



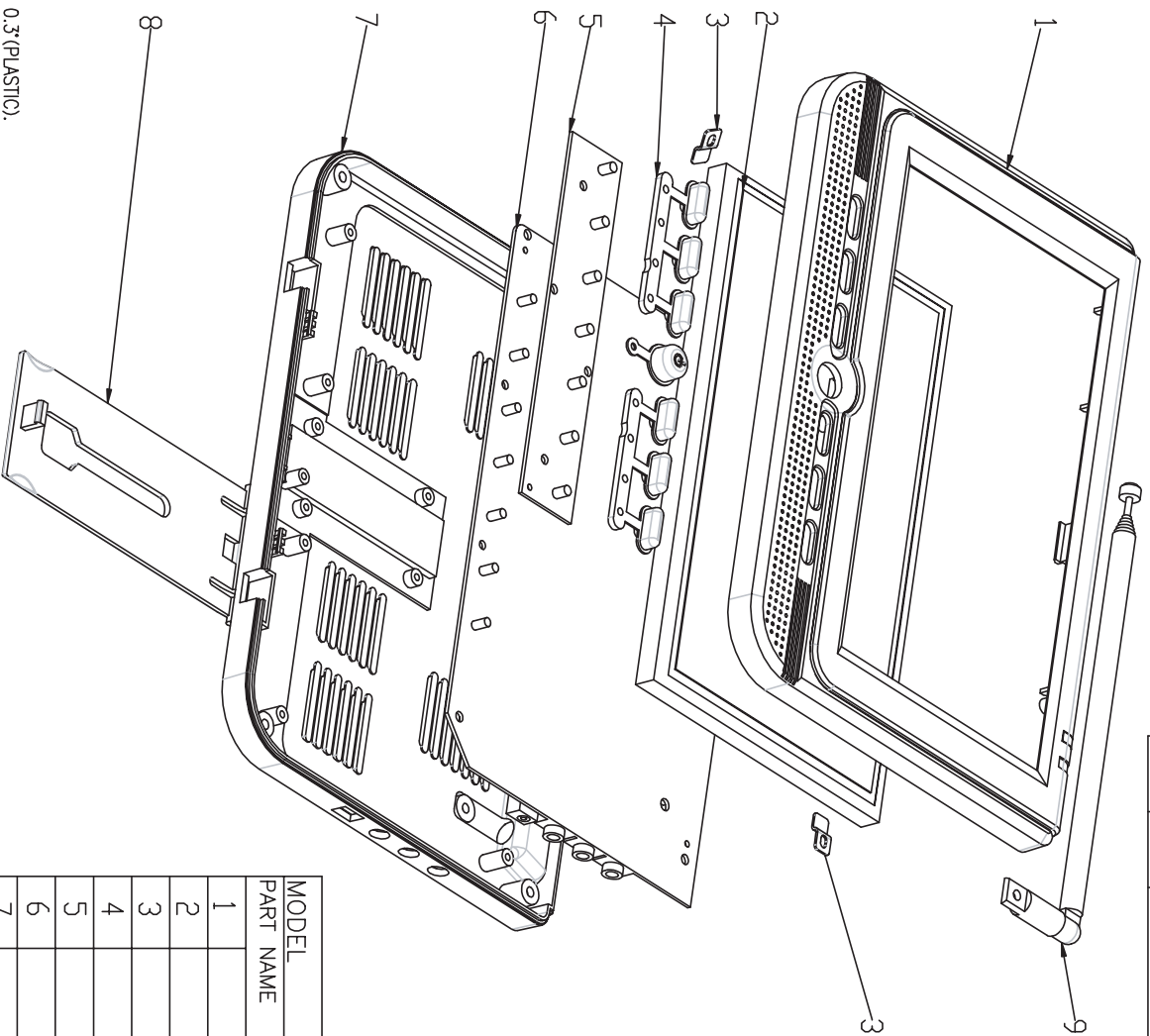
**AKAI**

**CAR TFT LCD COLOR TV-SET**

Model:  
ATF-710

**SERVICE MANUAL**

REV. ZONE	REASONS	DATE	CHK	APPD



- \* NOTICE:
1. U.O.S. GEN. TOLERANCES  $\pm 0.1$ , ANGLE  $\pm 0.3$ (PLASTIC).
  2. ALL CORNERS SHOULD BE R0.3 UNLESS SPECIFIED(PLASTIC).
  3. ALL BENDINGS ARE 90° UNLESS SPECIFIED(METAL).
  4. NO SCRATCH AND DEFORMED ON THE SURFACE OF THE PRODUCT.

MODEL	7038 (8068)
PART NAME	
1	UPPER COVER
2	TFT
3	SLICESF IRON
4	BUTTON
5	KEYPCB
6	PCB
7	LOWER COVER
8	SUPPORT
9	ANTENNA

A B C D E F G  
 A B C D E  
 FILE NO:

