



DUAL BAND Mobile Cellular Phone SGH-A800

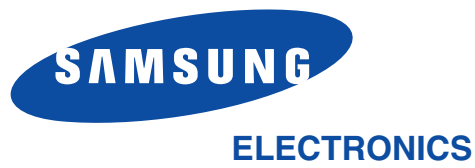
SERVICE Manual

DUAL BAND MOBILE CELLULAR PHONE



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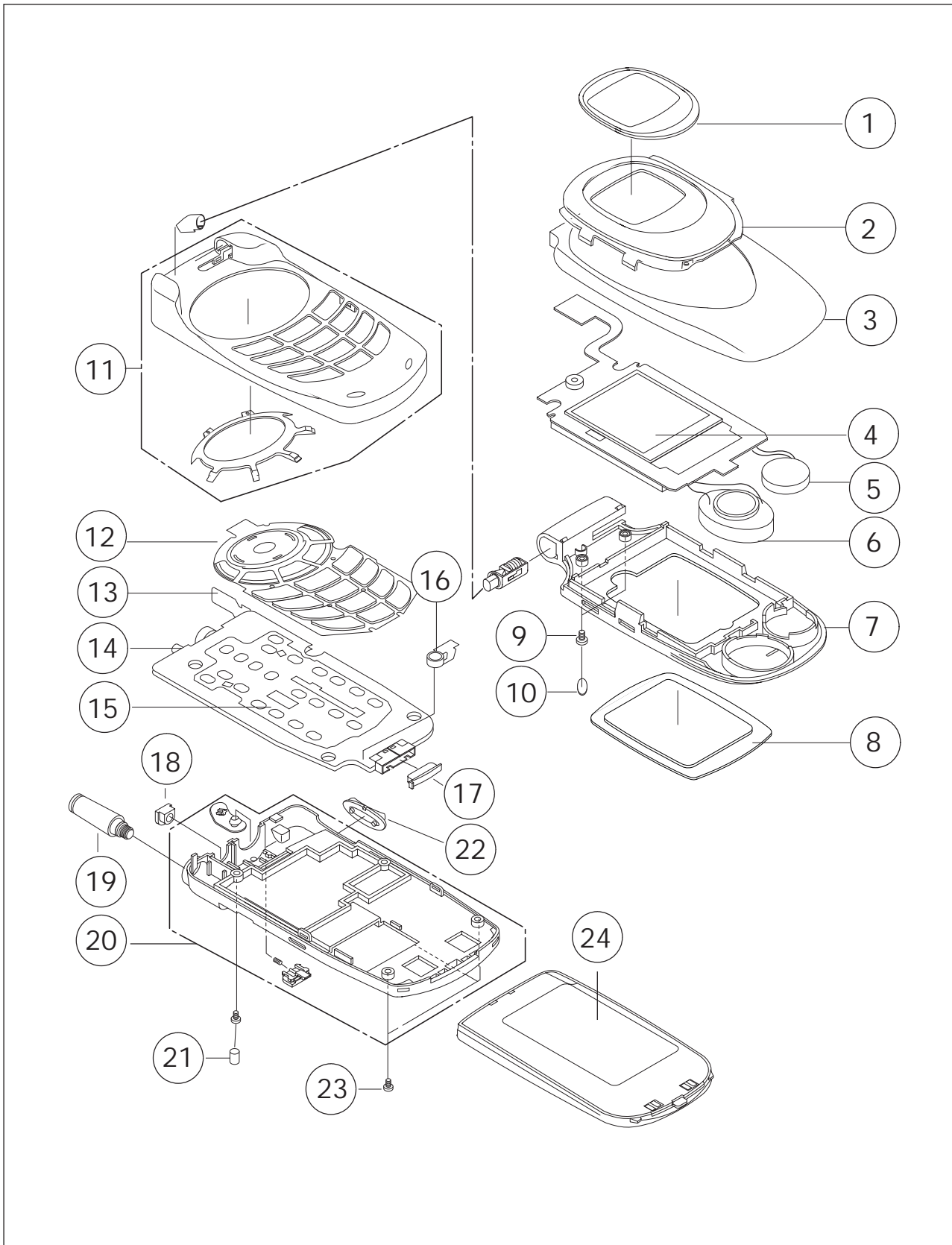
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1. Exploded Views and Parts List

1-1 Main



1-2 Main Parts List

Location No.		Description	SEC CODE	Remark
1		DUAL WINDOW LCD	GH72-04824A	
2		FOLDER DUMMY	GH75-02119A	
3		FOLDER UPPER	GH75-02117A	
4		LCD	GH07-00181A	
5		MOTOR	3101-001328	
6		SPEAKER	3001-001319	
7		FOLDER LOWER	GH75-02118A	
8		WINDOW LCD	GH72-04823A	
9		SCREW	6001-001285	
10		SCREW SHEET	GH74-02895A	
11		FRONT COVER	GH75-02116A	
12		KEYPAD	GH75-02136A	
13		VOLKEY F-PCB	GH59-00474A	
14		MAIN PBA	GH92-01334A	
15		DOME SHEET	GH59-00475A	
16		MIC	GH59-00476A	
17		CONNECTOR COVER	GH73-01282A	
18		RF COVER	GH73-01281A	
19		ANTENNA	GH42-00201A	
20		REAR COVER	GH75-02121A	
21		SCREW CAP	GH73-01283A	
22		VOLUME KEY	GH75-02120A	
23		SCREW	6001-000464	
24		BATTERY	GH43-00667A	

