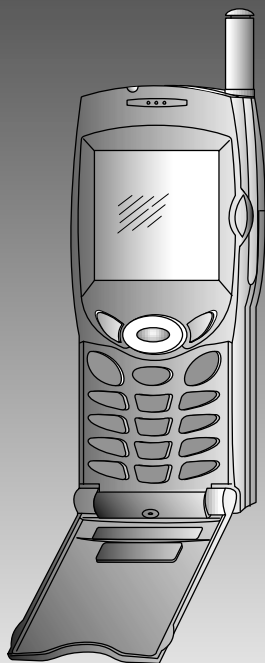




DUAL BAND Mobile Cellular Phone SGH-N300

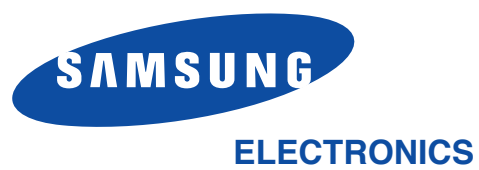
SERVICE Manual

DUAL BAND Mobile Cellular Phone



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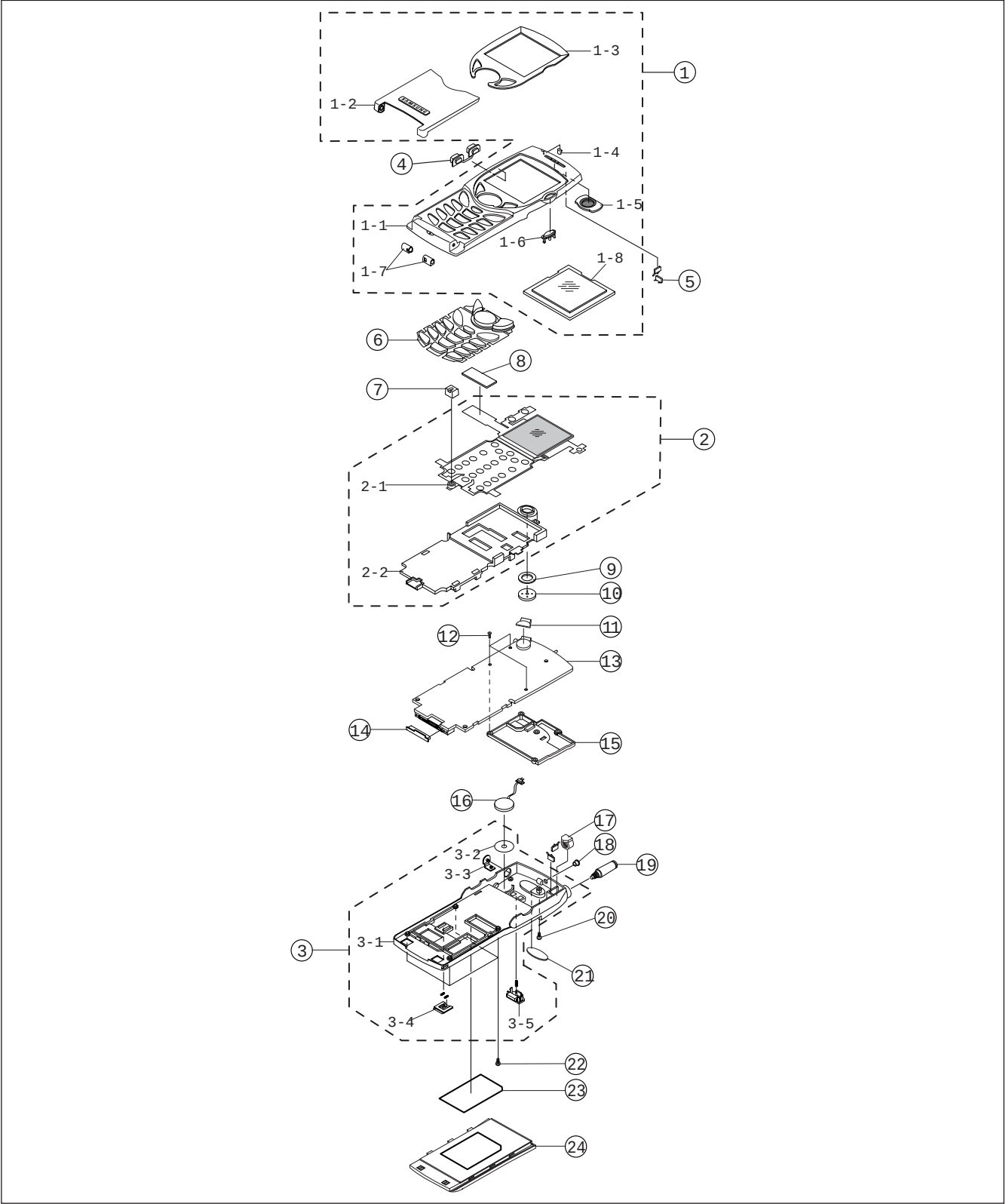
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1. Exploded Views and Parts List

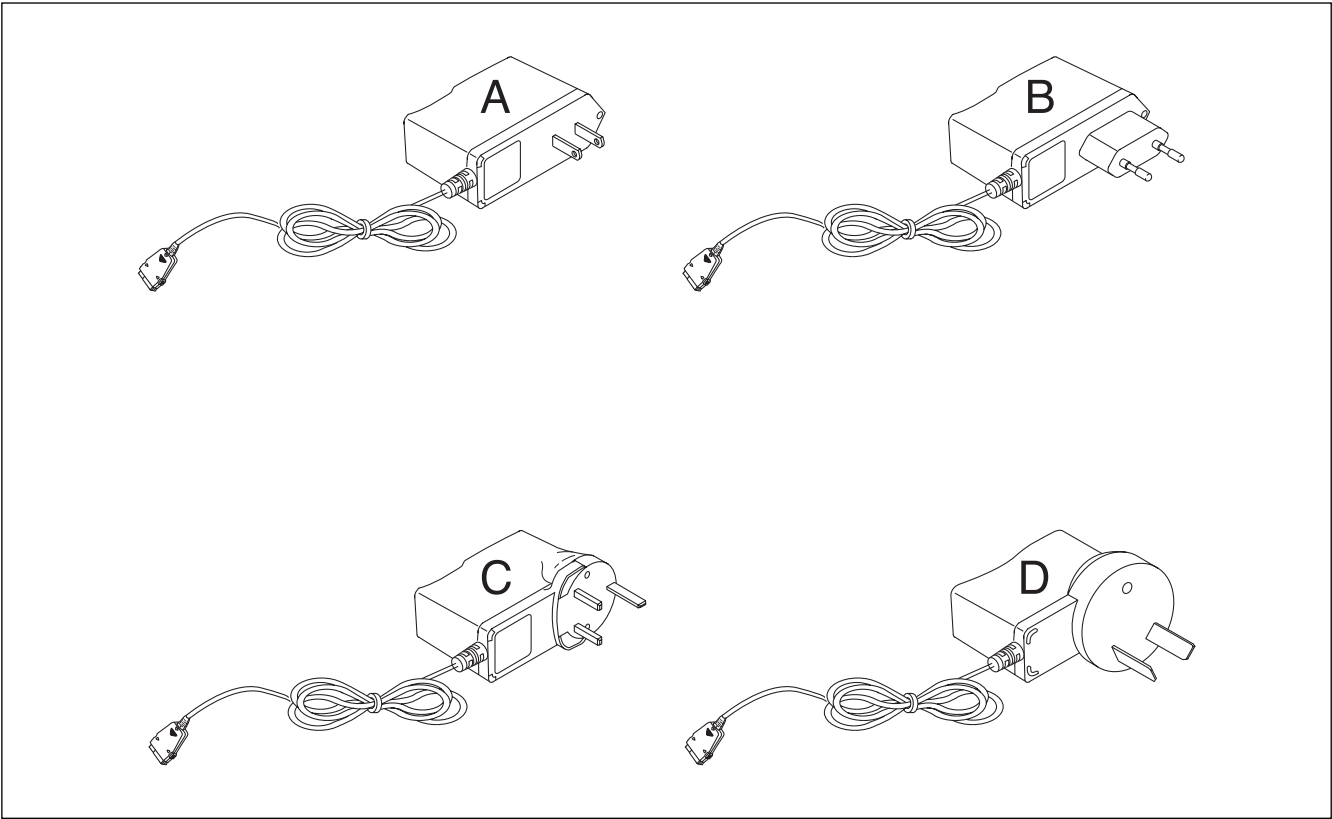
1-1 Main



1-2 Main Parts List

NO		SEC CODE	DESCRIPTION	COLOR	SVC	Q`TY	REMARKS
1		GH75-00757B	FRONT-COVER ASSY	SILVER		1	
	1-1	GH72-02228B	FRONT-COVER		SNA	1	
	1-2	GH75-00760B	FLIP-COVER ASSY			1	
	1-3	GH72-02229B	DUMMY-FRONT		SNA	1	
	1-4	GH72-01851A	REFLECTOR-LED		SNA	1	
	1-5	GH74-01369A	SPONGE-SPEAKER		SNA	1	
	1-6	GH72-01203B	WEB-KEY		SNA	1	
	1-7	GH75-00350A	HINGE-ASSY		SNA	1	
	1-8	GH72-01852A	WINDOW-LCD		SNA	1	
2		GH07-00070A	LCD-ASSY			1	
	2-1	3003-001025	MIC			1	
	2-2	GH72-01856A	SHIELD-FRONT		SNA	1	
3		GH75-00762A	REAR-COVER ASSY	D/GRAY		1	
	3-1	GH72-01855A	REAR-COVER		SNA	1	
	3-2	GH74-00466A	TAPE-MOTOR		SNA	1	
	3-3	GH73-00511A	COVER-EARPHONE		SNA	1	
	3-4	GH72-02364A	SIM-COVER			1	
	3-5	GH72-01205A	LOCKER-MAIN		SNA	1	
4		GH75-01076A	VOLUME-KEY ASSY			1	
5		GH71-10639A	STRIP-FINGER			4	
6		GH72-02230A	KEY-PAD			1	
7		GH73-00628A	HOLDER-MIC			1	
8		GH74-01329A	SPONGE-STIFFER			1	
9		GH74-01328A	SPONGE-SPEAKER			1	
10		3001-001192	SPEAKER			1	
11		GH73-00348B	HOLDER-BUZZER			1	
12		6001-001285	SCREW M1.4*3			3	
13		GH92-00981A	PBA			1	
14		GH73-00350A	RUBBER-CONNECTOR			1	
15		GH72-01858A	SHIELD-R/F			1	
16		GH31-00019A	VIBRATION			1	
17		GH71-00483A	BRACKET-ANT			1	
18		GH73-00079A	CAP-MOBILE			1	
19		GH42-00102A	ANTENNA			1	
20		6001-001345	SCREW M1.7*6			1	
21		GH75-00540C	LOGO-BADGE			1	
22		6001-001148	SCREW M2*5			4	
23		GH68-01777A	LABEL-MAIN			1	
24		GH43-00291A	BATTERY-STD			1	

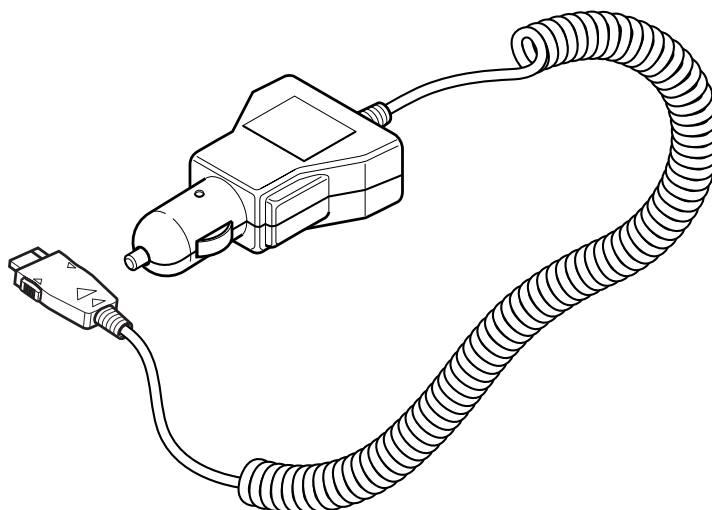
1-3 Travel Adapter



1-4 Travel Adapter Parts List

TYPE	SEC CODE	REMARK
A	GH44-00119C	CHINA
B	GH44-00119A	EUROPE
C	GH44-00119B	UNITED KINGDOM
D	Gh44-00119D	AUSTRALIA

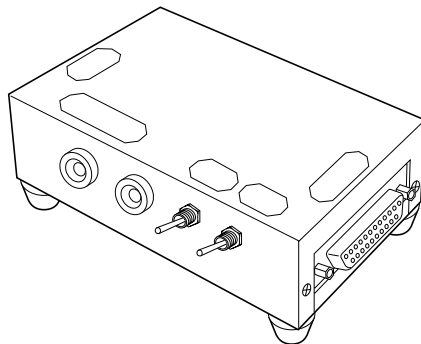
1-5 Ciger Light Adapter



1-6 Ciger Light Adapter Parts List

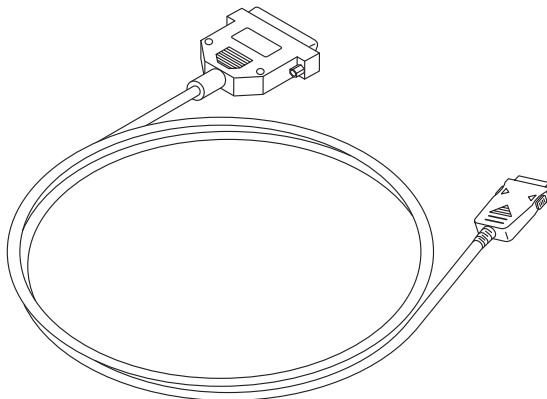
DESCRIPTION	SEC CODE	REMARK
Ciger Light Adapter	GH44-00040A	BLACK

