8	C ELECTRO	C711-712	CEXF1V472E	35V RM 4700MF (18X35.5)		60	CONN AS	CN993	9728809800	#22 P7.92 2P 460MM UL1617	
9	C ELECTRO	C713	CEXF1J331E	63V RM 330MF (6.3X11)		61	CONN WAFER	CP502	9728807700	35336-1110 WAFER	
10	C ELECTRO	C714	CEXF1H109E	50V RM 1MF (5X11) TP		62	CONN WAFER	CP503	9728807800	35336-1810 WAFER	
11	C MYLAR	C715-717	CMXM2A473J	100V 0.047MF J (TP)		63	CONN WAFER	CP701	9728808100	GP390-03P-TS-M(W/O CENTER	

13. Electrical Parts List

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NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
64	CONN WAFER	CP702	9728808200	VH-3A (W/O CENTER,RED)		116	TR	Q704	TZTA1024Y-	KTA1024Y (949Y)	
65	CONN WAFER	CP703	9728808300	VH-3A (W/O CENTER)		117	TR	Q705	TKRC107M--	KRC107-M TAPPING(KSR1006)	
66	CONN WAFER	CP704	9728808500	VH-3A WAFER		118	TR	Q706	TZTA1266Y-	KTA1266Y- (AUTO)(1015Y)	
67	CONN AS	CP705	9728810500	#24 P2.0 8P 140MM UL 1007		119	TR	Q707~709	TZTC3199Y-	KTC-3199Y TAPING	
68	CONN WAFER	CP706	9728807900	5267-02A WAFER		120	TR	Q710	TZTA1266Y-	KTA1266Y- (AUTO)(1015Y)	
69	CONN WAFER	CP707	9728808000	5267-06A WAFER		121	TR	Q711	TZTC3200GR	KTC3200GR (AUTO)(2240GR)	
70	CONN WAFER	CP708	9728808400	VH-2A WAFER		122	TR	Q712	TKRA102M--	KRA 102-M (TAPPING)	
71	CONN AS	CP710	9728810200	#26 P2.0 6P 120MM UL 1007		123	TR	Q713	TZTC102M--	KRC102M	
72	CONN WAFER	CP711	9728808700	2.0MM PH-8A 8P		124	TR	Q717~720	TZRA102M--	KRA102M(KEC)	
73	CONN WAFER	CP903	9CD6263800	52045-2745		125	TR	Q721~725	TZRC231M--	KRC231M(KEC)	
74	DIODE	D701	D1N4007---	IN4007		126	TR	Q726	TZTC3200GR	KTC3200GR (AUTO)(2240GR)	
75	DIODE ZENER	D702	DZT23R3B--	MTZ 3.3V B		127	TR	Q727	TZRC102M--	KRC102M(KEC)	
76	DIODE	D703~706	D1N4007---	IN4007		128	TR	Q727A/B/C/L/R	TZTC3199Y-	KTC-3199Y TAPING	
77	DIODE	D707	DZN4148---	1N4148 AUTO 52MM		129	TR	Q730	TKRC107M--	KRC107-M TAPPING(KSR1006)	
78	DIODE ZENER	D708	DZT215B---	MTZ 15V B		130	R METAL FILM	R701~702	RN-4Z109J-	1/4 1 OHM J	
79	DIODE	D709	DKBPC806--	KBPC806		131	R CARBON FILM	R703	RD-AZ182J-	1/6 1.8K OHM J	
80	DIODE	D710	D1N4007---	IN4007		132	R CARBON FILM	R705	RD-AZ221J-	1/6 220 OHM J	
81	DIODE	D711A/B/C/L/R	DZN4148---	1N4148 AUTO 52MM		133	R CARBON FILM	R706	RD-AZ223J-	1/6 22K OHM J	
82	DIODE ZENER	D712	DZT212B---	MTZ 12V 26MM TAPPING		134	R METAL FILM	R707	RN-4Z680J-	1/4 68 OHM J	