SGH-A800 COLOR & CODE

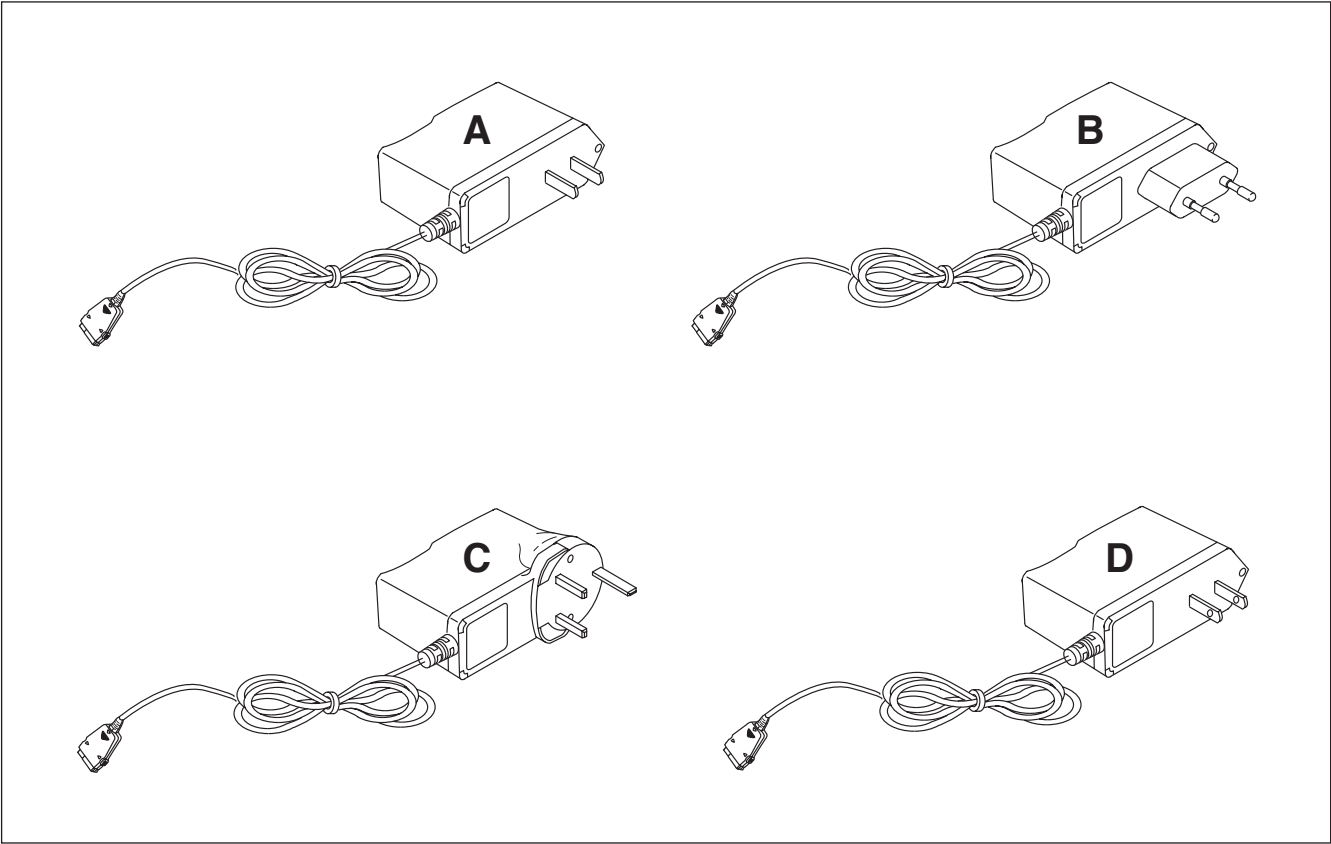
ITEM \ COLOR	SILVER	Dark Silver	Dark Blue	Royal Blue
FOLDER UPPER	GH75-02117A	GH75-02117B	GH75-02117C	GH75-02117D
FOLDER LOWER	GH75-02118A	GH75-02118B	GH75-02118C	GH75-02118D
FRONT COVER	GH75-02116A	GH75-02116B	GH75-02116C	GH75-02116D
REAR COVER	GH75-02121A	GH75-02121B	GH75-02121C	GH75-02121D
FOLDER DUMMY	GH75-02119A	GH75-02119B	GH75-02119C	GH75-02119D

ITEM \ COLOR	SILVER	Dark Silver	Dark Blue	Royal Blue
FOLDER UPPER	GH72-04819A	GH72-04819B	GH72-04819C	GH72-04819D
FOLDER LOWER	GH72-04822A	GH72-04822B	GH72-04822C	GH72-04822D
FRONT COVER	GH72-04825A	GH72-04825B	GH72-04825C	GH72-04825D
REAR COVER	GH72-04827A	GH72-04827B	GH72-04827C	GH72-04827D
FOLDER DUMMY	GH72-04821A	GH72-04821B	GH72-04821C	GH72-04821D

ITEM \ COLOR	SILVER	Dark Silver	Dark Blue	Royal Blue
MAIN LOCKER	GH72-04828A	GH72-04828B	GH72-04828C	GH72-04828D
EARPHONE COVER	GH72-05132A	GH72-05132B	GH72-05132C	GH72-05132D
DAMPER(L)	GH73-01276A	GH73-01276B	GH73-01276C	GH73-01276D
MIC HOLDER	GH73-01277A	GH73-01277B	GH73-01277C	GH73-01277D
SCREW CAP SHEET	GH74-02895A	GH74-02895B	GH74-02895C	GH74-02895D

ITEM \ COLOR	SILVER	Dark Silver	Dark Blue	Royal Blue
SCREW CAP	GH73-01283A	GH73-01283B	GH73-01283C	GH73-01283D
MOBILE CAP	GH73-01281A	GH73-01281B	GH73-01281C	GH73-01281D
I/F CONN COVER	GH73-01282A	GH73-01282B	GH73-01282C	GH73-01282D
SHEET REAR	GH74-03415A	GH74-03415B	GH74-03415C	GH74-03415D