## BILL OF MATERIAL

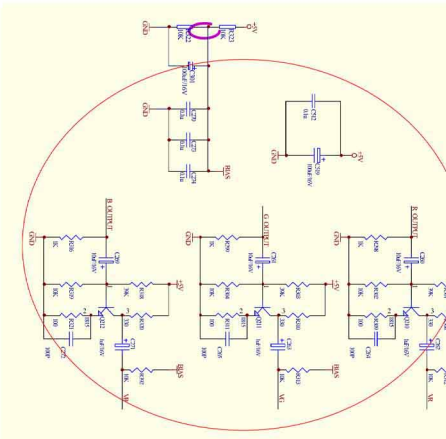
NO.	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	PCB	TFT.7#-780(2007.5.5)	1	
2	Chip Resistor	4.7 $\Omega$	2	
3	Chip Resistor	18 $\Omega$	4	
4	Chip Resistor	47 $\Omega$	2	
5	Chip Resistor	56 $\Omega$	4	
6	Chip Resistor	75 $\Omega$	1	
7	Chip Resistor	100 $\Omega$	27	
8	Chip Resistor	220 $\Omega$	1	
9	Chip Resistor	330 $\Omega$	5	
10	Chip Resistor	560 $\Omega$	5	
11	Chip Resistor	1K	11	
12	Chip Resistor	2.2K	2	
13	Chip Resistor	4.7K	23	
14	Chip Resistor	5.6K	1	
15	Chip Resistor	6.2K	1	
16	Chip Resistor	6.8K	1	
17	Chip Resistor	8.2K	2	
18	Chip Resistor	10K	25	
19	Chip Resistor	15K	1	
20	Chip Resistor	18K	1	
21	Chip Resistor	27K	1	
22	Chip Resistor	30K	3	
23	Chip Resistor	39K	5	
24	Chip Resistor	47K	4	
25	Chip Resistor	100K	4	
26	Chip Resistor	180K	1	
27	Chip Resistor	1M	1	
28	Variable Resistor	50K	1	
29	Chip Capacitor	27P	2	
30	Chip Capacitor	33P	4	
31	Chip Capacitor	47P	2	
32	Chip Capacitor	100P	4	
33	Chip Capacitor	330P	4	
34	Chip Capacitor	222P	2	
35	Chip Capacitor	103P	2	
36	Chp Capacitor	104P	71	
37	Chip Capacitor	474P	4	
38	Chip Capacitor	105P	7	
39	Chip Capacitor	105P	6	
40	Electrolytic Capacitor	10UF/16V	7	

NO.	"DESCRIPTION"	"SPECIFICATION"	"QTY"	"REMARK"
41	Electrolytic Capacitor	47UF/16V	3	
42	Electrolytic Capacitor	10UF/25V	3	
43	Electrolytic Capacitor	100UF/16V	6	
44	Electrolytic Capacitor	220UF/16V	4	
45	Electrolytic Capacitor	330UF/16V	5	
46	Chip Inductance	39UH	1	
47	Chip Inductance	10UH	2	
48	Chip Inductance	2.2UH	1	
49	Chip Resistor	0R	1	
50	Chip Inductance	47UH/1A	2	
51	E. Inductance	100UH/1A	1	
52	Chip Inductance	3.3UH	2	
53	Magnetic Chip Inductance	75	9	
54	Diode	IN5822	3	
55	Constant Voltage Tube	3.9V	1	
56	Constant Voltage Tube	12V	1	
57	Triode	AF2301P	2	
58	Triode	2N3904	2	
59	Triode	2SC1815C	9	
60	Triode	2SC8550C	1	
61	Diode	BAV99	6	
62	Crystal	12.000M	1	
63	IC	24C08	1	
64	IC	4052	1	
65	IC	ACT4060	2	
66	IC	GM1117-3.3V	1	
67	IC	HTV780-128	1	
68	IC	APA2822	1	
69	IC	M25P10	1	
70	IC	NJM3414A	1	
71	DC Socket	DC-003	1	
72	Earphone Socket		1	
73	Socket	AVAntenna	2	
74	Row Socket	26P row socket 0.5distance	1	
75	Tuner	6A tuner (PAL System)	1	
76	Socket	3 cores 2.0 distance	1	
77	Chip Backlight Socket	PN35-2P	1	
78			1	
79	Wires		2	
80	Wires		4	
81	Wires		1	
82	Wires		1	
83	Remote control sensor	5V power supply	1	
84	LED Indicator	Two colors (Red/Green)	1	