83	DIODE ZENER	D713	DZT222B---	MTZ 22V B		135	R CARBON FILM	R708	RD-AZ102J-	1/6 1K OHM J	
84	DIODE	D714~717	D1N4007---	IN4007		136	R METAL FILM	R709~710	RN-4Z109J-	1/4 1 OHM J	
85	DIODE	D718~719	DZN4148---	1N4148 AUTO 52MM		137	R CARBON FILM	R711	RD-AZ103J-	1/6 10K OHM J	
86	DIODE	D720~723	D1N4007---	IN4007		138	R METAL FILM	R715~717	RN-4Z109J-	1/4 1 OHM J	
87	DIODE	D724	DKBPC806--	KBPC806		139	R CARBON FILM	R718~719	RD-AZ103J-	1/6 10K OHM J	
88	DIODE ZENER	D725	DZT24R3B--	MTZ4.3B		140	R CARBON FILM	R720~722	RD-AZ102J-	1/6 1K OHM J	
89	DIODE	D726~727	DZN4148---	1N4148 AUTO 52MM		141	R METAL FILM	R723A/B/C/L/R	RN01B100JS	1W 10 OHM J SMALL	
90	DIODE	D729	DZN4148---	1N4148 AUTO 52MM		142	R METAL FILM	R724A/B/C/L/R	RN01B100JS	1W 10 OHM J SMALL	
91	DIODE ZENER	D730	DZT25R6B--	UZ-5.6B		143	R CARBON FILM	R726A/B/C/L/R	RD-AZ223J-	1/6 22K OHM J	
92	DIODE	D731~741	DZN4148---	1N4148 AUTO 52MM		144	R CARBON FILM	R729	RD-AZ153J-	1/6 15K OHM J	
93	DIODE	D743~744	DZN4148---	1N4148 AUTO 52MM		145	R METAL FILM	R730	RN-4Z473J-	1/4 47K OHM J	
94	DIODE ZENER	D745	DZT29R1B--	TZ-9.1V		146	R CARBON FILM	R731~732	RD-AZ473J-	1/6 47K OHM J	
95	DIODE	D746	DZN4148---	1N4148 AUTO 52MM		147	R CARBON FILM	R734	RD-4Z473J-	1/4 47K OHM J	
96	FUSE GLASS TUBE	F701	5FSG81022L	SEMKO TL 1A 250V MF51		148	R CARBON FILM	R735	RD-AZ104J-	1/6 100K OHM J	
97	FUSE GLASS TUBE	F702	5FSG82022L	SEMKO TL 2A 250V MF51		149	R CARBON FILM	R736	RD-4Z473J-	1/4 47K OHM J	
98	FUSE GLASS TUBE	F703	5FSG84022L	SEMKO TL 4A 250V MF51		150	R CARBON FILM	R740	RD-AZ102J-	1/6 1K OHM J	
99	HOLDER FUSE CLIP	FC701~706	9734600800	PI5.2 - REEL		151	R CARBON FILM	R742A/B/C/L/R	RD-AZ102J-	1/6 1K OHM J	
100	TERMINAL GND	G701~702	9CD6450500	SNP 0.3T		152	R CARBON FILM	R743	RD-AZ474J-	1/6 470K OHM J	
101	IC REGULATOR	IC701	1K1A7805AP	K1A7805AP		153	R CARBON FILM	R745	RD-AZ102J-	1/6 1K OHM J	
102	IC PROTECTOR	IC702	11CPN15---	ICP-N15		154	R CARBON FILM	R747	RD-AZ474J-	1/6 470K OHM J	
103	IC REGULATOR	IC703	1K1A7812AP	K1A7812AP		155	R CARBON FILM	R750	RD-AZ102J-	1/6 1K OHM J	
104	IC	IC704	1K1A7912AP	K1A7912AP (MOLD)		156	R CARBON FILM	R751	RD-AZ474J-	1/6 470K OHM J	
105	IC REGULATOR	IC705	1K1A7805AP	K1A7805AP		157	R CARBON FILM	R754A/B/C/L/R	RD-AZ182J-	1/6 1.8K OHM J	
106	IC POWER	IC709	1STK402250	STK 402-250		158	R CARBON FILM	R755A/B/C/L/R	RD-AZ563J-	1/6 56K OHM J	
