



DUAL BAND Mobile Cellular Phone SGH-T400

SERVICE Manual

DUAL BAND MOBILE CELLULAR PHONE



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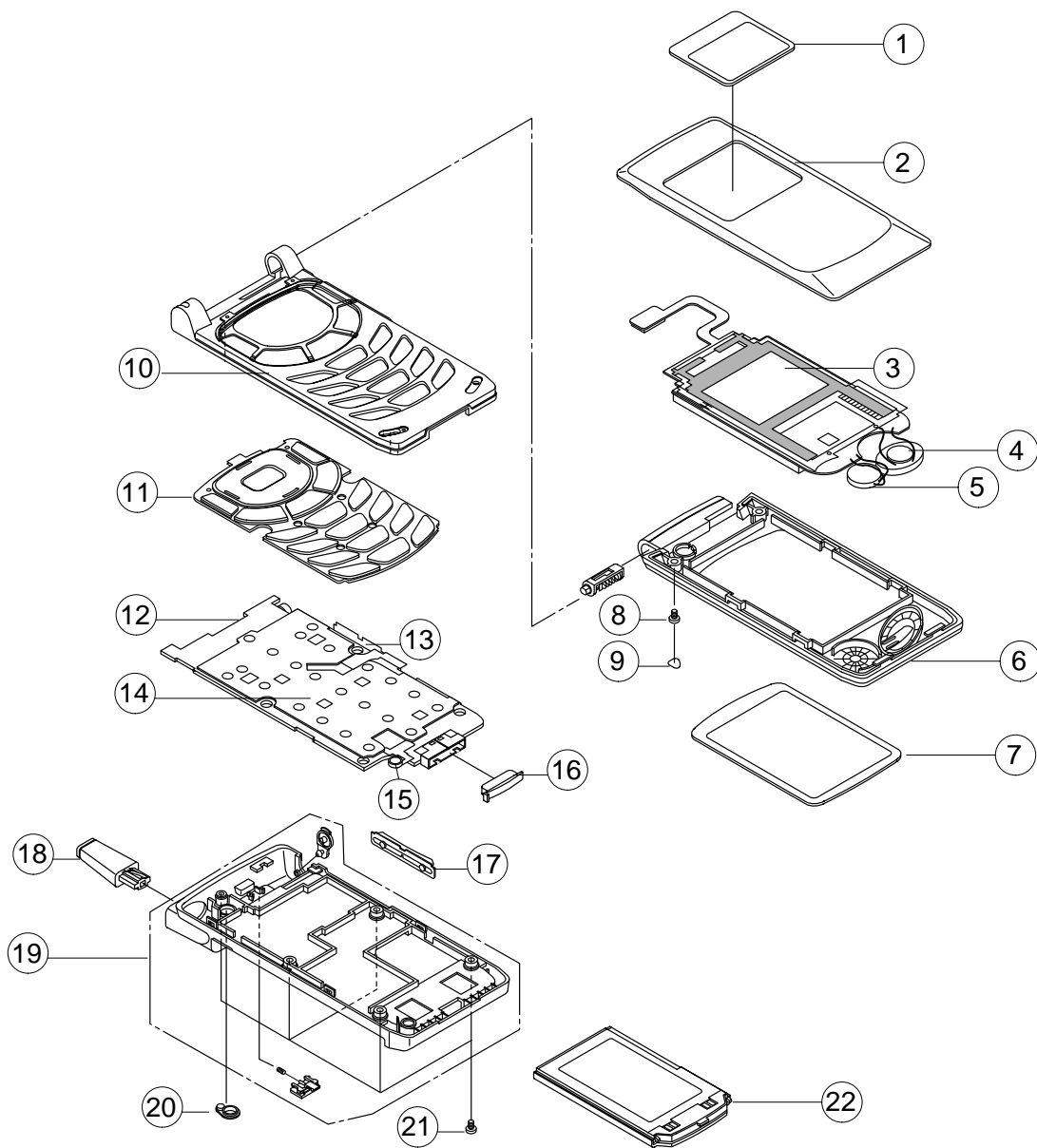
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1. SGH-T400 Exploded Views and Parts List

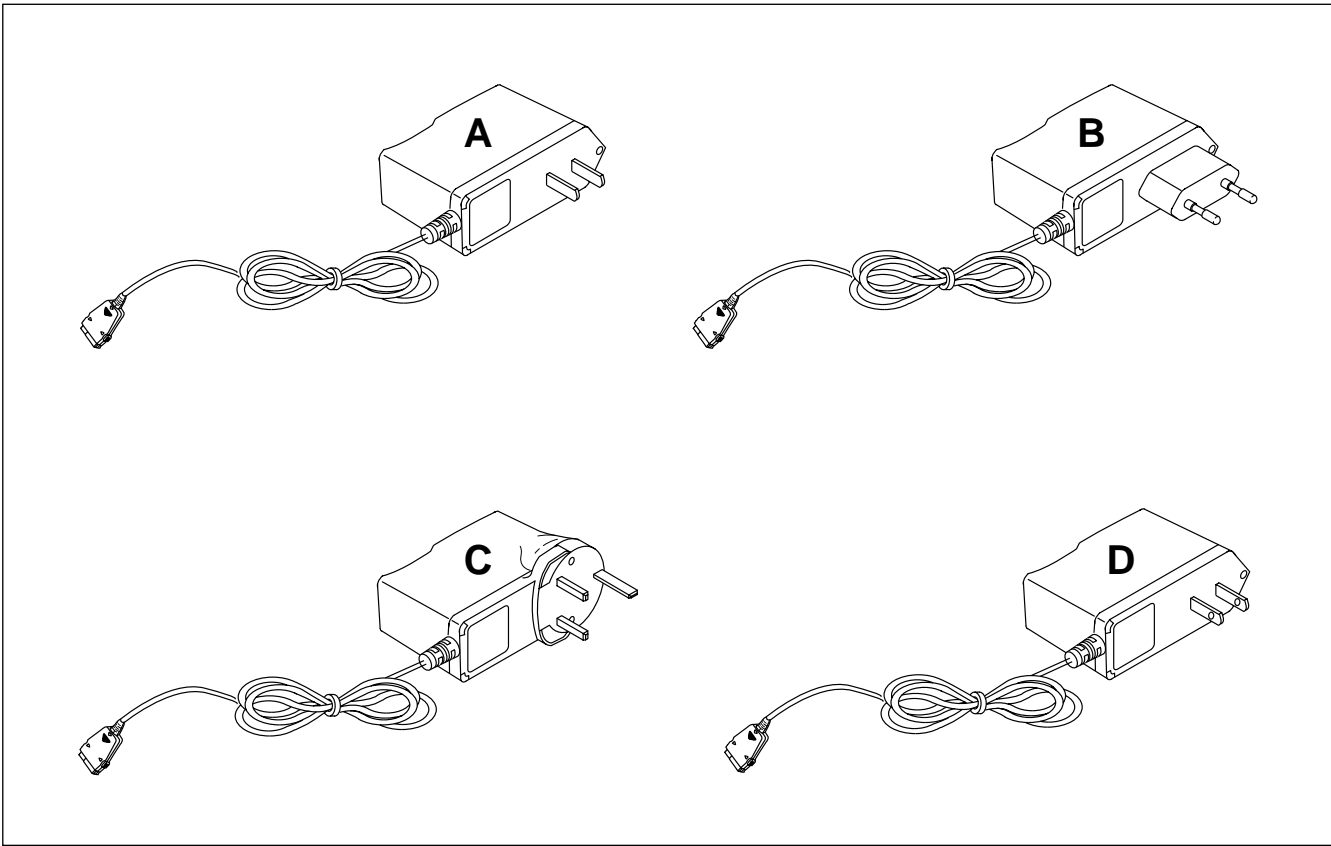
1-1 Main



1-2 Main Parts List

Location No.		Description	SEC CODE	Remark
1		DUAL WINDOW LCD	GH72-05005A	
2		FOLDER UPPER	GH75-02368A	
3		LCD	GH96-01231A	
4		SPEAKER	3001-001360	
5		MOTOR	3101-001294	
6		FOLDER LOWER	GH75-02369A	
7		WINDOW LCD	GH72-05004A	
8		SCREW	6001-001429	
9		SCREW CAP	GH74-03025A	
10		FRONT COVER	GH75-02367A	
11		KEYPAD	GH75-02371A	
12		MAIN PBA	GH92-01367A	
13		VOLKEY F-PCB	GH59-00593A	
14		DOME SHEET	GH59-00598A	
15		MIC	GH59-00611A	
16		CONNECTOR COVER	GH73-01331A	
17		SIDE KEY	GH75-02372A	
18		ANTENNA	GH42-00236A	
19		REAR COVER	GH75-02370A	
20		RF/COVER	GH73-01332A	
21		SCREW	6001-001479	
22		BATTERY	GH43-00662A	

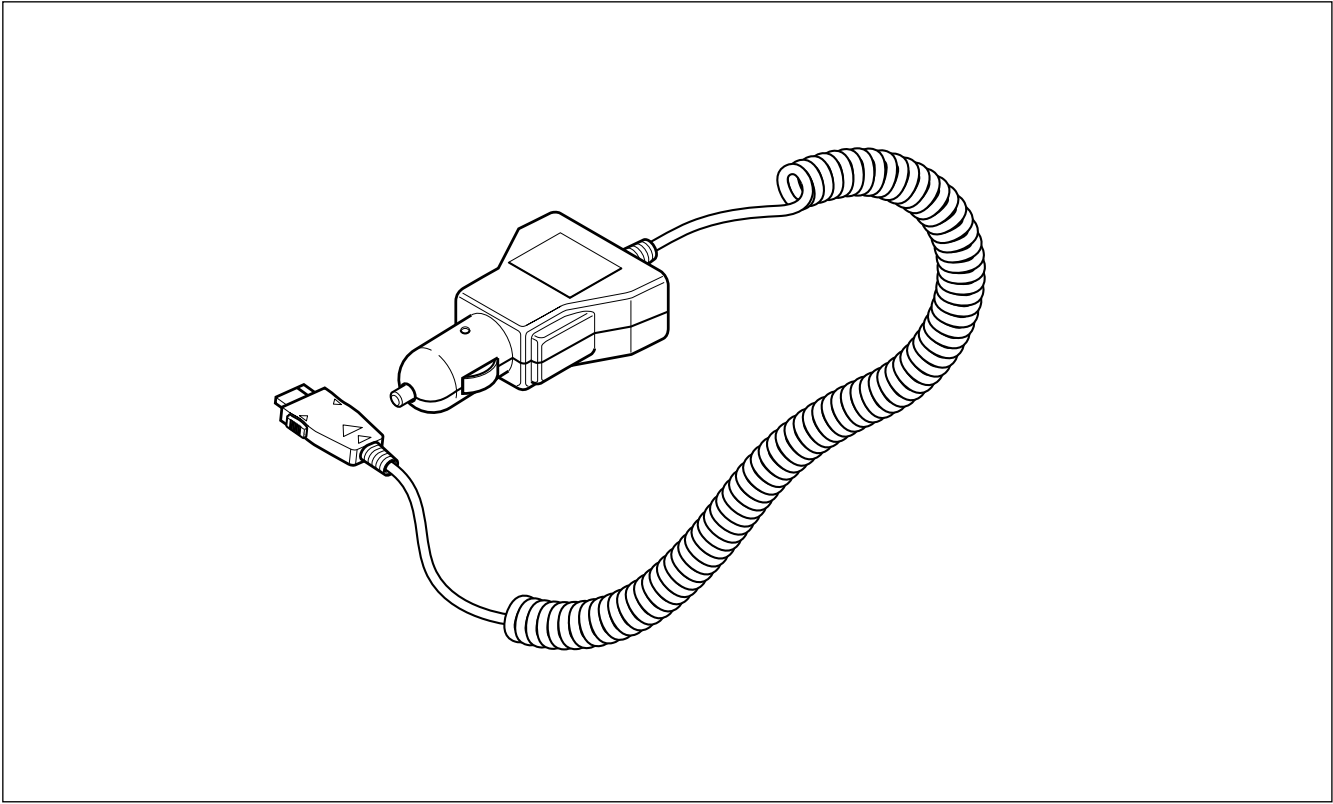
1-3 Travel Adapter



1-4 Travel Adapter Parts List

TYPE	SEC CODE	REMARK
A	GH44-00171A	CHINA
B	GH44-00184A	EUROPE
C	GH44-00171C	UNITED KINGDOM
D	Gh44-00171E	TAIWAN

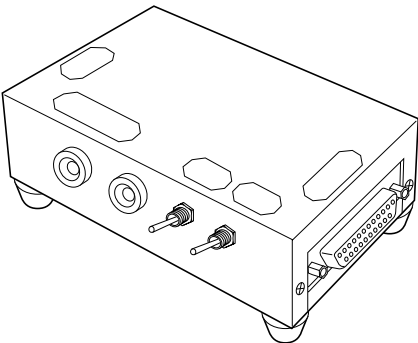
1-5 Ciger Light Adapter



1-6 Ciger Light Adapter Parts List

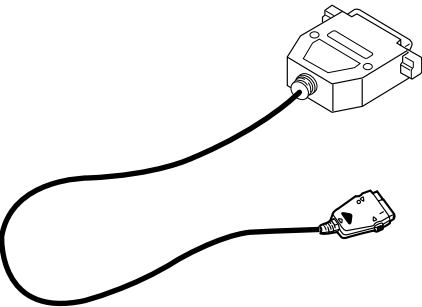
DESCRIPTION	SEC CODE	REMARK
Ciger Light Adapter Code	GH44-00170A	BLACK