1-7 Test Jig



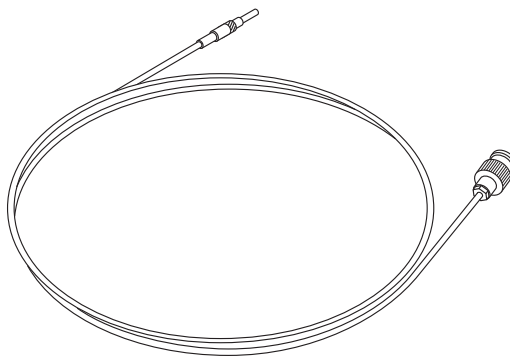
TEST JIG

GH80-10508A



TEST JIG CABLE

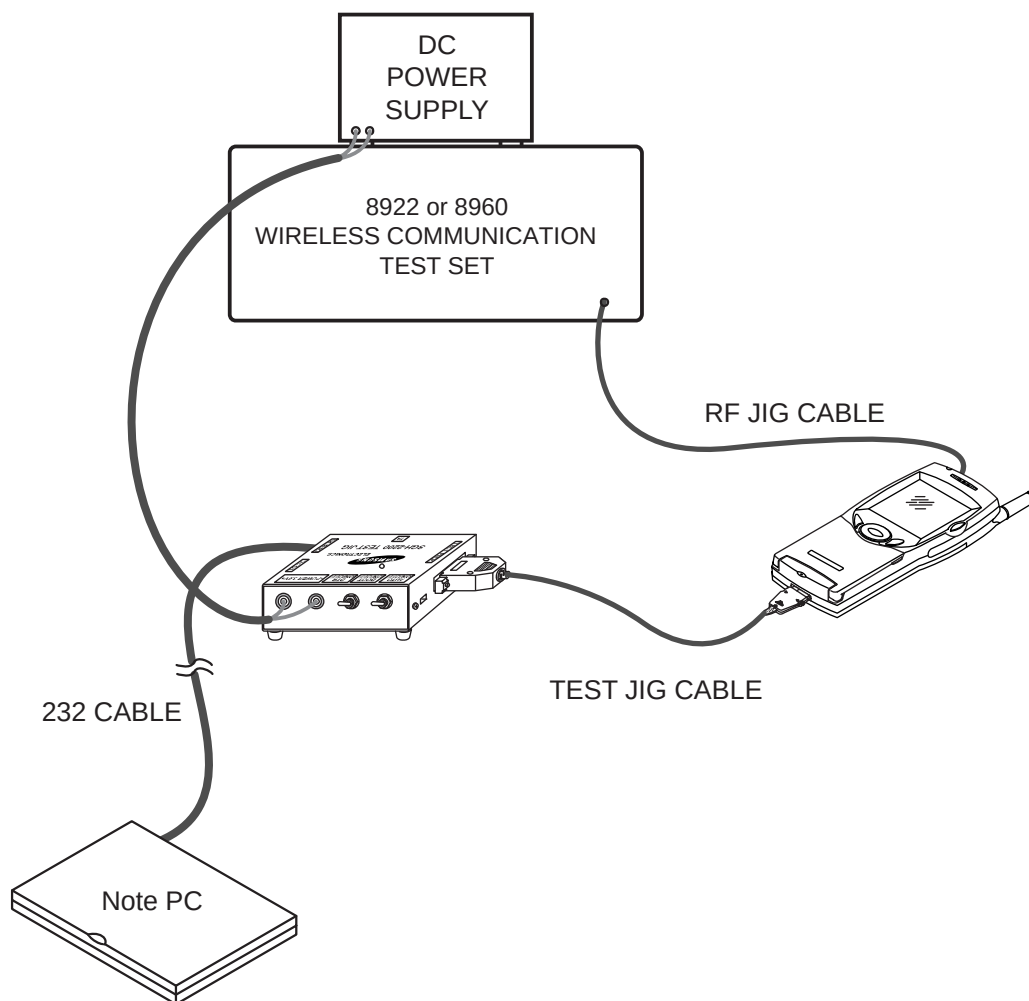
GH39-00081A



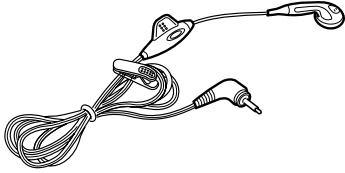
RF JIG CABLE

GH39-00002A

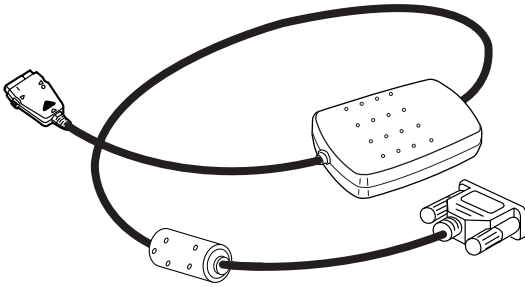
1-7-1 Test Jig



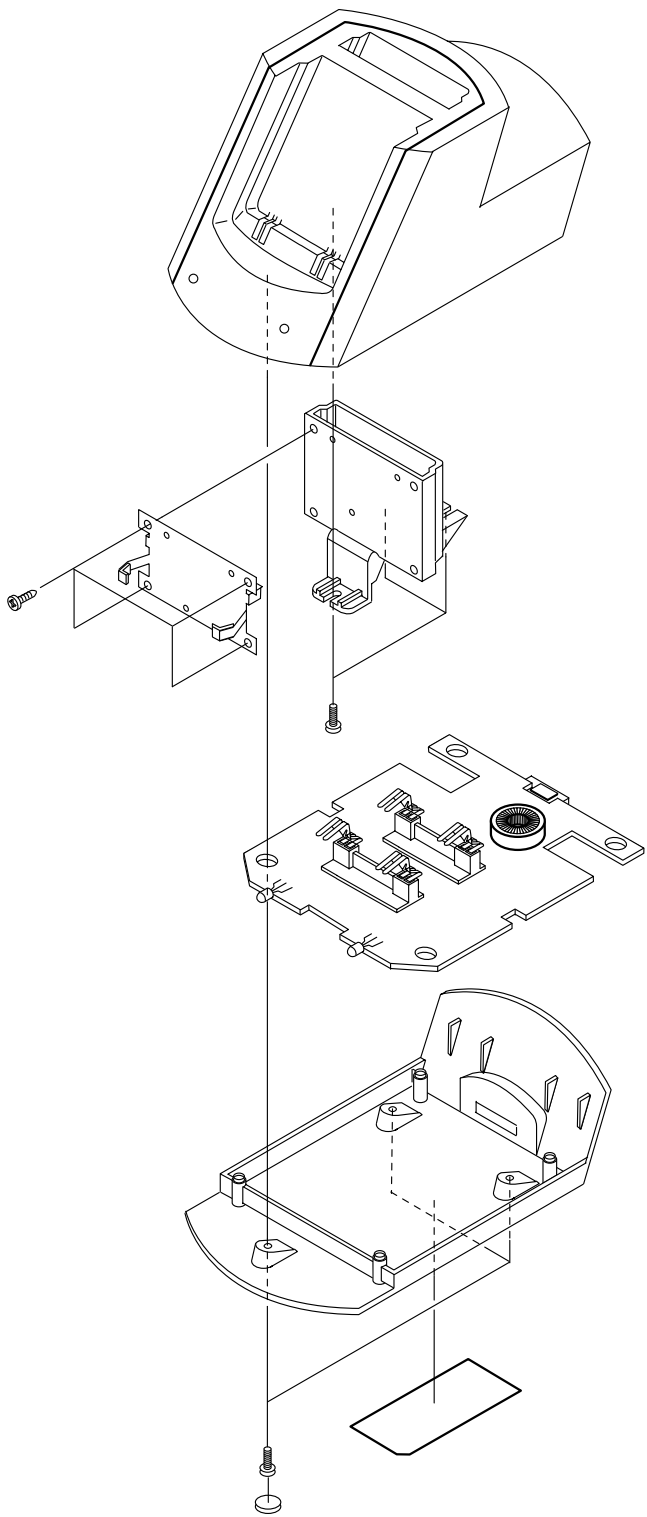
1-8 Earphone

	
EARPHONE	GH59-00225A

1-9 Data Kit

	
DATA KIT	GH39-30533A

1-10 Desk Top Charger



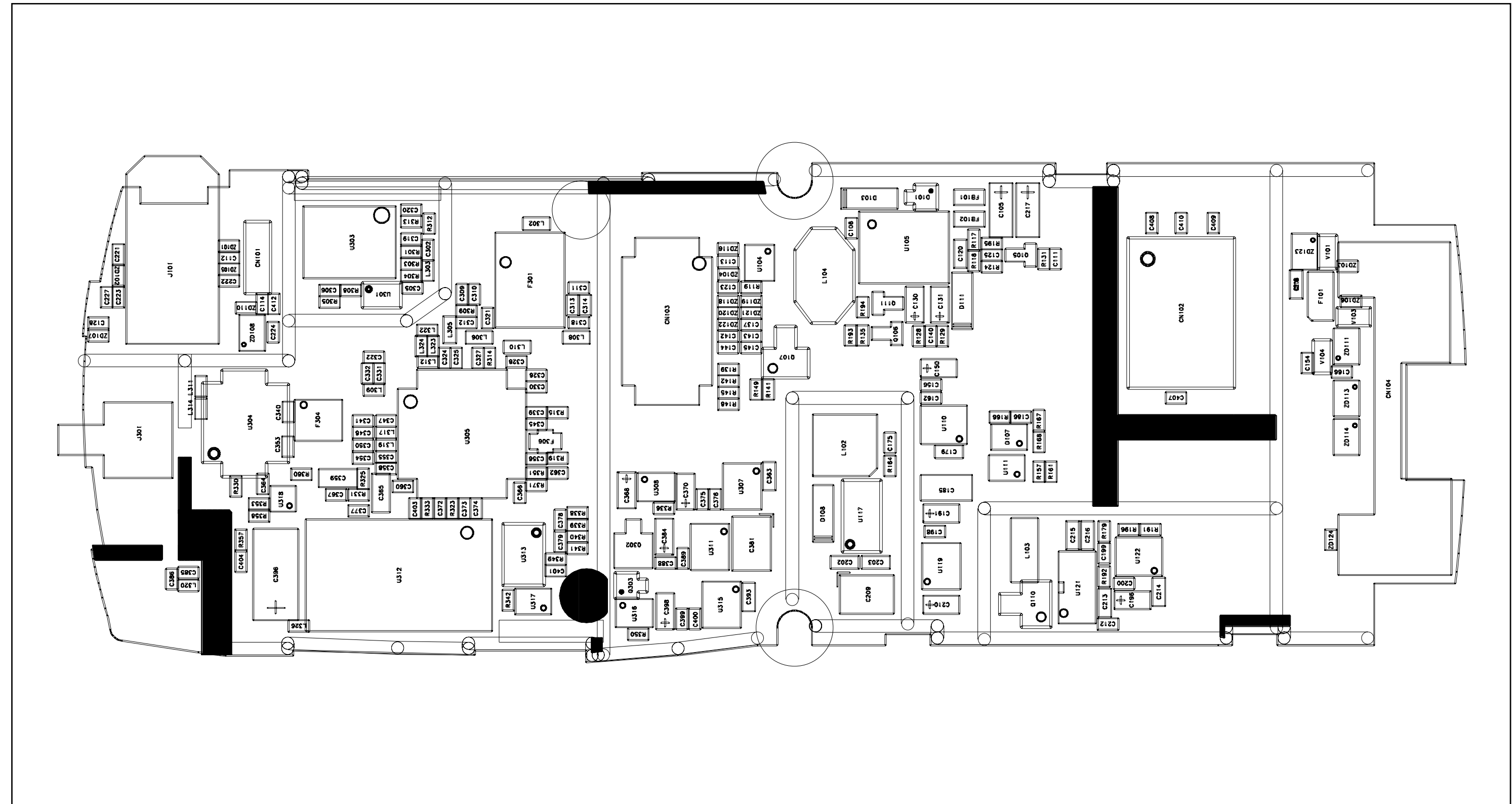
DESK TOP CHARGER

GH44-00206A

2-1 Main Top



2-2 Main Bottom



3. Electrical Parts List

3-1 Main Parts List Top

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
1	AU101	3002-001110	"BUZZER-MAGNETIC;92dB,3.6V,90mA,2630Hz,TP"	SMT-9403ECF
2	BAT101	4302-001119	"BATTERY-LI(2ND);3V,0.1MAH,-,3.1V,-"	RB4141106N
3	C101	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
4	C102	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
5	C103	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
6	C104	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
7	C106	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
8	C107	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
9	C109	2203-000278	"C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1005"	GRM36COG100D50PT
10	C110	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
11	C115	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
12	C116	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
13	C117	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
14	C118	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
15	C119	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
16	C121	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
17	C122	2203-005444	"C-CERAMIC,CHIP;0.003nF,0.1pF,50V,NP0,TP,1005"	GRM36COG030B50PT
18	C124	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
19	C129	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
20	C134	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
21	C135	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
22	C138	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
23	C141	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
24	C146	2203-005503	"C-CERAMIC,CHIP;0.18nF,5%,25V,NP0,TP,1005"	GRM36COG181J50PT
25	C147	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
26	C148	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
27	C149	2203-005503	"C-CERAMIC,CHIP;0.18nF,5%,25V,NP0,TP,1005"	GRM36COG181J50PT
28	C151	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
29	C152	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
30	C153	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
31	C155	2203-003054	"C-CERAMIC,CHIP;0.009nF,0.25pF,50V,NP0,TP,1005"	GRM36COG090C50PT
32	C157	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
33	C158	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
34	C159	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
35	C160	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
36	C161	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
37	C163	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
38	C164	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
39	C165	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
40	C168	2203-003054	"C-CERAMIC,CHIP;0.009nF,0.25pF,50V,NP0,TP,1005"	GRM36COG090C50PT
41	C169	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
42	C171	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
43	C173	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
44	C174	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
45	C176	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
46	C177	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
47	C178	2203-003054	"C-CERAMIC,CHIP;0.009nF,0.25pF,50V,NP0,TP,1005"	GRM36COG090C50PT
48	C180	2203-003054	"C-CERAMIC,CHIP;0.009nF,0.25pF,50V,NP0,TP,1005"	GRM36COG090C50PT
49	C181	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
50	C182	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
51	C183	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
52	C184	2203-005481	"C-CERAMIC,CHIP;47nF,10%,10V,X7R,TP,1005,-"	GRM36X7R473K10PT
53	C187	2203-005480	"C-CERAMIC,CHIP;33nF,10%,10V,X7R,TP,1005,-"	GRM36X7R333K10PT
54	C188	2203-005480	"C-CERAMIC,CHIP;33nF,10%,10V,X7R,TP,1005,-"	GRM36X7R333K10PT
55	C190	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
56	C192	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
57	C193	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
58	C197	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
59	C201	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
60	C204	2404-001162	"C-TA,CHIP;47uF,20%,4V,LZ,TP,3216"	F950G476MAAJZTQ2
61	C205	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
62	C208	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
63	C211	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
64	C301	2203-002525	"C-CERAMIC,CHIP;0.56nF,10%,50V,X7R,TP,1005"	GRM36X7R561K50PT
65	C303	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
66	C304	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
67	C307	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
68	C308	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
69	C315	2203-002525	"C-CERAMIC,CHIP;0.56nF,10%,50V,X7R,TP,1005"	GRM36X7R561K50PT
70	C316	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
71	C323	2203-001221	"C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1005,-"	GRM36X7R821K50PT
72	C333	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
73	C334	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
74	C335	2203-005450	"C-CERAMIC,CHIP;0.0056nF,0.1pF,50V,NP0,TP,1005"	GRM36COG5R6B50PT
75	C336	2203-005444	"C-CERAMIC,CHIP;0.003nF,0.1pF,50V,NP0,TP,1005"	GRM36COG030B50PT
76	C337	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
77	C338	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
78	C344	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
79	C348	2203-000425	"C-CERAMIC,CHIP;0.018nF,5%,50V,NP0,TP,1005"	GRM36COG180J50PT
80	C349	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
81	C351	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
82	C352	2203-005138	"C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,1005,-"	GRM36X7R182K50PT
83	C357	2203-001221	"C-CERAMIC,CHIP;820pF,10%,50V,X7R,TP,1005,-"	GRM36X7R821K50PT
84	C361	2203-001072	"C-CERAMIC,CHIP;0.056nF,5%,50V,NP0,TP,1005"	GRM36COG560J50PT
85	C369	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
86	C371	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
87	C382	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
88	C383	2203-000278	"C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1005"	GRM36COG100D50PT
89	C387	2203-000278	"C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1005"	GRM36COG100D50PT
90	C391	2203-001432	"C-CERAMIC,CHIP;47nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V473Z16PT
91	C392	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
92	C394	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
93	C395	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
94	C402	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
95	C406	2203-000585	"C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005,-"	CL05B221KBNC
96	C411	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
97	D102	0407-001002	"DIODE-ARRAY;DAN222,80V,300mA,CA2-3,EM3,TP"	DAN222
98	D104	0407-001002	"DIODE-ARRAY;DAN222,80V,300mA,CA2-3,EM3,TP"	DAN222
99	D110	0401-001033	"DIODE-SWITCHING;MCL4154,25V,200mA,M-MELF,TP"	MCL4154
100	D301	0404-001054	"DIODE-SCHOTTKY;HSMS-2805,70V,15mA,SOT-143,TP"	HSMS-2805-L31
101	F102	2901-001116	"FILTER-EMI SMD;50V,0.3A,-,470pF,2x1.25x0.5mm,TP"	NFM39R12C471T1
102	F103	2901-001116	"FILTER-EMI SMD;50V,0.3A,-,470pF,2x1.25x0.5mm,TP"	NFM39R12C471T1
103	F302	2904-001228	"FILTER-SAW;1.8425GHz,-,1805-1880MHz/1dB,TP,1805-18"	B4133
104	F303	2904-001226	"FILTER-SAW;942.5MHz,35MHz,925-960MHz/2dB,TP,925-96"	B4121
105	F305	2904-001272	"FILTER-SAW;1.8425GHz,75MHz,+/-37.5MHz/2.2dB,TP,+/-37"	B4144
106	L101	2703-001752	"INDUCTOR-SMD;39nH,5%,1.0x0.5x0.5mm"	LL1005-FH39NJ
107	L301	2703-001750	"INDUCTOR-SMD;2.2NH,0.3NH,1.0X0.5X0.5MM"	LL1005-FH2N2S
108	L304	2703-001786	"INDUCTOR-SMD;10NH,5%,1.0X0.5X0.5MM"	LL1005-FH10NJ
109	L316	2703-001748	"INDUCTOR-SMD;5.6nH,0.3nH,1.0x0.5x0.5mm"	LL1005-FH5N6S
110	L318	2703-001734	"INDUCTOR-SMD;6.8nH,5%,1x0.5x0.5mm"	LL1005-FH6N8J
111	L321	2703-001748	"INDUCTOR-SMD;5.6nH,0.3nH,1.0x0.5x0.5mm"	LL1005-FH5N6S
112	L325	2703-001174	"INDUCTOR-SMD;33nH,5%,1.6x0.8x0.8mm"	LL1608-FH33NJ
113	LED1	0601-001402	"LED;CHIP,RED/Y-GRN,1.2x1.5mm,660/570nm"	CL-165HR/YG-D
114	LED2	0601-001540	"LED;CHIP,BLUE,1.1X0.8MM,485NM"	SLS-NNBD102TS
115	OSC101	2801-003856	"CRYSTAL-SMD;0.032786MHz,20ppm,28-ACP,7pF,65kohm,TP"	C-146(32.768KHZ)
116	OSC301	2806-001238	"OSCILLATOR-VCO;1710~1785/880~915MHz,-,10.5dBm,TP,2"	QVC961747RT-4051
117	Q101	0504-001012	"TR-DIGITAL;DTC114YE,NPN,150MW,10K/47K,EMT3,TP"	DTC114YE
118	Q102	0501-002011	"TR-SMALL SIGNAL;2SD2114K,NPN,200mW,SOT-23,TP,8"	2SD2114KT146V
119	Q103	0501-000162	"TR-SMALL SIGNAL;2SA1576,PNP,200MW,SOT-323,TP,180-3"	2SA1576FRT106
120	Q104	0504-001012	"TR-DIGITAL;DTC114YE,NPN,150MW,10K/47K,EMT3,TP"	DTC114YE
121	Q108	0501-000162	"TR-SMALL SIGNAL;2SA1576,PNP,200MW,SOT-323,TP,180-3"	2SA1576FRT106
122	Q112	0504-001012	"TR-DIGITAL;DTC114YE,NPN,150MW,10K/47K,EMT3,TP"	DTC114YE