107	IC POWER	IC710	1STK402050	STK 402-050		159	R CARBON FILM	R756A/B/C/L/R	RD-AZ563J-	1/6 56K OHM J	
108	IC OP AMP	IC711	1NJM4558D-	NJM4558D		160	R CARBON FILM	R757A/B/C/L/R	RD-AZ202J-	1/6 2K OHM J	
109	IC SWITCH	IC712	1NJU7313AM	NJU7313AM (SW ARRAY SOP)		161	R CARBON FILM	R758A/B/C/L/R	RD-AZ202J-	1/6 2K OHM J	
110	JACK SPK TERMINAL	JA701	9736324300	P40420428P		162	R METAL FILM	R759A/B/C/L/R	RN01B228JS	1W 0.22 OHM J SMALL	
111	JACK SPK TERMINAL	JA702	9736324400	P40620702P		163	R METAL FILM	R760~761	RN-4Z101J-	1/4 100 OHM J	
112	AC OUTLET	JA703	9736324500	A302D0061P		164	R CARBON FILM	R762~763	RD-AZ103J-	1/6 10K OHM J	
113	JACK RCA	JA704~705	9736323600	JK0600460		165	R CARBON FILM	R764	RD-AZ203J-	1/6 20K OHM J	
114	COIL SPRING	L723A/B/C/L/R	5L0000732	PI10X1.0X7T (R) CW		166	R METAL FILM	R765	RN-4Z101J-	1/4 100 OHM J	
115	TR	Q702	TKRC107M--	KRC107-M TAPPING(KSR1006)		167	R CARBON FILM	R766	RD-AZ203J-	1/6 20K OHM J	

13. Electrical Parts List

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NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
168	R METAL FILM	R767	RN-4Z101J-	1/4 100 OHM J		38	DIODE SW CHIP	D909~910	DZDS160---	KDS160	
169	R CARBON FILM	R772L/R~777L/R	RD-AZ471J-	1/6 470 OHM J		39	IC CHIP	IC901	1NJM4558M-	NJM4558M	
170	R CARBON FILM	R778L/R~783L/R	RD-AZ275J-	1/6 2.7M OHM J		40	IC	IC902	1ES56033--	ES56033	
171	R CARBON FILM	R784L/R~785L/R	RD-AZ104J-	1/6 100K OHM J		41	IC CHIP	IC903	1NJM4558M-	NJM4558M	
172	R CARBON FILM	R786L/R	RD-AZ101J-	1/6 100 OHM J		42	JACK MIC	JA901	9736324200	H20480060S	
173	R CARBON FILM	R788L/R	RD-AZ101J-	1/6 100 OHM J		43	TR	Q901	TZTC3200GR	KTC3200GR (AUTO)(2240GR)	
174	R CARBON FILM	R789L/R	RD-AZ104J-	1/6 100K OHM J		44	TR CHIP	Q905L/R	TZRC231S--	KRC231S	
175	R CARBON FILM	R790~792	RD-AZ101J-	1/6 100 OHM J		45	TR CHIP	Q906	TZRA102S--	KRA102S (10X10)PNP	
176	R METAL FILM	R793L/R	RN01B331JS	1W 330 OHM J SMALL		46	TR CHIP	Q907	TZRC104S--	KRC104S	
177	R CARBON FILM	R799	RD-AZ472J-	1/6 4.7K OHM J		47	R CHIP	R901	HRFT561JBA	1/10 560 OHM J 1608	
178	R CARBON FILM	R799A/B/C/L/R	RD-AZ333J-	1/6 33K OHM J		48	R CHIP	R902	HRFT103JBA	1/10 10K OHM J 1608	
179	SW RELAY	RY701	5SC2001A01	SDT-S-105LMR		49	R CHIP	R903	HRFT473JBA	1/10 47K OHM J 1608	
180	SW RELAY	RY702	5SC0201103	HR-CR323 2C-1P DC12V		50	R CHIP	R904	HRFT561JBA	1/10 560 OHM J 1608	