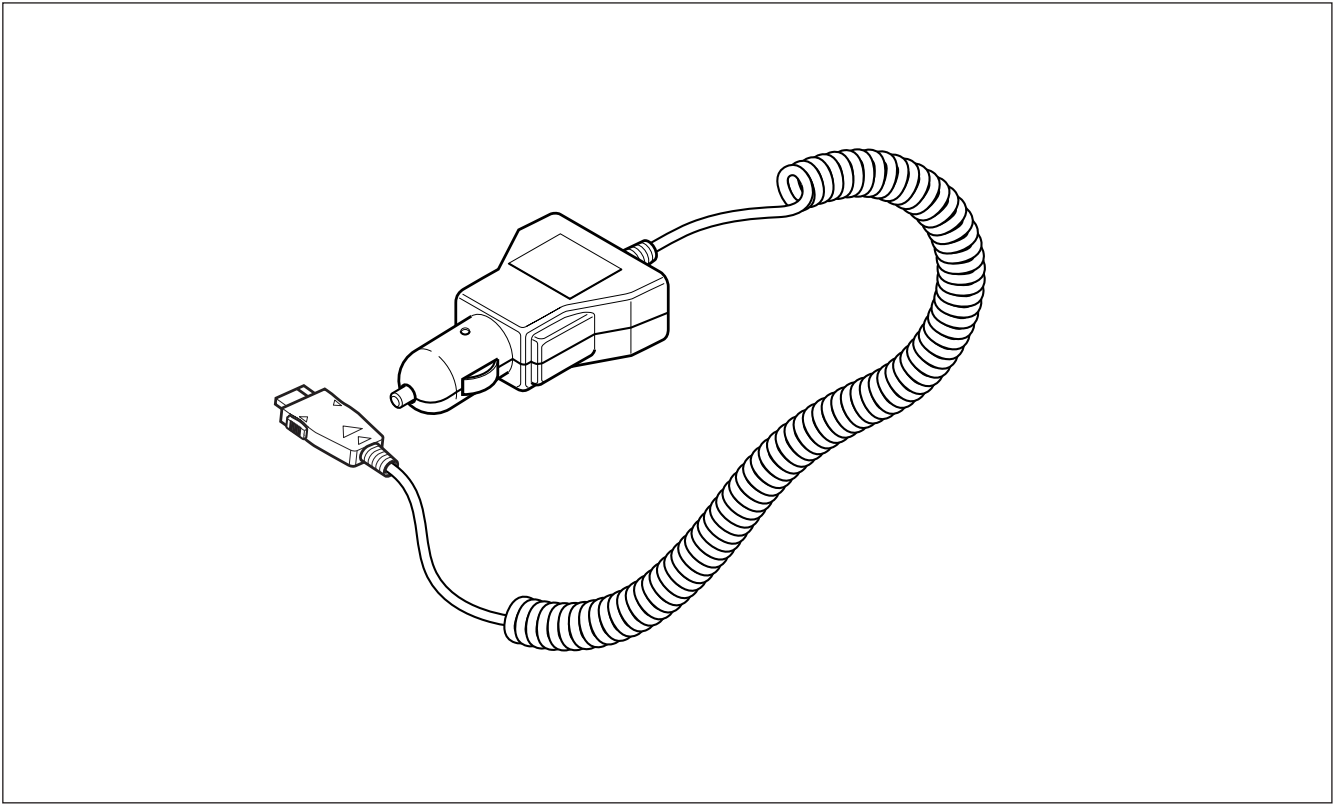
1-3 Travel Adapter



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

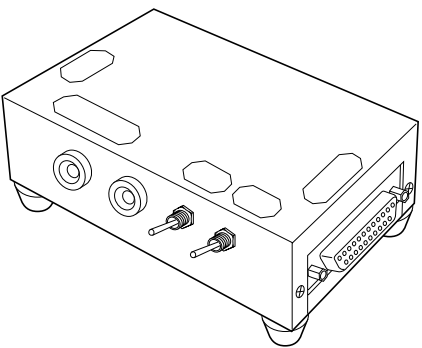
1-5 Ciger Light Adapter



1-6 Ciger Light Adapter Parts List

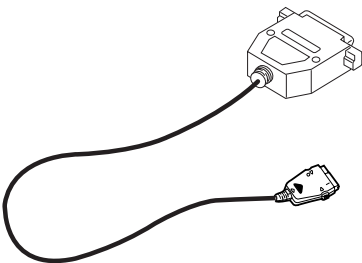
DESCRIPTION	SEC CODE	REMARK
Ciger Light Adapter Code	GH44-00170A	BLACK