1-7 Test Jig



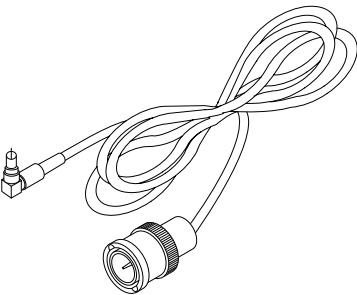
TEST JIG

GH80-10508A



TEST JIG CABLE

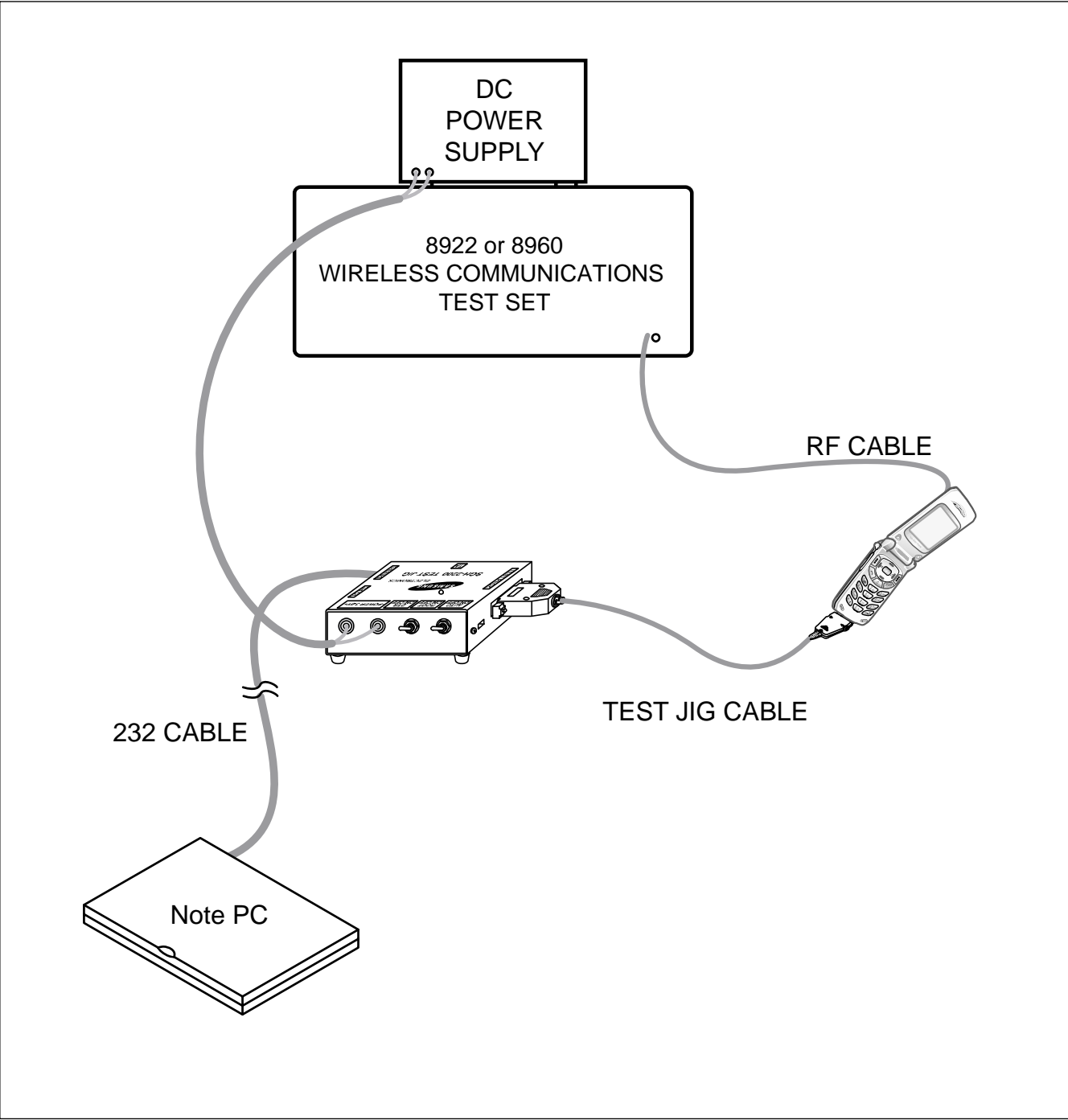
GH39-00079A



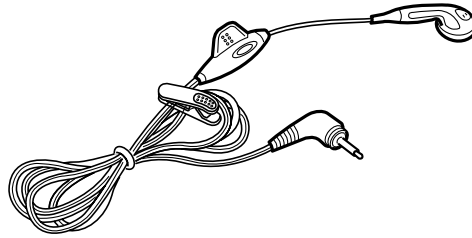
RF CABLE

GH39-00182A

1-7-1 Test Jig



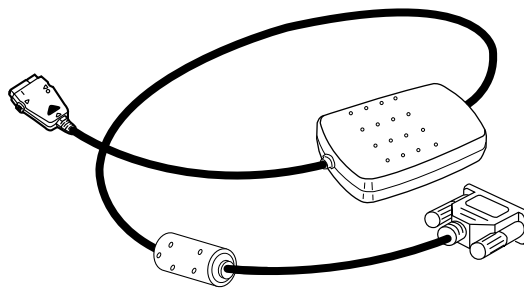
1-8 Wearable EAR Microphone



Wearable EAR Microphone

GH59-00394B

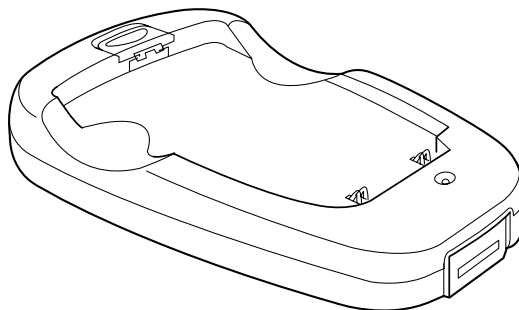
1-9 Data Kit



DATA KIT

GH39-00143B

1-10 Battery Charger

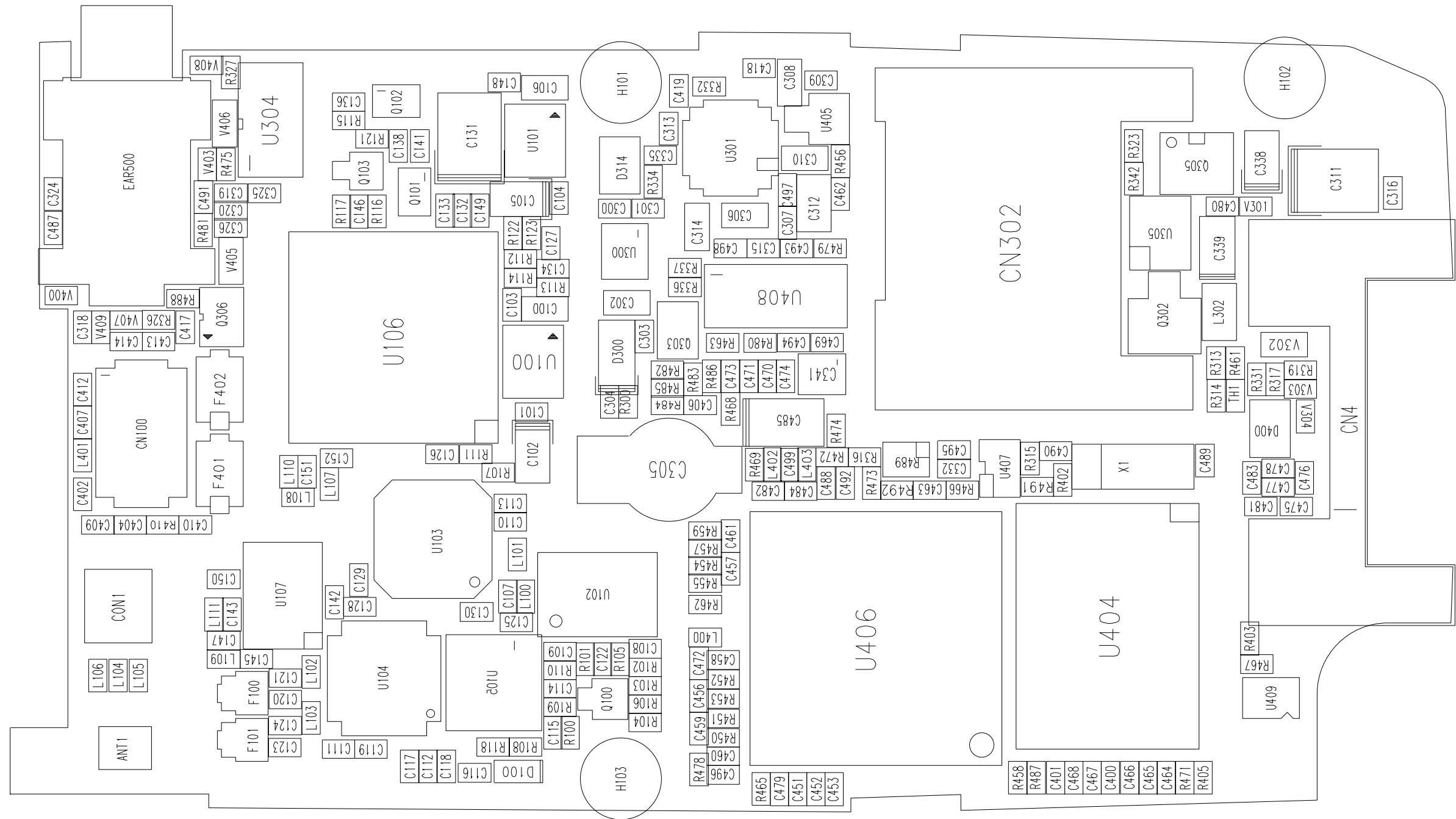


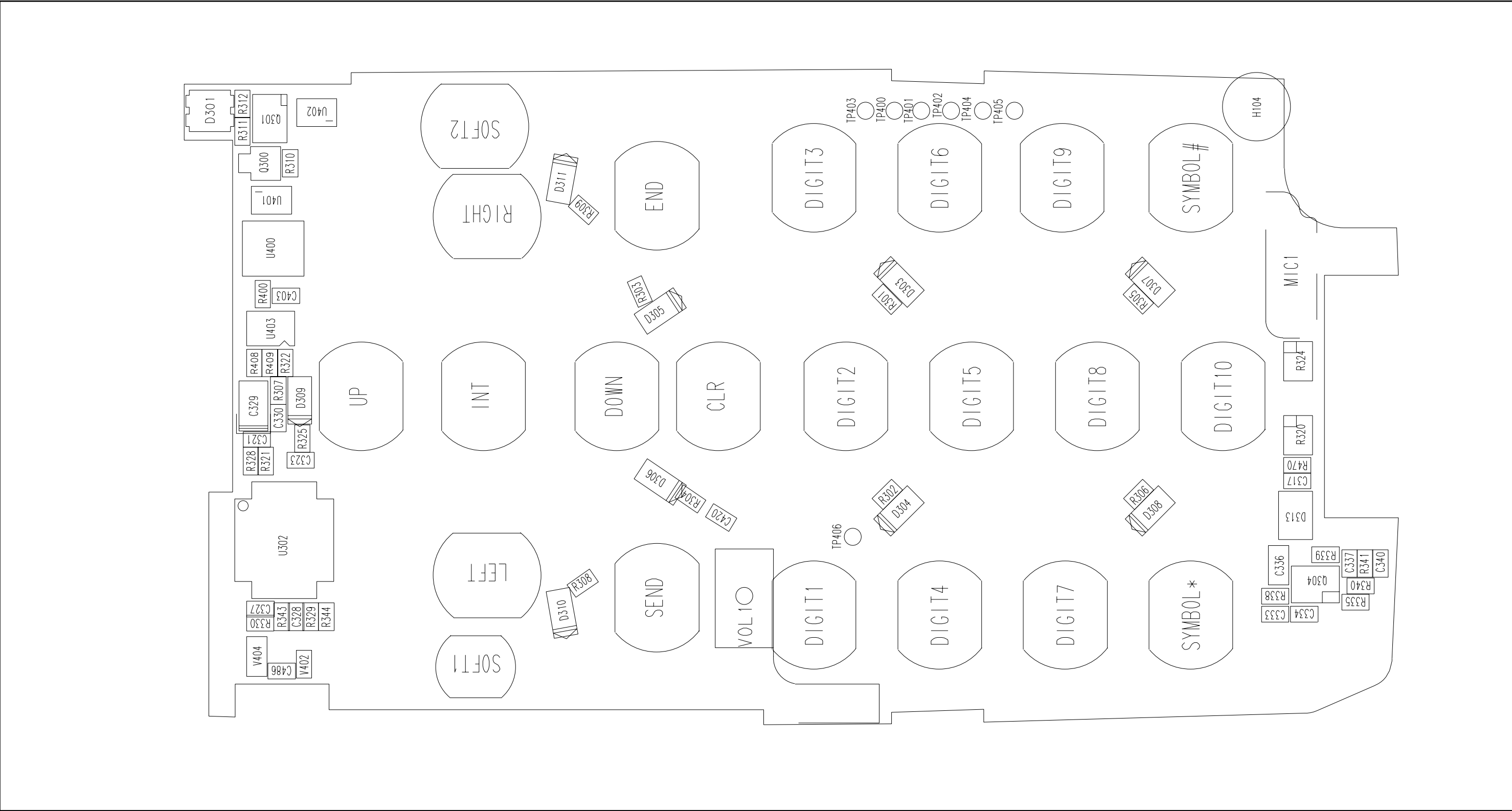
BATTERY CHARGER

GH44-00279A

2. PCB Diagrams

2-1 Main Top





3. Electrical Parts List

3-1 Main Parts List Top

NO	Reference	SEC CODE	Part Description	Vendor Part No.
1	D300	0401-001033	DIODE-SWITCHING;MCL4154	MCL4154
2	D400	0406-001083	DIODE-TVS;ESDA6V1W5	ESDA6V1W5
3	D314	0407-001007	DIODE-ARRAY;UMN1	UMN1
4	Q100	0501-000225	TR-SMALL SIGNAL;2SC4617	2SC4617
5	Q302	0501-002011	TR-SMALL SIGNAL;2SD2114KT146V	2SD2114KT146V
6	Q305	0502-001201	TR-POWER;ZXT13P20DE6	ZXT13P20DE6
7	Q103	0504-001049	TR-DIGITAL;DTA114YET1	DTA114YET1
8	Q101	0504-001058	TR-DIGITAL;RN4985-TE85L	RN4985-TE85L
9	Q102	0504-001058	TR-DIGITAL;RN4985-TE85L	RN4985-TE85L
10	Q306	0505-001332	FET-SILICON;FDG6301N	FDG6301N
11	Q303	0506-001004	TR-ARRAY;UMC5NTL	UMC5NTL
12	U409	0801-002540	IC-CMOS LOGIC;NC7SZ19P6X	NC7SZ19P6X
13	U407	1001-001145	IC-ANALOG SWITCH;MAX4599EXT-T	MAX4599EXT-T
14	U304	1001-001183	IC-ANALOG SWITCH;MAX4684EUB	MAX4684EUB
15	U106	1201-001889	COMP-SMD;RF3110	RF3110
16	U305	1203-002127	IC-BATTERY;LTC1734ES6-4.2#TR	LTC1734ES6-4.2#TR
17	U405	1203-002187	IC-BATTERY;MAX6326XR26-T	MAX6326XR26-T
18	U100	1203-002598	COMP-SMD;LP2981AIMX-2.8	LP2981AIMX-2.8
19	U406	1205-002035	COMP-SMD;VP40578	VP40578
20	U105	1205-002185	IC-INTERFACE;SI4201-BM	SI4201-BM
21	U103	1209-001434	IC-PLL/SYNTHESISER;SI4133T-BM	SI4133T-BM
22	TH1	1404-001256	COMP-SMD;B57231-V2473-J60	B57231-V2473-J60
23	V302	1405-001018	VARISTOR;VC060314A300R	VC060314A300R
24	V405	1405-001019	VARISTOR;VC060305A150R	VC060305A150R
25	V406	1405-001019	VARISTOR;VC060305A150R	VC060305A150R
26	V301	1405-001082	VARISTOR;VC040205X150R	VC040205X150R
27	V303	1405-001082	VARISTOR;VC040205X150R	VC040205X150R
28	V400	1405-001082	VARISTOR;VC040205X150R	VC040205X150R
29	V403	1405-001082	VARISTOR;VC040205X150R	VC040205X150R
30	V407	1405-001093	COMP-SMD;AVL 14K 02 200	AVL 14K 02 200
31	V408	1405-001093	COMP-SMD;AVL 14K 02 200	AVL 14K 02 200
32	R105	2007-000138	"R-CHIP;100,5%"	ERJ2GEJ101X
33	R317	2007-000138	"R-CHIP;100,5%"	ERJ2GEJ101X
34	R468	2007-000138	"R-CHIP;100,5%"	ERJ2GEJ101X
35	R474	2007-000139	"R-CHIP;220,5%"	ERJ2GEJ221X
36	R106	2007-000140	"R-CHIP;1K,5%"	ERJ2GEJ102X
37	R300	2007-000140	"R-CHIP;1K,5%"	ERJ2GEJ102X
38	R313	2007-000140	"R-CHIP;1K,5%"	ERJ2GEJ102X
39	R102	2007-000141	"R-CHIP;2.2K,5%"	ERJ2GEJ222X

NO	Reference	SEC CODE	Part Description	Vendor Part No.
40	R479	2007-000141	"R-CHIP;2.2K,5%"	ERJ2GEJ222X
41	R480	2007-000141	"R-CHIP;2.2K,5%"	ERJ2GEJ222X
42	R335	2007-000143	"R-CHIP;4.7K,5%"	ERJ2GEJ472X
43	R101	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
44	R115	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
45	R117	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
46	R325	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
47	R337	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
48	R456	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
49	R461	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
50	R462	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
51	R463	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
52	R478	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
53	R113	2007-000153	"R-CHIP;22K,5%"	ERJ2GEJ223X
54	R114	2007-000153	"R-CHIP;22K,5%"	ERJ2GEJ223X
55	R104	2007-000155	"R-CHIP;27K,5%"	ERJ2GEJ273X
56	R473	2007-000157	"R-CHIP;47K,5%"	ERJ2GEJ473X
57	R331	2007-000159	"R-CHIP;56K,5%"	ERJ2GEJ563X
58	R116	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
59	R314	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
60	R332	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
61	R334	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
62	R336	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
63	R402	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
64	R403	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
65	R405	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
66	"R466,"	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
67	R467	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
68	R483	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
69	R485	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
70	R488	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
71	R492	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
72	R100	2007-001244	"R-CHIP;91K,5%"	RC1005J913CS
73	R111	2007-001288	"R-CHIP;18,5%"	MCR01MZSJ180
74	R112	2007-001288	"R-CHIP;18,5%"	MCR01MZSJ180
75	R107	2007-001298	"R-CHIP;51,5%"	MCR01MZSJ510
76	R108	2007-001298	"R-CHIP;51,5%"	MCR01MZSJ510
77	R109	2007-001298	"R-CHIP;51,5%"	MCR01MZSJ510
78	R110	2007-001298	"R-CHIP;51,5%"	MCR01MZSJ510
79	R476	2007-001298	"R-CHIP;51,5%"	MCR01MZSJ510
80	R469	2007-002796	"R-CHIP;510,5%"	MCR01MZSJ511
81	R472	2007-002796	"R-CHIP;510,5%"	MCR01MZSJ511
82	R103	2007-002797	"R-CHIP;560,5%"	MCR01MZSJ511

NO	Reference	SEC CODE	Part Description	Vendor Part No.
83	R326	2007-003001	"R-CHIP;12,5%"	RMC16S-120J-TP
84	R327	2007-003001	"R-CHIP;12,5%"	RMC16S-120J-TP
85	R120	2007-007008	"R-CHIP;300,5%"	MCR01MZSJ301
86	R121	2007-007008	"R-CHIP;300,5%"	MCR01MZSJ301
87	R122	2007-007008	"R-CHIP;300,5%"	MCR01MZSJ301
88	R123	2007-007008	"R-CHIP;300,5%"	MCR01MZSJ301
89	R307	2007-007009	"R-CHIP;75ohm,5%"	RC1005J750CS
90	R450	2007-007317	"R-CHIP;2.2K,1%"	MCR01MZSF2201
91	R451	2007-007317	"R-CHIP;2.2K,1%"	MCR01MZSF2201
92	R452	2007-007317	"R-CHIP;2.2K,1%"	MCR01MZSF2201
93	R453	2007-007317	"R-CHIP;2.2K,1%"	MCR01MZSF2201
94	R454	2007-007318	"R-CHIP;1K,1%"	RK73H1ETP1001F
95	R455	2007-007318	"R-CHIP;1K,1%"	RK73H1ETP1001F
96	R457	2007-007318	"R-CHIP;1K,1%"	RK73H1ETP1001F
97	R459	2007-007318	"R-CHIP;1K,1%"	RK73H1ETP1001F
98	R118	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
99	R119	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
100	R319	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
101	R410	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
102	R475	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
103	R477	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
104	R481	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
105	R484	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
106	R490	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
107	R491	2007-007771	"R-CHIP;0,5%"	RC1005J000CS
108	R342	2007-008117	"R-CHIP;2.7K,1%"	ERJ2RKF2701X
109	R489	2011-001345	R-NETWORK;EXB28V103JX	EXB28V103JX
110	C404	2203-000138	"C-CERAMIC,CHIP;C152K,1.5NF,50V"	CL05B152KBNC
111	C113	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
112	C114	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
113	C115	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
114	C116	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
115	C117	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
116	C122	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
117	C132	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
118	C134	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
119	C301	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
120	C456	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
121	C458	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
122	C459	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
123	C460	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"	GRP1555C1H101JD01E
124	C101	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
125	C104	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT