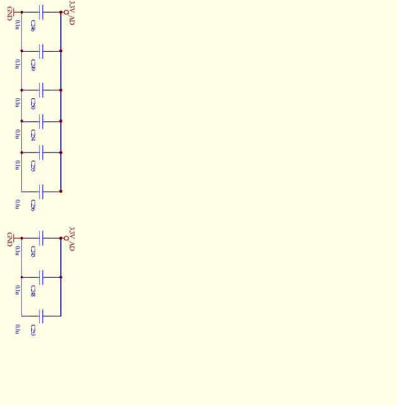
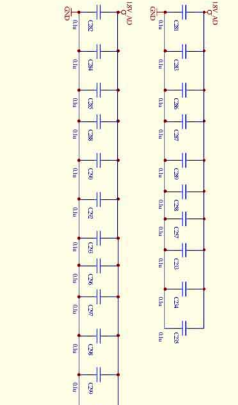
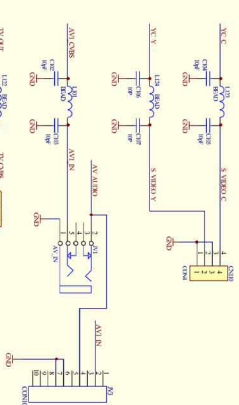
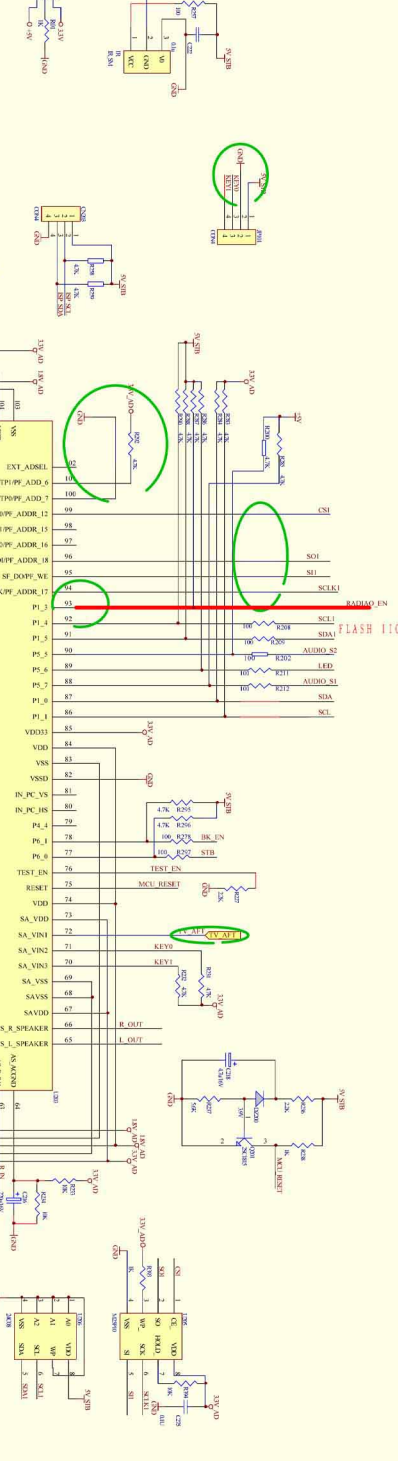
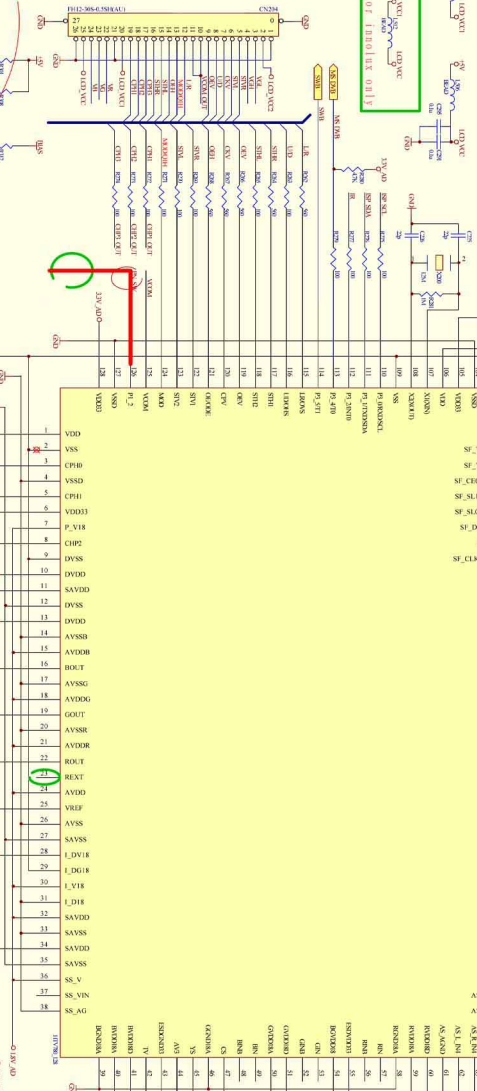
NO.	DESCRIPTION	SPECIFICATION	QTY	REMARK
100				
101	When use CCFL panel			
102	High voltage capacitor 250V/124J	1PCS C803		
103	Chip resistor 0603 1.2K	2PCS R801 R802		
	Chip resistor 0603 10K	1PCS R402		
104	Chip triode SOP 1005	2PCS Q801 Q802		
105	High voltage chip capacitor C-HV	39P/3KV 1PCS C801		
106	Transformer SOP TQJ T-2262	1PCS T801		
	Chip Resistor 0805 0Ω	1PCS R404		
107	E. Inductance 8*6MM	100UH/1A 1PCS L801		
108	E. Capacitor 8*7MM 330UF/16V	2PCS C802 C802A		
	Chip Capacitor C0603 104P	4PCS C804 C808 C814 C824		
109	Triode AF2301	1PCS Q804		
110	Chip Triode SOT23 2SC1815	1PCS Q803		
111				
112	PCB		1	For 7028 use
113	Switch	6*6*3MM	7	
114	PCB		1	For 7020 use
115	Switch	6*6*5MM	7	
116	PCB		1	For 7030 use
117	Switch	6*6*3MM	7	
118	PCB		1	For 7038 use
119	Switch	6*6*3MM	7	
120	Chip Resistor	1.2K	2	
121	Chip Resistor	3.3K	1	
122	Chip Resistor	8.2K	1	
123	Chip Resistor	24K	1	
124				
125	Chip Resistor	0.3R	6	
126	Chip Resistor	10R	1	
127	Chip Resistor	100R	1	
128	Chip Resistor	470R	1	
129	Chip Resistor	1K	5	
130	Chip Resistor	1K	2	
131	Chip Resistor	2K	1	
132	Chip Resistor	4.7K	1	
133	Chip Resistor	10K	2	
134	Chip Resistor	10K	2	
135	Chip Resistor	24K	1	
136	Chip Resistor	51K	1	
137	Chip Resistor	110K	1	
138	Chip Resistor	150K	2	
139	Accurate Chip Resistor	2K±0.5%	2	
140	Accurate Chip Resistor	150K±1%	2	