1-7 Test Jig



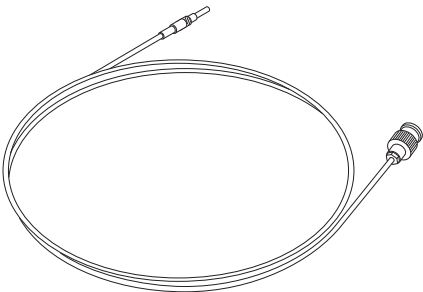
TEST JIG

GH80-10508A



TEST JIG CABLE

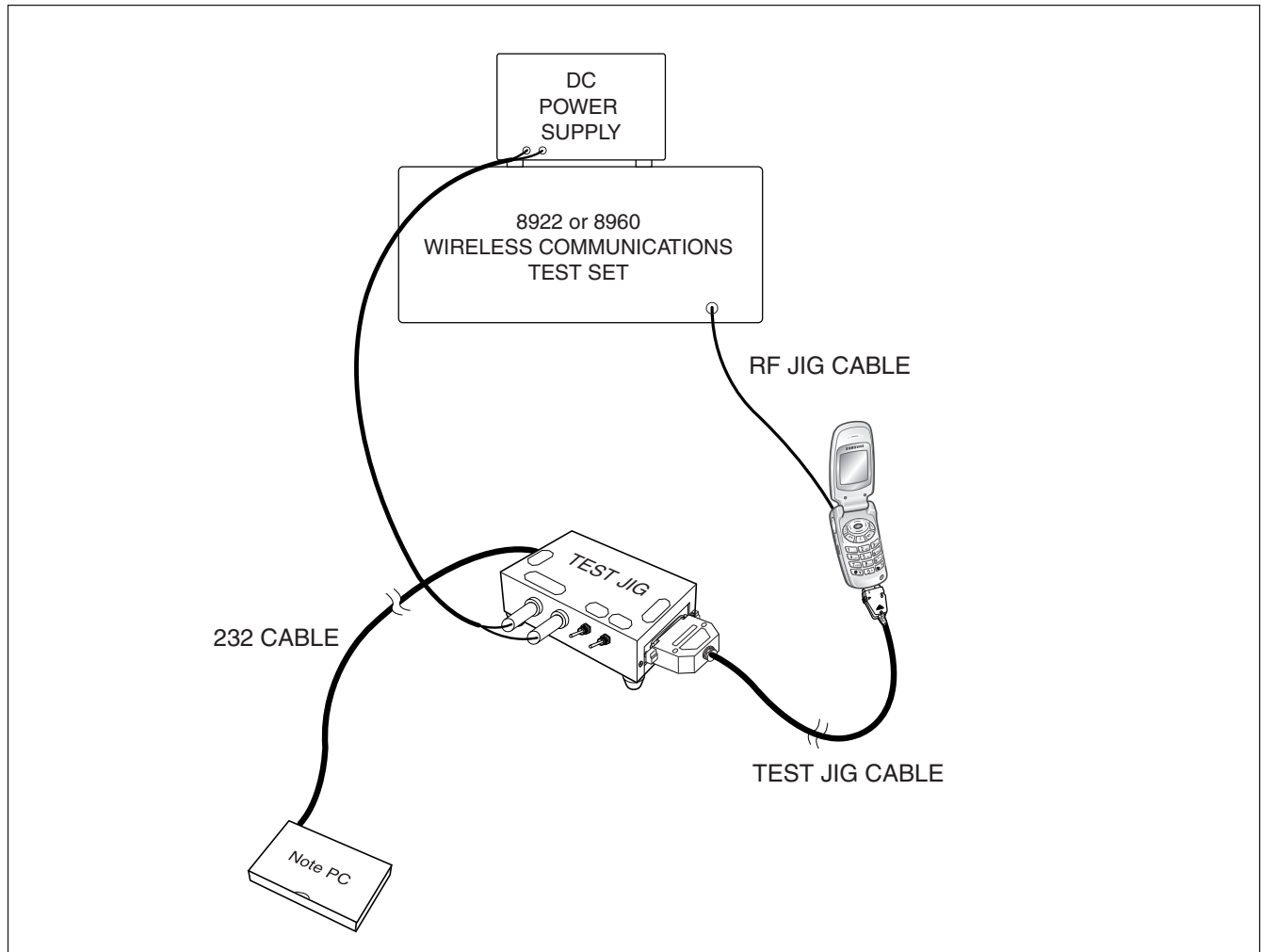
GH39-00079A



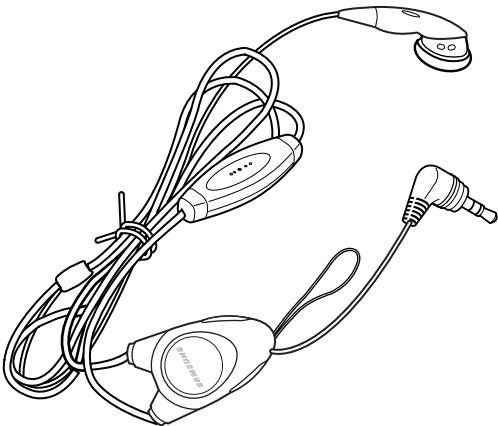
RF JIG CABLE

GH39-00174A

1-7 Test Jig



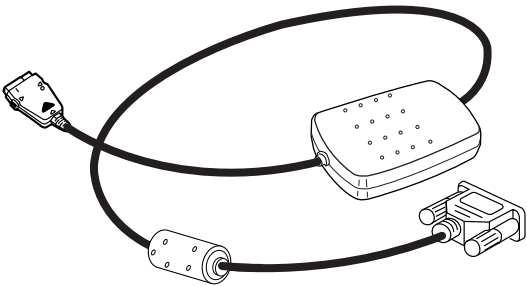
1-8 Wearable EAR Microphone



Wearable EAR Microphone

GH59-00322A

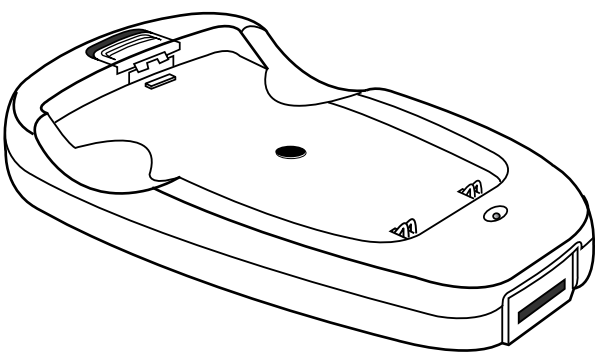
1-9 Data Kit



DATA KIT

GH39-00078A

1-10 Battery Charger

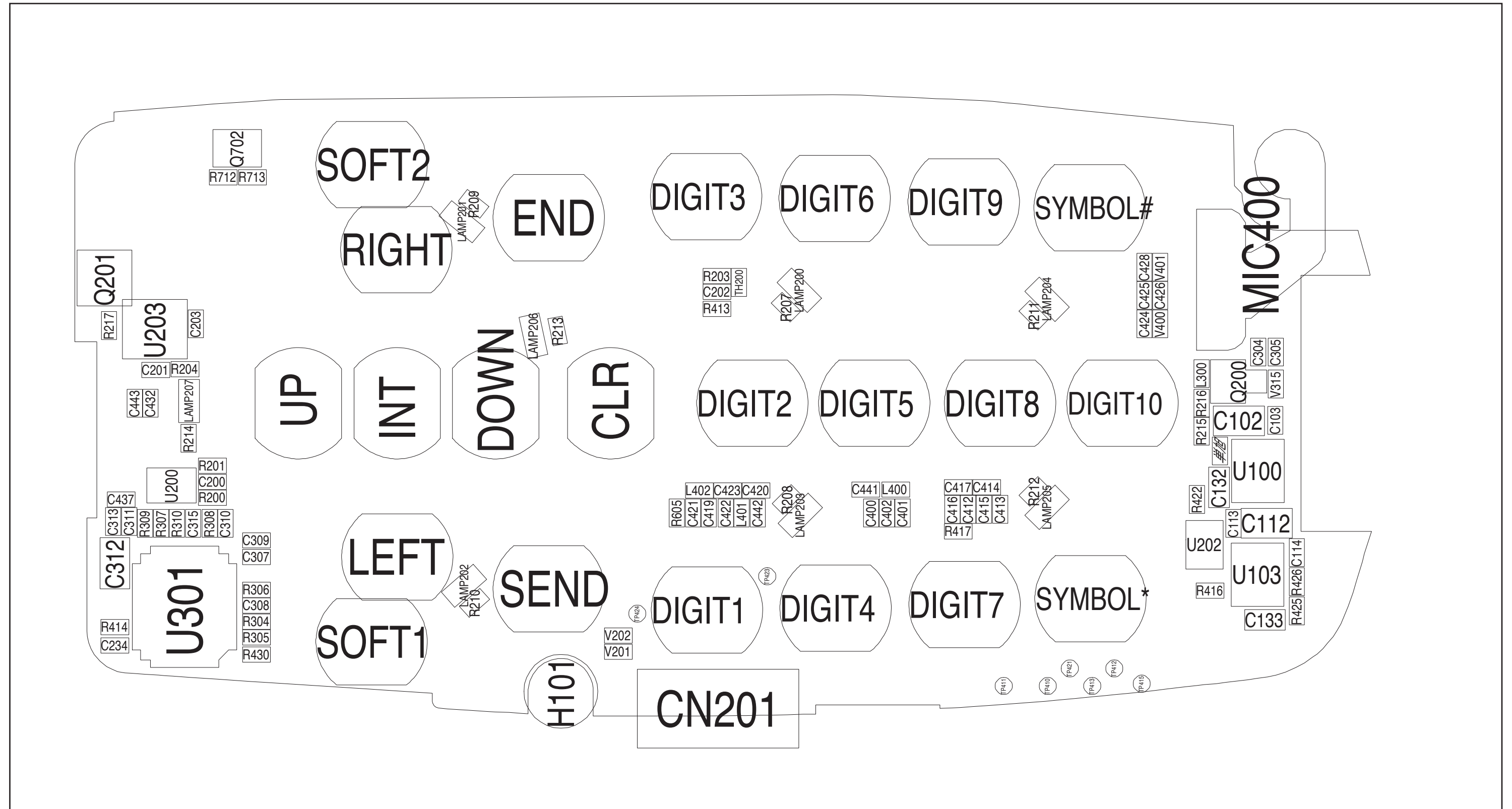


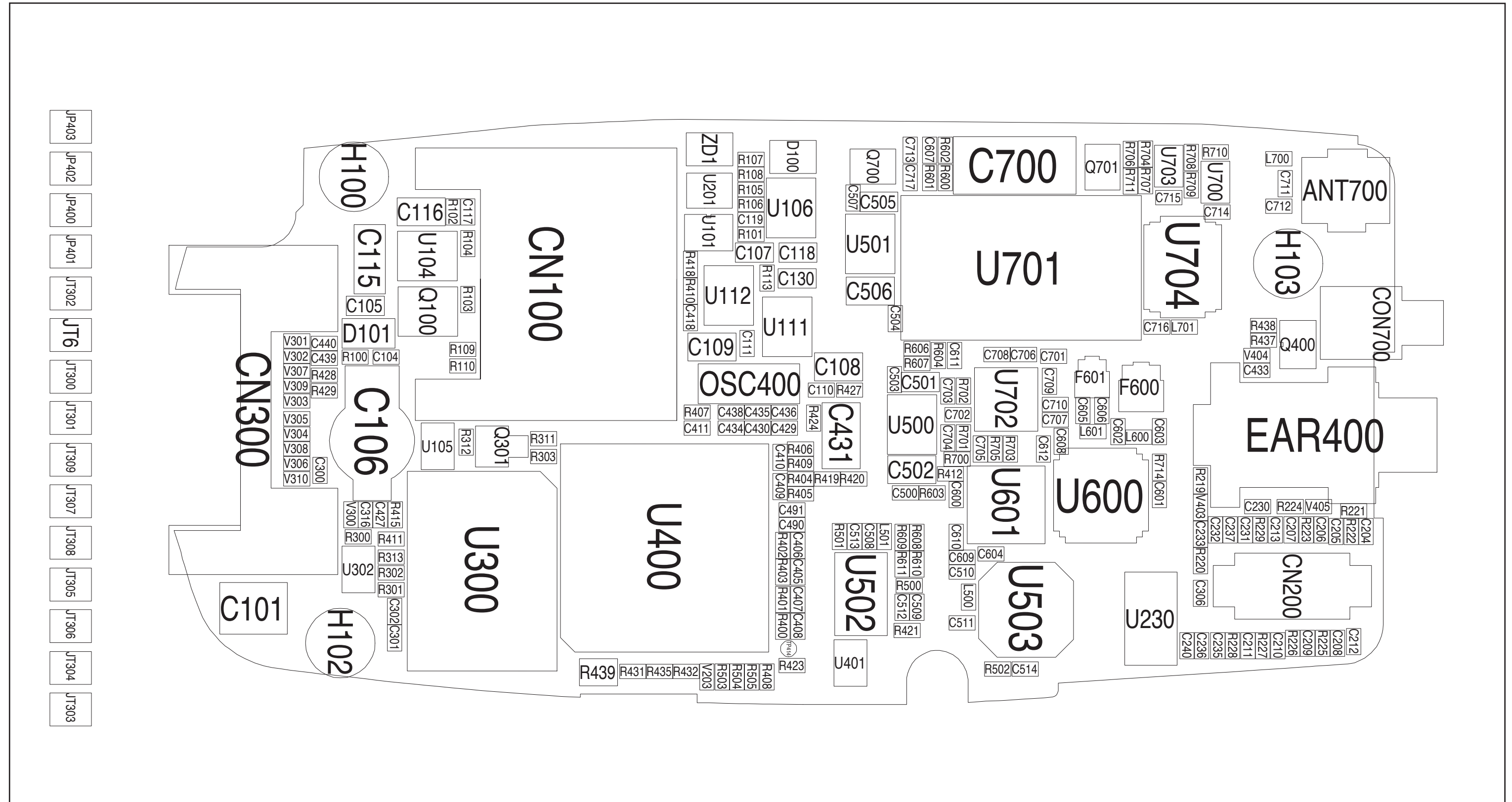
BATTERY CHARGER

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	C234	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	GRP1555C1H270JZ01E
2	R414	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	RC1005J104CS
3	C312	2404-001086	"C-TA,CHIP"	"4.7uF,20%,6.3V,GP,TP,2012,-"	TESVSPOJ475M8RTJ
4	C313	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
5	C311	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
6	C437	2203-005444	"C-CERAMIC,CHIP"	"0.003nF,0.1pF,50V,NP0,TP,1005"	GRP1555C1H3R0BZ01E
7	R309	2007-000161	R-CHIP	"82Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ823X
8	R307	2007-007771	R-CHIP	"0OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E
9	R310	2007-007090	R-CHIP	"11KOHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ113X
10	C315	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
11	R308	2007-000153	R-CHIP	"22Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ223X
12	C310	2203-005483	"C-CERAMIC,CHIP"	"68nF,10%,10V,X5R,TP,1005,-"	GRP155R61A683KA01E
13	C309	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
14	C307	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
15	Q200	0501-002202	TR-SMALL SIGNAL	"MMBT2222AWT1,NPN,150mW,SOT-323"	MMBT2222AWT1
16	Q702	0504-001058	TR-DIGITAL	"RN4985,NPN/PNP,200mW,2.2Kohm/ 47Kohm,UMD6,TP"	RN4985-TE85L
17	U202	0504-001060	TR-DIGITAL	"BCR08PN,NPN/PNP,250mW,2.2Kohm/ 47Kohm,SOT-363,TP"	BCR08PN
18	LAMP200	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
19	LAMP201	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
20	LAMP202	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
21	LAMP203	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
22	LAMP204	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
23	LAMP205	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
24	LAMP206	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
25	LAMP207	0601-001547	LED	"CHIP,BLUE,1.1X0.8MM,468NM"	SLS-NNBL102TS
26	U200	0801-002540	IC-CMOS LOGIC	"7SZ19,DECODER,SOP,6P,49MIL,SINGLE,TP, PLASTIC,-,-,0.55V,-40to+85C,-,4.125V,1uA,-,"	NC7SZ19P6X
27	Q201	1003-001440	IC-POWER DRIVER	"MDC3105LT1,SOT-23,3P,49MIL,-,500MA,TP," PLASTIC,6V,-40TO+85C,225MA,-,-	MDC3105LT1