NO	Reference	SEC CODE	Part Description	Vendor Part No.
126	C107	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
127	C108	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
128	C109	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
129	C149	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
130	C300	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
131	C303	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
132	C307	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
133	C309	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
134	C313	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
135	C315	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
136	C318	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
137	C453	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
138	C462	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
139	C463	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
140	C470	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
141	C471	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
142	C473	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"	CM05X7R103K16AT
143	C143	2203-000278	"C-CERAMIC,CHIP;C100D,10PF,50V"	ECUE1H100DCQ
144	C138	2203-000438	"C-CERAMIC,CHIP;C102K,1NF,50V"	C1005X7R1H102KT
145	C103	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
146	C136	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
147	C141	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
148	C142	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
149	C146	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
150	C147	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
151	C148	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
152	C320	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
153	C325	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
154	C326	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
155	C406	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
156	C407	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
157	C409	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
158	C410	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
159	C412	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
160	C413	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
161	C414	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
162	C417	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
163	C480	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
164	C489	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
165	C490	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
166	C496	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"	GRP1555C1H270JZ01E
167	C126	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
168	C127	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E

NO	Reference	SEC CODE	Part Description	Vendor Part No.
169	C133	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
170	C150	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
171	C151	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
172	C451	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
173	C452	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
174	C467	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
175	C468	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
176	C469	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
177	C495	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"	GRP1555C1H330JZ01E
178	C476	2203-000854	"C-CERAMIC,CHIP;C390J,39PF,50V"	GRP1555C1H330JZ01E
179	C481	2203-000854	"C-CERAMIC,CHIP;C390J,39PF,50V"	GRP1555C1H330JZ01E
180	C487	2203-000854	"C-CERAMIC,CHIP;C390J,39PF,50V"	GRP1555C1H330JZ01E
181	C484	2203-000854	"C-CERAMIC,CHIP;39PF"	GRP1555C1H330JZ01E
182	C319	2203-000870	"C-CERAMIC,CHIP;C030C,3PF,50V"	GRP1555C1H3R0CZ01E
183	C477	2203-001017	"C-CERAMIC,CHIP;C040C,4PF,50V"	CM05CG040C50AT
184	C493	2203-001259	"C-CERAMIC,CHIP;C080D,8PF,50V"	GRP1555C1H8R0DZ01E
185	C494	2203-001259	"C-CERAMIC,CHIP;C080D,8PF,50V"	GRP1555C1H8R0DZ01E
186	C110	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
187	C111	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
188	C112	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
189	C118	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
190	C119	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
191	C125	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
192	C128	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
193	C129	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
194	C130	2203-001405	"C-CERAMIC,CHIP;C223Z,22NF,25V"	CL05F223ZANC
195	C474	2203-003054	"C-CERAMIC,CHIP;C090C,9PF,50V"	C1005CG1H090CT
196	C497	2203-003054	"C-CERAMIC,CHIP;C090C,9PF,50V"	C1005CG1H090CT
197	C498	2203-003054	"C-CERAMIC,CHIP;C090C,9PF,50V"	C1005CG1H090CT
198	C123	2203-005050	"C-CERAMIC,CHIP;C1R8C,1.8PF,50V"	ECUW1H1R8CCQ
199	C124	2203-005050	"C-CERAMIC,CHIP;C1R8C,1.8PF,50V"	ECUW1H1R8CCQ
200	C316	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"	MCH153F104ZK
201	C317	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"	MCH153F104ZK
202	C324	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"	MCH153F104ZK
203	C332	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"	MCH153F104ZK
204	C335	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"	MCH153F104ZK
205	C400	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"	MCH153F104ZK
206	C100	2203-005065	"C-CERAMIC,CHIP;C105Z,1UF,10V"	C1608Y5V1A105ZT
207	C106	2203-005065	"C-CERAMIC,CHIP;C105Z,1UF,10V"	C1608Y5V1A105ZT
208	C310	2203-005065	"C-CERAMIC,CHIP;C105Z,1UF,10V"	C1608Y5V1A105ZT
209	C120	2203-005234	"C-CERAMIC,CHIP;C1R2C,1.2PF,50V"	GRP1555C1H1R2CZ01E
210	C121	2203-005234	"C-CERAMIC,CHIP;C1R2C,1.2PF,50V"	GRP1555C1H1R2CZ01E
211	C475	2203-005382	"C-CERAMIC,CHIP;6PF"	GRM40X7R391K200PT

NO	Reference	SEC CODE	Part Description	Vendor Part No.
212	C483	2203-005382	"C-CERAMIC,CHIP;6PF"	GRM40X7R391K200PT
213	C140	2203-005444	"C-CERAMIC,CHIP;3PF"	CM05CG3R0B50AH
214	C491	2203-005444	"C-CERAMIC,CHIP;C030B,3PF,50V"	CM05CG3R0B50AH
215	C145	2203-005450	"C-CERAMIC,CHIP;C5R6B,5.6PF,50V"	GRP1555C1H5R6BZ01E
216	C482	2203-005480	"C-CERAMIC,CHIP;C333K,33NF,10V"	GRP155R71A333KA01E
217	C488	2203-005480	"C-CERAMIC,CHIP;C333K,33NF,10V"	GRP155R71A333KA01E
218	C492	2203-005481	"C-CERAMIC,CHIP;C473K,47NF,10V"	GRP155R71A473KA01E
219	C304	2203-005482	"C-CERAMIC,CHIP;C104K,100NF,10V"	GRP155R61A104KA01E
220	C457	2203-005503	"C-CERAMIC,CHIP;C1801J,180PF,25V"	C1005CG1E181JT
221	C461	2203-005503	"C-CERAMIC,CHIP;C1801J,180PF,25V"	C1005CG1E181JT
222	C302	2203-006105	"C-CERAMIC,CHIP;C475K,4.7UF,6.3V"	GRM219R60J475KE11D
223	C306	2203-006105	"C-CERAMIC,CHIP;C475K,4.7UF,6.3V"	GRM219R60J475KE11D
224	C308	2203-006105	"C-CERAMIC,CHIP;C475K,4.7UF,6.3V"	GRM219R60J475KE11D
225	C312	2203-006105	"C-CERAMIC,CHIP;C475K,4.7UF,6.3V"	GRM219R60J475KE11D
226	C314	2203-006105	"C-CERAMIC,CHIP;C475K,4.7UF,6.3V"	GRM219R60J475KE11D
227	C102	2404-001105	"C-TA,CHIP;10UF/6.3V"	TESVSP0J106M8RTJ
228	C105	2404-001105	"C-TA,CHIP;10UF/6.3V"	TESVSP0J106M8RTJ
229	C338	2404-001105	"C-TA,CHIP;10UF/6.3V"	TESVSP0J106M8RTJ
230	C131	2404-001134	"C-TA,CHIP;100UF/6.3V"	595D107X06R3B2T
231	C311	2404-001134	"C-TA,CHIP;100UF/6.3V"	595D107X06R3B2T
232	C485	2404-001162	"C-TA,CHIP;F950G476MAAJZTQ2"	F950G476MAAJZTQ2
233	C339	2404-001268	"C-TA,CHIP;10UF/10V"	F951A106MPAAQ2
234	C341	2503-001041	COMP-SMD;CAP_4ARRAY_100PF	W2A43A101KAT2A
235	L101	2703-001751	INDUCTOR-SMD;LL1005-FH3N9S	LL1005-FH3N9S
236	L109	2703-001751	INDUCTOR-SMD;LL1005-FH3N9S	LL1005-FH3N9S
237	L100	2703-001943	INDUCTOR-SMD;HK1005-10NJ-T	HK1005-10NJ-T
238	L105	2703-002170	INDUCTOR-SMD;CIH05T6N8JNC	CIH05T6N8JNC
239	L107	2703-002176	INDUCTOR-SMD;CIH05T2N7SNC	CIH05T2N7SNC
240	L111	2703-002203	INDUCTOR-SMD;CIH05T15NJNC	CIH05T15NJNC
241	L400	2703-002269	INDUCTOR-SMD;CIH05T56NJNC	CIH05T56NJNC
242	X1	2801-004025	CRYSTAL-UNIT;FC-255	FC-255
243	F401	2901-001234	FILTER-EMI SMD;NFA31GD4704704D	NFA31GD4704704D
244	F402	2901-001234	FILTER-EMI SMD;NFA31GD4704704D	NFA31GD4704704D
245	L302	3301-001120	CORE-FERRITE BEAD;BLM21P300SPT	BLM21P300SPT
246	L401	3301-001362	CORE-FERRITE BEAD;BLM10A102SGPT	BLM10A102SGPT
247	CN4	3710-001816	CONNECTOR-SOCKET;1004-0018-319	1004-0018-319
248	EAR500	3722-001715	JACK-PHONE;02-828P0-53BKA	02-828P0-53BKA
249	C305	4302-001119	BATTERY-LI;RB414II06N	RB414II06N

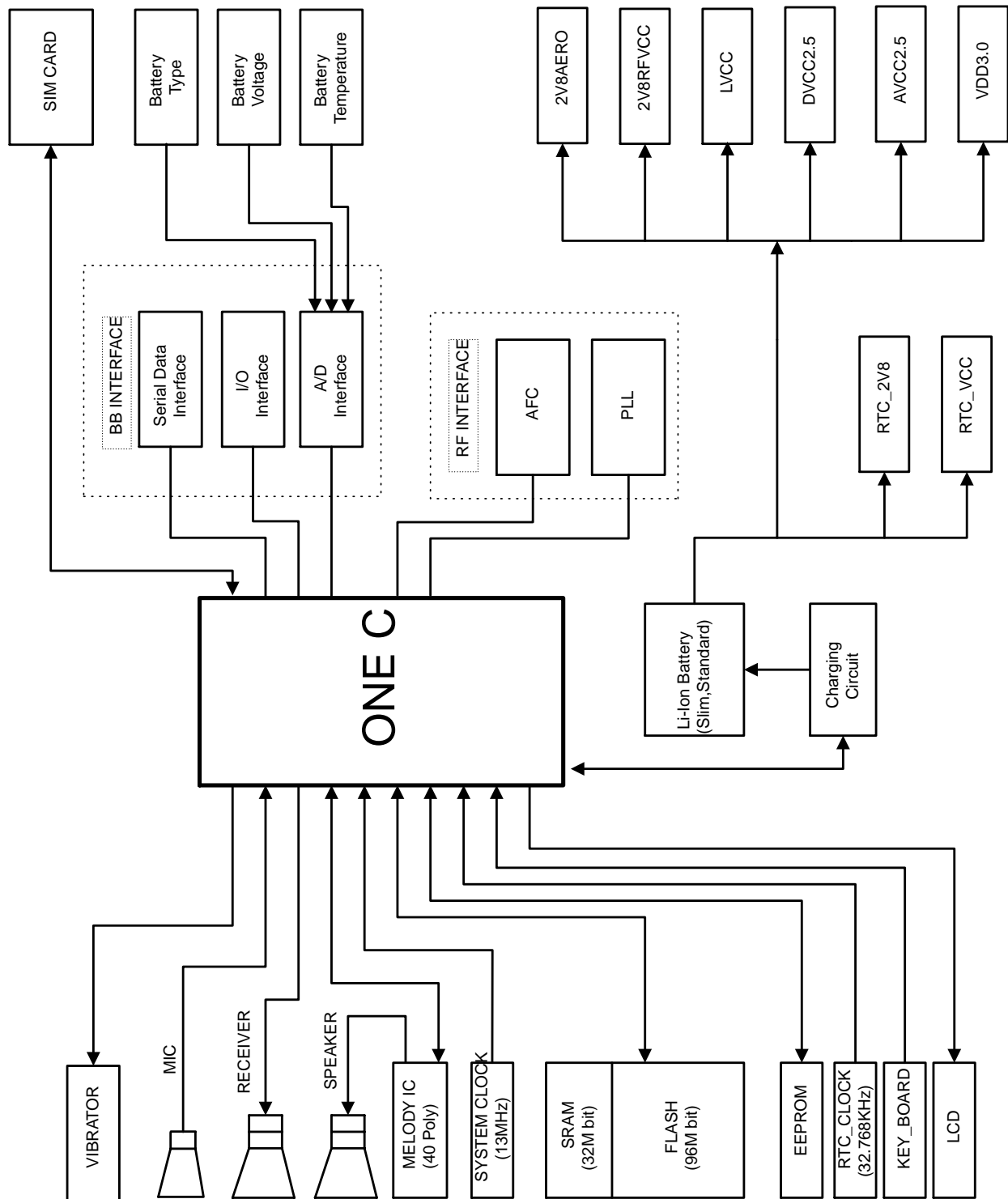
3-2 Main Parts List Bottom

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1	D313	0406-001083	DIODE-TVS;ESDA6V1W5	ESDA6V1W5
2	Q300	0504-001012	TR-DIGITAL;DTC114YE	DTC114YE
3	U401	0504-001060	TR-DIGITAL;BCR08PN	BCR08PN
4	U402	0504-001060	TR-DIGITAL;BCR08PN	BCR08PN
5	Q304	0505-001570	FET-SILICON;SI1865DL	SI1865DL
6	Q301	0506-001052	TR-ARRAY;UMH9N-TN	UMH9N-TN
7	D301	0601-001543	COMP-SMD;HL500-F01	HL500-F01
8	D303	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
9	D304	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
10	D305	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
11	D306	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
12	D308	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
13	D309	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
14	D310	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
15	D307	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
16	D311	0601-001611	LED;SLS-NNWH102TS	SLS-NNWH102TS
17	U403	0801-002540	IC-CMOS LOGIC;NC7SZ19P6X	NC7SZ19P6X
18	U400	1009-001010	IC-HALL EFFECT S/W;A3212ELH-SAMSUNG	A3212ELH-SAMSUNG
19	U302	1204-001960	IC-MELODY;YMU762 MA-3	YMU762 MA-3
20	V401	1405-001019	VARISTOR;VC060305A150R	VC060305A150R
21	V402	1405-001082	VARISTOR;VC040205X150R	VC040205X150R
22	V304	1405-001082	VARISTOR;VC040205X150R	VC040205X150R
23	R315	2007-000138	"R-CHIP;100,5%"	ERJ2GEJ101X
24	R316	2007-000138	"R-CHIP;100,5%"	ERJ2GEJ101X
25	R465	2007-000148	"R-CHIP;10K,5%"	ERJ2GEJ103X
26	R339	2007-000152	"R-CHIP;20K,5%"	MCR01MZSJ203
27	R400	2007-000157	"R-CHIP;47K,5%"	ERJ2GEJ473X
28	R470	2007-000157	"R-CHIP;47K,5%"	ERJ2GEJ473X
29	R338	2007-000157	"R-CHIP;47K,5%"	ERJ2GEJ473X
30	R323	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
31	R322	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
32	R408	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
33	R409	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
34	R487	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
35	R458	2007-000162	"R-CHIP;100K,5%"	RC1005J104CS
36	R471	2007-000168	"R-CHIP;470K,5%"	ERJ2GEJ474X
37	R330	2007-000775	"R-CHIP;33K,5%"	ERJ2GEJ333X
38	R343	2007-001244	"R-CHIP;91K,5%"	RC1005J913CS
39	R311	2007-001301	"R-CHIP;68,5%"	ERJ2GEJ680X
40	R312	2007-001306	"R-CHIP;150,5%"	MCR01MZSJ151
41	R328	2007-001325	"R-CHIP;3.3K,5%"	MCR01MZSJ332