NO.	DESCRIPTION	SPECIFICATION	QTY	REMARK
140	Accurate Chip Resistor	150K±1%	2	
141	Chip Resistor	200K	1	
142	Chip Capacitor	33P	1	
143	Chip Capacitor	102P	1	
144	Chip Capacitor	104P	6	
145	Chip Capacitor	104P	5	
146	Chip Capacitor	105P	1	
147	Chip Triode	9013	3	
148	Chip Triode	9013	1	
149	Chip Triode	9012	1	
150	Chip Triode	9012	2	
151	Chip Diode	SR240	2	
152	Chip Diode	1N4148	1	
153	IC	HT7033	1	
154	IC	FDS4953	1	
155	IC	GT6316	1	
156	IC	S8242A	1	
157	IC	FDS9926A	1	
158	IC	KA431±0.4%	1	
159	Inductace	33UH	1	
160	Capacitor	100UF/16V	1	
161	Capacitor	100UF/25V	1	
162	Capacitor	47UF/25V	2	
163	Lithium Battery	465575	1	
164				
165	Poly Foam		1	
166	Poly Bag		1	
167	Gift Box	12V 1.5A out put 7MM small	1	
168	Power Supply	DC	1	
169	AV Cord		1	
170	Rating Label		1	
171	Screw 5	PWA3 * 14	4	
172	Stand Base		1	
173	Stand Film	EVA	1	
174	Remote Control		1	
175				
176	Superstructure of Stand		1	
177	Middle part of Stand		1	
178	Long axis of rotation		1	
179	Short axis of rotation		1	

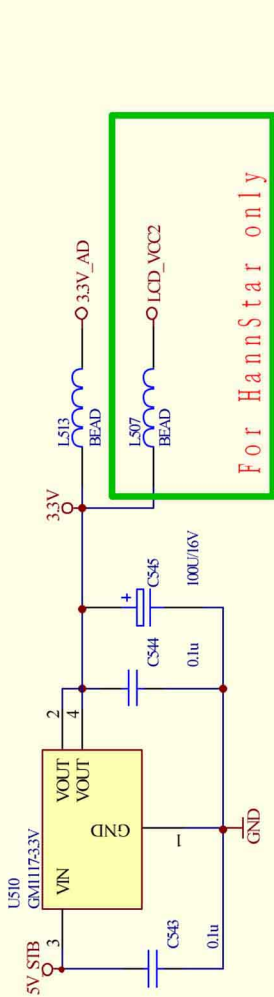
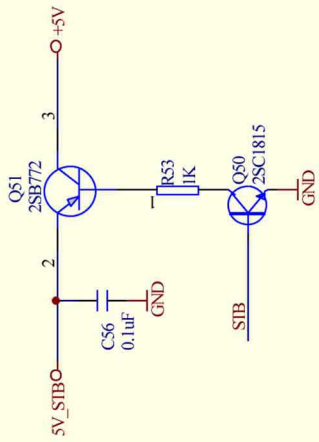
NO.	DESCRIPTION	SPECIFICATION	QTY	REMARK
180	Turntable		1	
181	Screw	2.6*8PWA	1	
182	Metal Stand		1	
183	M5 Circle Nut		1	
184	M6 Square Nut		1	
185	M6 Screw + Knob1		1	
186	M5 Screw + Knob 2		1	
187	M6 E Typed Meson		1	
188	Spring		1	
189	M4 Iron Mat		1	
190	Foam Rubber mat		1	
191	Circle spring		1	
192				
193	Front Cabinet	ABS	1	
194	Back Cabinet	ABS	1	
195	Knobs	ABS	1	
196	Sensor len	Transparent ABS	1	
197	Pull Out Antenna		1	
198	Panel Holder Plate 1	Electrolytic film	6	
199	Foam Rubber mat	6*6*2MM	6	
200	PVC	175*100MM	1	
201	PVC	25*20MM	1	
202	Black flannelet	15*25*0.5MM	1	
203	Screw	2.5*8PM	1	
204	Antnnawelding plate	Φ3.2	2	
205	Belt Clip	Black electrolytic film	1	
206	Speaker		2	
207	Speaker		2	
208	Screw	PA2.3*5	6	
209	Screw	PA2.3*5	5	
210	Screw	KBT2.3*6	4	
212	Screw	PA2.0*6	10	
213	Screw	PA2.0*6	7	
214	Screw	PA2.0*8	1	
215	Screw	PA2.0*6	9	
216	Screw	PA2.0*6	10	
217	Screw	PA2.0*6	9	
218	Screw	PA2.0*8	1	
219	Screw	PA2.3*10	4	
220	Screw	PA2.3*10	2	
221	Screw	PA2.3*8	2	
222	7"LED panel	26P panel	1	