28	U203	1009-001010	IC-HALL EFFECT S/W	"A3212ELH-SAMSUNG,SC-59A,3P,82MIL,TP, BICMOS,PLASTIC,3.5V,2MA,-40TO+85C,-,-,340K"	A3212ELHLT-SAMSUNG
29	U103	1203-002076	IC-VOLTAGE REGULATOR	"2985,SOT-23,5P,63MIL,PLASTIC,2.9/3.1V,-, -40to+125C,350mA,-,TP"	LP2985AIM5X-3.0
30	U100	1203-002077	IC-VOLTAGE REGULATOR	"2985,SOT-23,5P,63MIL,PLASTIC,3.284/3.416V,-, -40to+125C,350mA,-,TP"	LP2985AIM5X-3.3
31	U301	1204-001811	IC-MELODY	"YMU759-QE2,QFN,32P,-,PLASTIC,6V,-, -20TO+85C,TP,-"	YMU759-QE2

NO	Reference	SEC CODE	Part	Description	Vendor Part No.
32	TH200	1404-001221	THERMISTOR-NTC	"47Kohm,-,4050K,1mW/C,-,-,TP"	NCP15WB473J04RC
33	V400	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
34	V401	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
35	V315	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
36	V201	1405-001110	VARISTOR	"18V,20A,1X0.5X0.6MM,TP"	AVLC 14S 02 050
37	V202	1405-001110	VARISTOR	"18V,20A,1X0.5X0.6MM,TP"	AVLC 14S 02 050
38	R215	2007-000137	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ202X
39	R217	2007-000143	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ472X
40	R413	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
41	R712	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
42	R713	2007-000152	R-CHIP	"20Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ203X
43	R204	2007-000157	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ473X
44	R422	2007-000157	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ473X
45	R203	2007-000159	R-CHIP	"56Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ563X
46	R200	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
47	R201	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
48	R304	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
49	R305	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
50	R416	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
51	R417	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
52	R425	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
53	R426	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
54	R430	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
55	R306	2007-001325	R-CHIP	"3.3Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ332X
56	R207	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
57	R208	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
58	R209	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
59	R210	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
60	R211	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
61	R212	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
62	R213	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
63	R214	2007-007009	R-CHIP	"75OHM,5%,1/16W,DA,TP,1005"	ERJ2GEJ750X
64	C441	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