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
123	Q113	0504-000167	"TR-DIGITAL;RN1102,NPN,100MW,10K/10K,SSM,TP"	DTC114EE/TR
124	Q301	0504-001012	"TR-DIGITAL;DTC114YE,NPN,150MW,10K/47K,EMT3,TP"	DTC114YE
125	R101	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
126	R102	2007-000174	"R-CHIP;47ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ470X
127	R103	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
128	R105	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
129	R106	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
130	R108	2007-000143	"R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005"	RC1005J472CS
131	R109	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
132	R110	2007-000143	"R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005"	RC1005J472CS
133	R111	2007-000138	"R-CHIP;100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X
134	R112	2007-001290	"R-CHIP;24ohm,5%,1/16W,DA,TP,1005"	ERJ2GE240X
135	R114	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
136	R115	2007-000138	"R-CHIP;100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X
137	R116	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
138	R120	2007-007317	"R-CHIP;2.2Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD2201F
139	R121	2007-000141	"R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ222X
140	R122	2007-007317	"R-CHIP;2.2Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD2201F
141	R123	2007-007317	"R-CHIP;2.2Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD2201F
142	R125	2007-000141	"R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ222X
143	R126	2007-007317	"R-CHIP;2.2Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD2201F
144	R130	2007-007318	"R-CHIP;1Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD1001F
145	R132	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
146	R133	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
147	R134	2007-007318	"R-CHIP;1Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD1001F
148	R136	2007-000152	"R-CHIP;20Kohm,5%,1/16W,DA,TP,1005"	RC1005J203CS
149	R137	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
150	R138	2007-000138	"R-CHIP;100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X
151	R140	2007-007318	"R-CHIP;1Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD1001F
152	R143	2007-007318	"R-CHIP;1Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD1001F
153	R144	2007-000157	"R-CHIP;47Kohm,5%,1/16W,DA,TP,1005"	RC1005J473CS
154	R146	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
155	R150	2007-000168	"R-CHIP;470Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ474X
156	R151	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
157	R152	2007-007981	"R-CHIP;180Kohm,1%,1/16W,DA,TP,1005"	ERJ2GRKF1803X
158	R153	2007-007480	"R-CHIP;130Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD1303F
159	R154	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
160	R155	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
161	R156	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
162	R158	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
163	R159	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
164	R162	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
165	R163	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
166	R165	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
167	R169	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
168	R170	2007-000157	"R-CHIP;47Kohm,5%,1/16W,DA,TP,1005"	RC1005J473CS
169	R171	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
170	R174	2007-000139	"R-CHIP;220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
171	R175	2007-002796	"R-CHIP;510ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ511X
172	R176	2007-002796	"R-CHIP;510ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ511X
173	R177	2007-000139	"R-CHIP;220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
174	R178	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
175	R181	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
176	R182	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
177	R183	2007-000157	"R-CHIP;47Kohm,5%,1/16W,DA,TP,1005"	RC1005J473CS
178	R184	2007-000170	"R-CHIP;1Mohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ105X
179	R185	2007-000170	"R-CHIP;1Mohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ105X
180	R186	2007-000170	"R-CHIP;1Mohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ105X
181	R187	2007-000159	"R-CHIP;56Kohm,5%,1/16W,DA,TP,1005"	RC1005J563CS
182	R197	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
183	R198	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
184	R302	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
185	R310	2007-000242	"R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ152X
186	R311	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
187	R318	2007-001320	"R-CHIP;1.8Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ182X
188	R321	2007-000147	"R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1005"	RC1005J822CS
189	R322	2007-001319	"R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ122X
190	R324	2007-002797	"R-CHIP;560ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ561X
191	R326	2007-000153	"R-CHIP;22Kohm,5%,1/16W,DA,TP,1005"	RC1005J223CS
192	R327	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
193	R329	2007-001119	"R-CHIP;680ohm,5%,1/16W,DA,TP,1005"	ERJ2GE681X
194	R332	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
195	R334	2007-000172	"R-CHIP;10ohm,5%,1/16W,DA,TP,1005"	RC1005J100CS
196	R335	2007-002965	"R-CHIP;15OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ150X
197	R337	2007-000138	"R-CHIP;100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X
198	R343	2007-000172	"R-CHIP;10ohm,5%,1/16W,DA,TP,1005"	RC1005J100CS
199	R344	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
200	R345	2007-000138	"R-CHIP;100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X
201	R346	2007-003001	"R-CHIP;12OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ120X
202	R347	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
203	R348	2007-000172	"R-CHIP;10ohm,5%,1/16W,DA,TP,1005"	RC1005J100CS
204	R361	2007-007315	"R-CHIP;3.9Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD3901F
205	R362	2007-000142	"R-CHIP;2.7Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ272X
206	R363	2007-000138	"R-CHIP;100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
207	R364	2007-001217	"R-CHIP;82ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ820X
208	R365	2007-003001	"R-CHIP;12OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ120X
209	R366	2007-002965	"R-CHIP;15OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ150X
210	R368	2007-000149	"R-CHIP;12Kohm,5%,1/16W,DA,TP,1005"	RC1005J123CS
211	R369	2007-000173	"R-CHIP;22ohm,5%,1/16W,DA,TP,1005"	ERJ2GE220X
212	R370	2007-000173	"R-CHIP;22ohm,5%,1/16W,DA,TP,1005"	ERJ2GE220X
213	RA101	2011-001344	"R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP"	EXB28V101JX
214	RA102	2011-001344	"R-NETWORK;100ohm,5%,1/16W,L,CHIP,8P,TP"	EXB28V101JX
215	RA103	2011-001345	"R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP"	EXB28V103JX
216	TH101	1404-001005	"THERMISTOR-NTC;47Kohm,5%,4050K,2.0mW/C,TP"	NTH5G40B473J01TE
217	U101	0505-001423	"FET-SILICON;FDG6323L,N/P,-,-,0.3W,SC70-6"	FDG6323L
218	U103	0801-002540	"IC-CMOS LOGIC;7SZ19,DECODER,SOP,6P,49MIL,SINGLE,TP"	NC7SZ19P6X
219	U107	1103-001184	"IC-EEPROM;24C256,32Kx8Bit,dBGA,8P,92MIL,-,2.7V,-,P"	AT24C256-10UI-2.7-T.R
220	U108	1205-001881	"IC-COMM. CONTROLLER;VP40575,BGA,180P,472MIL,PLASTI"	VP40575
221	U109	1106-001301	"IC-SRAM;1337,262Kx16Bit,CSP,72P,-,85nS,3V,-,PLASTI"	LRS1337
222	U112	1203-001511	"IC-RESET;809,SOT-23,3P,-,PLASTIC,0.3/6."	MAX809REUR-T
223	U113	1001-001145	"IC-ANALOG SWITCH;MAX4599EXT,-,SC70,6P,49MIL,SINGLE"	MAX4599EXT-T
224	U114	0505-001332	"FET-SILICON;FDG6301,N,25V,0.22A,4OHM,.3W,SC70-6"	FDG6301N
225	U115	1001-001145	"IC-ANALOG SWITCH;MAX4599EXT,-,SC70,6P,49MIL,SINGLE"	MAX4599EXT-T
226	U116	1203-002077	"IC-VOLTAGE REGULATOR;2985,SOT-23,5P,63MIL,PLASTIC,"	LP2985AIM5-3.3
227	U118	1202-001022	"IC-VOLTAGE COMP.;75W56,SSOP,8P,110MIL,DUAL,7V,C"	TC75W56FU-TE12L
228	U124	0504-001058	"TR-DIGITAL;RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD"	RN4985
229	U302	1209-001337	"IC-PLL/SYNTHESISER;SI4133G-XM2R,LCC,28P,-,-,3.6V,-"	SI4133-MLP28
230	U306	1201-001018	"IC-OP AMP;7131,SOT-23,5P,-,SINGLE,70dB,P"	LM7131ACM5
231	U309	0504-001058	"TR-DIGITAL;RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD"	RN4985
232	U310	0504-001058	"TR-DIGITAL;RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD"	RN4985
233	U314	0504-001058	"TR-DIGITAL;RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD"	RN4985
234	V102	1405-001019	"VARISTOR;5.6V,-,1.6x0.8mm,TP"	VC060305A150R
235	V105	1405-001019	"VARISTOR;5.6V,-,1.6x0.8mm,TP"	VC060305A150R
236	V106	1405-001018	"VARISTOR;14V,-,1.6x0.8mm,TP"	VC060314A300R
237	ZD109	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
238	ZD112	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
239	ZD115	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
240	ZD117	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R

3-2 Main Parts List Bottom

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
1	C105	2404-000335	"C-TA,CHIP;3.3uF,20%,16V,GP,TP,3216"	293D335X0016A2T
2	C108	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
3	C111	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
4	C112	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
5	C113	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
6	C114	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
7	C120	2203-005148	"C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608,-"	GRM39X7R104K16PT
8	C123	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
9	C125	2203-005509	"C-CERAMIC,CHIP;330nF,+80-20%,10V,Y5V,TP,1005"	GRM36Y5V334Z10PT
10	C128	2203-005382	"C-CERAMIC,CHIP;0.006nF,0.1pF,50V,NP0,TP,1005"	GRP1555C1H6R
11	C130	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
12	C131	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
13	C137	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
14	C140	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
15	C142	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
16	C143	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
17	C144	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
18	C145	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
19	C150	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
20	C154	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
21	C156	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
22	C162	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
23	C166	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
24	C175	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
25	C179	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
26	C185	2203-005562	"C-CERAMIC,CHIP;10000nF,+80-20%,10V,Y5V,TP,3216"	GRM230V5V106Z10PT
27	C186	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
28	C191	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
29	C196	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
30	C198	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
31	C199	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
32	C200	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
33	C202	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
34	C203	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
35	C209	2404-001134	"C-TA,CHIP;100UF,20%,6.3V,LZ,TP,4028"	595D107X06R3B2T
36	C210	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
37	C212	2203-001210	"C-CERAMIC,CHIP;8.2nF,10%,16V,X7R,TP,1005,-"	GRP155R71822K
38	C213	2203-005148	"C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608,-"	GRM39X7R104K16PT
39	C214	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
40	C217	2404-000335	"C-TA,CHIP;3.3uF,20%,16V,GP,TP,3216"	293D335X0016A2T
41	C221	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
42	C222	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
43	C223	2203-000995	"C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,1005"	GRM36COG470J50PT
44	C227	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
45	C302	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
46	C305	2203-001033	"C-CERAMIC,CHIP;5.6nF,10%,25V,X7R,TP,1005,-"	GRM36X7R562K25PT
47	C306	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
48	C309	2203-000330	"C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,1005"	GRM36COG120J50PT
49	C310	2203-000330	"C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,1005"	GRM36COG120J50PT
50	C312	2203-005050	"C-CERAMIC,CHIP;0.0018nF,0.25pF,50V,NP0,TP,1005"	GRM36COG1R8C50PT
51	C313	2203-000550	"C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,1005"	GRM36COG200J50PT
52	C314	2203-000550	"C-CERAMIC,CHIP;0.02nF,5%,50V,NP0,TP,1005"	GRM36COG200J50PT
53	C318	2203-005443	"C-CERAMIC,CHIP;0.0033nF,0.1pF,50V,NP0,TP,1005"	GRM36COG3R3B50PT
54	C319	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
55	C320	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
56	C321	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
57	C324	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
58	C325	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
59	C326	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
60	C327	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
61	C328	2203-000359	"C-CERAMIC,CHIP;0.15nF,5%,50V,NP0,TP,1005"	GRM36COG151J50PT
62	C330	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
63	C331	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
64	C332	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
65	C339	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
66	C340	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
67	C341	2203-005383	"C-CERAMIC,CHIP;7pF,0.1pF,50V,NP0,TP,1005,-"	GRM36COG070B50PT
68	C345	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
69	C350	2203-005383	"C-CERAMIC,CHIP;7pF,0.1pF,50V,NP0,TP,1005,-"	GRM36COG070B50PT
70	C353	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
71	C354	2203-005234	"C-CERAMIC,CHIP;0.0012nF,0.25pF,50V,NP0,TP,1005"	GRM36COG1R2C50PT
72	C356	2203-000679	"C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,1005"	GRM36COG270J50PT
73	C358	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
74	C359	2301-001419	"C-FILM,CHIP;8.2nF,5%,16V,TP,2012,-"	ECH-U1C822JX5
75	C360	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
76	C362	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT
77	C363	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
78	C364	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
79	C365	2301-001232	"C-FILM,CHIP;470pF,5%,50V,TP,2012,-"	ECHU1C471JB5
80	C366	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
81	C368	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
82	C370	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
83	C373	2203-000438	"C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-"	GRM36X7R102K50PT

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
84	C374	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
85	C375	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
86	C376	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
87	C377	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
88	C378	2203-005057	"C-CERAMIC,CHIP;0.0082nF,0.25pF,50V,NP0,TP,1005"	GRM36COG8R2C50PT
89	C379	2203-005057	"C-CERAMIC,CHIP;0.0082nF,0.25pF,50V,NP0,TP,1005"	GRM36COG8R2C50PT
90	C381	2404-001134	"C-TA,CHIP;100UF,20%,6.3V,LZ,TP,4028"	595D107X06R3B2T
91	C384	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
92	C386	2203-005444	"C-CERAMIC,CHIP;0.003nF,0.1pF,50V,NP0,TP,1005"	GRM36COG030B50PT
93	C388	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
94	C389	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
95	C393	2203-005065	"C-CERAMIC,CHIP;1000nF,+80-20%,10V,Y5V,TP,1608"	GRM39V5V105Z10PT
96	C396	2404-001210	"C-TA,CHIP;220uF,20%,6.3V,LZ,TP,7132"	5920227X06R3U2T
97	C398	2404-001105	"C-TA,CHIP;10UF,20%,6.3V,GP,TP,2012"	TAJB106M006R
98	C399	2203-005061	"C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,1005"	GRM36V5V104Z16PT
99	C400	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
100	C401	2203-000254	"C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,-"	GRM36X7R103K16PT
101	C404	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
102	C407	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
103	C408	2203-000233	"C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1005"	GRM36COG101J50PT
104	C412	2203-000812	"C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,1005"	GRM36COG330J50PT
105	CN101	3710-001105	"CONNECTOR-SOCKET;2P,1R,1.27mm,SMD-S,AU"	24-8005-002-000-867
106	CN102	3709-001121	"CONNECTOR-CARD EDGE;6P,2.54MM,SMD-S,AU"	1-338063-9
107	CN103	3710-001492	"CONNECTOR-SOCKET;40P,2R,0.5MM,SMD-S,AUF"	AXK5F40335J
108	CN104	3710-001666	"CONNECTOR-SOCKET;18P,1R,0.5mm,SMD-A,AUF"	MQ179C-SAA-18P/4
109	D101	0407-001002	"DIODE-ARRAY;DAN222,80V,300mA,CA2-3,EM3,TP"	DAN222
110	D103	0402-001331	"DIODE-RECTIFIER;CRS04,40V,1A,S-FLAT,TP"	CRS04-TE85L
111	D107	0407-001007	"DIODE-ARRAY;UMN1,80V,25mA,CA4-2,UM5,TR"	UMN1
112	D108	0402-001331	"DIODE-RECTIFIER;CRS04,40V,1A,S-FLAT,TP"	CRS04-TE85L
113	D111	0402-001331	"DIODE-RECTIFIER;CRS04,40V,1A,S-FLAT,TP"	CRS04-TE85L
114	F101	2901-001155	"FILTER-EMI SMD;25V,6A,-,220pF,3.2x1.6x1.6mm,TP"	NFM60R00T221
115	F301	2904-001227	"FILTER-SAW;225MHz,0.26MHz,+67.5KHz/2dB,TP,5.5dB,-"	B4833
116	F304	2904-001271	"FILTER-SAW;942.5MHz,35MHz,+17.5MHz/1.7dB,TP,+17."	B4127
117	F306	2901-001116	"FILTER-EMI SMD;50V,0.3A,-,470pF,2x1.25x0.5mm,TP"	NFM39R12C471T1
118	FB101	3301-001208	"CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-"	BLM11P600SPT
119	FB102	3301-001208	"CORE-FERRITE BEAD;AB,1.6x0.8x0.8mm,-,-"	BLM11P600SPT
120	J101	3722-001380	"JACK-PHONE;6P,2.6PI,AG,BLK,-"	02-787B2-53BKA
121	J301	3705-001163	"CONNECTOR-COAXIAL;SMC,JACK,100mohm,50ohm,0.5dB"	MHC-173
122	L102	2703-002025	"INDUCTOR-SMD;47uH,20%,4.8x4.8x1.8mm"	BTC-0309-470M
123	L103	2703-002228	"INDUCTOR-SMD;1.5MH,30%,3.3X3.3X2.1MM"	LQH3KSN152N21L
124	L104	2703-001890	"INDUCTOR-SMD;10uH,20%,4.4x6.6x2.3mm"	SPI-103F
125	L302	2703-001673	"INDUCTOR-SMD;120nH,5%,1.8x1.12x1.02mm"	0603CS-R12XJBC