**AU7**

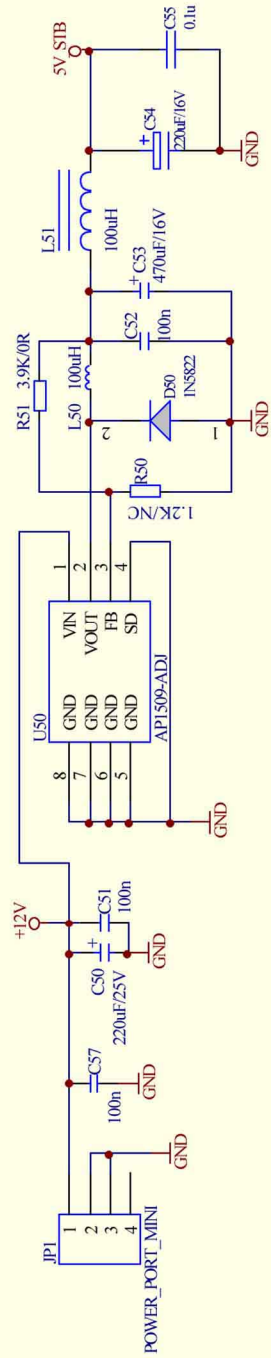
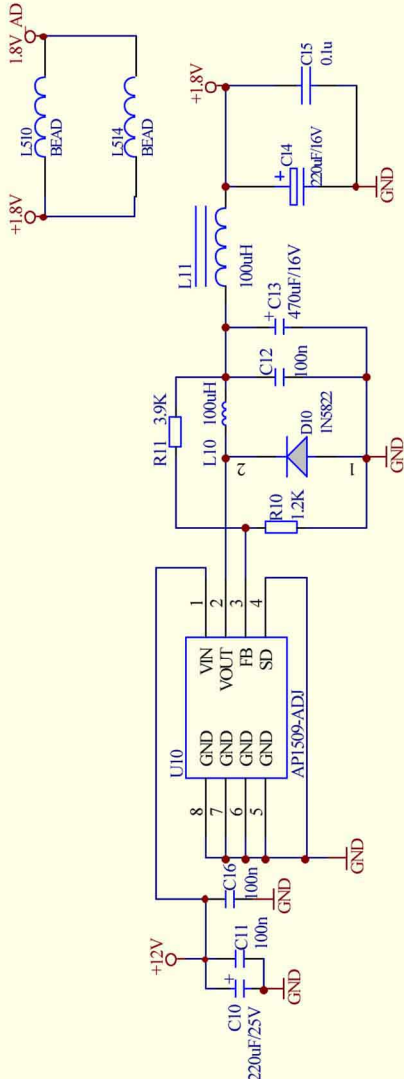
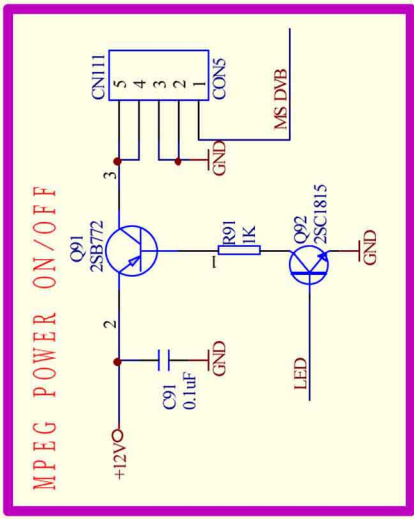