181	SW RELAY	RY703	5SC0101370	SDT-S-112LMR		51	R CHIP	R905	HRFT563JBA	1/10 56K OHM J 1608	
182	TRANS POWER	T701	5TP8028855	EI=28X12 8.5V 150MA 230V		52	R CHIP	R906	HRFT392JBA	1/10 3.9K OHM J 1608	
1	PCB MIC AS	16000	9CDC0593A0	DV-115		53	R CHIP	R908	HRFT103JBA	1/10 10K OHM J 1608	
2	PCB MIC	B001	9CD6583501	242X329		54	R CHIP	R909	HRFT123JBA	1/10 12K OHM J 1608	
3	C ELECTRO	C901	CEXF1H479E	50V RM 4.7MF (5X11) TP		55	R CHIP	R910	HRFT103JBA	1/10 10K OHM J 1608	
4	C CHIP CERA	C902	HCQK101JBA	50V CH 100PF J 1608		56	R CHIP	R911~912	HRFT153JBA	1/10 15K OHM J 1608	
5	C ELECTRO	C903	CEXF1H220E	50V RM 22MF (5X11) TP		57	R CHIP	R913	HRFT123JBA	1/10 12K OHM J 1608	
6	C CHIP CERA	C904	HCQK221JBA	50V CH 220PF J 1608		58	R CHIP	R914	HRFT103JBA	1/10 10K OHM J 1608	
7	C ELECTRO	C905	CEXF1H479E	50V RM 4.7MF (5X11) TP		59	R CHIP	R915	HRFT153JBA	1/10 15K OHM J 1608	
8	C CHIP CERA	C906	HCBK102KBA	50V X7R 1000PF K 1608		60	R CHIP	R916	HRFT562JBA	1/10 5.6K OHM J 1608	
9	C ELECTRO	C907	CEXF1H100E	50V RM 10MF (5X11) TP		61	R CHIP	R917	HRFT123JBA	1/10 12K OHM J 1608	
10	C CHIP CERA	C908	HCBK472KBA	50V X7R 4700PF K 1608		62	R CHIP	R919	HRFT183JBA	1/10 18K OHM J 1608	
11	C ELECTRO	C909	CEXF1H339E	50V RM 3.3MF (5X11) TP		63	R CHIP	R920	HRFT221JBA	1/10 220 OHM J 1608	
12	C CHIP CERA	C910	HCQK561JBA	50V CH 560PF J 1608		64	R CARBON FILM	R921	RD-4Z331J-	1/4 330 OHM J	
13	C CHIP CERA	C911	HCBK563KBA	50V X7R 0.056MF K 1608		65	R CHIP	R922	HRFT000-BA	1/10 0 OHM 1608	
14	C ELECTRO	C912	CEXF1H100E	50V RM 10MF (5X11) TP		66	R CHIP	R923L/R	HRFT472JBA	1/10 4.7K OHM J 1608	
15	C CHIP CERA	C913	HCBK392KBA	50V X7R 3900PF K 1608		67	R CHIP	R924L/R	HRFT103JBA	1/10 10K OHM J 1608	
16	C CHIP CERA	C914	HCBK563KBA	50V X7R 0.056MF K 1608		68	R CHIP	R925L/R	HRFT472JBA	1/10 4.7K OHM J 1608	
17	C CHIP CERA	C915	HCQK561JBA	50V CH 560PF J 1608		69	R CHIP	R966	HRFT104JBA	1/10 100K OHM J 1608	
18	C CHIP CERA	C916~917	HCBK472KBA	50V X7R 4700PF K 1608		70	R CHIP	R983L/R	HRFT104JBA	1/10 100K OHM J 1608	
19	C ELECTRO	C918	CEXF1H220E	50V RM 22MF (5X11) TP		71	R CHIP	R984L/R	HRFT223JBA	1/10 22K OHM J 1608	
20	C CHIP CERA	C919	HCQK221JBA	50V CH 220PF J 1608		72	R CHIP	R985	HRFT102JBA	1/10 1K OHM J 1608	
21	CLECTRO	C920	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		73	R CHIP	R986	HRFT474JBA	1/10 470K OHM J 1608	