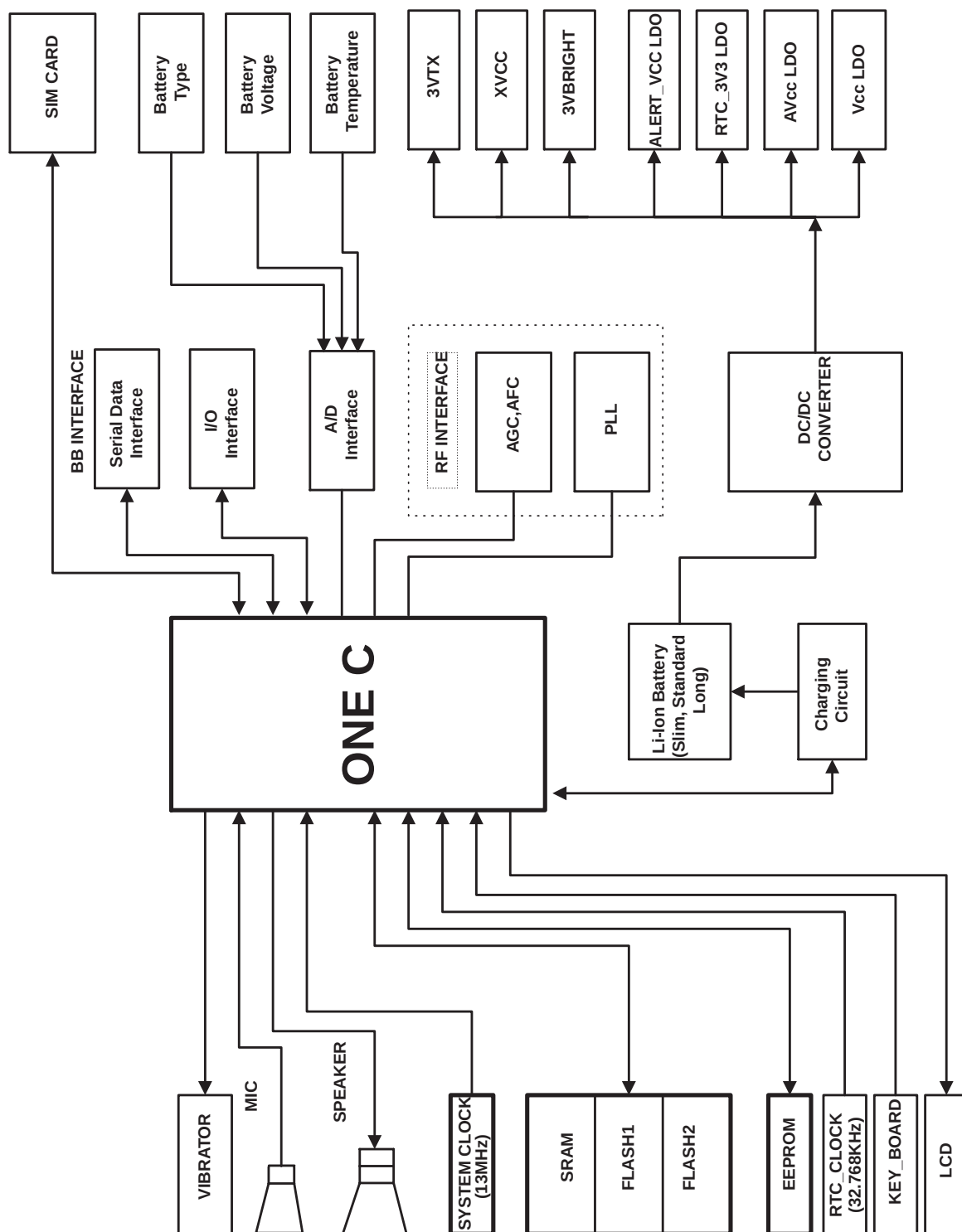
	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
126	L303	2703-001181	"INDUCTOR-SMD;27nH,10%,1x0.5x0.5mm"	LL1005-FH27NK
127	L305	2703-001545	"INDUCTOR-SMD;47nH,5%,1.8x1.12x1.02mm"	0603CS-47NXJBC
128	L306	2703-001545	"INDUCTOR-SMD;47nH,5%,1.8x1.12x1.02mm"	0603CS-47NXJBC
129	L308	2703-001514	"INDUCTOR-SMD;68nH,5%,1.8x1.12x1.02mm"	0603CS-68NXJBC
130	L310	2703-001685	"INDUCTOR-SMD;82nH,5%,1.7x1.14x1.02mm"	0603CS-82NXJBC
131	L311	2703-001723	"INDUCTOR-SMD;33nH,5%,1.0x0.5x0.5mm"	LL1005-FH33NJ
132	L314	2703-001723	"INDUCTOR-SMD;33nH,5%,1.0x0.5x0.5mm"	LL1005-FH33NJ
133	L317	2703-001733	"INDUCTOR-SMD;8.2nH,5%,1x0.5x0.5mm"	LL1005-FH8N2J
134	L319	2703-001737	"INDUCTOR-SMD;2.7nH,0.3nH,1x0.5x0.5mm"	HK1005-2N7S-T
135	L320	2703-001748	"INDUCTOR-SMD;5.6nH,0.3nH,1.0x0.5x0.5mm"	LL1005-FH5N6S
136	L323	2703-001727	"INDUCTOR-SMD;22nH,5%,1x0.5x0.5mm"	HK1005-22NJ-T
137	L324	2703-001727	"INDUCTOR-SMD;22nH,5%,1x0.5x0.5mm"	HK1005-22NJ-T
138	L326	2703-001734	"INDUCTOR-SMD;6.8nH,5%,1x0.5x0.5mm"	LL1005-FH6N8J
139	Q105	0504-000168	"TR-DIGITAL;RN1104,NPN,100MW,47K/47K,SSM,TP"	DTC144EE/TR
140	Q106	0504-000168	"TR-DIGITAL;RN1104,NPN,100MW,47K/47K,SSM,TP"	DTC144EE/TR
141	Q107	0501-002011	"TR-SMALL SIGNAL;2SD2114K,NPN,200mW,SOT-23,TP,8"	2SD2114KT146V
142	Q110	0501-000462	"TR-SMALL SIGNAL;MMBT2907A,PNP,350mW,SOT-23,TP,100"	MMBT2907A
143	Q111	0504-000168	"TR-DIGITAL;RN1104,NPN,100MW,47K/47K,SSM,TP"	DTC144EE/TR
144	Q302	0504-001021	"TR-DIGITAL;DTB113ZK,PNP,200MW,10K,SC-59,TP"	DTB113ZK
145	Q303	0504-000167	"TR-DIGITAL;RN1102,NPN,100MW,10K/10K,SSM,TP"	DTC114EE/TR
146	R117	2007-007142	"R-CHIP;10Kohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1002F
147	R118	2007-007008	"R-CHIP;300OHM,5%,1/16W,DA,TP,1005"	RC1005J301CS
148	R119	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
149	R124	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
150	R128	2007-007107	"R-CHIP;100Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD1003F
151	R129	2007-007590	"R-CHIP;82Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD8202F
152	R131	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
153	R135	2007-007592	"R-CHIP;270Kohm,1%,1/16W,DA,TP,1005"	RK73H1ETP2703F
154	R139	2007-000139	"R-CHIP;220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
155	R141	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
156	R142	2007-000139	"R-CHIP;220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
157	R145	2007-000139	"R-CHIP;220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
158	R148	2007-000139	"R-CHIP;220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
159	R149	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
160	R157	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
161	R161	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
162	R164	2007-001308	"R-CHIP;200ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ201X
163	R166	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
164	R167	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
165	R168	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
166	R179	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
167	R191	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
168	R193	2007-007135	"R-CHIP;18Kohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1802F
169	R194	2007-007309	"R-CHIP;12Kohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1202
170	R195	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
171	R196	2007-000162	"R-CHIP;100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
172	R301	2007-001325	"R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ332X
173	R303	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
174	R304	2007-007021	"R-CHIP;75KOHM,5%,1/16W,DA,TP,1005"	RC1005J753CS
175	R305	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
176	R308	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
177	R309	2007-000141	"R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ222X
178	R312	2007-000172	"R-CHIP;10ohm,5%,1/16W,DA,TP,1005"	RC1005J100CS
179	R313	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
180	R314	2007-001298	"R-CHIP;51ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ510X
181	R315	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
182	R319	2007-000140	"R-CHIP;1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
183	R323	2007-002797	"R-CHIP;560ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ561X
184	R325	2007-000174	"R-CHIP;47ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ470X
185	R330	2007-001305	"R-CHIP;120ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ121X
186	R331	2007-001217	"R-CHIP;82ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ820X
187	R333	2007-007311	"R-CHIP;22Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD2202F
188	R336	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
189	R338	2007-007313	"R-CHIP;6.8Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD6801F
190	R339	2007-007313	"R-CHIP;6.8Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD6801F
191	R340	2007-007313	"R-CHIP;6.8Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD6801F
192	R341	2007-007313	"R-CHIP;6.8Kohm,1%,1/16W,DA,TP,1005"	RK73HIETD6801F
193	R342	2007-000143	"R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005"	RC1005J472CS
194	R349	2007-000172	"R-CHIP;10ohm,5%,1/16W,DA,TP,1005"	RC1005J100CS
195	R350	2007-000148	"R-CHIP;10Kohm,5%,1/16W,DA,TP,1005"	RC1005J103CS
196	R351	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
197	R357	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
198	R358	2007-007771	"R-CHIP;0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
199	R360	2007-001298	"R-CHIP;51ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ510X
200	R371	2007-000174	"R-CHIP;47ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ470X
201	U104	0504-001058	"TR-DIGITAL;RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD"	RN4985
202	U105	1203-002101	"IC-BATTERY;1410,SOP,16P,150MIL,PLASTIC,-,-,0to+70C"	IC;SC1410
203	U110	1203-001454	"IC-VOLTAGE REGULATOR;2981,SOT-23,5P,59MIL,PLASTIC,"	LP2981AIM5X-3.0
204	U111	0506-001004	"TR-ARRAY;UMC5N,NPN/PNP,2,50V,-,-100mA,3"	UMC5NLT
205	U117	1203-001702	"IC-DC/DC CONVERTER;1676,SOP,10P,112MIL,PLASTIC,2/5"	MAX1676EUB-T
206	U119	1203-001454	"IC-VOLTAGE REGULATOR;2981,SOT-23,5P,59MIL,PLASTIC,"	LP2981AIM5X-3.0
207	U121	1003-001226	"IC-POWER DRIVER;D361A,SOP,8P,120MIL,SINGLE,90MA,TP"	D361A
208	U122	1203-002076	"IC-VOLTAGE REGULATOR;2985,SOT-23,5P,63MIL,PLASTIC,"	LP2985AIM5-3.0
209	U301	0506-000151	"TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100mA,"	UMZ1N-TR

	REFERENCE	SEC CODE	PART DESCRIPTION	VENDOR PART NUMBER
210	U303	2809-001237	"OSCILLATOR-VCTCXO;13MHz,5ppm,10Kohm//10pF,TP,3V,2m"	KT16-KEU30L-13M
211	U304	2909-001144	"FILTER-DUPLEXER;942.5MHZ,897.5MHZ,1.55/1.7DB,TP,-,"	SHS-L090DK
212	U305	1205-001935	"IC-TRANSCEIVER;HD155128TF,TP,56P,-,-,3V,400mW,-20t"	HD155128TF
213	U307	1203-001701	"IC-VOLTAGE REGULATOR;2982,SOT-23,5P,-,PLASTIC,3.0V"	LP2982AIM5X-3.0
214	U308	0505-001423	"FET-SILICON;FDG6323L,N/P,-,-,-,0.3W,SC70-6"	FDG6323L
215	U311	1203-001454	"IC-VOLTAGE REGULATOR;2981,SOT-23,5P,59MIL,PLASTIC,"	LP2981AIM5X-3.0
216	U312	1201-001689	"IC-POWER AMP;08107,-,8P,-,DUAL,34dB,-,4.5V,-,-30to"	PF08107B-TB-CAS
217	U313	0801-002397	"IC-CMOS LOGIC;7W08,AND GATE,SSOP,8P,110MIL,D"	TC7W08FU-TE12L
218	U315	1203-001701	"IC-VOLTAGE REGULATOR;2982,SOT-23,5P,-,PLASTIC,3.0V"	LP2982AIM5X-3.0
219	U316	0505-001423	"FET-SILICON;FDG6323L,N/P,-,-,-,0.3W,SC70-6"	FDG6323L
220	U317	0801-002237	"IC-CMOS LOGIC;74HC04,INVERTER GATE,SOP,5P,49"	TC7SH4FU-TE85L
221	U318	4709-001144	"COUPLER-DIRECTION;897.5/1747.5MHZ,19DB/14DB,24DB,2"	LDC15D140A0007
222	V101	1405-001018	"VARISTOR;14V,-,1.6x0.8mm,TP"	VC060314A300R
223	V103	1405-001019	"VARISTOR;5.6V,-,1.6x0.8mm,TP"	VC060305A150R
224	V104	1405-001018	"VARISTOR;14V,-,1.6x0.8mm,TP"	VC060314A300R
225	ZD101	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
226	ZD102	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
227	ZD103	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
228	ZD104	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
229	ZD105	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
230	ZD106	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
231	ZD107	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
232	ZD108	0406-001083	"DIODE-TVS;-6.1/-7.2V,150W,SOT-323-5L"	ESDA6V1W5
233	ZD110	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
234	ZD111	0406-001083	"DIODE-TVS;-6.1/-7.2V,150W,SOT-323-5L"	ESDA6V1W5
235	ZD113	0406-001083	"DIODE-TVS;-6.1/-7.2V,150W,SOT-323-5L"	ESDA6V1W5
236	ZD114	0406-001083	"DIODE-TVS;-6.1/-7.2V,150W,SOT-323-5L"	ESDA6V1W5
237	ZD116	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
238	ZD118	1405-001093	"VARISTOR;14V,20A,1x0.5x0.6mm,TP"	VC040214X300
239	ZD119	1405-001093	"VARISTOR;14V,20A,1x0.5x0.6mm,TP"	VC040214X300
240	ZD120	1405-001093	"VARISTOR;14V,20A,1x0.5x0.6mm,TP"	VC040214X300
241	ZD121	1405-001093	"VARISTOR;14V,20A,1x0.5x0.6mm,TP"	VC040214X300
242	ZD122	1405-001093	"VARISTOR;14V,20A,1x0.5x0.6mm,TP"	VC040214X300
243	ZD123	0406-001083	"DIODE-TVS;-6.1/-7.2V,150W,SOT-323-5L"	ESDA6V1W5
244	ZD124	1405-001082	"VARISTOR;5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R