65	C442	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
66	C103	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
67	C113	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
68	C114	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
69	C402	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
70	C412	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
71	C413	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
72	C414	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
73	C419	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
74	C420	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT

NO	Refer ence	SEC CODE	Part	Description	Vendor Part No.
75	C422	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
76	C308	2203-000438	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1005,-"	CM05X7R102K50AH
77	C304	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
78	C400	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
79	C401	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
80	C415	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
81	C416	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
82	C417	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
83	C421	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
84	C424	2203-000854	"C-CERAMIC,CHIP"	"0.039nF,5%,50V,NP0,TP,1005"	CM05CG390J50AT
85	C432	2203-003054	"C-CERAMIC,CHIP"	"0.009nF,0.25pF,50V,NP0,TP,1005"	C1005CG1H090CT
86	C425	2203-001017	"C-CERAMIC,CHIP"	"0.004nF,0.25pF,50V,NP0,TP,1005"	CM05CG040C50AT
87	C428	2203-001017	"C-CERAMIC,CHIP"	"0.004nF,0.25pF,50V,NP0,TP,1005"	CM05CG040C50AT
88	C203	2203-002443	"C-CERAMIC,CHIP"	"0.33nF,10%,50V,X7R,TP,1005"	CL05B331KBNC
89	C423	2203-003054	"C-CERAMIC,CHIP"	"0.009nF,0.25pF,50V,NP0,TP,1005"	"C-CERAMIC,CHIP"
90	C100	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
91	C200	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
92	C201	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
93	C202	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
94	C305	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
95	C132	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
96	C133	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
97	C102	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
98	C112	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
99	L300	2703-002206	INDUCTOR-SMD	"39NH,5%,1.0X0.5X0.5MM"	CIH05T39NJNC
100	L400	2703-002206	INDUCTOR-SMD	"39NH,5%,1.0X0.5X0.5MM"	CIH05T39NJNC
101	L401	2703-002206	INDUCTOR-SMD	"39NH,5%,1.0X0.5X0.5MM"	CIH05T39NJNC
102	C443	2203-003054	"C-CERAMIC,CHIP"	"0.009nF,0.25pF,50V,NP0,TP,1005"	"C-CERAMIC,CHIP"
103	L402	2703-002206	INDUCTOR-SMD	"39NH,5%,1.0X0.5X0.5MM"	CIH05T39NJNC