22	C CHIP CERA	C921~923	HCBK104KBA	50V X7R 0.1MF K 1608		74	VR ROTARY	VR901	5V1503727B	RK09K1110303 50KB	
23	C ELECTRO	C924	CEXF1E101E	25V RM 100MF (6.3X11) TP		75	VR ROTARY	VR903	5V1503727B	RK09K1110303 50KB	
24	C ELECTRO	C925	CEXF1H100E	50V RM 10MF (5X11) TP		1	PCB MPEG AS	14000	9CDC059100	DV-115	
25	CLECTRO	C926	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		2	PCB MPEG	B001	9CD6584000	91X147	
26	C CHIP CERA	C927	HCBK103KBA	50V X7R 0.01MF K 1608		3	COIL BEAD	BD401~406	58C0000116	HC-3550R	
27	CLECTRO	C928	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		4	C CHIP CERA	C401	HCBK104KBA	50V X7R 0.1MF K 1608	
28	C CHIP CERA	C929	HCBK103KBA	50V X7R 0.01MF K 1608		5	C CHIP CERA	C402~403	HCQK220JBA	50V CH 22PF J 1608	
29	C CHIP CERA	C930L/R	HCBK102KBA	50V X7R 1000PF K 1608		6	C CHIP CERA	C404	HCBK104KBA	50V X7R 0.1MF K 1608	
30	C ELECTRO	C931L/R	CEXF1H479E	50V RM 4.7MF (5X11) TP		7	C ELECTRO	C405	CEXF1E101E	25V RM 100MF (6.3X11) TP	
31	C ELECTRO	C967	CEXF1H108E	50V RM 0.1MF (5X11) TP		8	C CHIP CERA	C406~407	HCBK104KBA	50V X7R 0.1MF K 1608	
32	C ELECTRO	C968L/R	CEXF1H100E	50V RM 10MF (5X11) TP		9	C ELECTRO	C408	CEXF1H100E	50V RM 10MF (5X11) TP	
33	C CHIP CERA	C969	HCBK103KBA	50V X7R 0.01MF K 1608		10	C CHIP CERA	C409	HCBK105KBA	50V X7R 1MF K 1608	
34	CONN AS	CN905	9728811400	P2.0 3P 270MM SHIELD		11	C CHIP CERA	C410~412	HCBK104KBA	50V X7R 0.1MF K 1608	
35	CONN WAFER	CP904	9728808600	2.0MM PH-6AW 6P		12	C ELECTRO	C413	CEXF1E101E	25V RM 100MF (6.3X11) TP	
36	CONN AS	CP907	9728809500	#26 P2.0 8P 180MM UL 1007		13	C CHIP CERA	C414	HCBK104KBA	50V X7R 0.1MF K 1608	
37	DIODE ZENER	D901	DZTZ5R6B--	UZ-5.6B		14	C ELECTRO	C415	CEXF1E101E	25V RM 100MF (6.3X11) TP	

13. Electrical Parts List

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NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS	NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
15	C CHIP CERA	C416	HCBK102KBA	50V X7R 1000PF K 1608		67	IC RESET	IC408	1K1A7039AF	KIA7039AF	
16	C CHIP CERA	C417	HCBK473KBA	50V X7R 0.047MF K 1608		68	IC ATAPI I/F	IC409	1ZR36701--	ZR36701P	
17	C CHIP CERA	C418	HCQK220JBA	50V CH 22PF J 1608		69	IC VIDEO ENCODER	IC410	1CS4955---	CS4955	
18	C CHIP CERA	C419	HCBK104KBA	50V X7R 0.1MF K 1608		70	IC REGULATOR	IC411	1AME1117CC	AME1117CCCT (TO-252)	