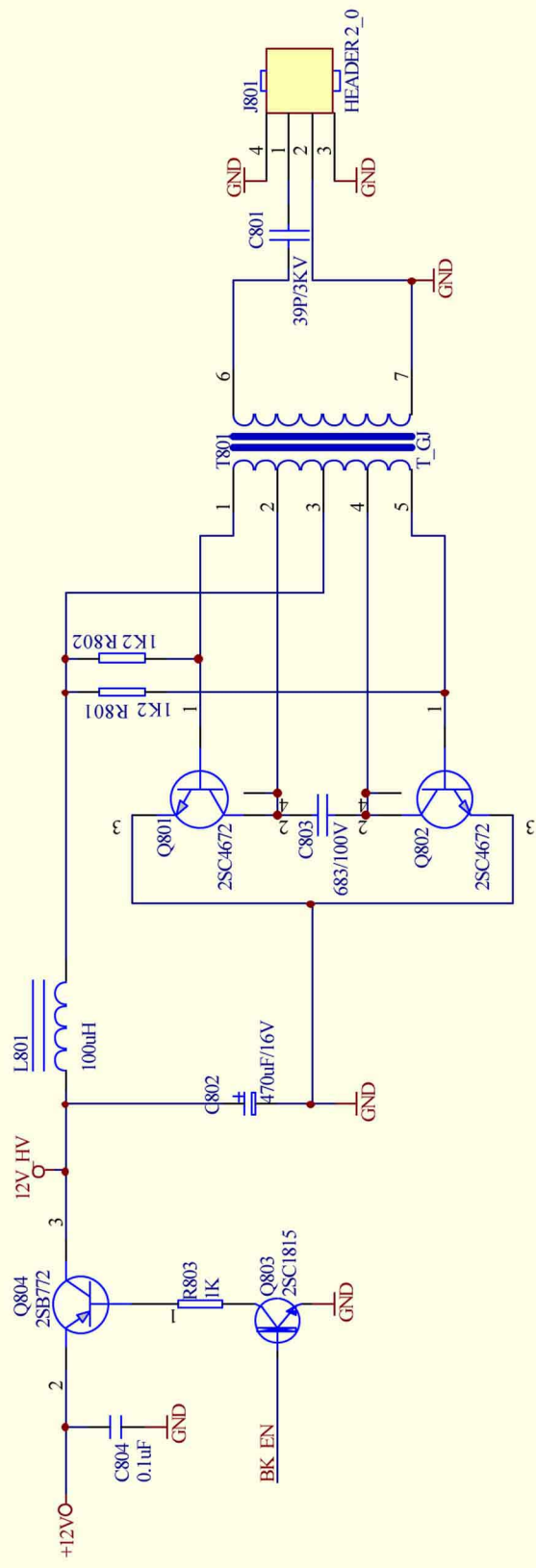


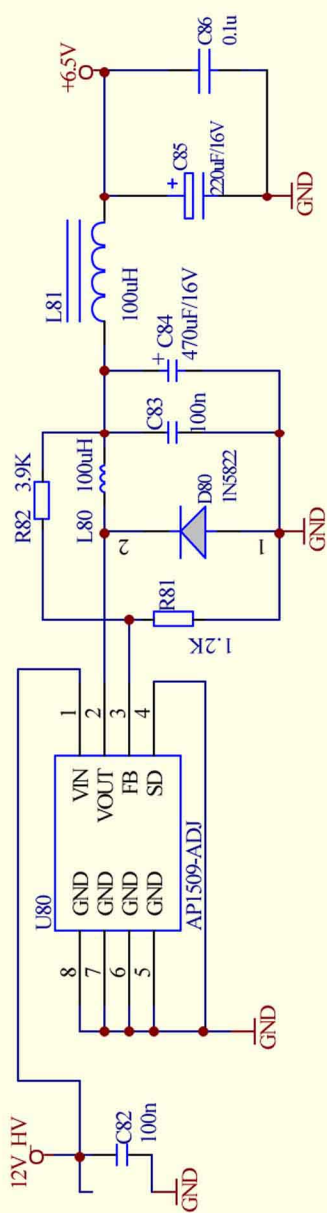
For HannStar only

MPEG POWER ON/OFF

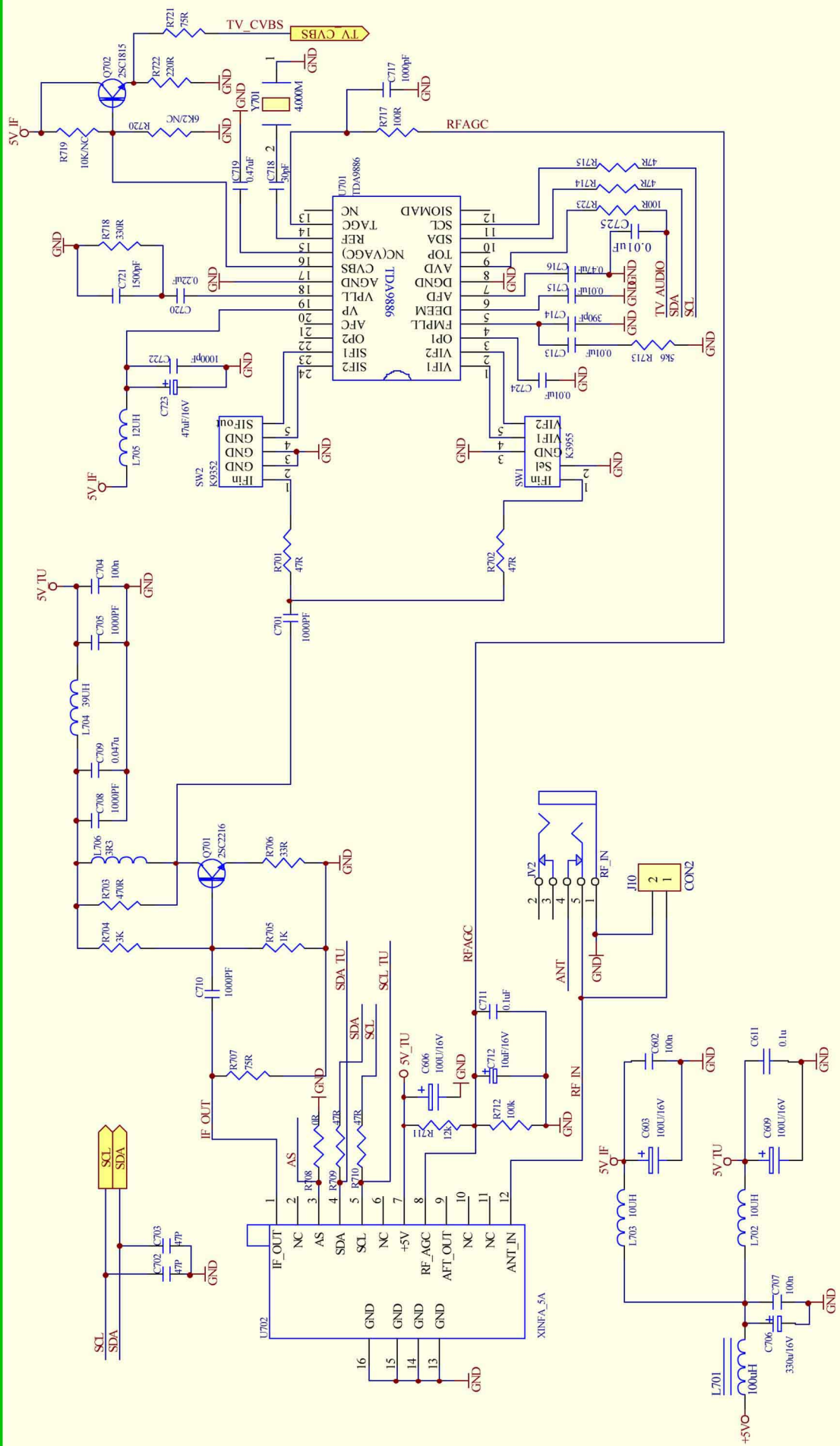


12V

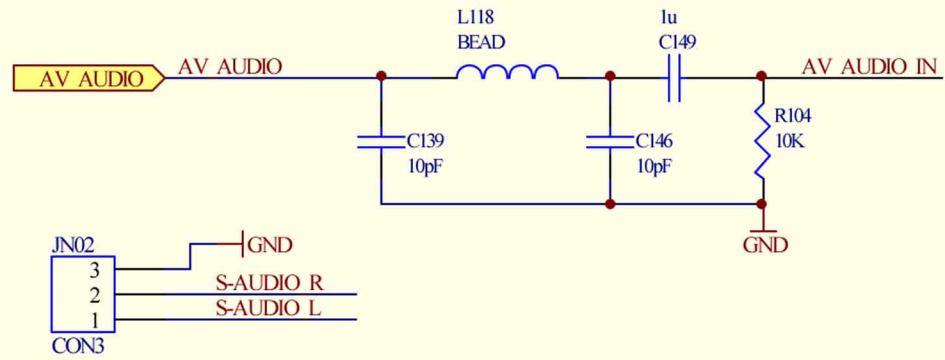