3-2 Main Parts List Bottom

NO	Refer ence	SEC CODE	Part	Description	Vendor Part No.
1	Q700	0504-001058	TR-DIGITAL	"RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD6,TP"	RN4985-TE85L
2	Q701	0504-001058	TR-DIGITAL	"RN4985,NPN/PNP,200mW,2.2Kohm/47Kohm,UMD6,TP"	RN4985-TE85L
3	U201	0504-001060	TR-DIGITAL	"BCR08PN,NPN/PNP,250mW,2.2Kohm/47Kohm,SOT-363,TP"	BCR08PN
4	Q400	0505-001332	FET-SILICON	"FDG6301,N,25V,0.22A,4OHM,.3W,SC70-6"	FDG6301N
5	U101	0505-001423	FET-SILICON	"FDG6323L,N/P,-,-,0.3W,SC70-6"	FDG6323L
6	U105	0506-001004	TR-ARRAY	"UMC5N,NPN/PNP,2,50V,-,-100mA,3"	UMC5NTR
7	U401	1001-001145	IC-ANALOG SWITCH	"MAX4599EXT,-,SC70,6P,49MIL,SINGLE,5.5V,-40to+85C,PLASTIC,245mW,60ohm,25ns,30ns,0"	MAX4599EXT-T
8	U230	1001-001183	IC-ANALOG SWITCH	"MAX4684EUB,-,TSSOP,10P,114MIL,DUAL,3.3V,-40TO+85CC,PLASTIC,444MW,0.8OHM,30NS,50N"	MAX4684EUB
9	U300	1109-001218	IC-ETC. MEMORY	"LRS1806,4MX16/1MX16BIT,BGA,72P,11X8MM,85NS,3V,10%,PLASTIC,-25TO+85C,80UA,CMOS,TR"	LRS1806A
10	U701	1201-001785	IC-POWER AMP	"08122,-,8P,-,DUAL,34DB,-,7V,-,-25TO+100C,-,-,-,-,"	PF08122B-10-TB
11	U500	1203-001454	IC-VOLTAGE REGULATOR	"2981,SOT-23,5P,59MIL,PLASTIC,3"	LP2981AIM5X-3.0 4.2#TR
12	U104	1203-002127	IC-BATTERY	"1734,SOT-23,6P,150MIL,PLASTIC,4.7/5.3V,-,0to+70C,1A,-,TP"	LTC1734ES6-
13	U106	1203-002247	IC-VOL. DETECTOR	"S-809,SOT-23-5,5P,-,-,-,150MW,-40TO+85C,50MA,-,TP"	S-80926ALMP- DAP-T2
14	U501	1203-002598	IC-VOLTAGE REGULATOR	"2981,SOT-23,5P,2.92X1.6MM,PLASTIC,2.8V,-,40TO+125C,100MA,-,TP"	LP2981AIM5X-2.8
15	U112	1203-002599	IC-VOLTAGE REGULATOR	"2981,SOT-23,5P,2.92X1.6MM,PLASTIC,2.5V,-,40TO+125C,100MA,-,TP"	LP2981AIM5X-2.5
16	U111	1203-002599	IC-VOLTAGE REGULATOR	"2981,SOT-23,5P,2.92X1.6MM,PLASTIC,2.5V,-,40TO+125C,100MA,-,TP"	LP2981AIM5X-2.5
17	U400	1205-002035	IC-COMM. CONTROLLER	"VP40581B,FBGA,180P,-,PLASTIC,3.3V,-,40TO+85C,TR,ONEC PROCESSOR"	VP40581E3
18	U600	1205-002248	IC-TRANSCEIVER	"SI4200DB-BM,MLP,32P,5X5MM,-,3V,-,-20TO+85C,TP,DUALBAND TRANSCEIVER"	SI4200DB-BM
19	U601	1205-002185	IC-INTERFACE	"SI4201-BM,MLP,20P,4X4MM,-,3V,-,-20TO+85C,TP,UNIVERSAL BASEBAND"	SI4201-BM
20	U702	1209-001379	"IC-ETC, LINEAR"	"HD155173ANPEL,-,16P,-,-,3.4V,240MW,-25TO+85C,TP"	HD155173ANPSEL
21	U503	1209-001434	IC-PLL/SYNTHESIZER	"SI4133T-BM,MLP,28P,5X5MM,-,3V,-,-20TO+85C,TP"	SI4133T-BM
22	V300	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
23	V301	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
24	V403	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
25	V404	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
26	V405	1405-001082	VARISTOR	"5.6V,20A,1x0.5x0.6mm,TP"	VC040205X150R
27	V310	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
28	V309	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
29	V308	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
30	V307	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300

NO	Refer ence	SEC CODE	Part	Description	Vendor Part No.
31	V306	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
32	V305	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
33	V304	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
34	V303	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
35	V302	1405-001093	VARISTOR	"14V,20A,1x0.5x0.6mm,TP"	VC040214X300
36	V203	1405-001110	VARISTOR	"18V,20A,1X0.5X0.6MM,TP"	AVLC 14S 02 050
37	R500	2007-000138	R-CHIP	"100ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ101X
38	R419	2007-000139	R-CHIP	"220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
39	R427	2007-000139	R-CHIP	"220ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ221X
40	R100	2007-000140	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ102X
41	R428	2007-000141	R-CHIP	"2.2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ222X
42	R429	2007-000141	R-CHIP	"2.2Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ222X
43	R109	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
44	R300	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
45	R407	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
46	R412	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
47	R415	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
48	R501	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
49	R603	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
50	R711	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
51	R311	2007-000148	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ103X
52	R418	2007-000152	R-CHIP	"20Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ203X
53	R714	2007-000152	R-CHIP	"20Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ203X
54	R105	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
55	R106	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
56	R107	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
57	R108	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
58	R110	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
59	R301	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
60	R302	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
61	R303	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
62	R408	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
63	R410	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
64	R411	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
65	R421	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
66	R432	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
67	R435	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
68	R437	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
69	R438	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
70	R312	2007-000162	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ104X
71	R423	2007-000168	R-CHIP	"470Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ474X
72	R609	2007-000242	R-CHIP	"1.5Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ152X
73	R101	2007-000831	R-CHIP	"39Kohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ393X