19	C CHIP CERA	C420	HCQK330JBA	50V CH 33PF J 1608		71	JACK ATAPI	JK401	9736324700	40P ATAPI	
20	C CHIP CERA	C421~423	HCBK104KBA	50V X7R 0.1MF K 1608		72	COIL CHIP	L401	HLC279J03A	2.7UH CHIP 3216	
21	C ELECTRO	C424	CEXF1E101E	25V RM 100MF (6.3X11) TP		73	COIL CHIP	L402~407	HLC189J02A	1.8UH CHIP 3216	
22	C CHIP CERA	C425~429	HCBK104KBA	50V X7R 0.1MF K 1608		74	CONN WAFER	PN401	9728810700	2.0MM PH-11AW 11P	
23	C ELECTRO	C430	CEXF1E101E	25V RM 100MF (6.3X11) TP		75	CONN WAFER	PN402	9728810800	2.0MM PH-4A 4P	
24	C CHIP CERA	C431~434	HCBK104KBA	50V X7R 0.1MF K 1608		76	CONN AS	PN403	9728810100	#24 P2.0 5P 120MM UL 1007	
25	C CHIP CERA	C437~441	HCQK150JBA	50V CH 15PF J 1608		77	CABLE ATAPI	PN404	9728811100	ATAPI CABLE 40P 250MM	
26	C CHIP CERA	C442	HCBK104KBA	50V X7R 0.1MF K 1608		78	R CHIP	R401~402	HRFT472JBA	1/10 4.7K OHM J 1608	
27	C ELECTRO	C443	CEXF1E101E	25V RM 100MF (6.3X11) TP		79	R CHIP	R404	HRFT472JBA	1/10 4.7K OHM J 1608	
28	C CHIP CERA	C444~446	HCBK104KBA	50V X7R 0.1MF K 1608		80	R CHIP	R405	HRFT181JBA	1/10 180 OHM J 1608	
29	C CHIP CERA	C447~458	HCQK150JBA	50V CH 15PF J 1608		81	R CHIP	R406~411	HRFT472JBA	1/10 4.7K OHM J 1608	
30	C ELECTRO	C459	CEXF1E101E	25V RM 100MF (6.3X11) TP		82	R CHIP	R412	HRFT102JBA	1/10 1K OHM J 1608	
31	C CHIP CERA	C460~461	HCBK104KBA	50V X7R 0.1MF K 1608		83	R CHIP	R413~416	HRFT103JBA	1/10 10K OHM J 1608	
32	C ELECTRO	C462	CEXF1E101E	25V RM 100MF (6.3X11) TP		84	R CHIP	R420	HRFT229JCA	1/10 2.2 OHM J 2012	
33	C CHIP CERA	C467	HCQK221JBA	50V CH 220PF J 1608		85	R CHIP	R422	HRFT330JBA	1/10 33 OHM J 1608	
34	C CHIP CERA	C468	HCQK330JBA	50V CH 33PF J 1608		86	R CHIP	R423	HRFT472JBA	1/10 4.7K OHM J 1608	
35	C CHIP CERA	C469	HCQK221JBA	50V CH 220PF J 1608		87	R CHIP	R424	HRFT330JBA	1/10 33 OHM J 1608	
36	CLECTRO	C470	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		88	R CHIP	R425	HRFT220JBA	1/10W 22 OHM J 1608	
37	C CHIP CERA	C473	HCBK104KBA	50V X7R 0.1MF K 1608		89	R CHIP	R426~427	HRFT330JBA	1/10 33 OHM J 1608	
38	C ELECTRO	C474	CEXF1E101E	25V RM 100MF (6.3X11) TP		90	R CHIP	R428	HRFT820JBA	1/10 82 OHM J 1608	
39	C CHIP CERA	C475~477	HCBK104KBA	50V X7R 0.1MF K 1608		91	R CHIP	R429	HRFT562JBA	1/10 5.6K OHM J 1608	
40	C ELECTRO	C478	CEXF1E101E	25V RM 100MF (6.3X11) TP		92	R CHIP	R430	HRFT102JBA	1/10 1K OHM J 1608	