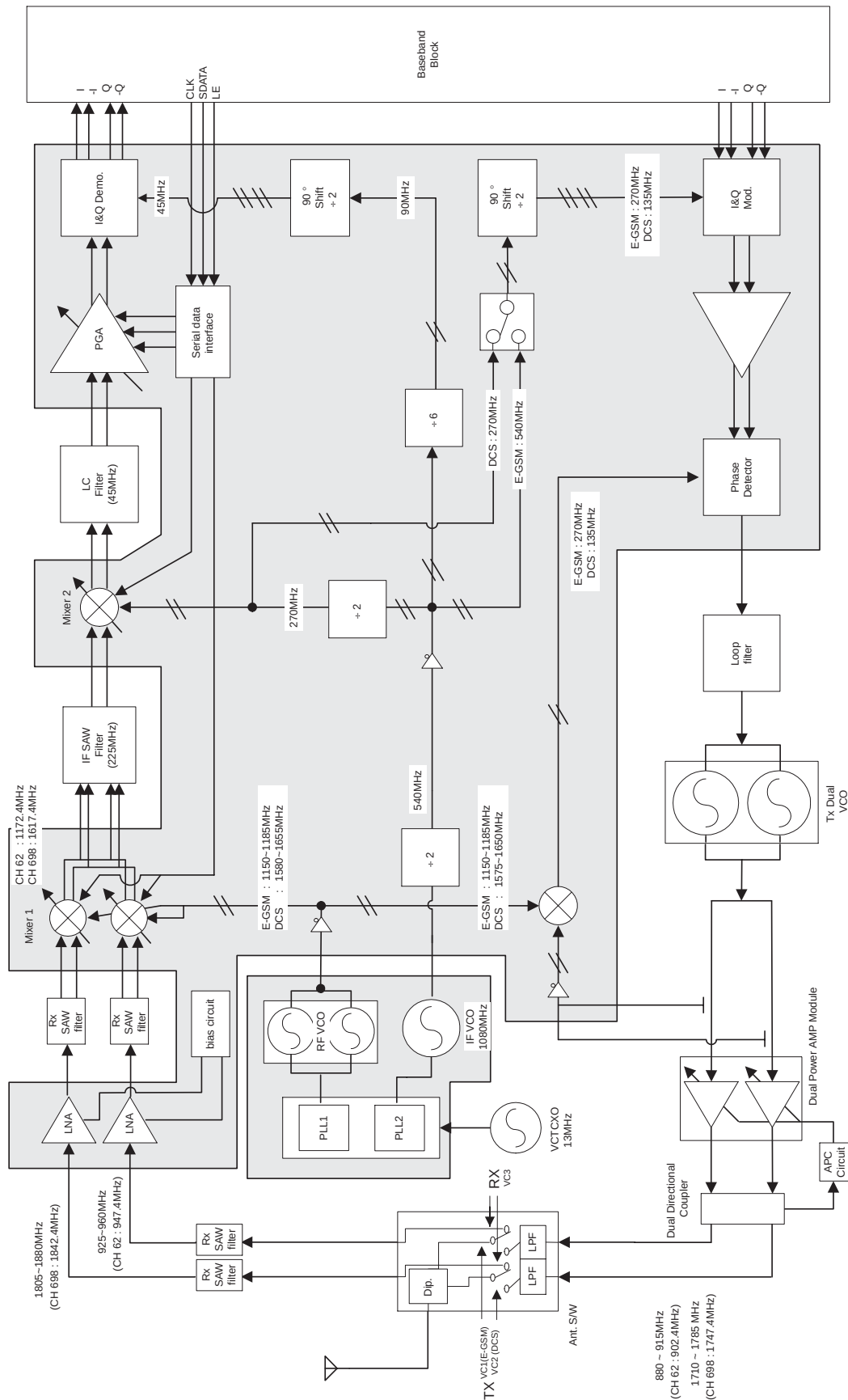
4. Block Diagrams

4-1 Main Base Band



Base Band Block Diagram of SGH-N300

4-2 Main RF

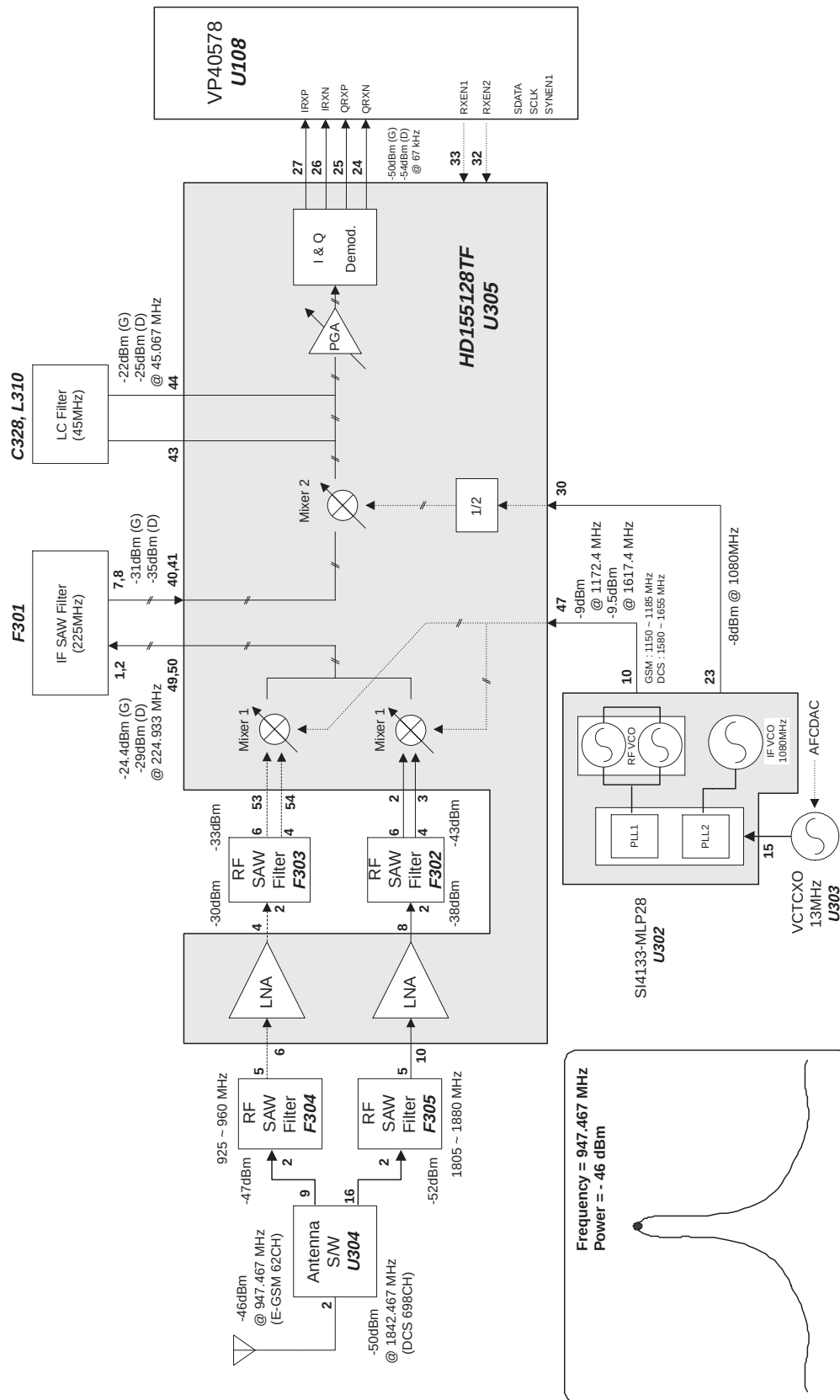


RF Block Diagram of SGH-N300

4-3

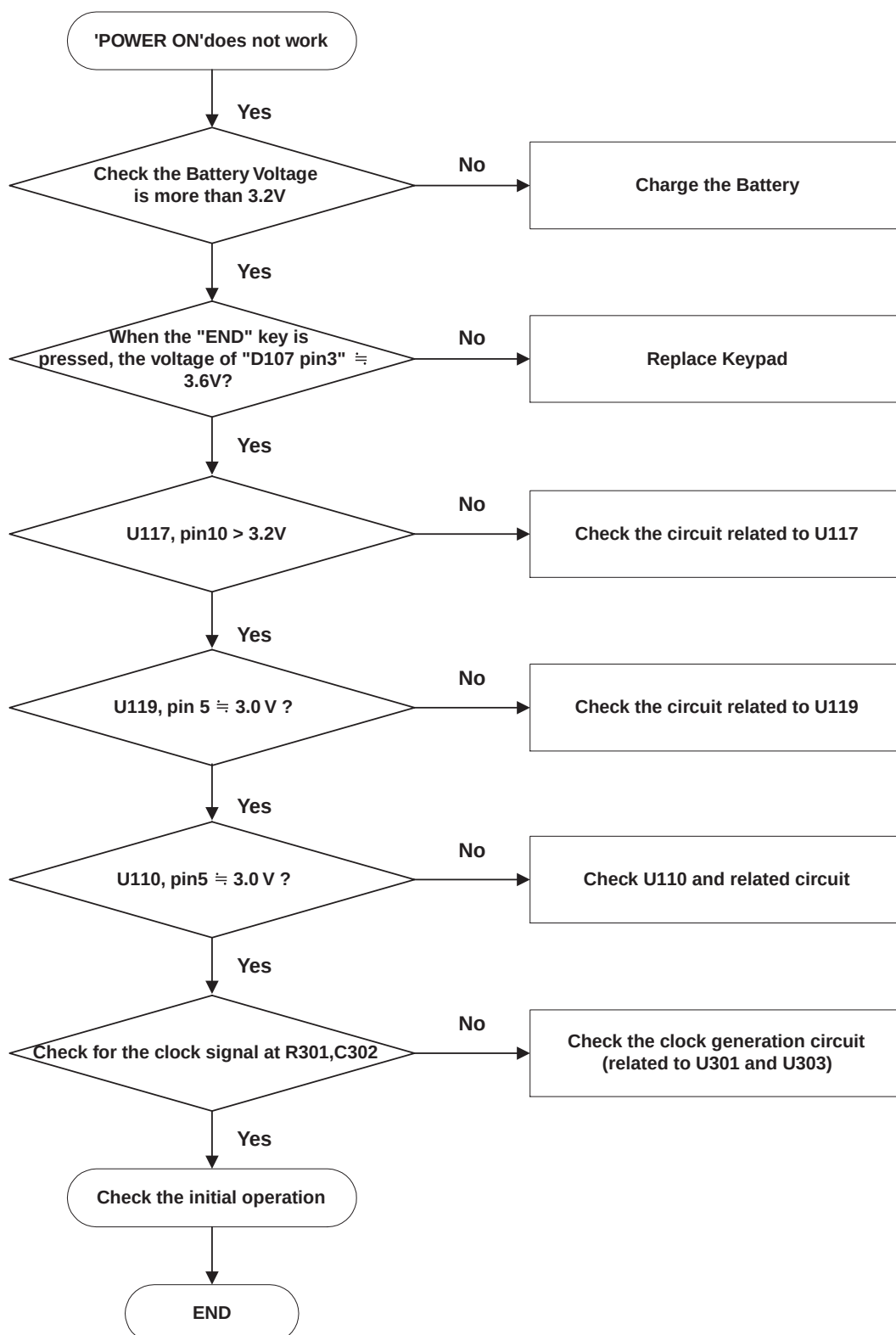


4-2-2 RF Receive Part

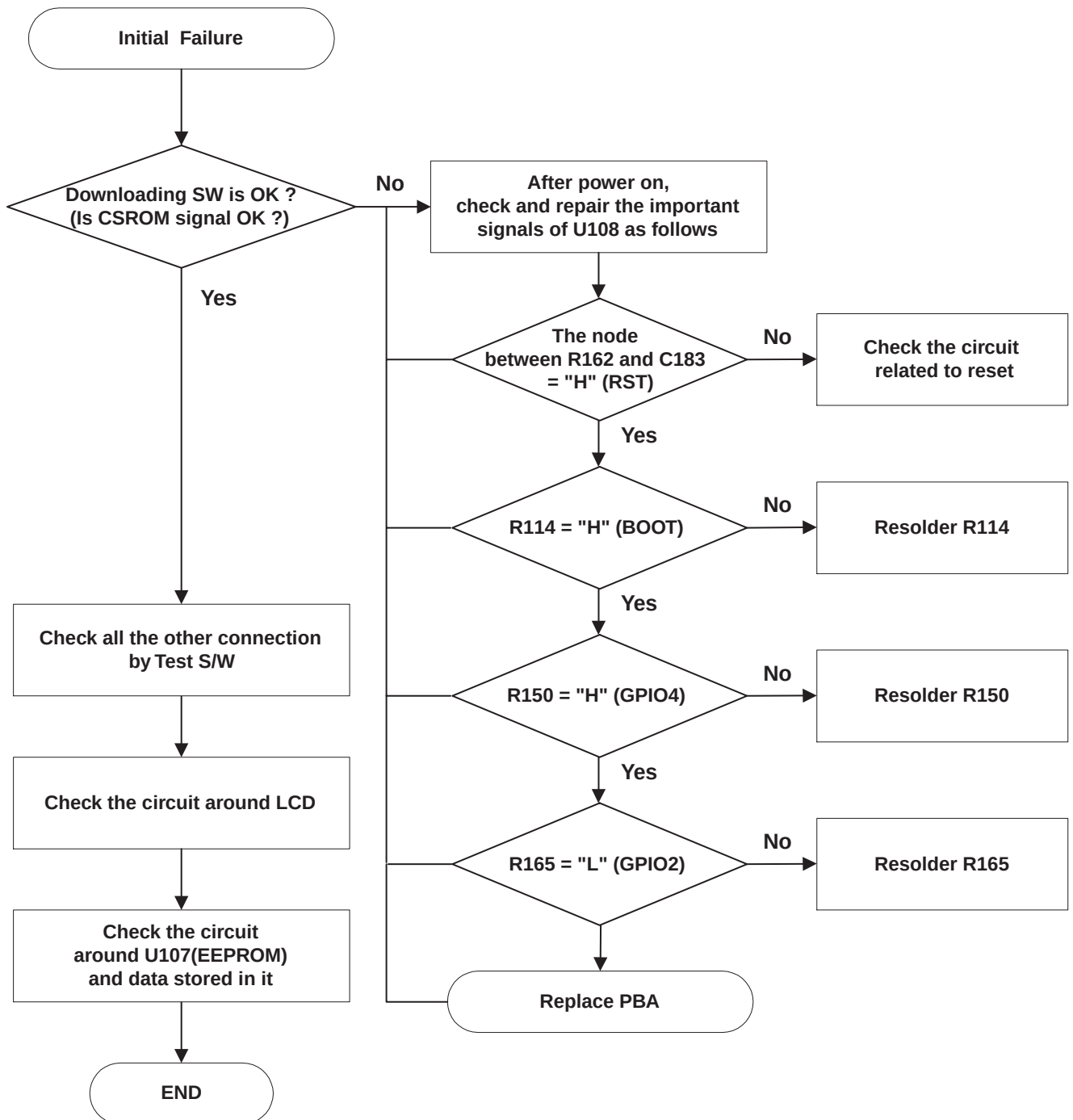