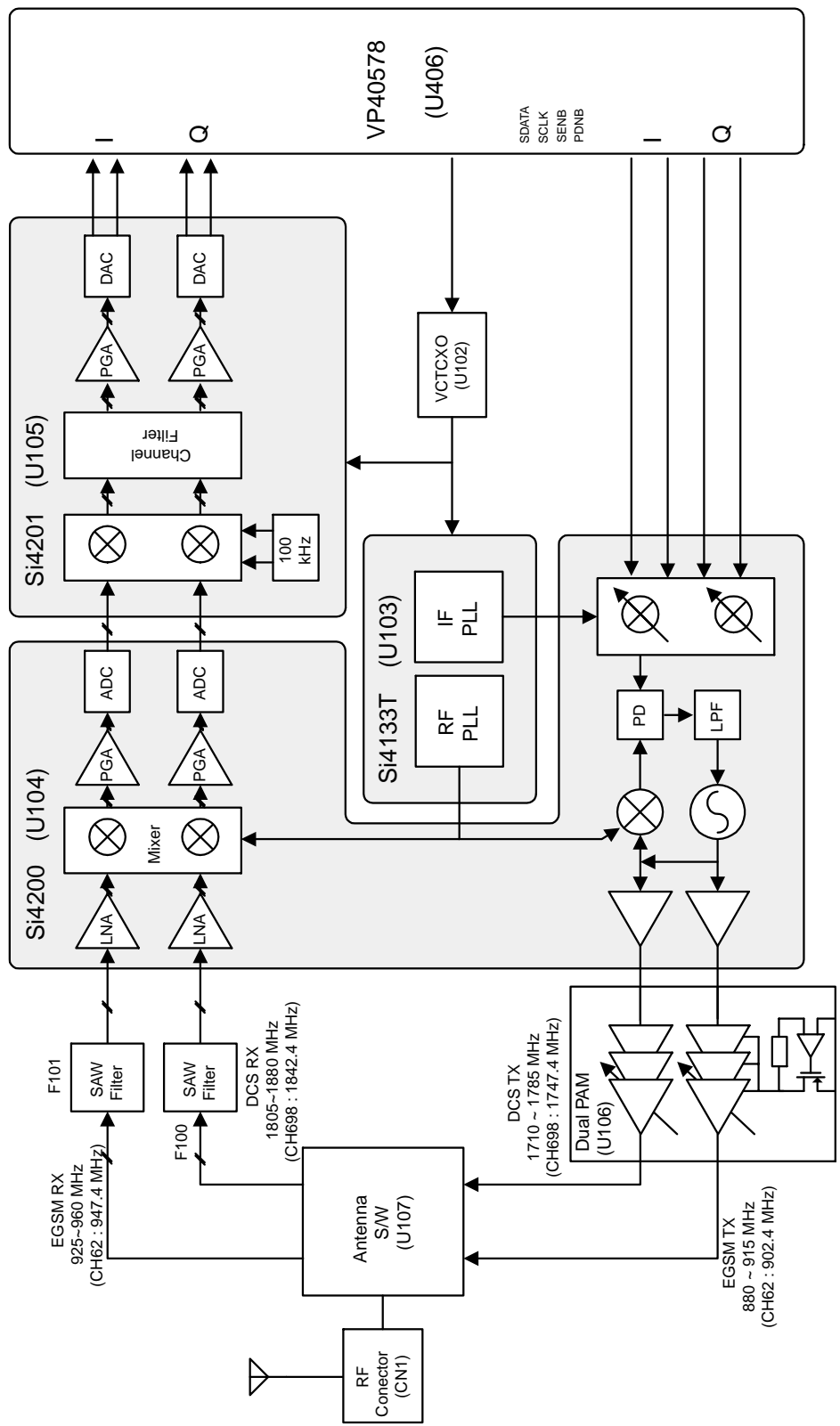
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42	R310	2007-007008	"R-CHIP;300,5%"		MCR01MZSJ301
43	R308	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
44	R309	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
45	R301	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
46	R302	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
47	R303	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
48	R304	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
49	R305	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
50	R306	2007-007009	"R-CHIP;75ohm,5%"		RC1005J750CS
51	R344	2007-007090	"R-CHIP;11K,5%"		RK73K1ETP113J
52	R341	2007-007107	"R-CHIP;100K,1%"		RK73H1ETP1003F
53	R340	2007-007590	"R-CHIP;82K,1%"		MCR01MZSF8202
54	R329	2007-007771	"R-CHIP;0,5%"		RC1005J000CS
55	R321	2007-007771	"R-CHIP;0,5%"		RC1005J000CS
56	R320	2011-001344	COMP-SMD;CRB2A4E101JT		CRB2A4E101JT
57	C328	2203-000233	"C-CERAMIC,CHIP;C101J,100PF,50V"		GRP1555C1H101JD01E
58	C401	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"		CM05X7R103K16AT
59	C464	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"		CM05X7R103K16AT
60	C465	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"		CM05X7R103K16AT
61	C337	2203-000254	"C-CERAMIC,CHIP;C103K,10NF,16V"		CM05X7R103K16AT
62	C321	2203-000438	"C-CERAMIC,CHIP;C102K,1NF,50V"		C1005X7R1H102KT
63	C420	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"		GRP1555C1H270JZ01E
64	C479	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"		GRP1555C1H270JZ01E
65	C419	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"		GRP1555C1H270JZ01E
66	C418	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"		GRP1555C1H270JZ01E
67	C334	2203-000679	"C-CERAMIC,CHIP;C270J,27PF,50V"		GRP1555C1H270JZ01E
68	C466	2203-000812	"C-CERAMIC,CHIP;C330J,33PF,50V"		GRP1555C1H330JZ01E
69	C486	2203-000854	"C-CERAMIC,CHIP;C390J,39PF,50V"		GRP1555C1H330JZ01E
70	C403	2203-002443	"C-CERAMIC,CHIP;C331K,330PF,50V"		GRP155R71H331KD01E
71	C500	2203-003054	"C-CERAMIC,CHIP;C090C,9PF,50V"		C1005CG1H090CT
72	C499	2203-003054	"C-CERAMIC,CHIP;C090C,9PF,50V"		C1005CG1H090CT
73	C323	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"		MCH153F104ZK
74	C330	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"		MCH153F104ZK
75	C402	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"		MCH153F104ZK
76	C333	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"		MCH153F104ZK
77	C340	2203-005061	"C-CERAMIC,CHIP;C104Z,100NF,16V"		MCH153F104ZK
78	C336	2203-005065	"C-CERAMIC,CHIP;C105Z,1UF,10V"		C1608Y5V1A105ZT
79	C327	2203-005483	"C-CERAMIC,CHIP;C683K,68NF,10V"		GRP155R61A683KA01E
80	C322	2404-001086	"C-TA,CHIP;4.7UF/6.3V"		TESVSPOJ475M8RTJ
81	C329	2404-001086	"C-TA,CHIP;4.7UF/6.3V"		TESVSPOJ475M8RTJ