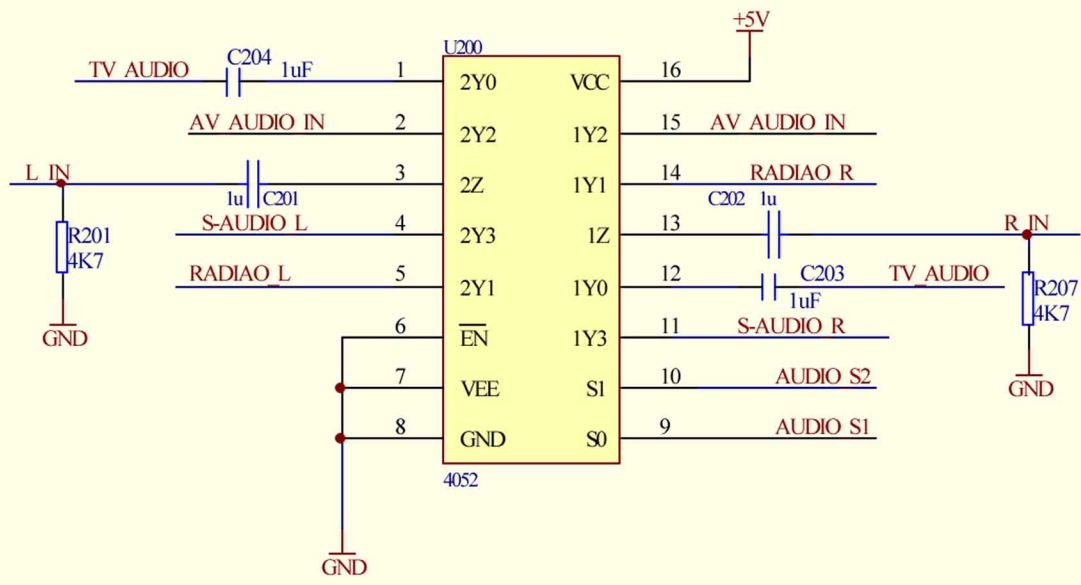




LED

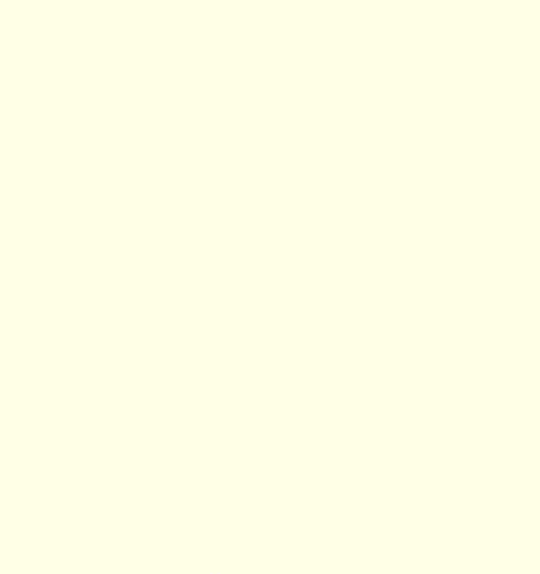
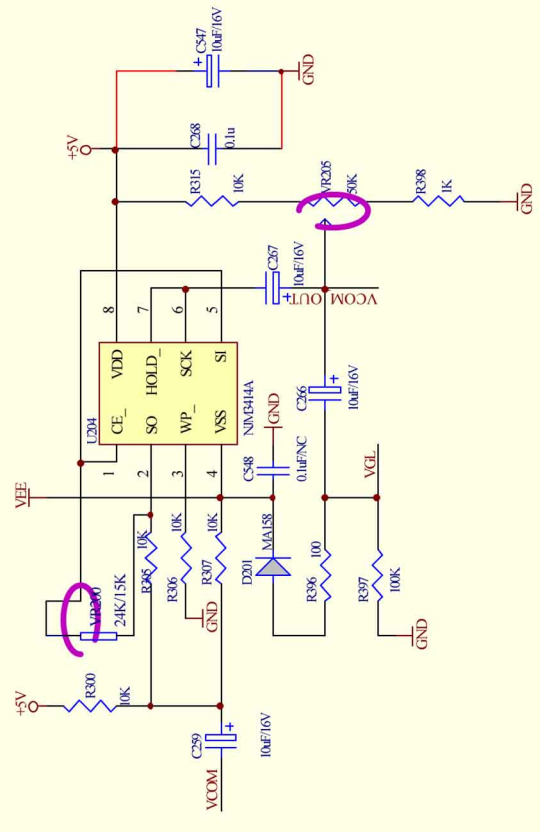
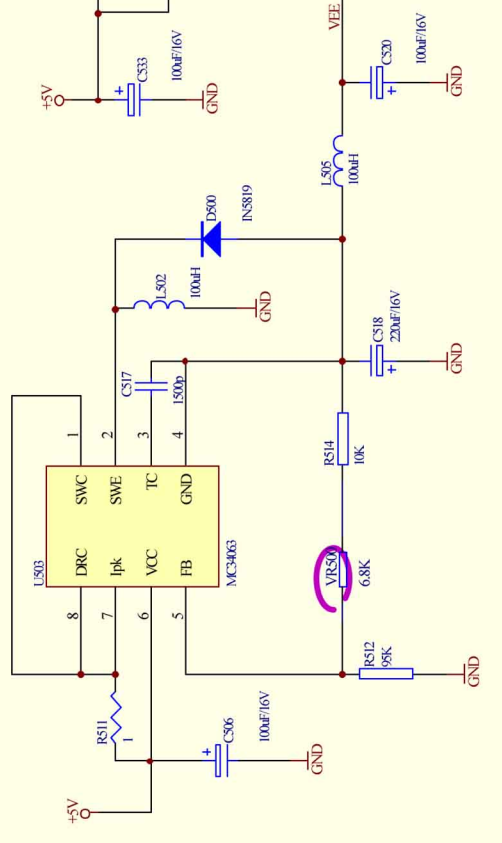
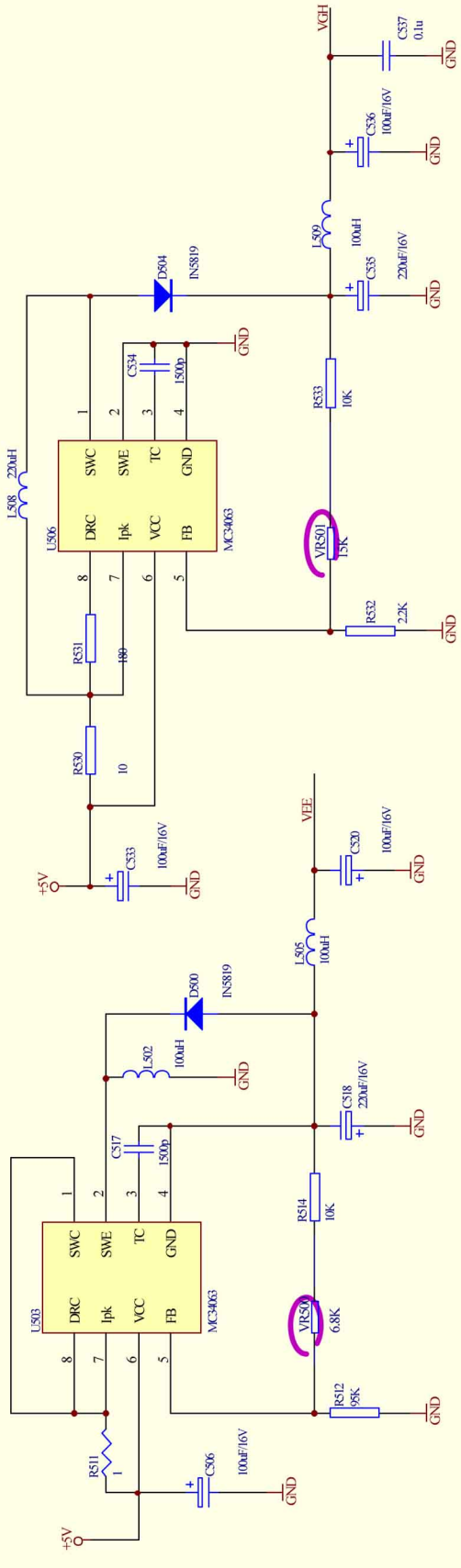