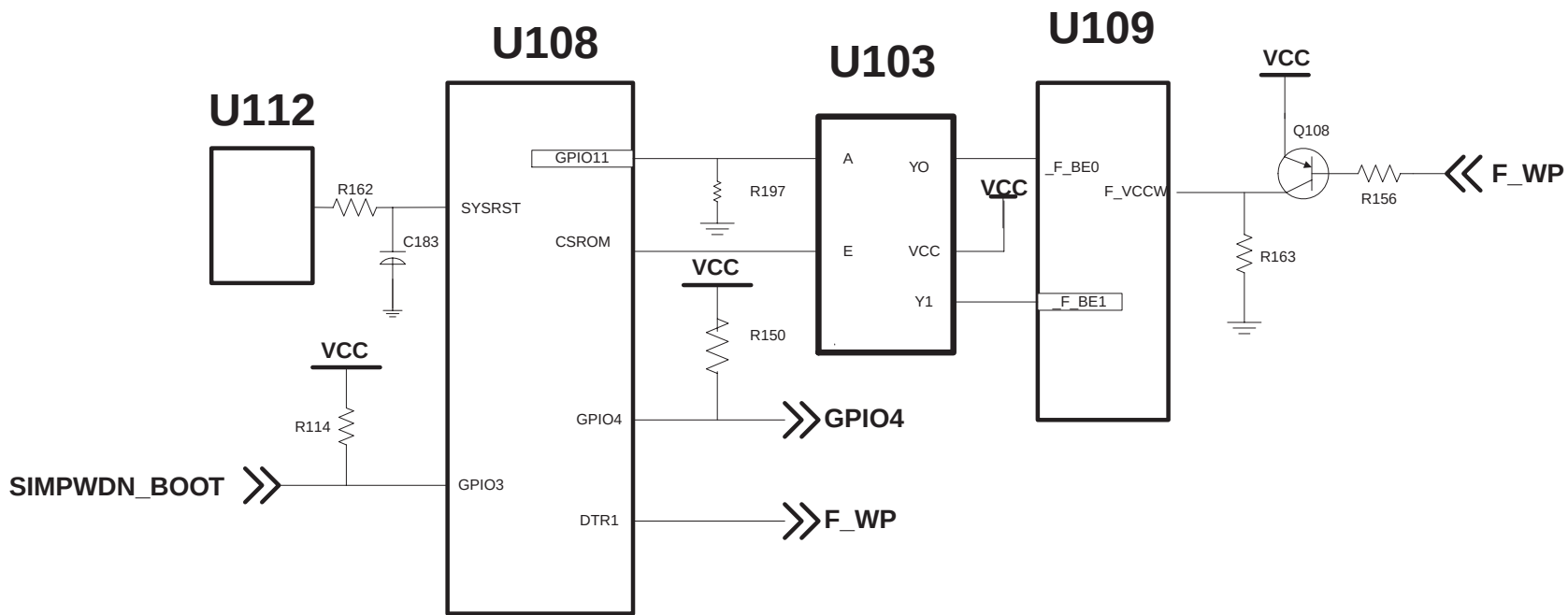
5. Flow Chart of Troubleshooting

5-1 Power ON

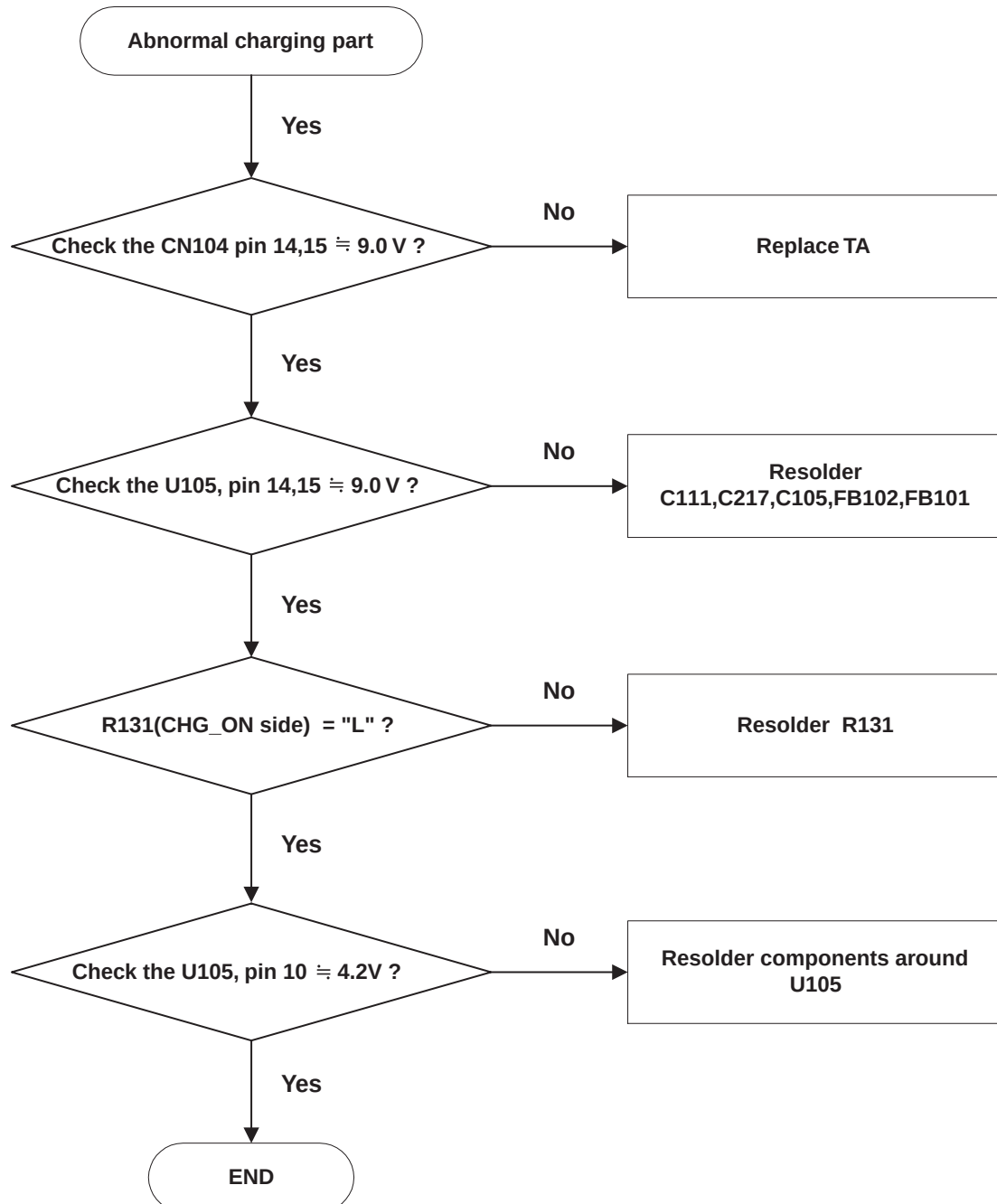


5-2 Initial

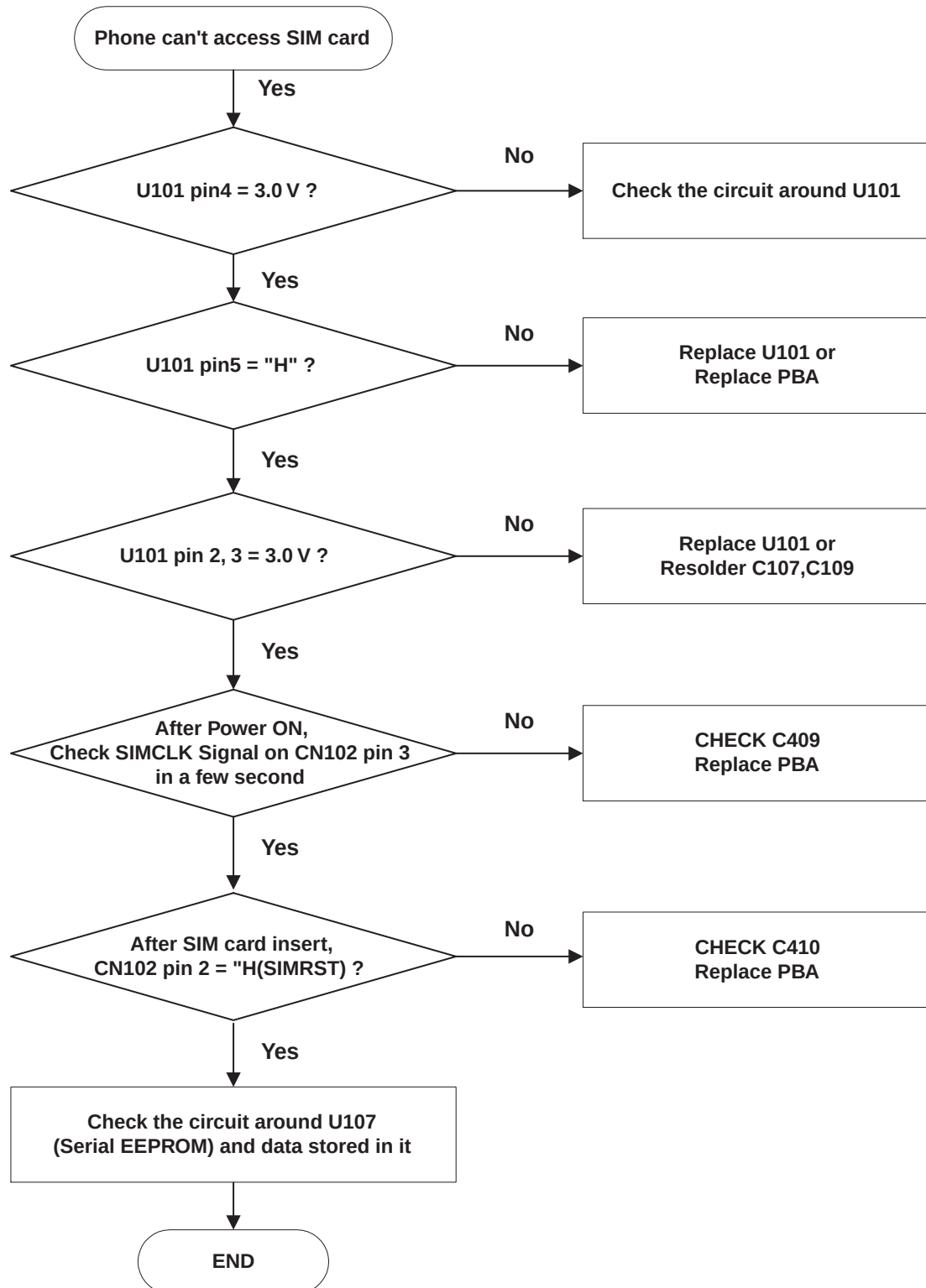




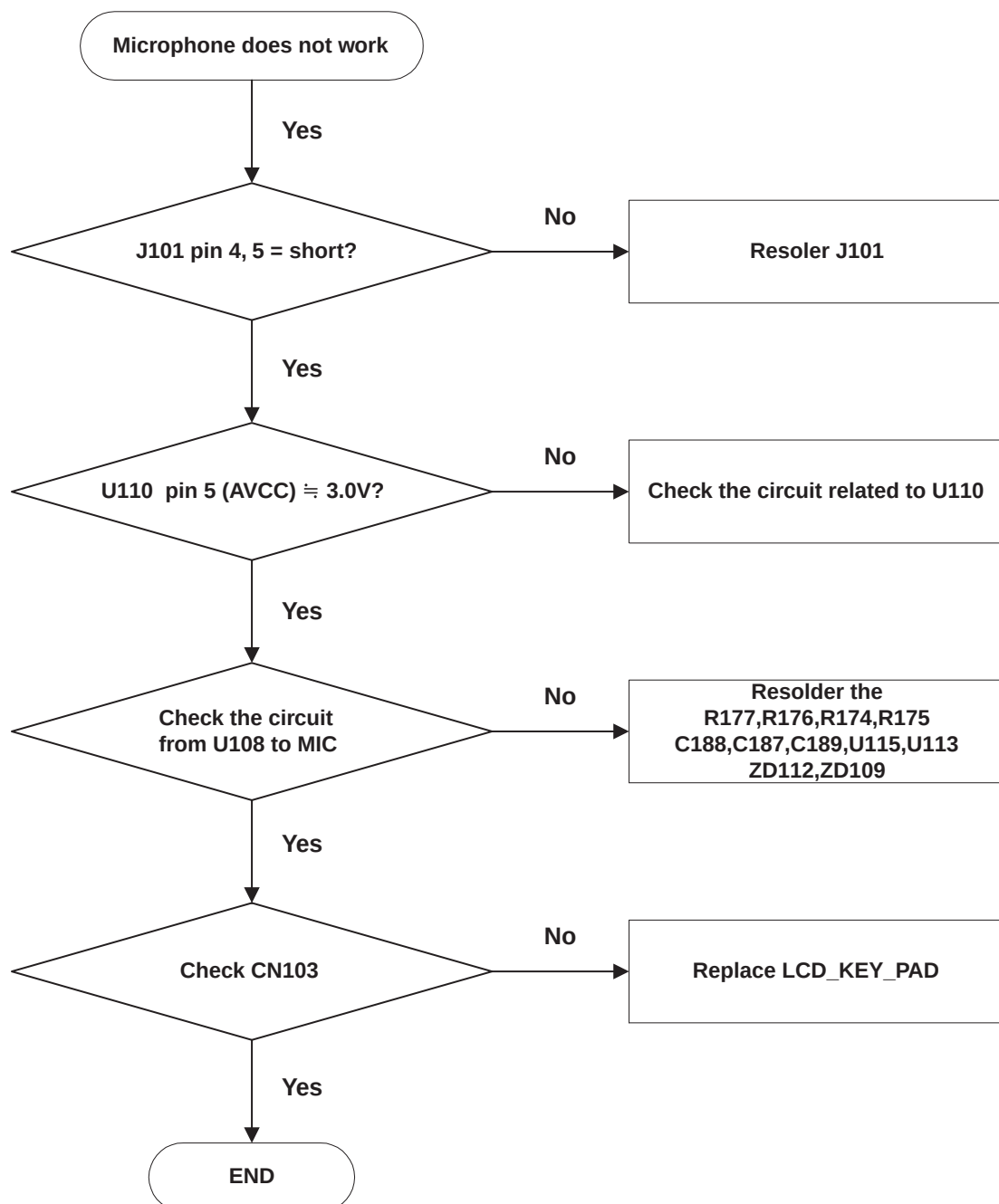
5-3 Charging Part

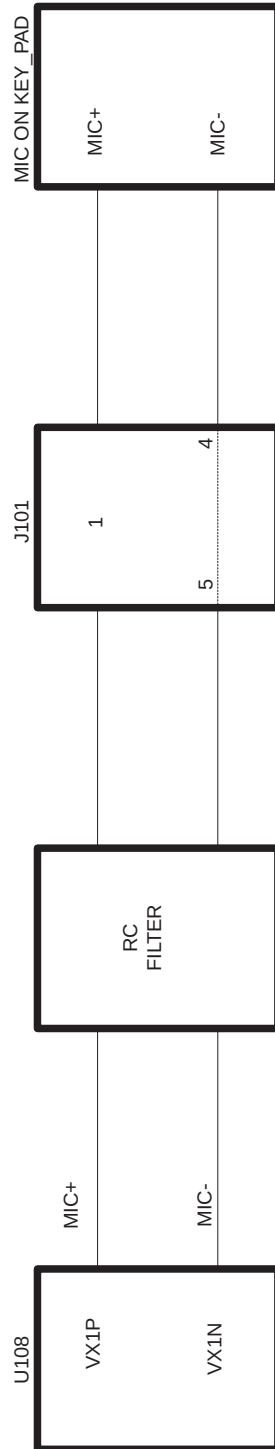


5-4 Sim Part

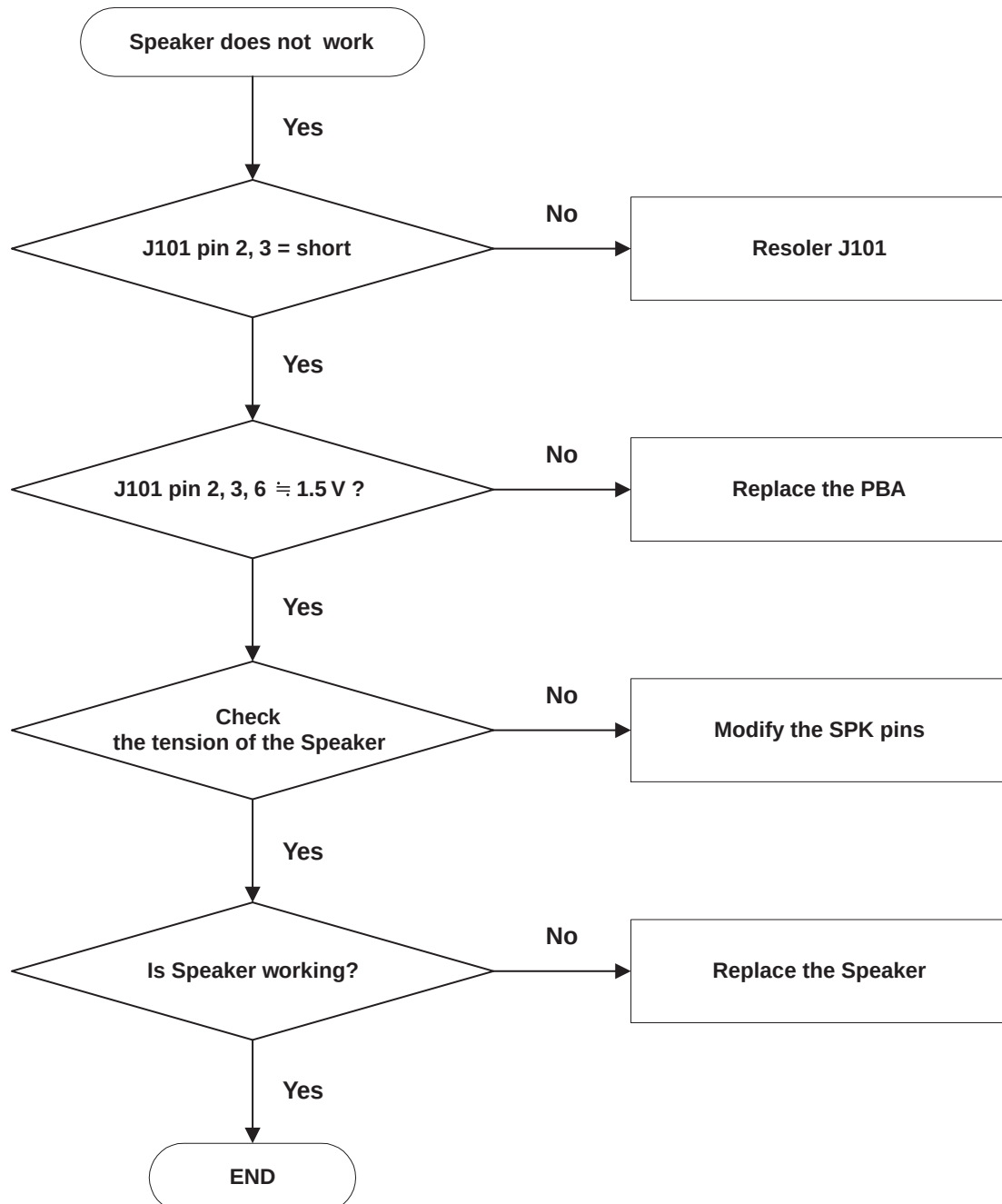