4. Block Diagrams

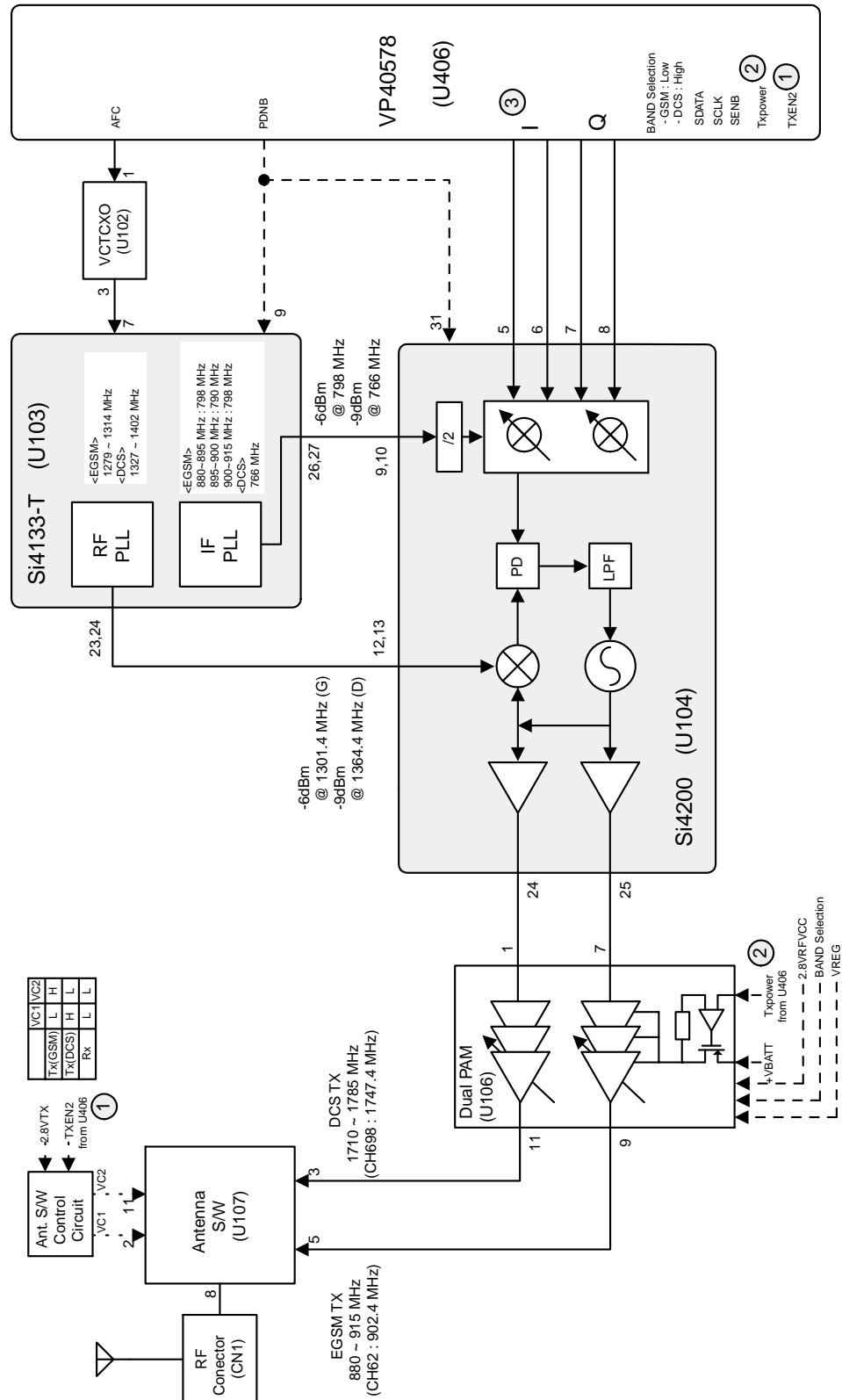
4-1 Main Baseband



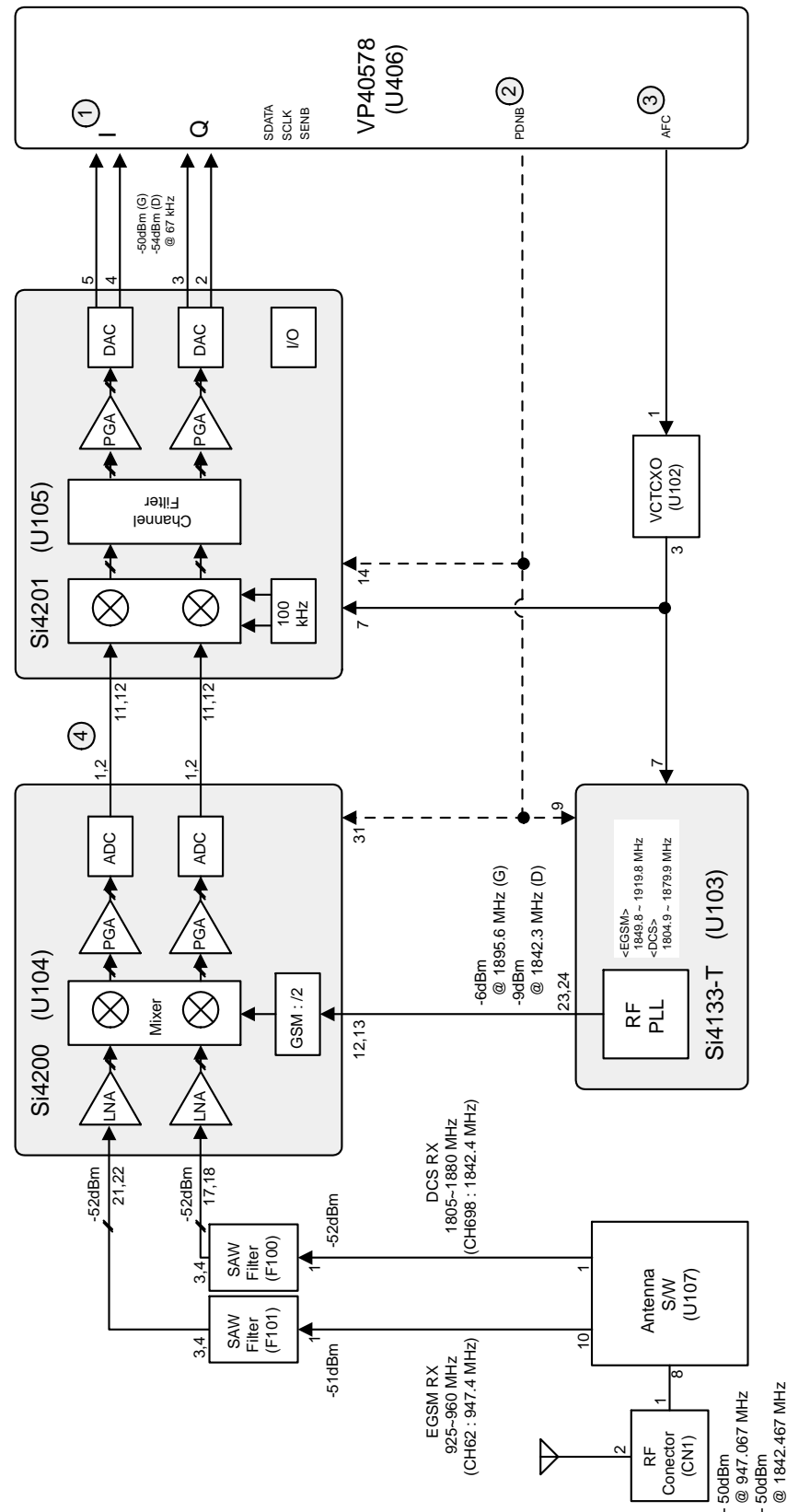
4-2 Main RF



4-2-1 RF Transmit Part

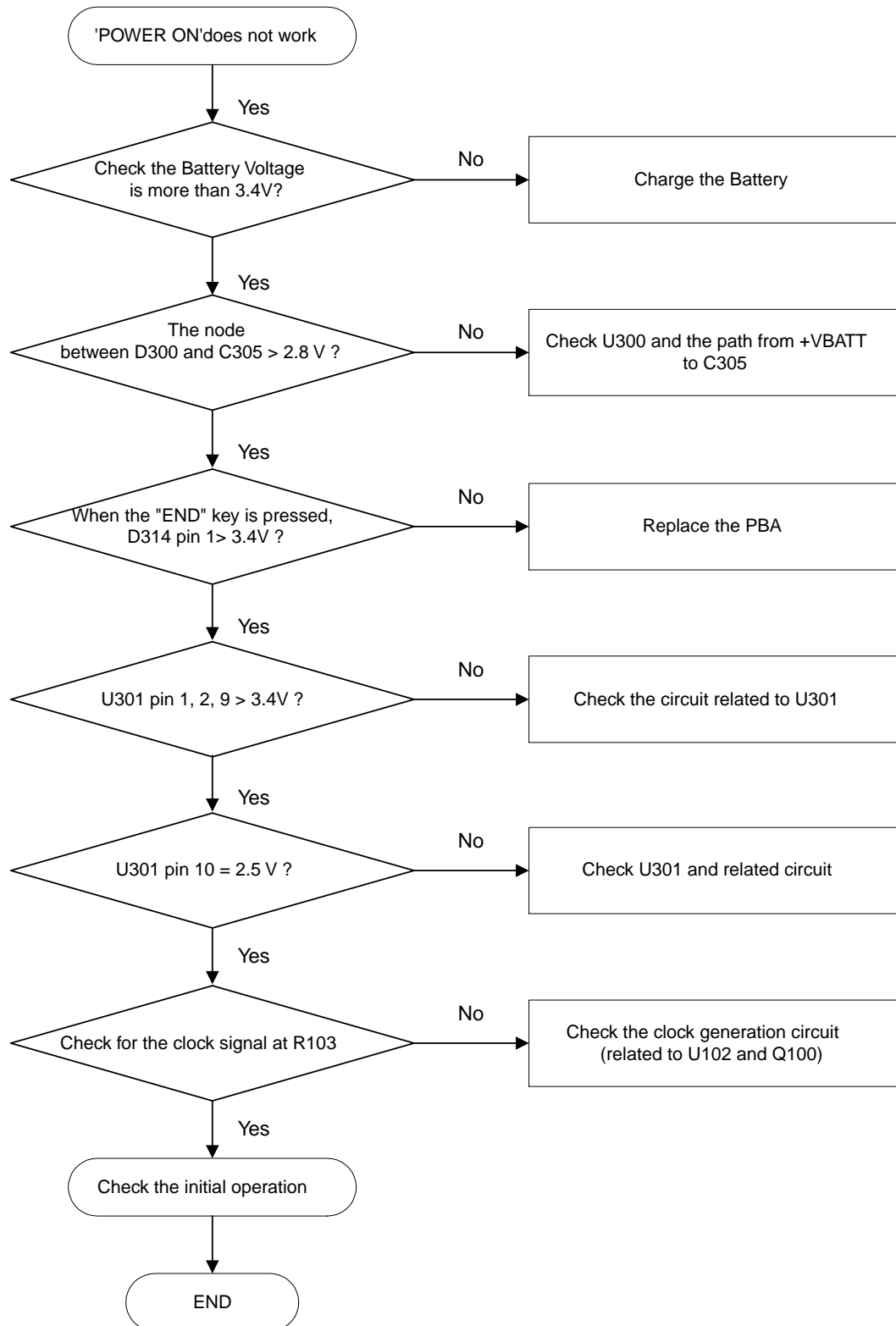


4-2-2 RF Receive Part

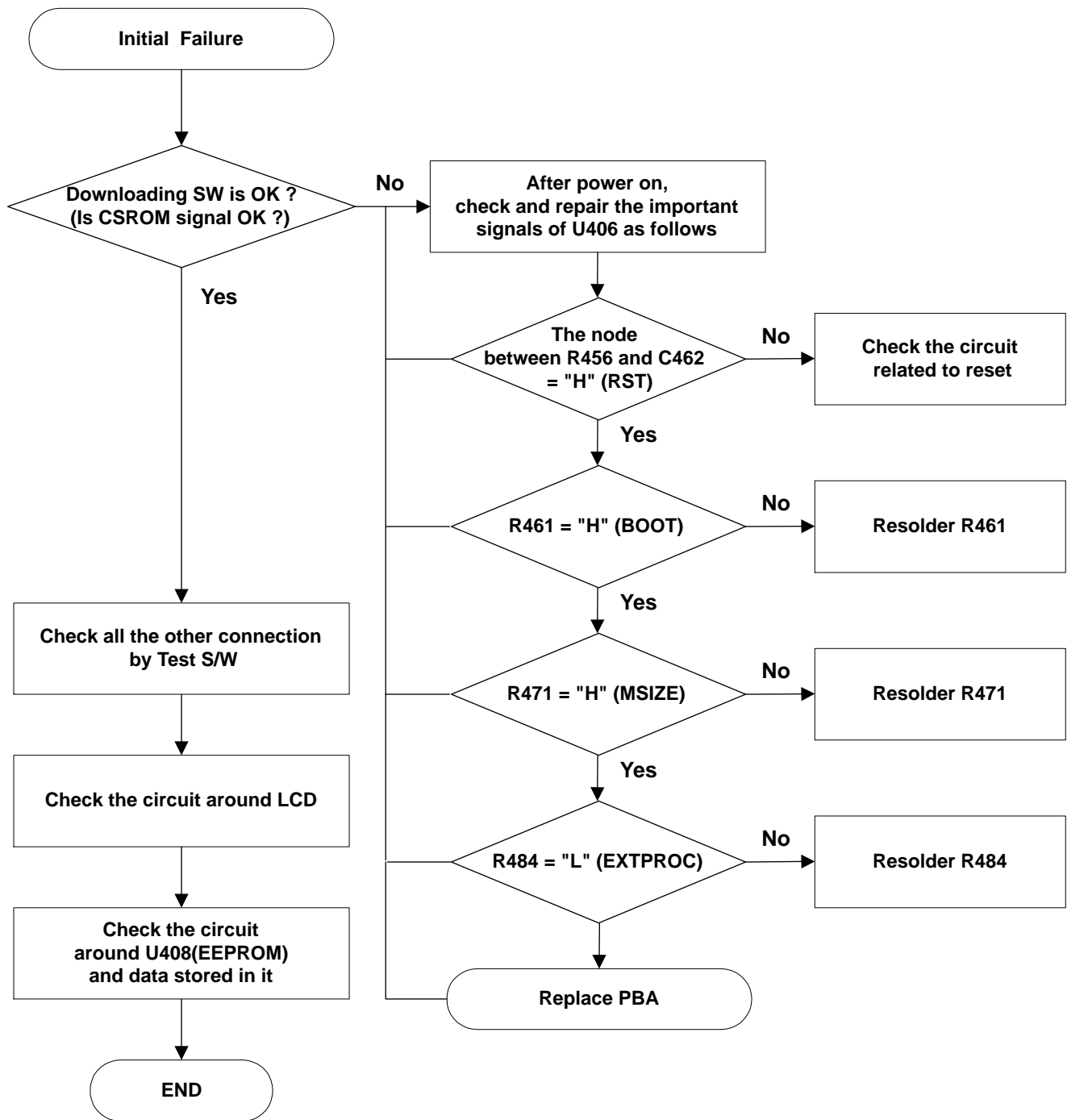


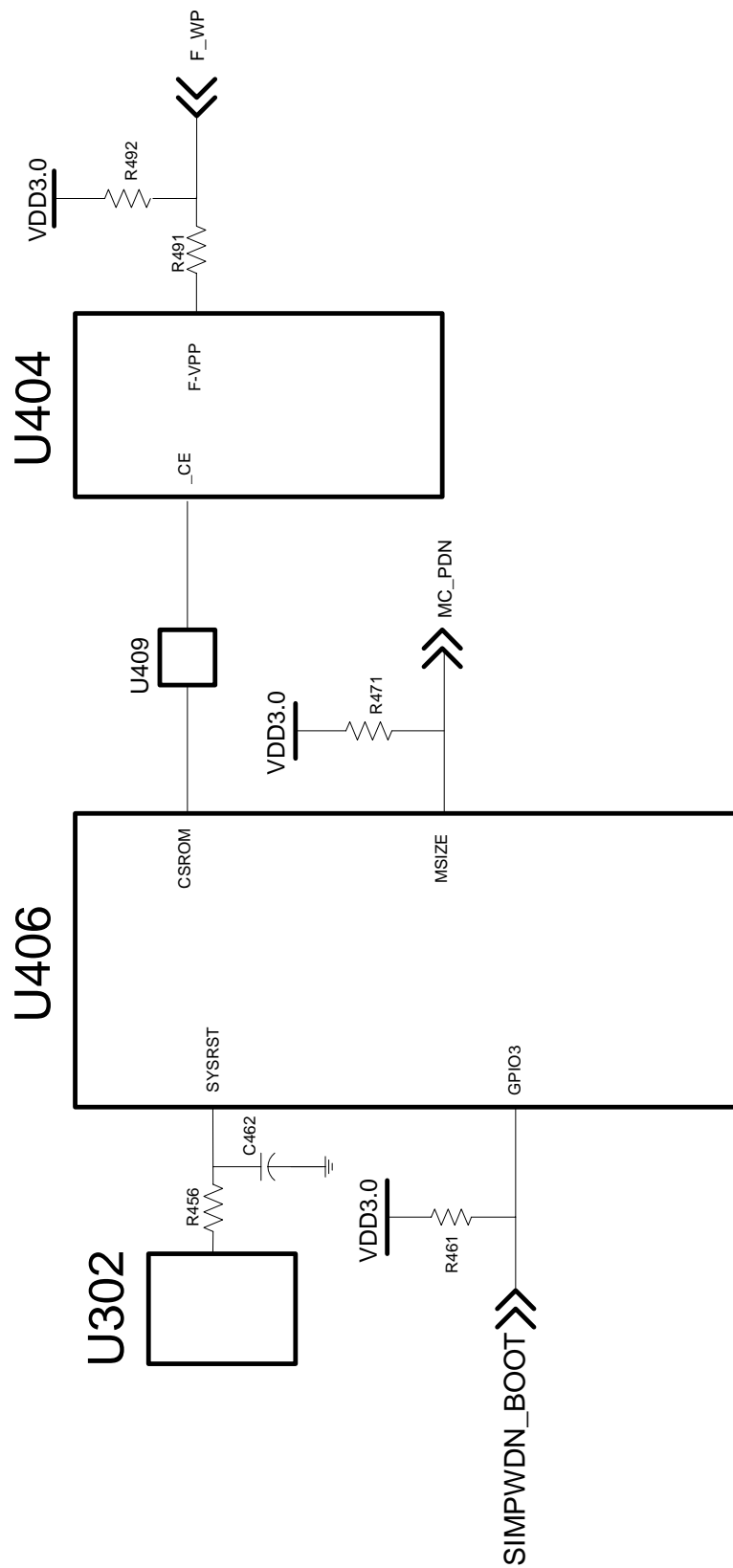
5. Flow Chart of Troubleshooting and Circuit Diagrams