41	C CHIP CERA	C479	HCQK221JBA	50V CH 220PF J 1608		93	R CHIP	R431	HRFT220JBA	1/10W 22 OHM J 1608	
42	C CHIP CERA	C480	HCQK330JBA	50V CH 33PF J 1608		94	R CHIP	R432	HRFT102JBA	1/10 1K OHM J 1608	
43	C CHIP CERA	C481	HCQK221JBA	50V CH 220PF J 1608		95	R CHIP	R433~434	HRFT220JBA	1/10W 22 OHM J 1608	
44	CLECTRO	C482	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		96	R CHIP	R435~436	HRFT820JBA	1/10 82 OHM J 1608	
45	C CHIP CERA	C483	HCQK221JBA	50V CH 220PF J 1608		97	R CHIP	R437	HRFT220JBA	1/10W 22 OHM J 1608	
46	C CHIP CERA	C484	HCQK330JBA	50V CH 33PF J 1608		98	R CHIP	R449	HRFT101JBA	1/10 100 OHM J 1608	
47	C CHIP CERA	C485	HCQK221JBA	50V CH 220PF J 1608		99	R CHIP	R453~454	HRFT470JBA	1/10 47 OHM J 1608	
48	CLECTRO	C486	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		100	R CHIP	R457	HRFT000-BA	1/10 0 OHM 1608	
49	C CHIP CERA	C487	HCQK221JBA	50V CH 220PF J 1608		101	R CHIP	R458~466	HRFT472JBA	1/10 4.7K OHM J 1608	
50	C CHIP CERA	C488	HCQK330JBA	50V CH 33PF J 1608		102	R CHIP	R469~471	HRFT472JBA	1/10 4.7K OHM J 1608	
51	C CHIP CERA	C489	HCQK221JBA	50V CH 220PF J 1608		103	R CHIP	R472	HRFT103JBA	1/10 10K OHM J 1608	
52	CLECTRO	C490	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		104	R CHIP	R473	HRFT402FBA	1/10 4.0K OHM F 1608(1%)	
53	C CHIP CERA	C491	HCQK221JBA	50V CH 220PF J 1608		105	R CHIP	R474~475	HRFT101JBA	1/10 100 OHM J 1608	
54	C CHIP CERA	C492	HCQK330JBA	50V CH 33PF J 1608		106	R CHIP	R476~481	HRFT750JBA	1/10 75 OHM J 1608	
55	C CHIP CERA	C493	HCQK221JBA	50V CH 220PF J 1608		107	R ARRAY	RA401~402	HRTT8X103J	MNR 14X0ABJ 470 (10KX4)	
56	CLECTRO	C494	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		108	R ARRAY	RA403	HRTT8X472J	MNR 14X0ABJ 470 (4.7KX4)	
57	C CHIP CERA	C495	HCQK221JBA	50V CH 220PF J 1608		109	R ARRAY	RA404~406	HRTT8X181J	MNR 14X0ABJ 470 (180X4)	
58	C CHIP CERA	C496	HCQK330JBA	50V CH 33PF J 1608		110	R ARRAY	RA406~410	HRTT8X220J	MNR 14X0ABJ 470 (22X4)	
59	C CHIP CERA	C497	HCQK221JBA	50V CH 220PF J 1608		111	X-TAL	X401	5XE16M000J	16MHZ HC-49/U (RADIAL)	
60	CLECTRO	C498	CEXF1C221E	RM 16V 220MF 6.3X11 TAT		112	X-TAL	X402	5XE27M000C	27MHZ HC-49/U 20PPM 30PF	
61	IC MICOM	IC401	1C1610----	C1610		1	PCB POWER SW AS	19000	9CDC0593D0	DV-115	
62	IC DECODER	IC402	1ZR36710--	ZR36710 DFP		2	PCB POWER SW	B001	9CD6583505	242X329	