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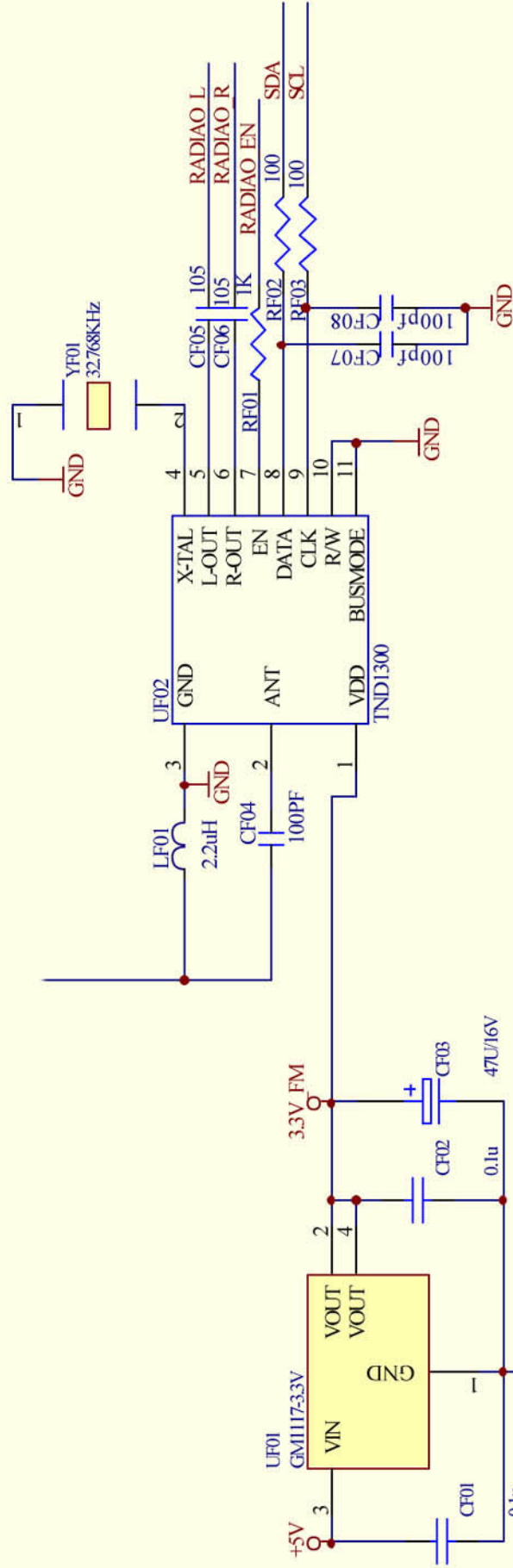


# AUDIO SWITCH





# VCOM AMP AND VGH/VGL



FM