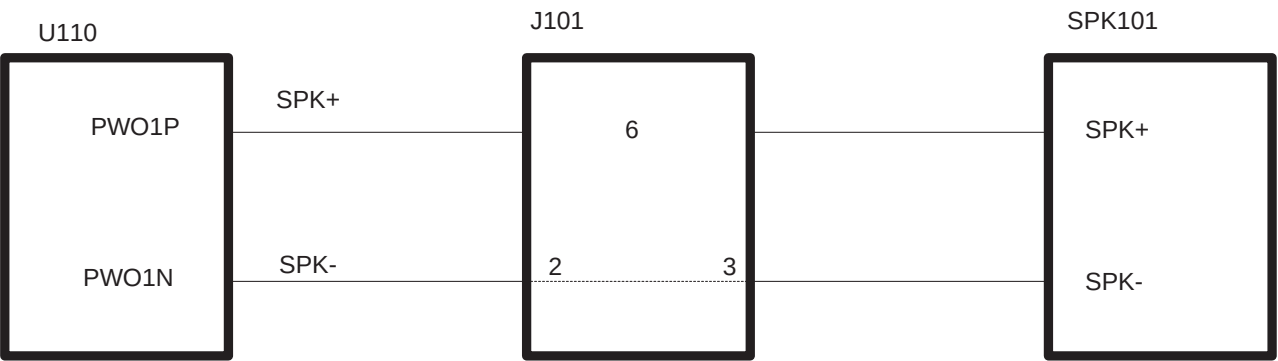
5-5 Microphone Part



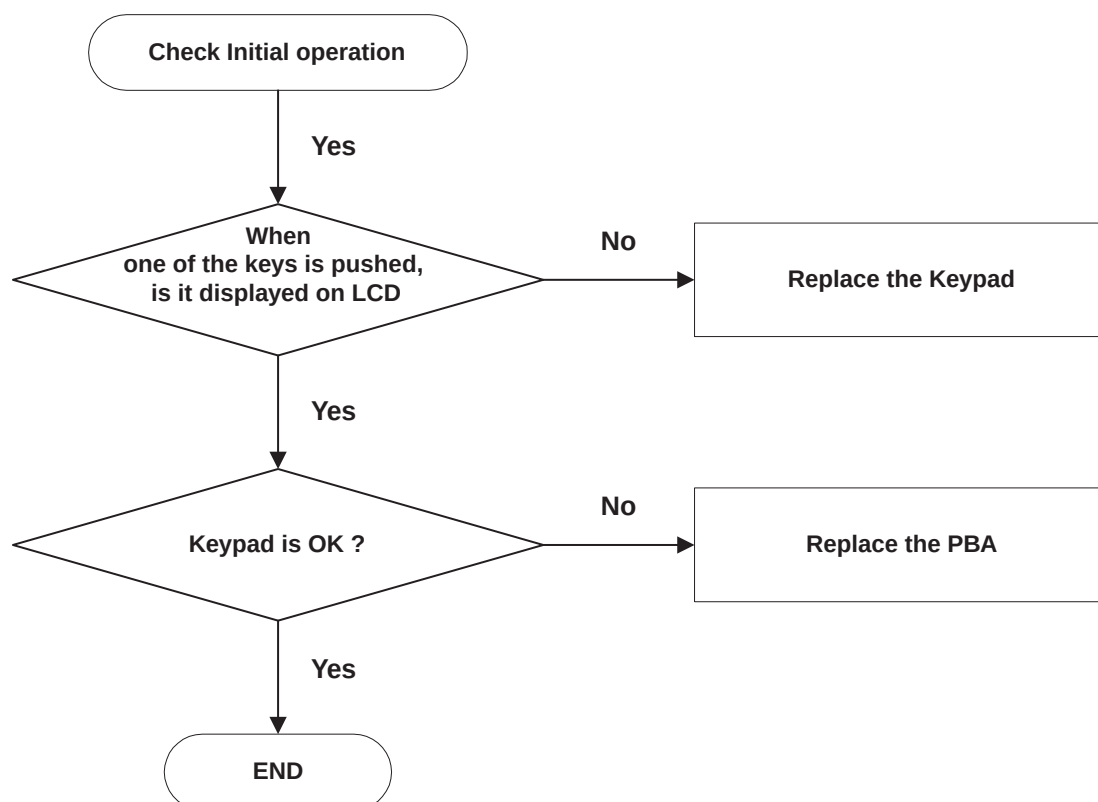


5-6 Speaker Part

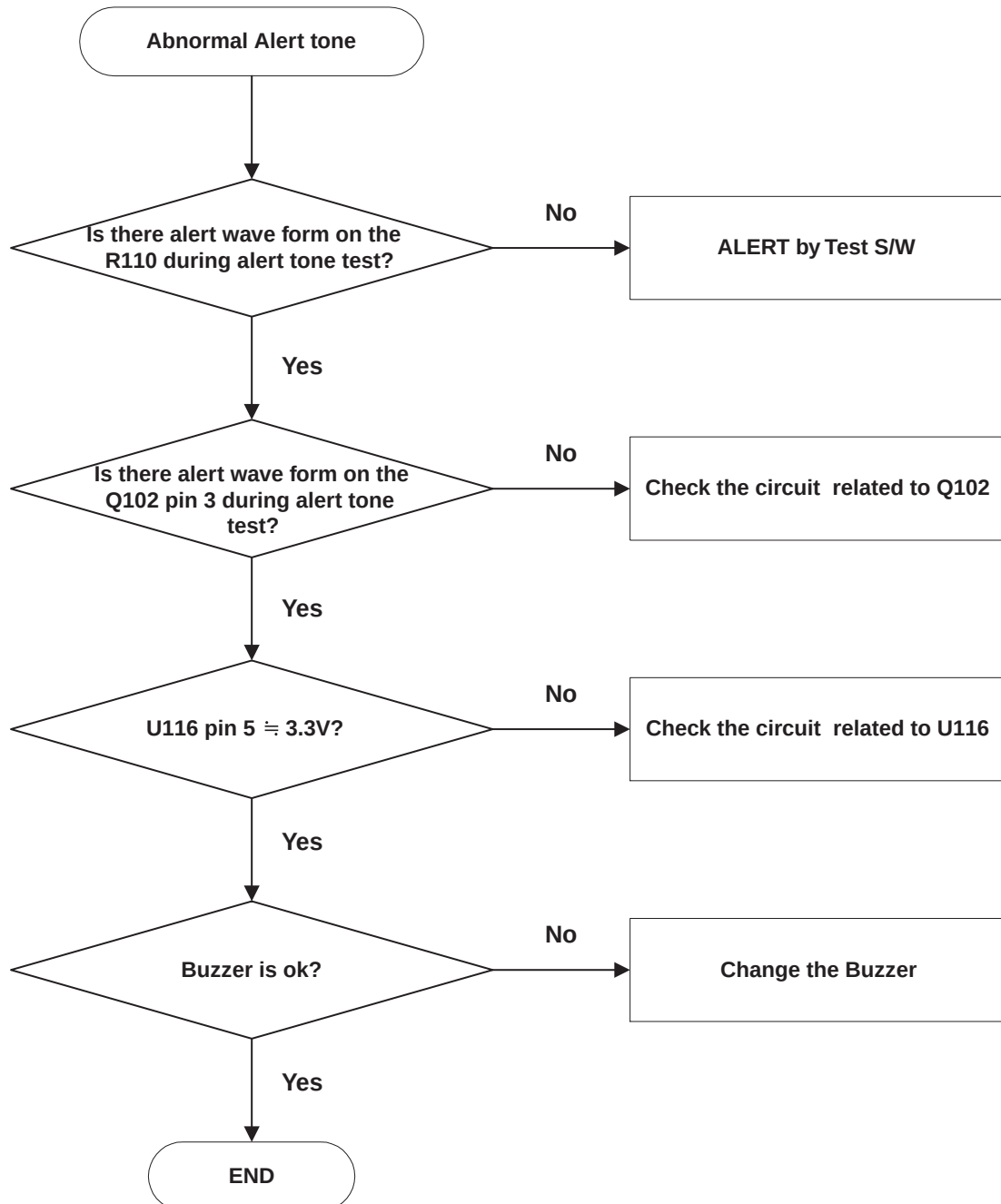


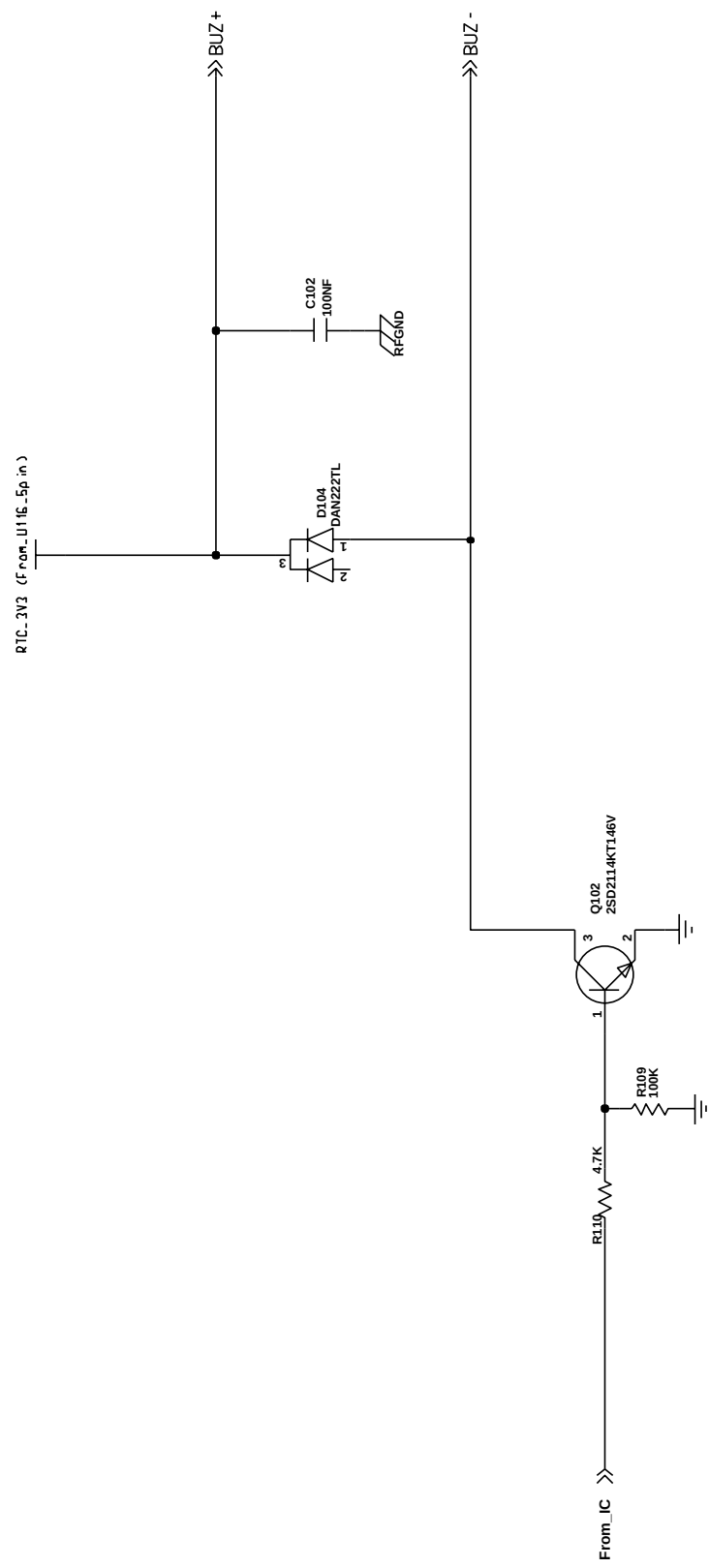


5-7 Key Data Input

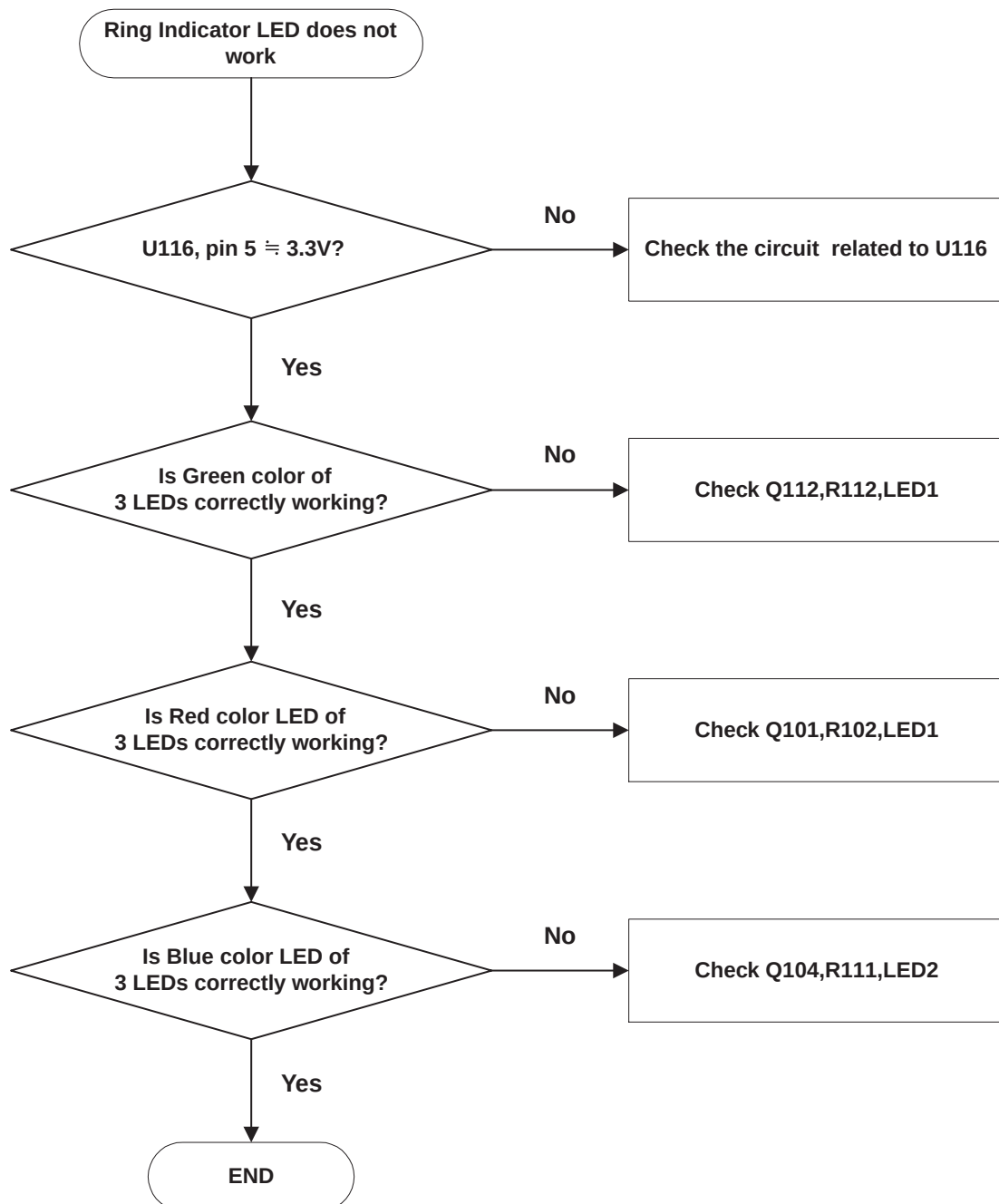


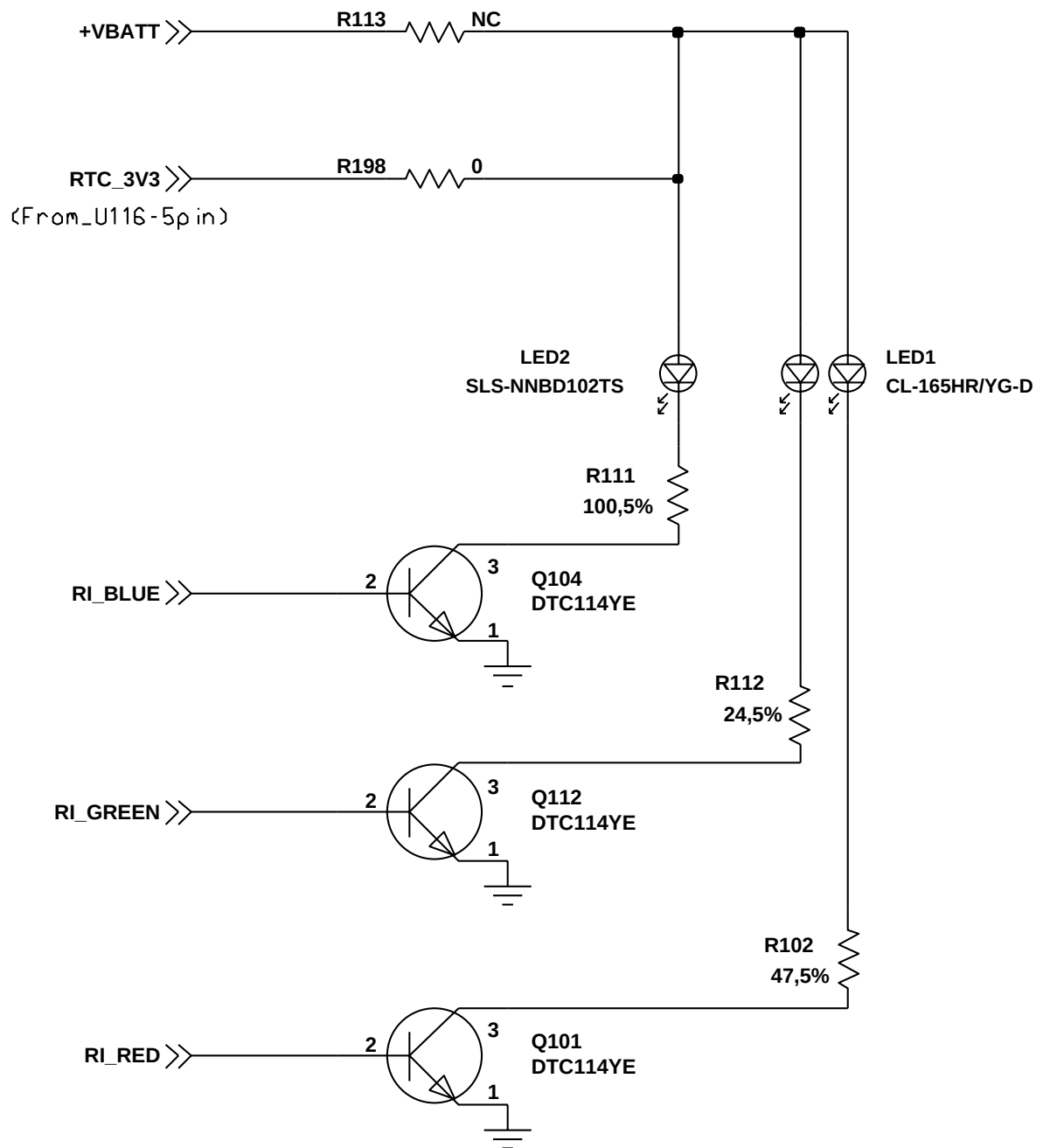
5-8 Alert Tone