63	IC SDRAM	IC403	1HY57V1616	HY57V1616		3	C CERA AC	C991	CH1BFE472M	4.0KV 4700PF M SD AC250V	
64	IC ROM	IC404~405	1A290021L-	A290021L		4	CONN WAFER	CP993	9728808200	VH-3A (W/O CENTER,RED)	
65	IC SRAM	IC406	11S61C1024	IS61C1024/L		5	SW POWER SPST	S991	5S40101369	SDDL-005-S PUSH	
66	IC EEPROM	IC407	1XC24C02--	XC24C02		1	PCB REG AS	12000	9CDC0589B0	DV-115	

13. Electrical Parts List

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NO	PART-NAME	LOCATION	PART-CODE	PART-DESC	REMARKS
2	PCB REGURATOR	B001	9CD6583602	247X330	
3	C ELECTRO	C734	CEXF1C471V	16V RSS 470MF (10X12.5)BK	
4	C CERA	C735	CCXF1H104Z	50V F 0.1MF Z	
5	C ELECTRO	C738	CEXF1C471V	16V RSS 470MF (10X12.5)BK	
6	C CERA	C739	CCXF1H104Z	50V F 0.1MF Z	
7	CONN WAFER	CN701	9728808700	2.0MM PH-8A 8P	
8	IC REGULATOR	IC706~707	1K1A7805AP	K1A7805AP	
9	TR	Q731~732	TZTA1046Y-	KTA1046Y	
10	R METAL FILM	R727~728	RN-4Z100J-	1/4 10 OHM J	
1	PCB VIDEO AS	11000	9CDC0589A0	DV-115	
2	PCB VIDEO	B001	9CD6583601	247X330	
3	C CERA	C851	CZCH1H101J	CH 50V 100PF J AXL 52MM	
4	C CERA	C852~853	CCXF1H103Z	50V F 0.01MF Z (TAPPING)	
5	C ELECTRO	C854~856	CEXF1E470E	25V RM 47MF (5X11)	
6	C ELECTRO	C857~858	CEXF1A471E	10V RM 470ME (6.3X11)	
7	C ELECTRO	C867	CEXF1E101E	25V RM 100MF (6.3X11) TP	
8	C CERA	C868	CCXF1H473Z	50V F 0.047MF Z (TAPPING)	
9	CONN AS	CP851	9728810300	#26 P2.0 11P 220MM UL1007	
10	CONN WAFER	CP852	9728808600	2.0MM PH-6AW 6P	
11	DIODE	D851~855	DZN4148---	1N4148 AUTO 52MM	
12	IC SWITCH	IC851	1LA7952---	LA7952	
13	JACK RCA	JA851	9736323700	JE0200596N	
14	JACK S VIDEO	JA852	9736324000	C50160272N	
15	JACK RCA	JA853	9736323800	JE0301645N	
16	JACK RCA	JA854	9736323900	JE0301645G	
17	TR	Q851~852	TZTC3199Y-	KTC-3199Y TAPING	
18	TR	Q853~854	TKRC107M--	KRC107-M TAPPING(KSR1006)	
19	R CARBON FILM	R851	RD-AZ104J-	1/6 100K OHM J	
20	R CARBON FILM	R852	RD-AZ221J-	1/6 220 OHM J	
21	R CARBON FILM	R853~855	RD-AZ750J-	1/6 75 OHM J	
22	R CARBON FILM	R856	RD-AZ680J-	1/6 68 OHM J	
23	R CARBON FILM	R857	RD-AZ473J-	1/6 47K OHM J	
24	R CARBON FILM	R858	RD-AZ391J-	1/6 390 OHM J	
25	R CARBON FILM	R859	RD-AZ680J-	1/6 68 OHM J	
26	R CARBON FILM	R860	RD-AZ473J-	1/6 47K OHM J	
27	R CARBON FILM	R861	RD-AZ391J-	1/6 390 OHM J	
28	R CARBON FILM	R862	RD-AZ473J-	1/6 47K OHM J	
29	R CARBON FILM	R878	RD-AZ332J-	1/6 3.3K OHM J	