5-1 Power ON

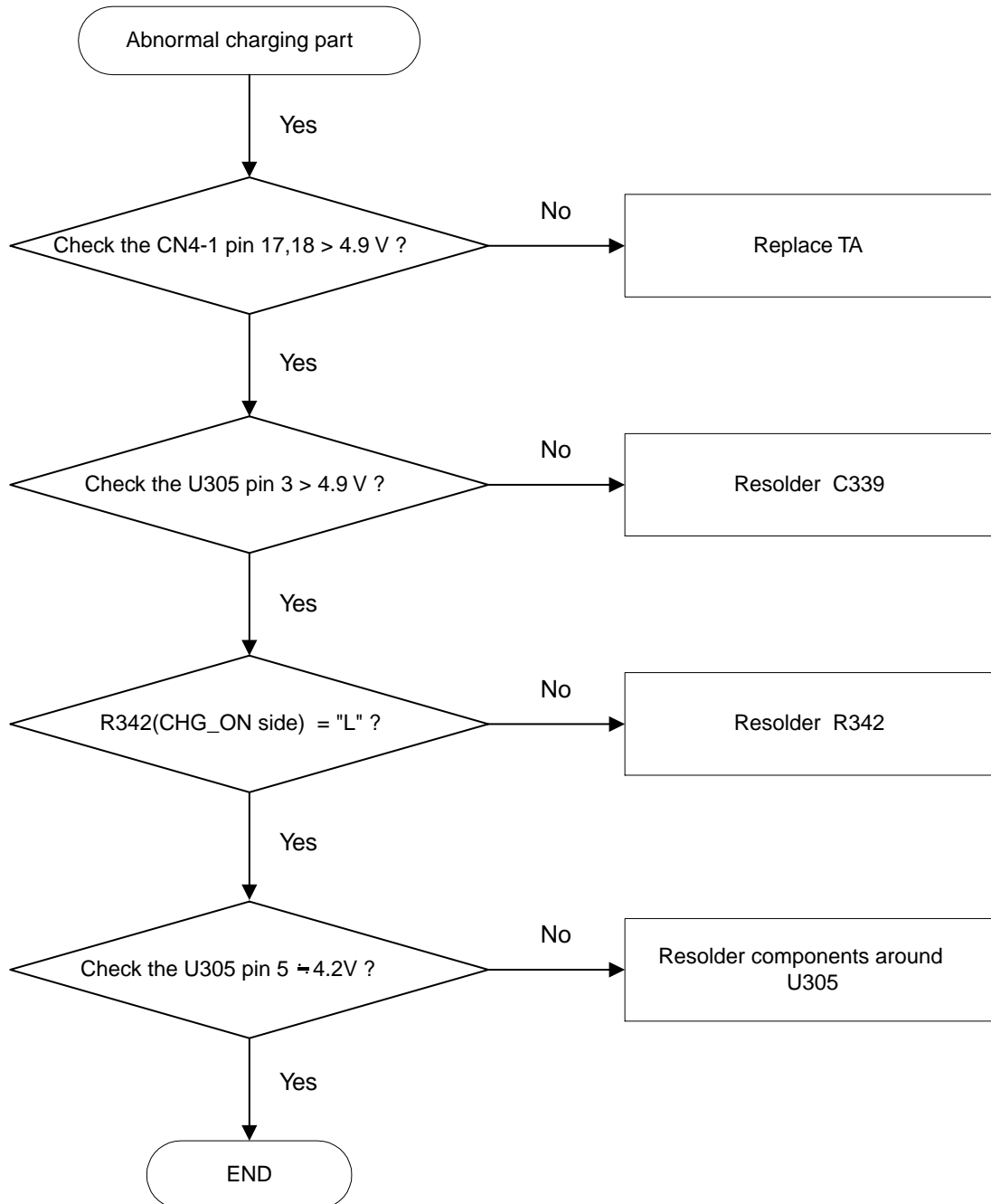


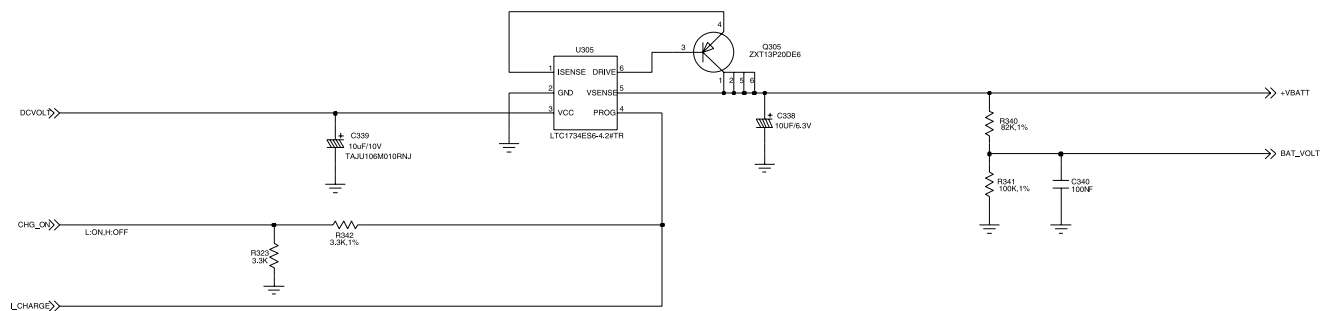
5-2 Initial



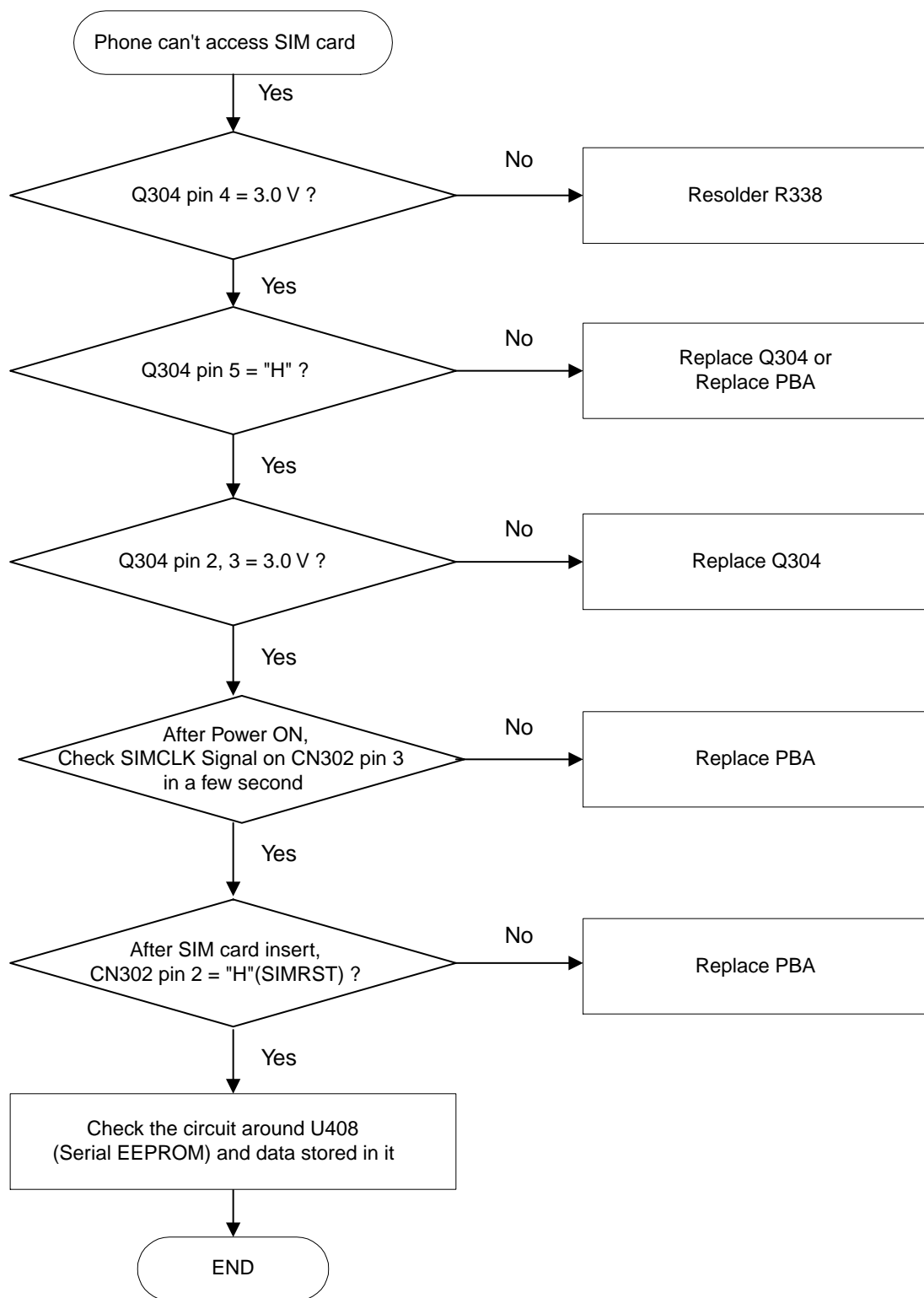


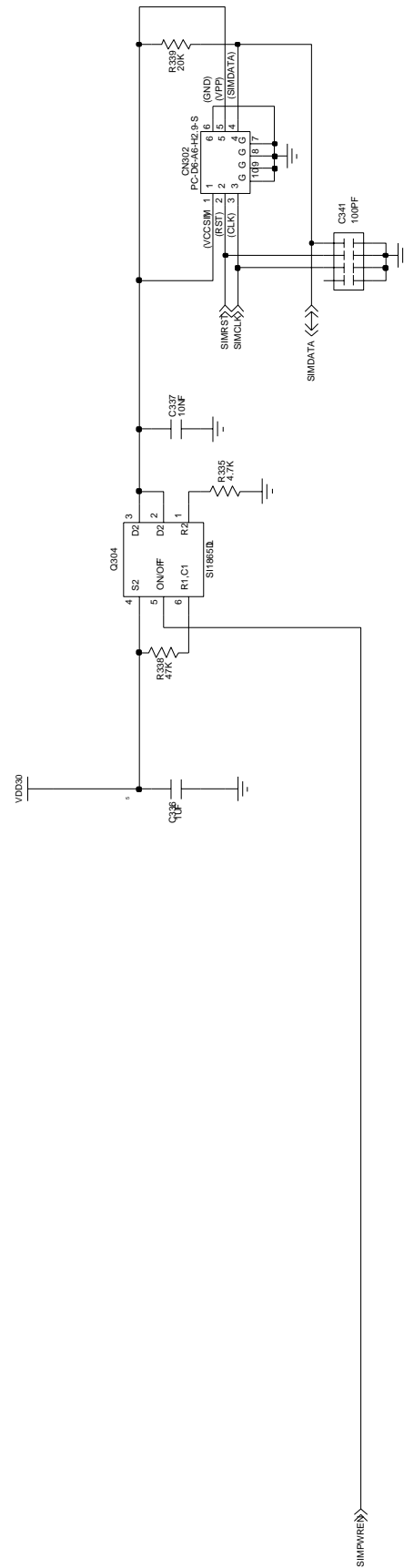
5-3 Charging Part



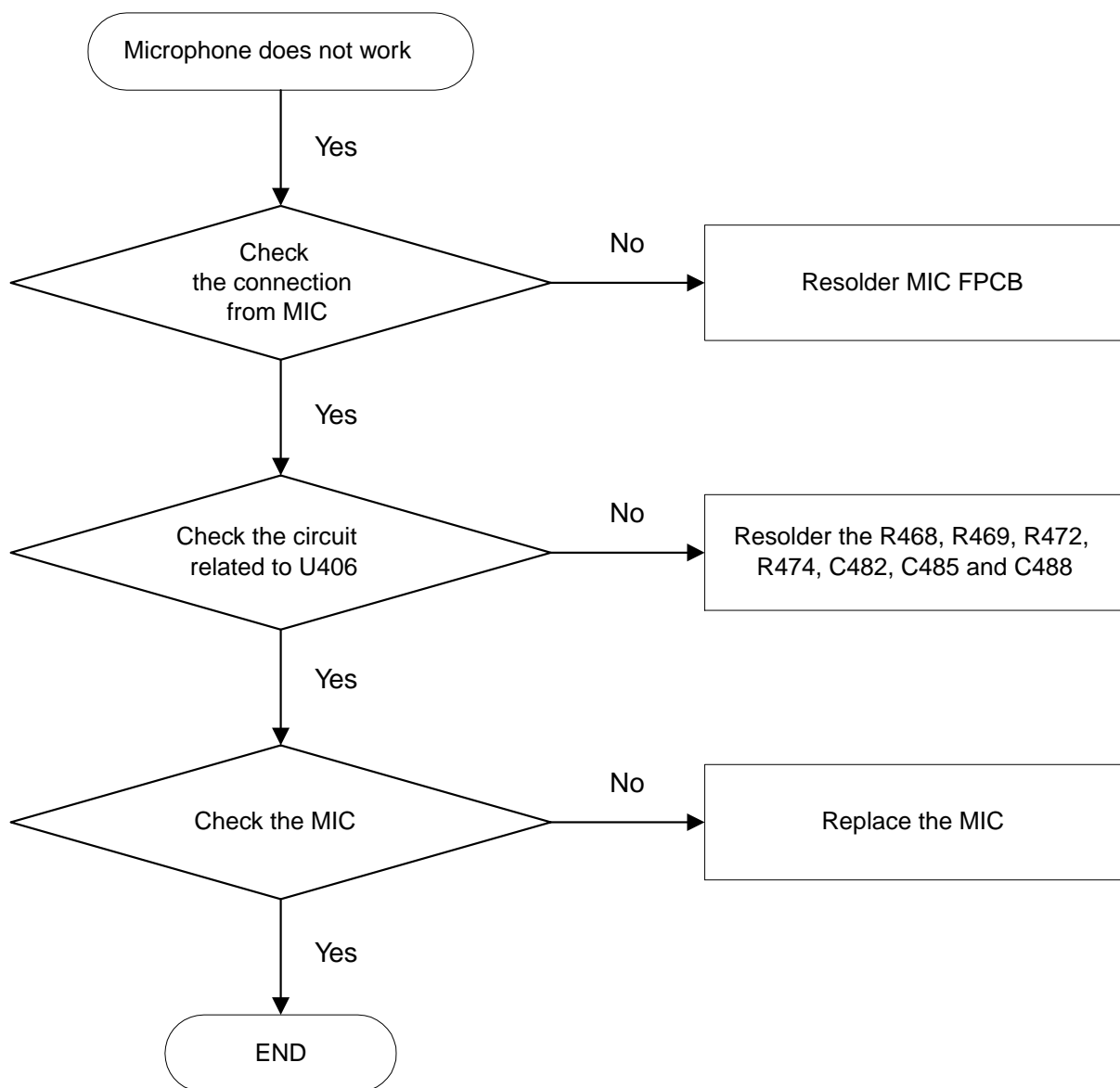


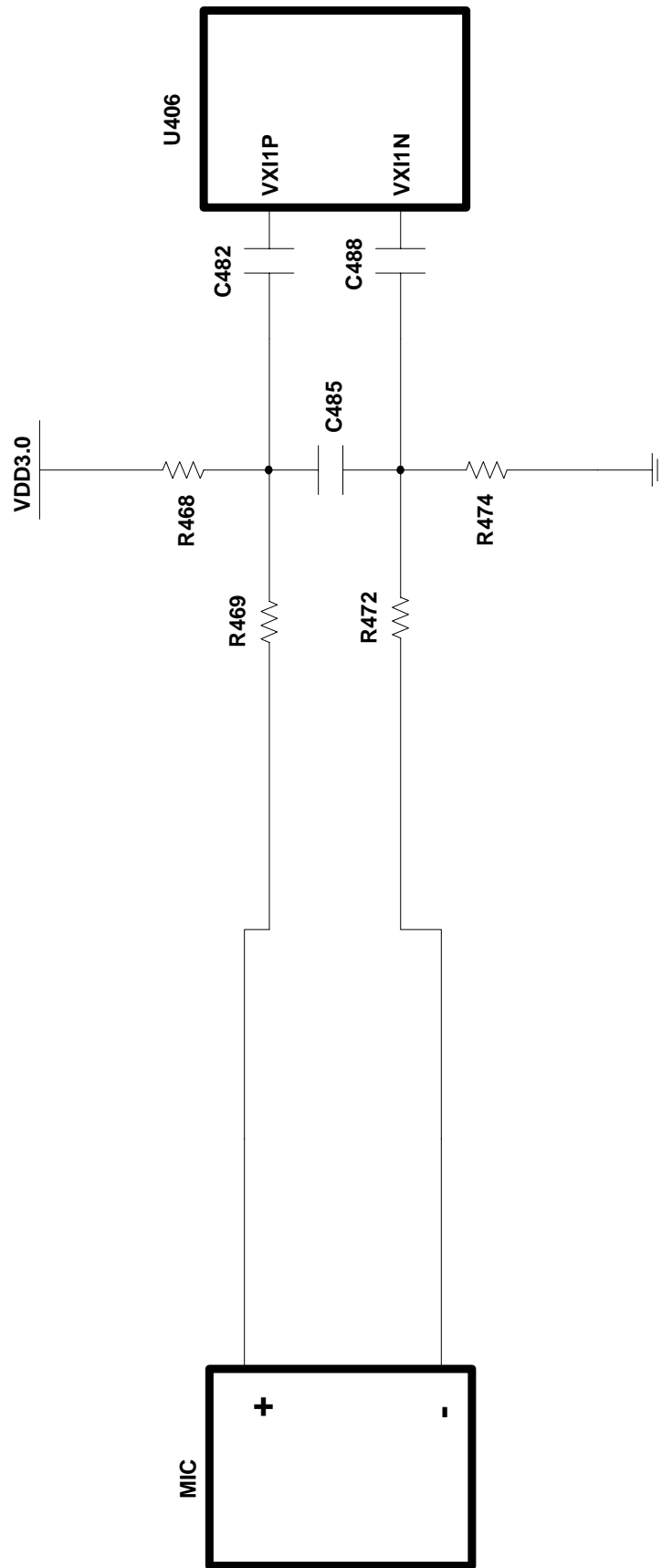
5-4 Sim Part



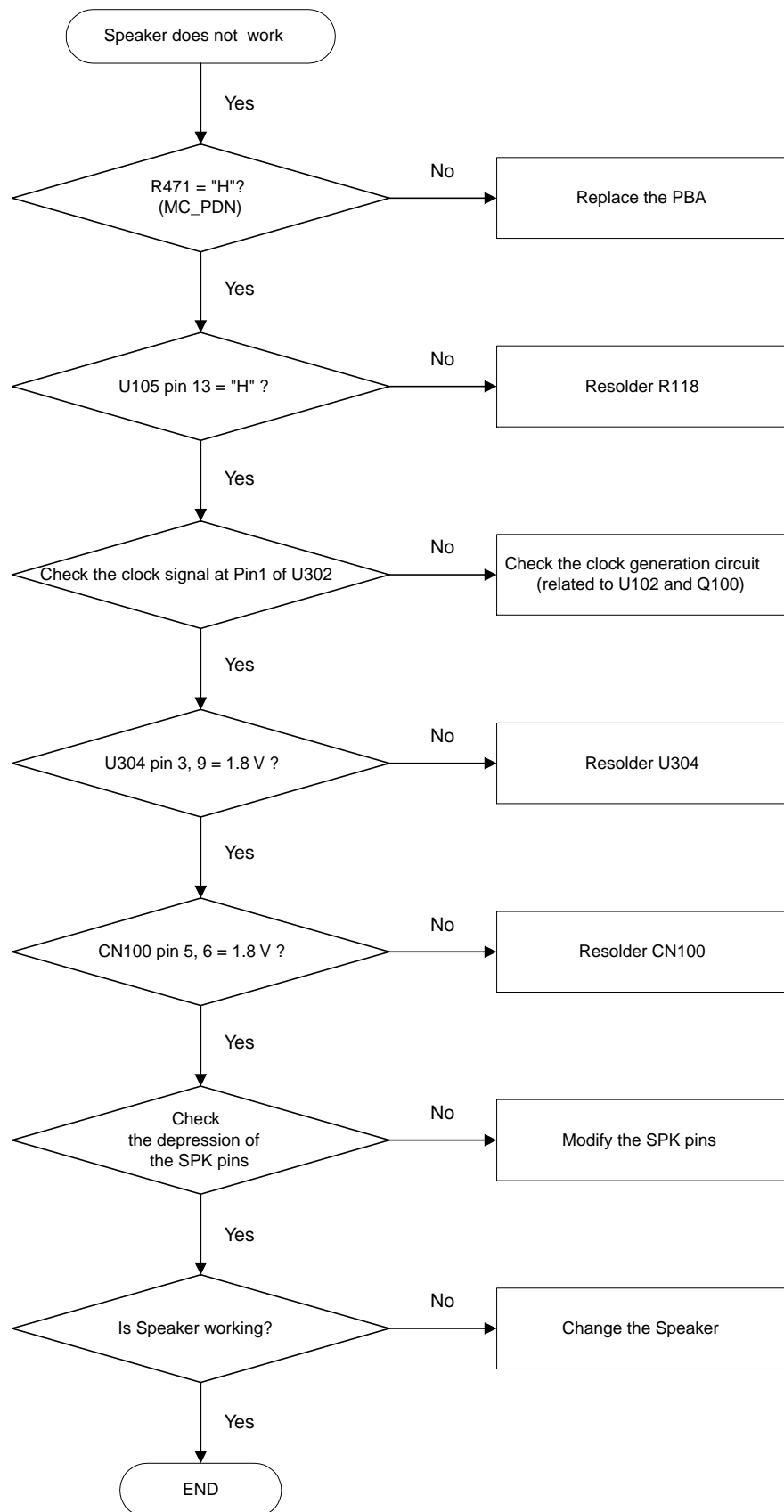


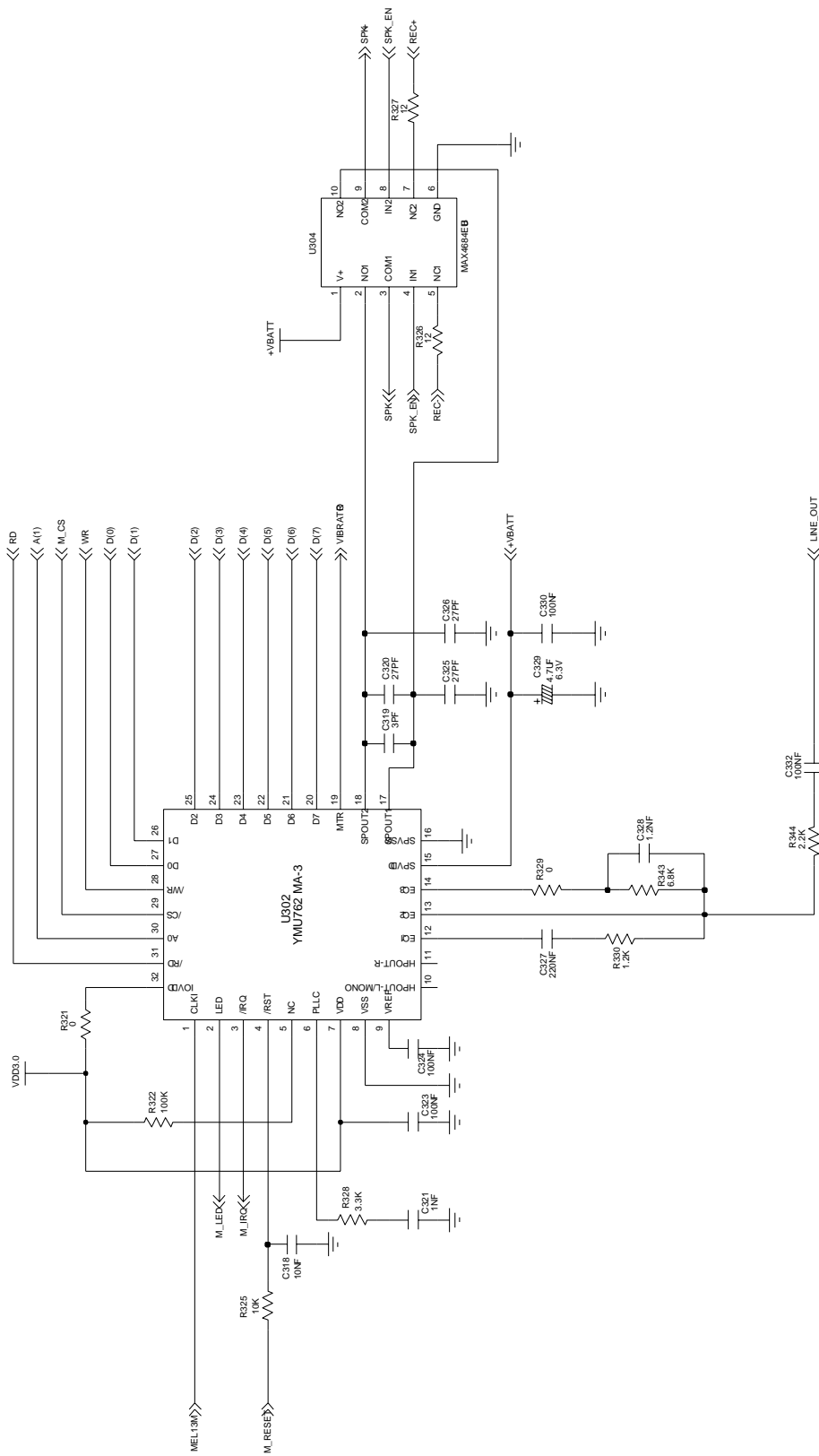
5-5 Microphone Part