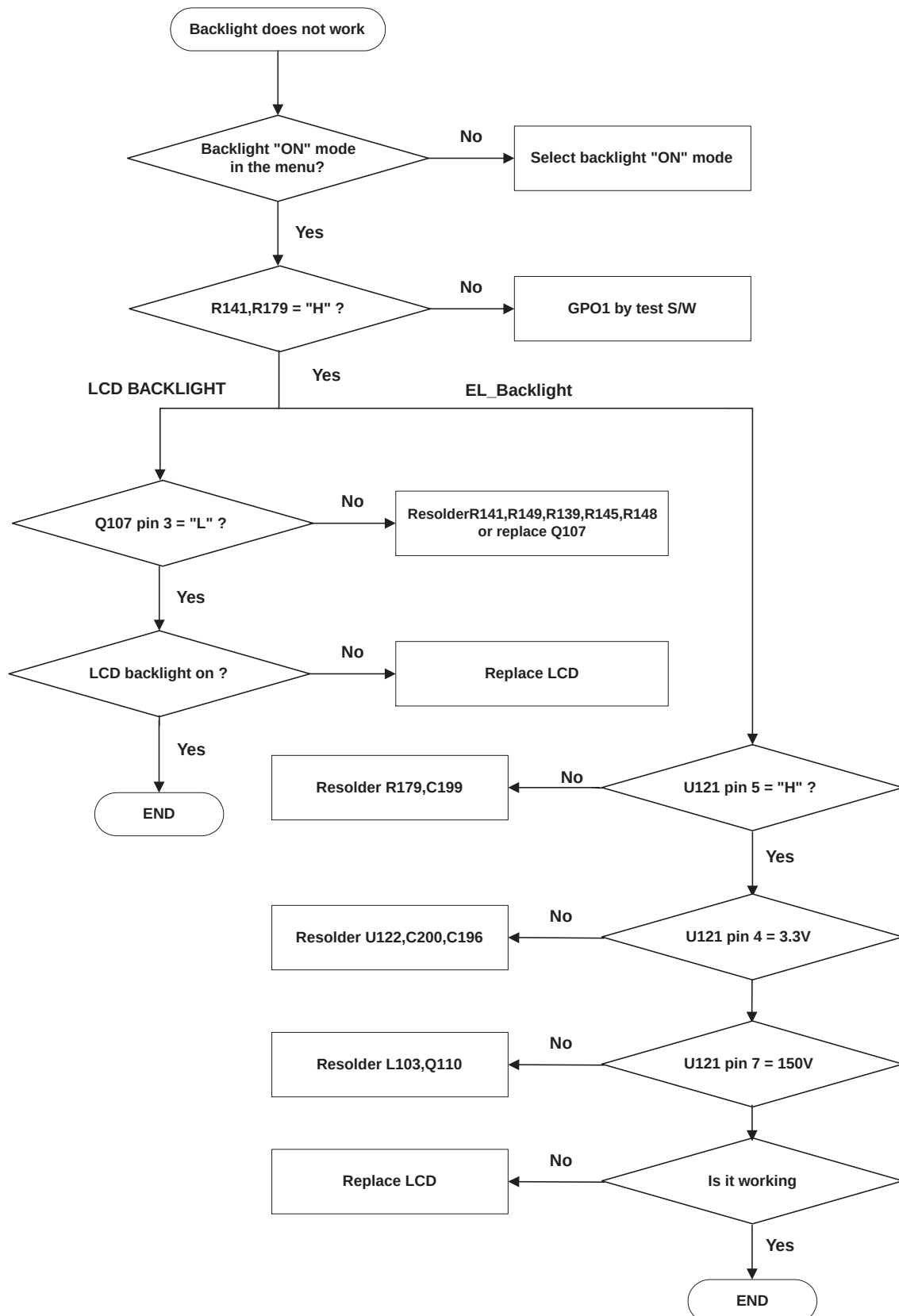


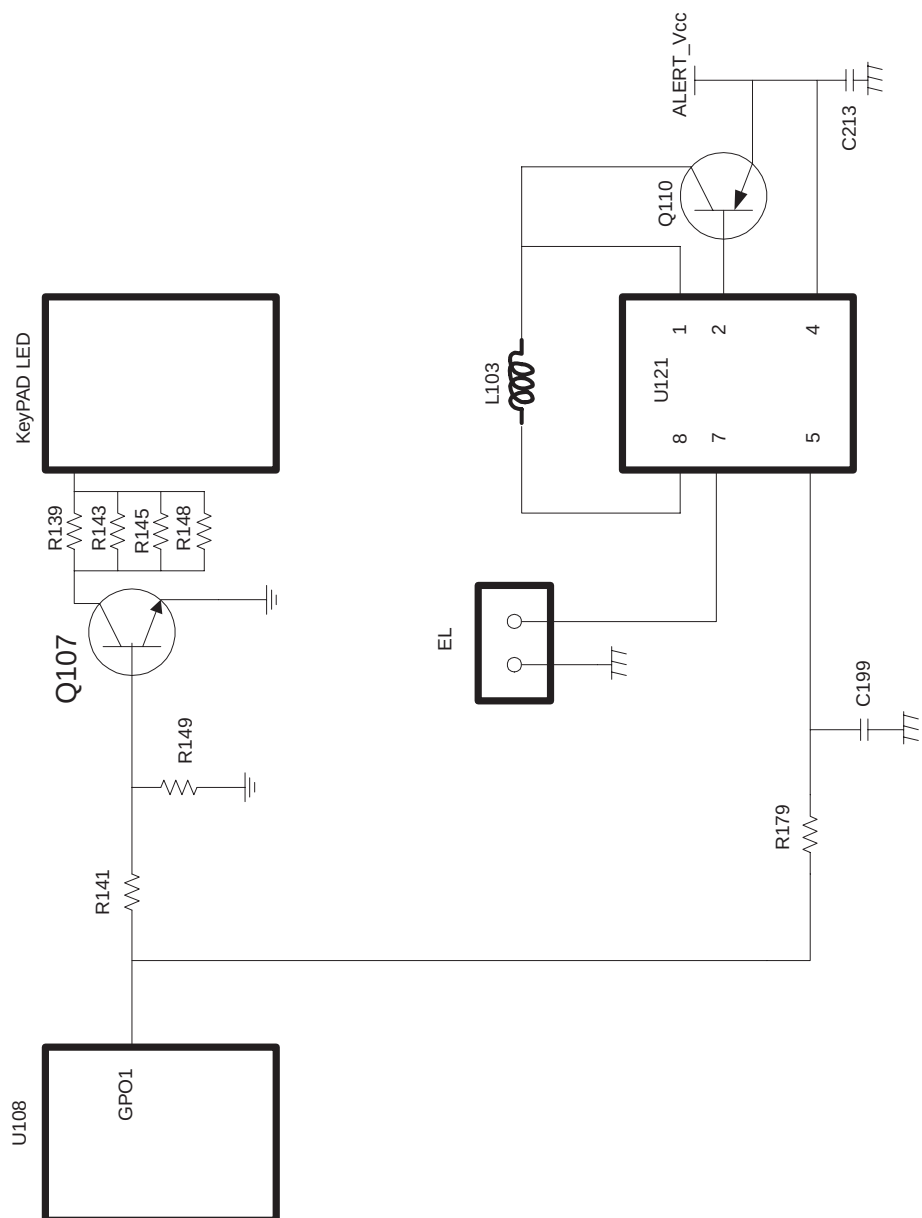
5-9 Ring Indicator



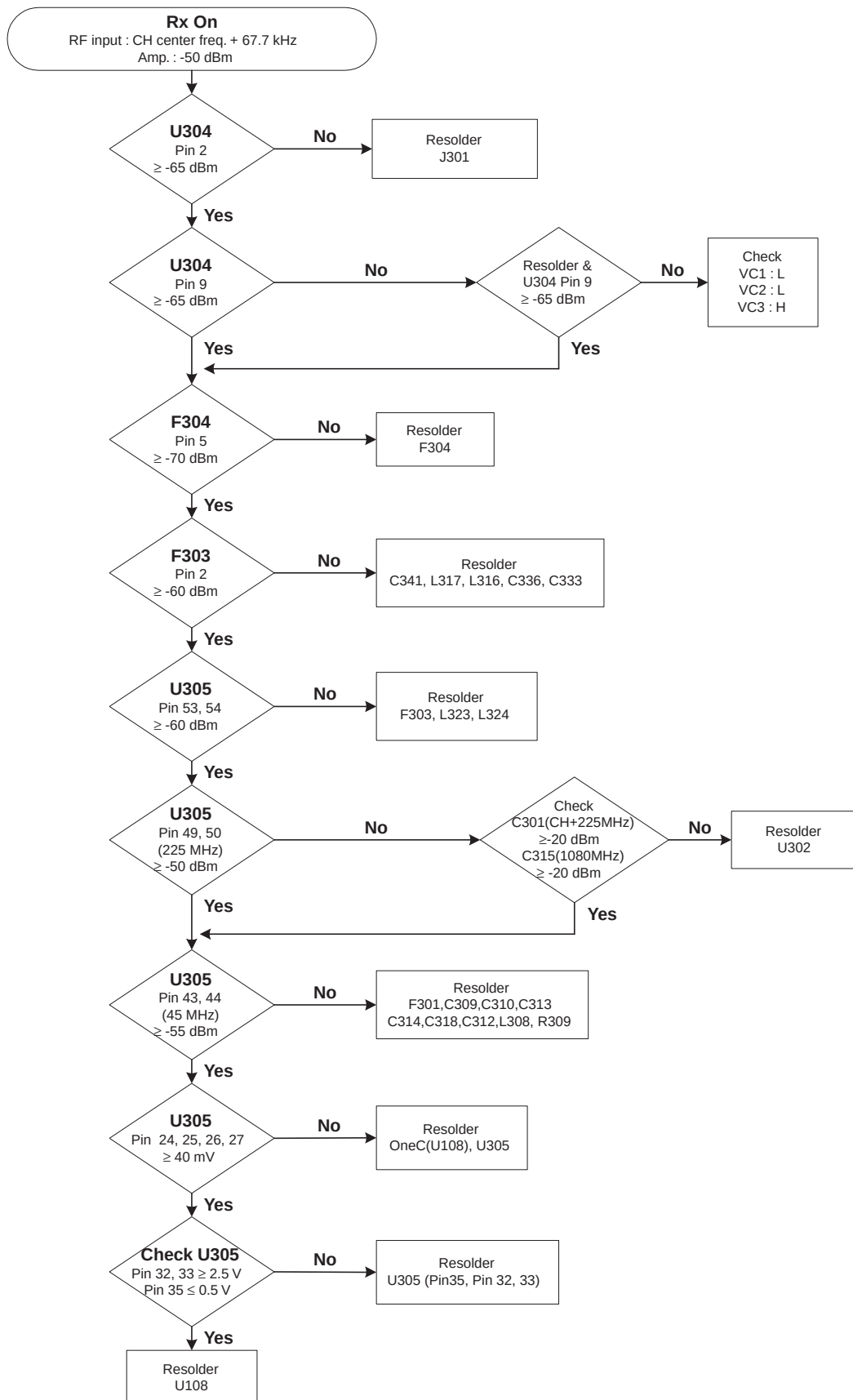


5-10 Back Light

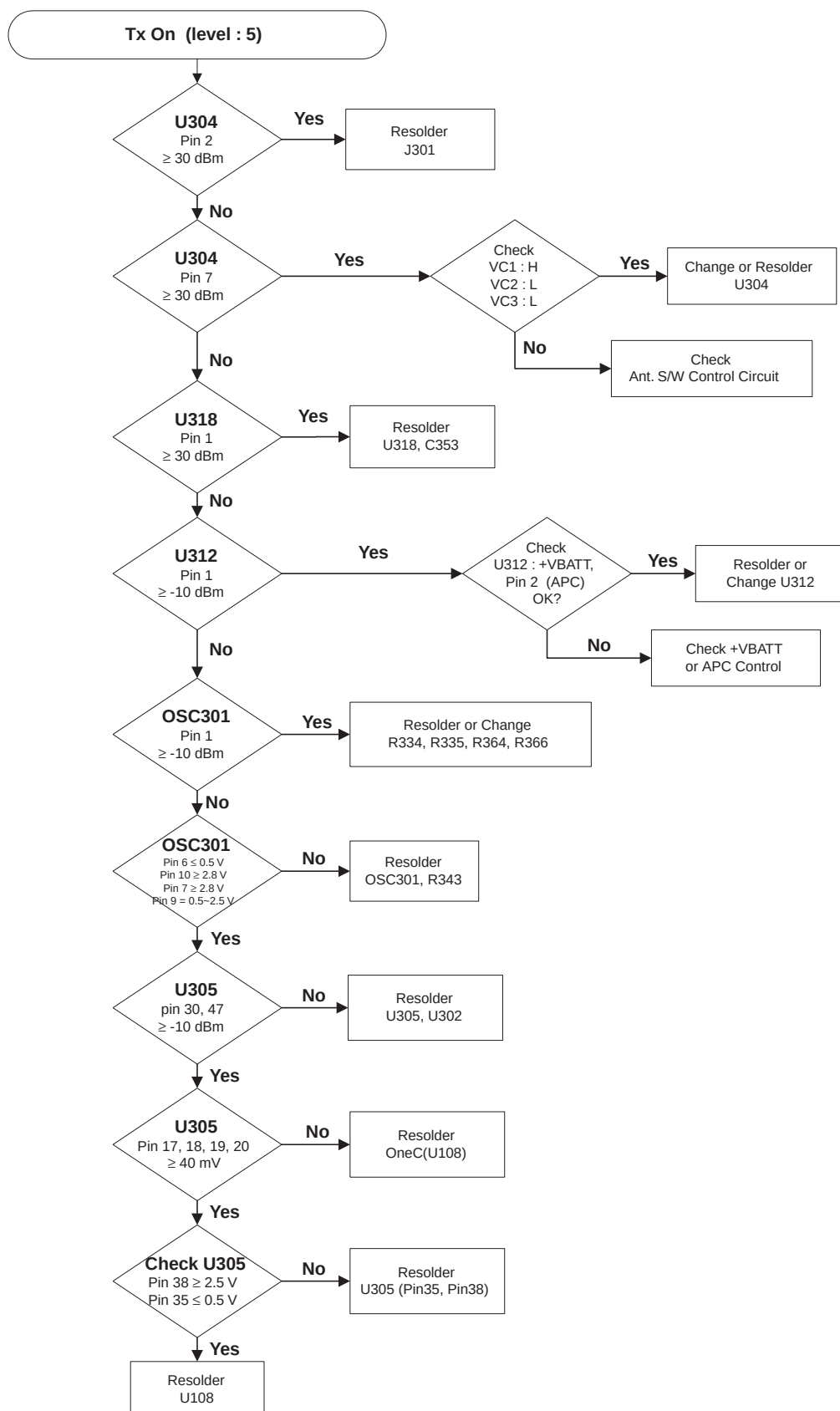




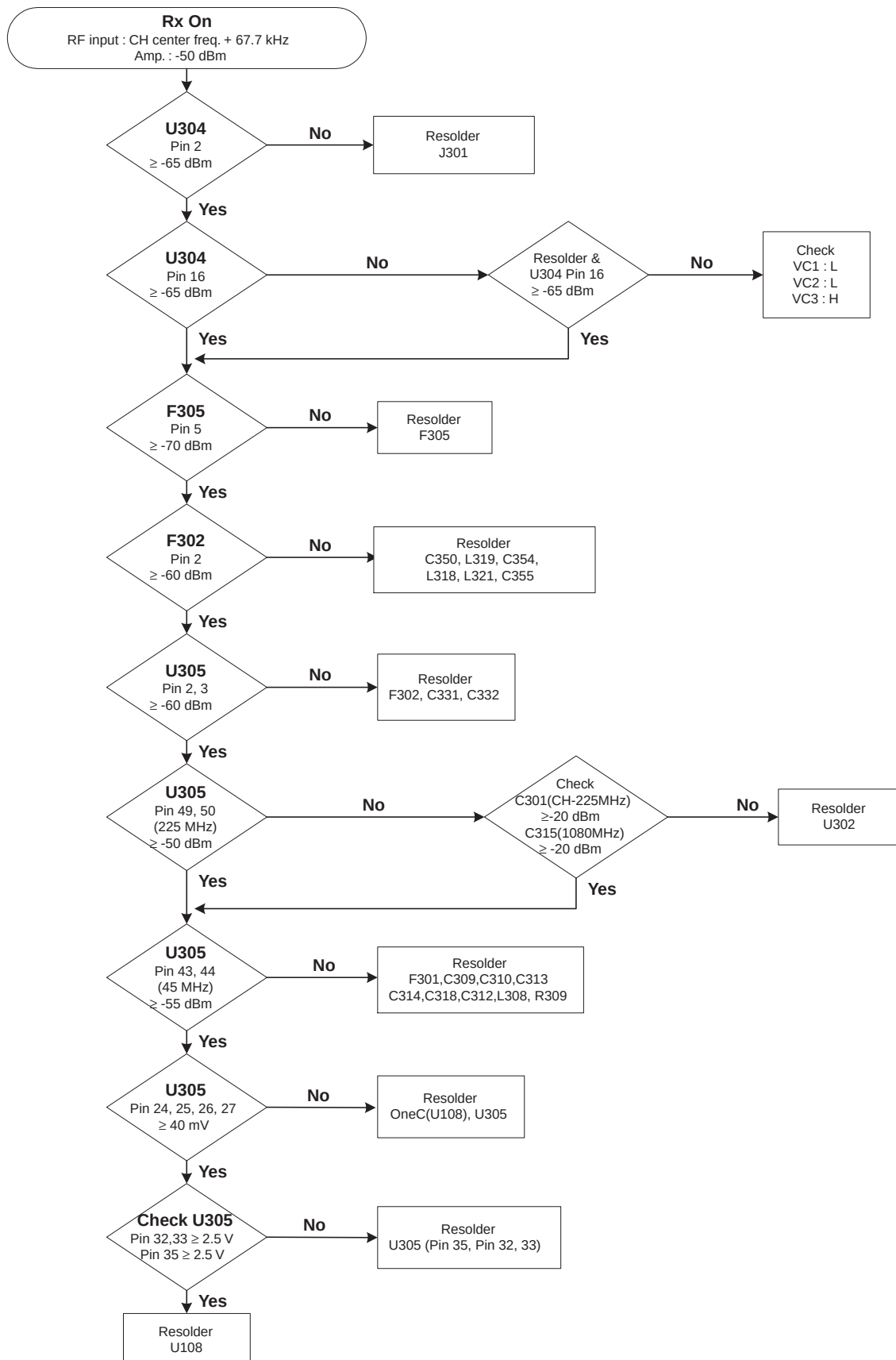
5-11 GSM Receiver



5-12 GSM Transmitter



5-13 DCS Receiver



5-14 DCS Transmitter