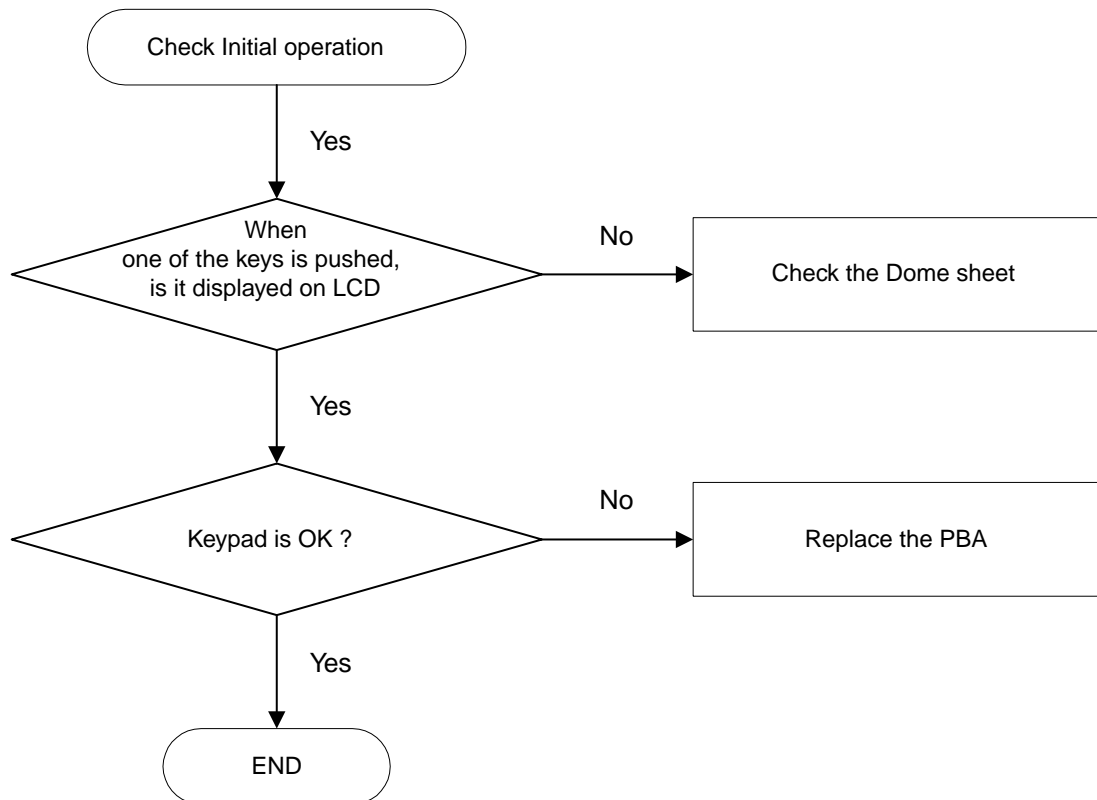


5-6 Speaker Part

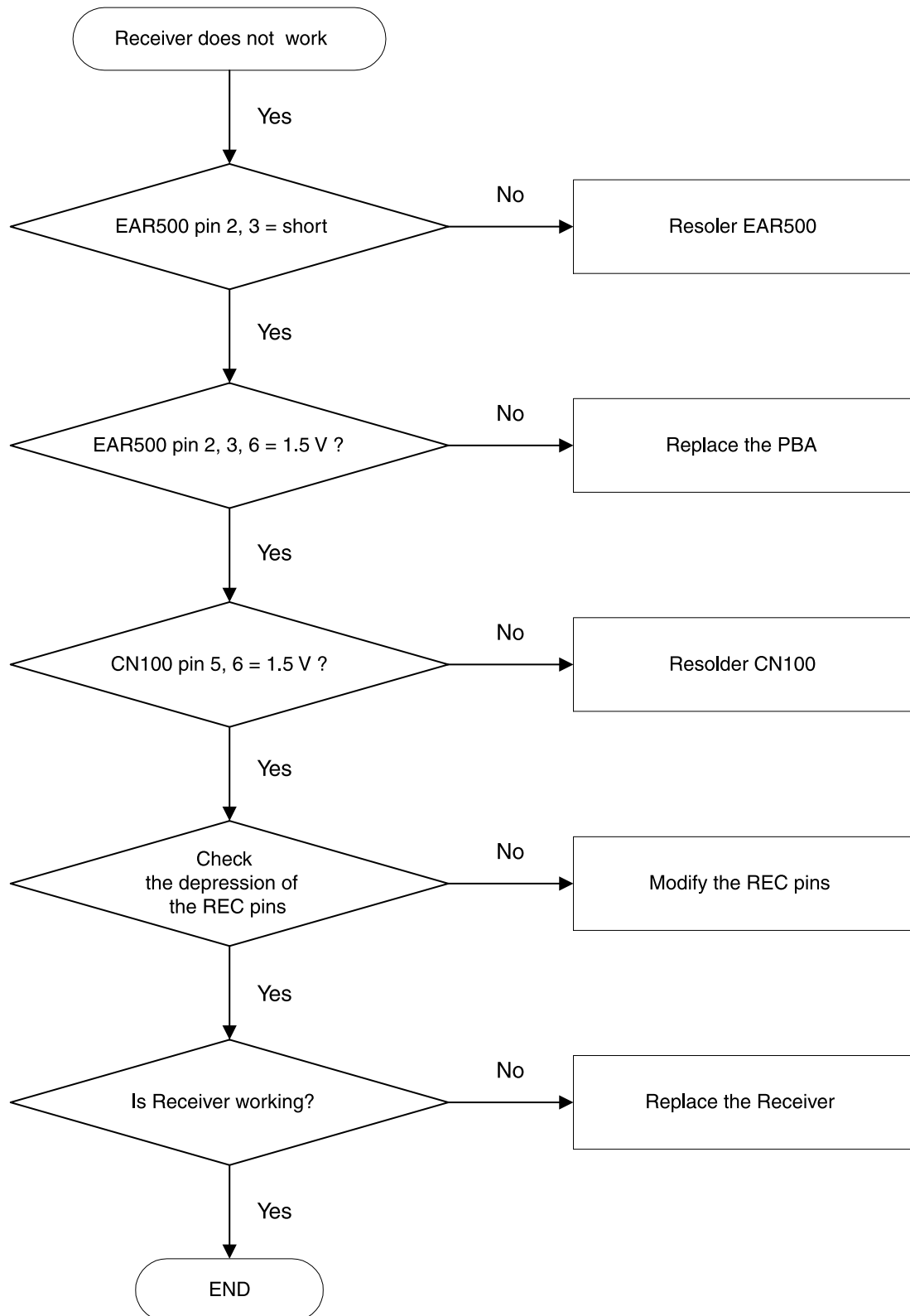


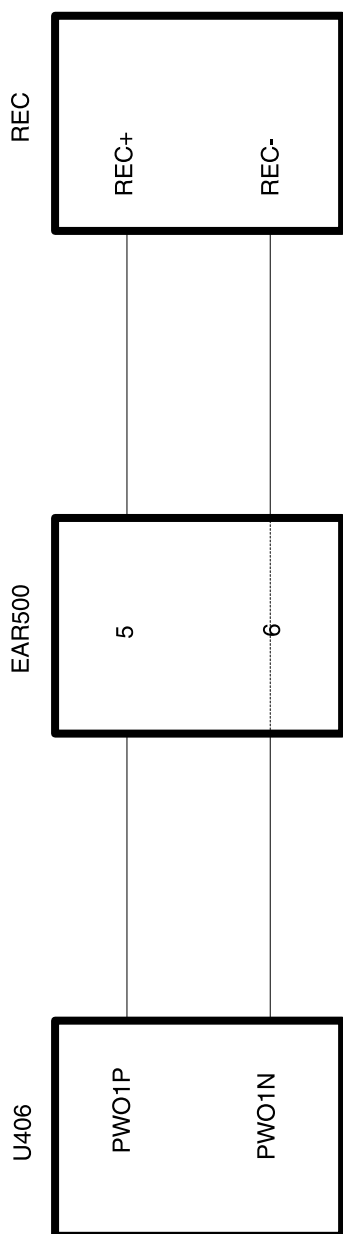


5-7 Key Data Input

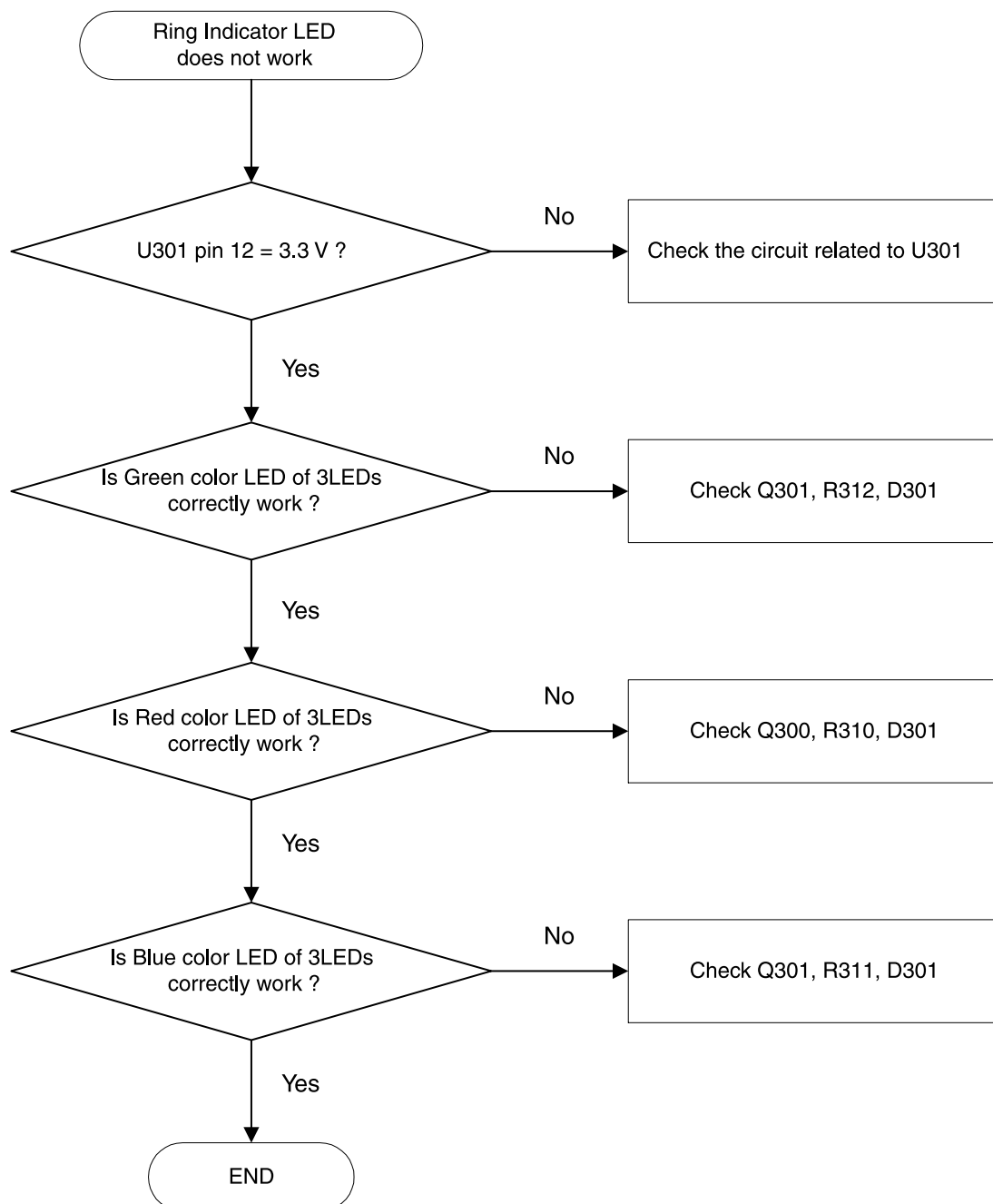


5-8 Receiver Part

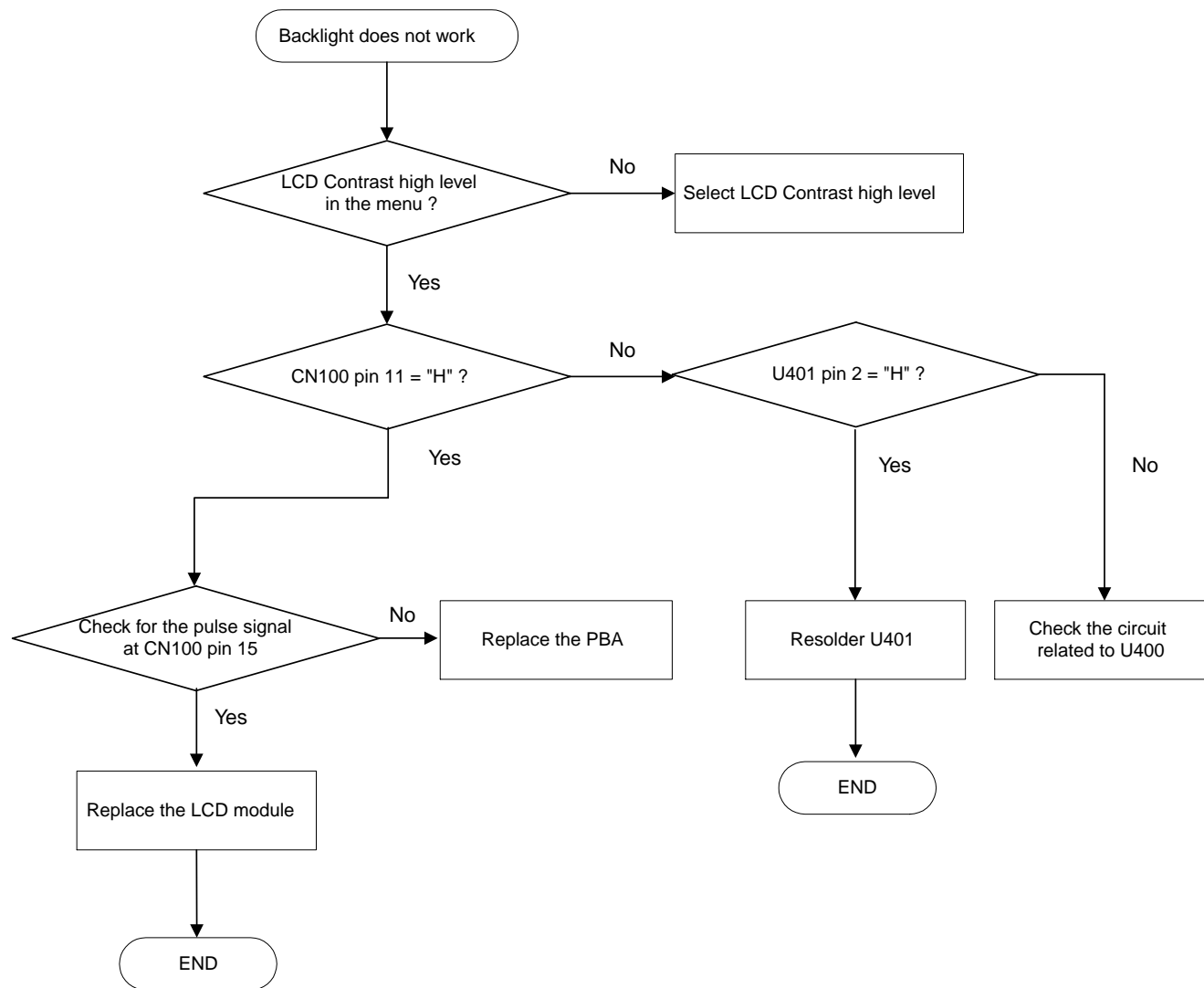




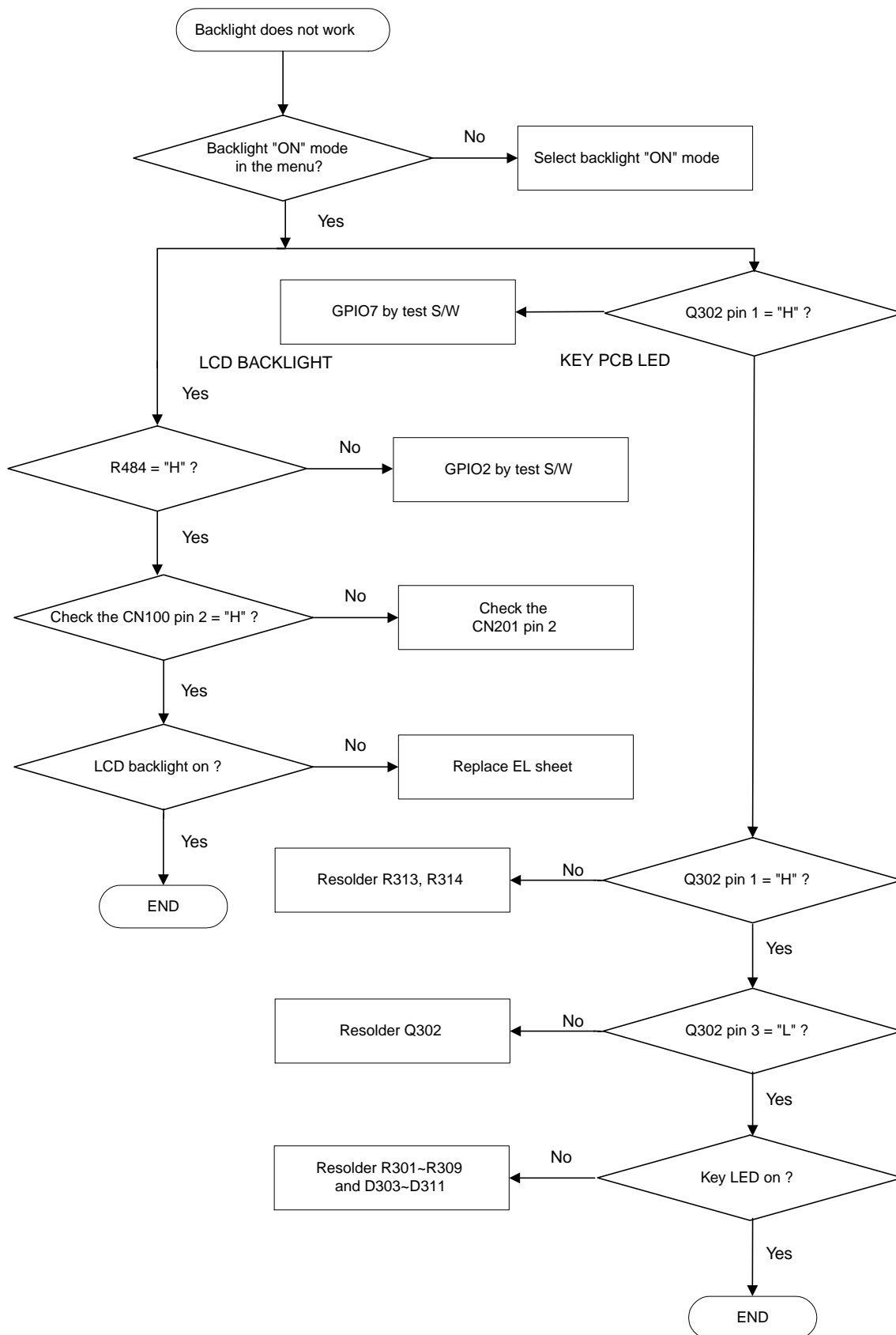
5-9 Ring Indicator



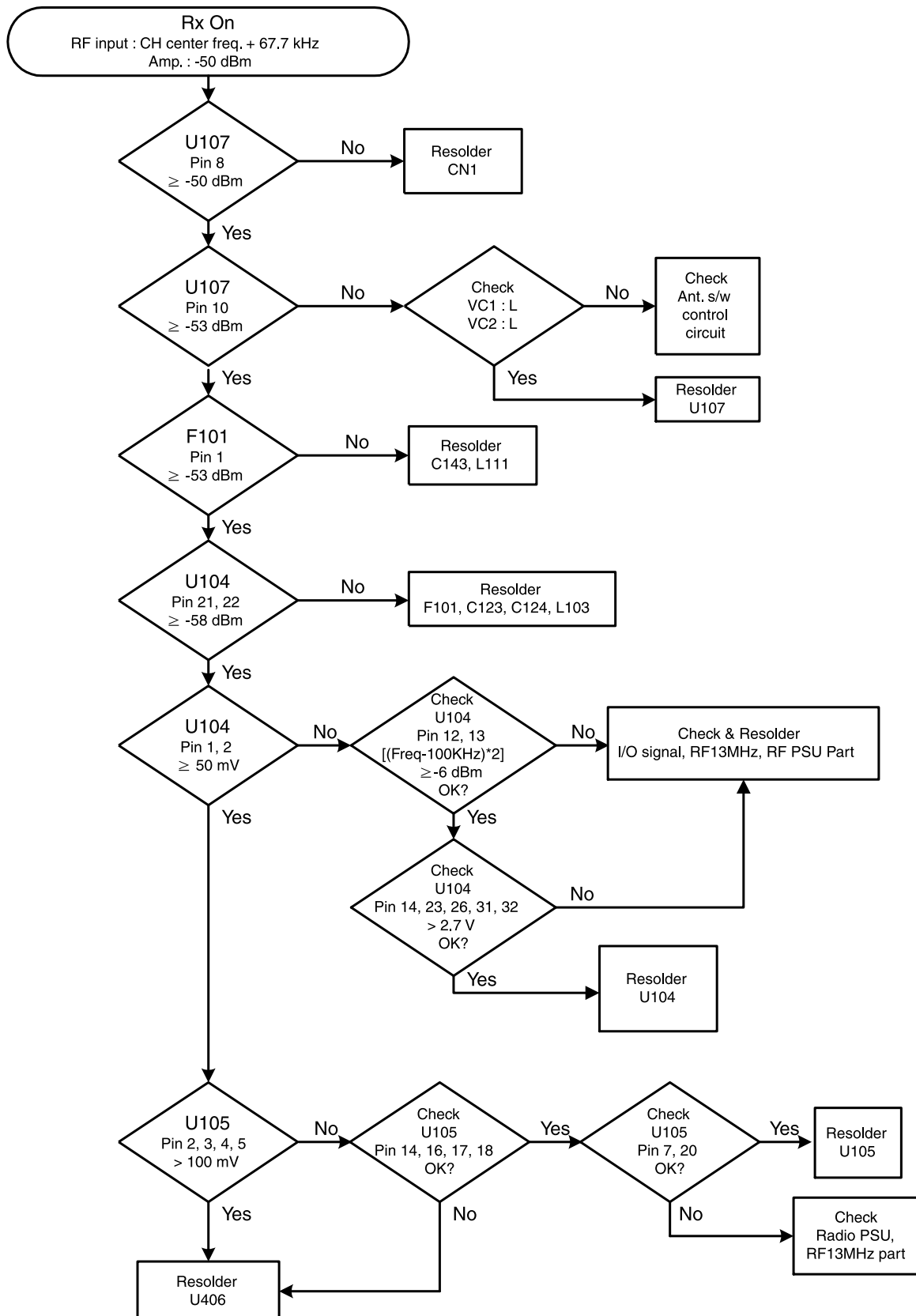
5-10 Back Light (for Color Main LCD)



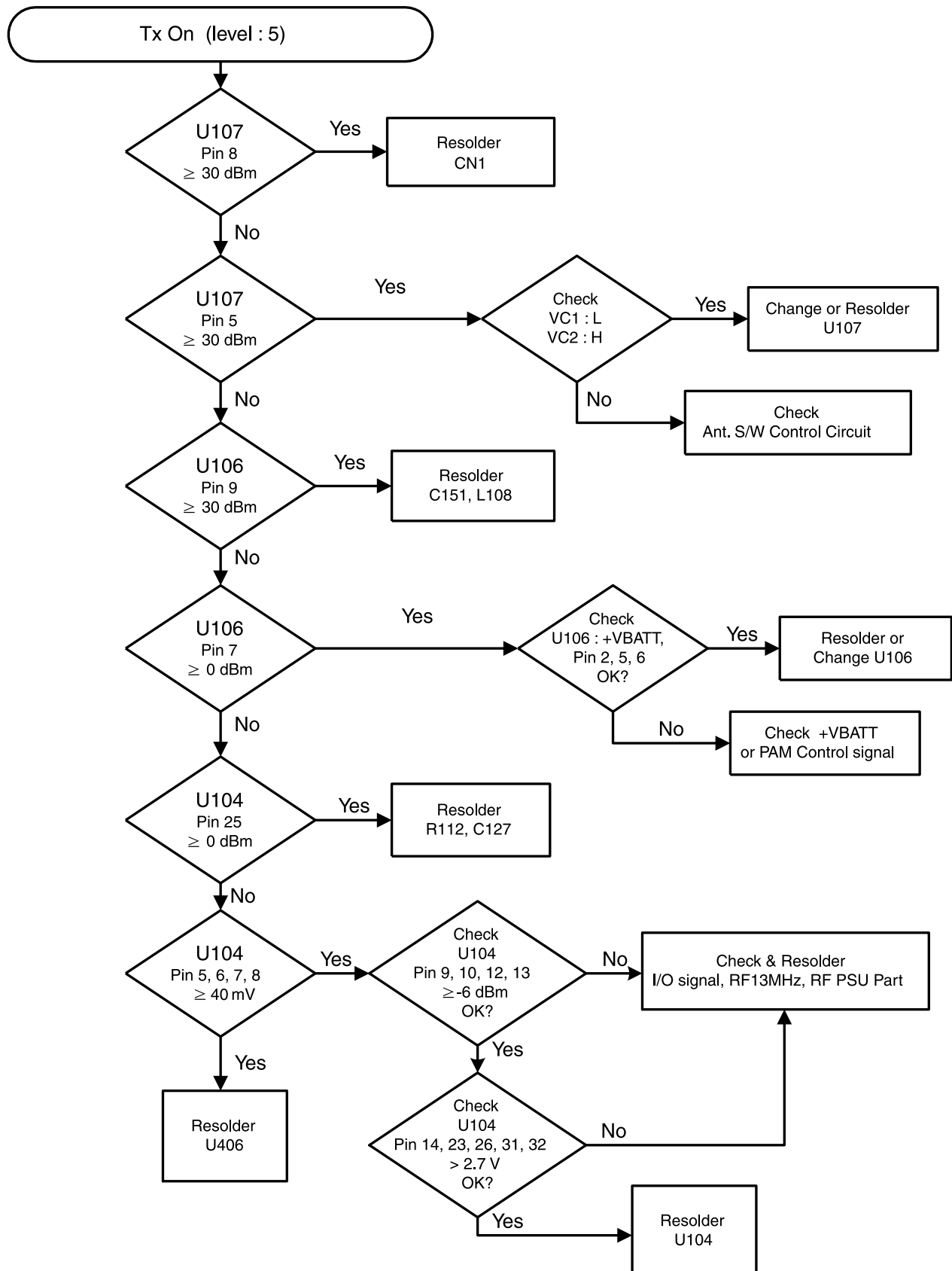
5-11 Back Light (for Sub LCD & Key)



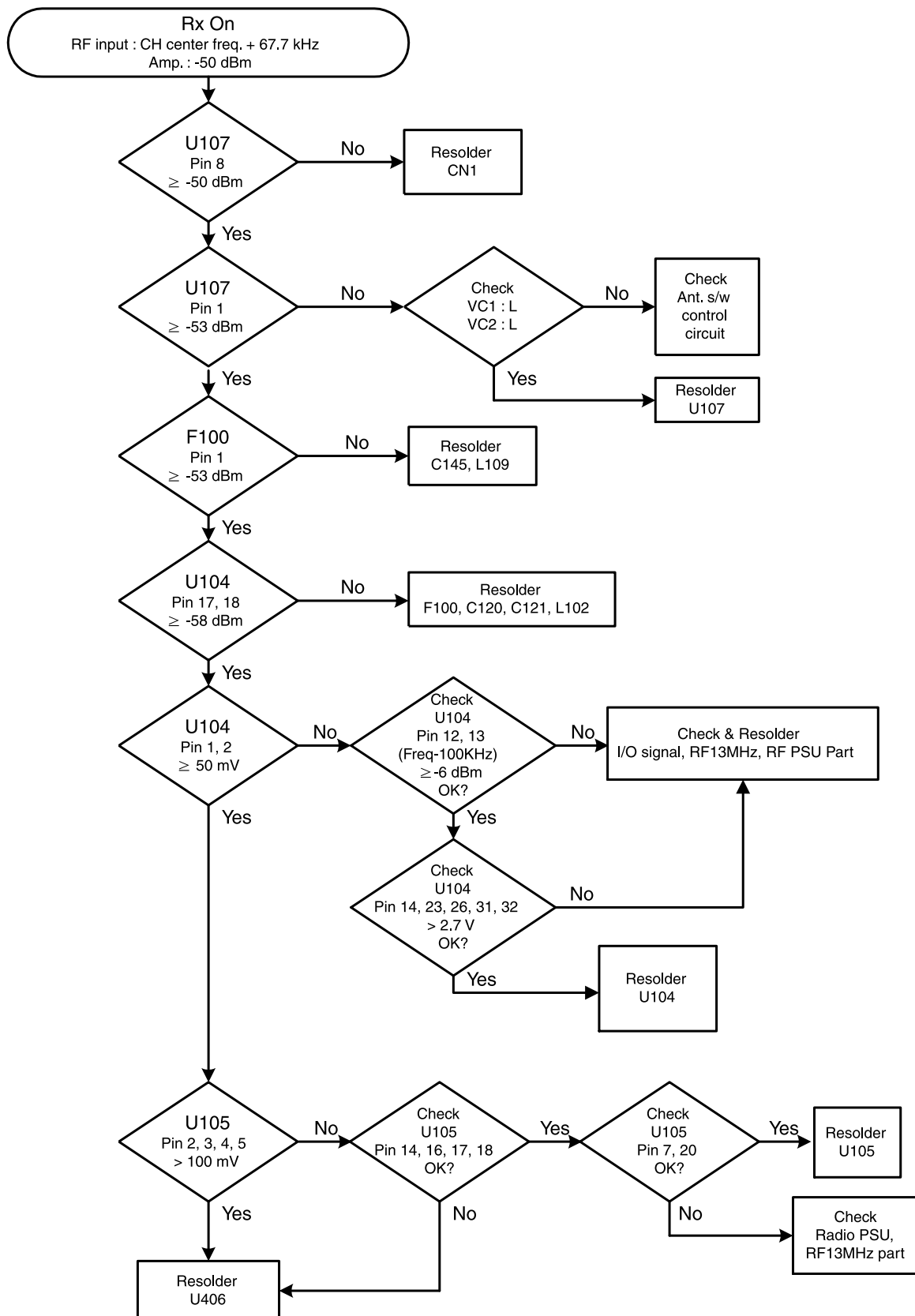
5-12 GSM Receiver



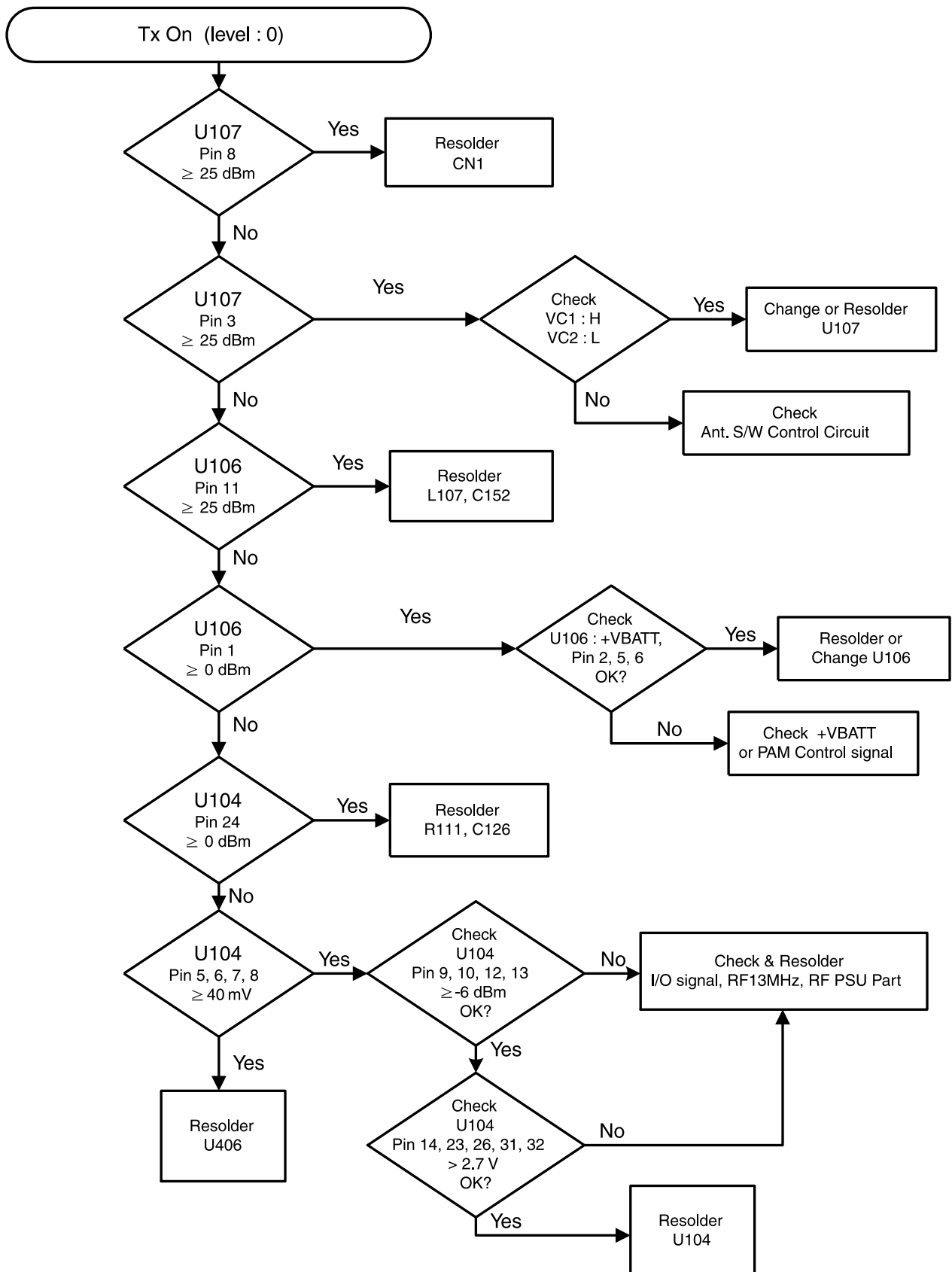
5-13 GSM Transmitter



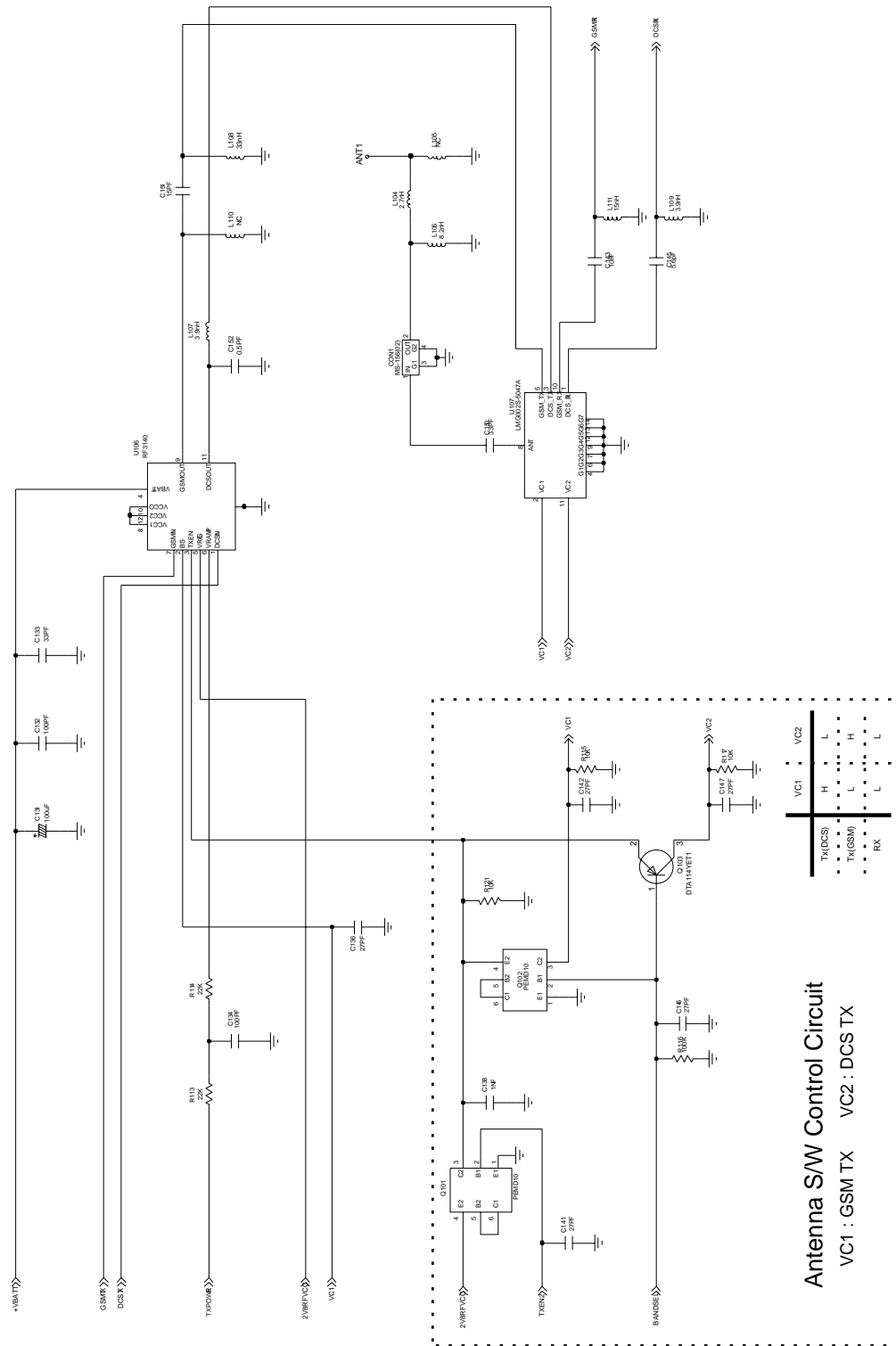
5-14 DCS Receiver



5-15 DCS Transmitter







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