NO	Reference	SEC CODE	Part	Description	Vendor Part No.
74	R706	2007-001217	R-CHIP	"82ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ820X
75	R707	2007-001217	R-CHIP	"82ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ820X
76	R600	2007-001295	R-CHIP	"39ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ390X
77	R604	2007-001295	R-CHIP	"39ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ390X
78	R502	2007-001298	R-CHIP	"51ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ510X
79	R503	2007-001298	R-CHIP	"51ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ510X
80	R504	2007-001298	R-CHIP	"51ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ510X
81	R505	2007-001298	R-CHIP	"51ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ510X
82	R709	2007-001301	R-CHIP	"68ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ680X
83	R710	2007-001301	R-CHIP	"68ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ680X
84	R611	2007-001305	R-CHIP	"120ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ121X
85	R704	2007-001305	R-CHIP	"120ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ121X
86	R420	2007-002796	R-CHIP	"510ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ511X
87	R424	2007-002796	R-CHIP	"510ohm,5%,1/16W,DA,TP,1005"	ERJ2GEJ511X
88	R219	2007-003001	R-CHIP	"120HM,5%,1/16W,DA,TP,1005"	TSR16GJ120V
89	R220	2007-003001	R-CHIP	"120HM,5%,1/16W,DA,TP,1005"	TSR16GJ120V
90	R104	2007-007107	R-CHIP	"100Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1003
91	R700	2007-007142	R-CHIP	"10Kohm,1%,1/16W,DA,TP,1005"	ERJ2RKF103X
92	R701	2007-007142	R-CHIP	"10Kohm,1%,1/16W,DA,TP,1005"	ERJ2RKF103X
93	R705	2007-007142	R-CHIP	"10Kohm,1%,1/16W,DA,TP,1005"	ERJ2RKF103X
94	R601	2007-007307	R-CHIP	"150ohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1500F
95	R602	2007-007307	R-CHIP	"150ohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1500F
96	R606	2007-007307	R-CHIP	"150ohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1500F
97	R607	2007-007307	R-CHIP	"150ohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1500F
98	R708	2007-007307	R-CHIP	"150ohm,1%,1/16W,DA,TP,1005"	RK73H1ETP1500F
99	R703	2007-007311	R-CHIP	"22Kohm,1%,1/16W,DA,TP,1005"	RK73H1ETP2202F
100	R401	2007-007317	R-CHIP	"2.2Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF2201
101	R400	2007-007317	R-CHIP	"2.2Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF2201
102	R221	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
103	R222	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
104	R223	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
105	R224	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
106	R225	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
107	R226	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
108	R227	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
109	R228	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
110	R229	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
111	R404	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
112	R405	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
113	R406	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
114	R409	2007-007318	R-CHIP	"1Kohm,1%,1/16W,DA,TP,1005"	MCR01MZSF1001
115	R102	2007-007590	R-CHIP	"82Kohm,1%,1/16W,DA,TP,1005"	RK73H1ETP8202F
116	R113	2007-007771	R-CHIP	"00HM,5%,1/16W,DA,TP,1005"	ERJ2GEJ0R0E

NO	Reference	SEC CODE	Part	Description	Vendor Part No.
117	R608	2007-007771	R-CHIP	"00HM,5%, 1/16W,DA,TP,1005"	ERJ2GEJ0R0E
118	R103	2007-008117	R-CHIP	"2.7Kohm,1%, 1/16W,DA,TP,1005"	RK73H1ETP2701F
119	R402	2007-008117	R-CHIP	"2.7Kohm,1%, 1/16W,DA,TP,1005"	RK73H1ETP2701F
120	R403	2007-008117	R-CHIP	"2.7Kohm,1%, 1/16W,DA,TP,1005"	RK73H1ETP2701F
121	R702	2007-008117	R-CHIP	"2.7Kohm,1%, 1/16W,DA,TP,1005"	RK73H1ETP2701F
122	R439	2011-001345	R-NETWORK	"10Kohm,5%, 1/16W,L,CHIP,8P,TP"	EXB28V103JX
123	C405	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
124	C406	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
125	C407	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
126	C408	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
127	C509	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
128	C514	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
129	C604	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
130	C701	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
131	C705	2203-000233	"C-CERAMIC,CHIP"	"0.1nF,5%,50V,NP0,TP,1005"	CM05CG101J50AT
132	C104	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
133	C302	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
134	C411	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
135	C508	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
136	C512	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
137	C513	2203-000254	"C-CERAMIC,CHIP"	"10nF,10%,16V,X7R,TP,1005,-"	CM05X7R103K16AT
138	C704	2203-000311	"C-CERAMIC,CHIP"	"0.12nF,5%,50V,NP0,TP,1005"	CM105CG121J50AT
139	C702	2203-000438	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1005,-"	CM05X7R102K50AH
140	C713	2203-000438	"C-CERAMIC,CHIP"	"1nF,10%,50V,X7R,TP,1005,-"	CM05X7R102K50AH
141	C712	2203-002668	"C-CERAMIC,CHIP"	"0.0005nF,0.1pF,50V,NP0,TP,1005"	C1005CG1H0R5BT
142	C716	2203-000628	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1005"	GRP1555C1H220JZ01E
143	C708	2203-000654	"C-CERAMIC,CHIP"	"270pF,10%,50V,X7R,TP,1005,-"	CM05X7R271K50AH
144	C204	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
145	C205	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
146	C206	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
147	C207	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
148	C208	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
149	C209	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
150	C210	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
151	C211	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
152	C212	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
153	C213	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
154	C230	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
155	C231	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
156	C232	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
157	C233	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
158	C235	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
159	C236	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT

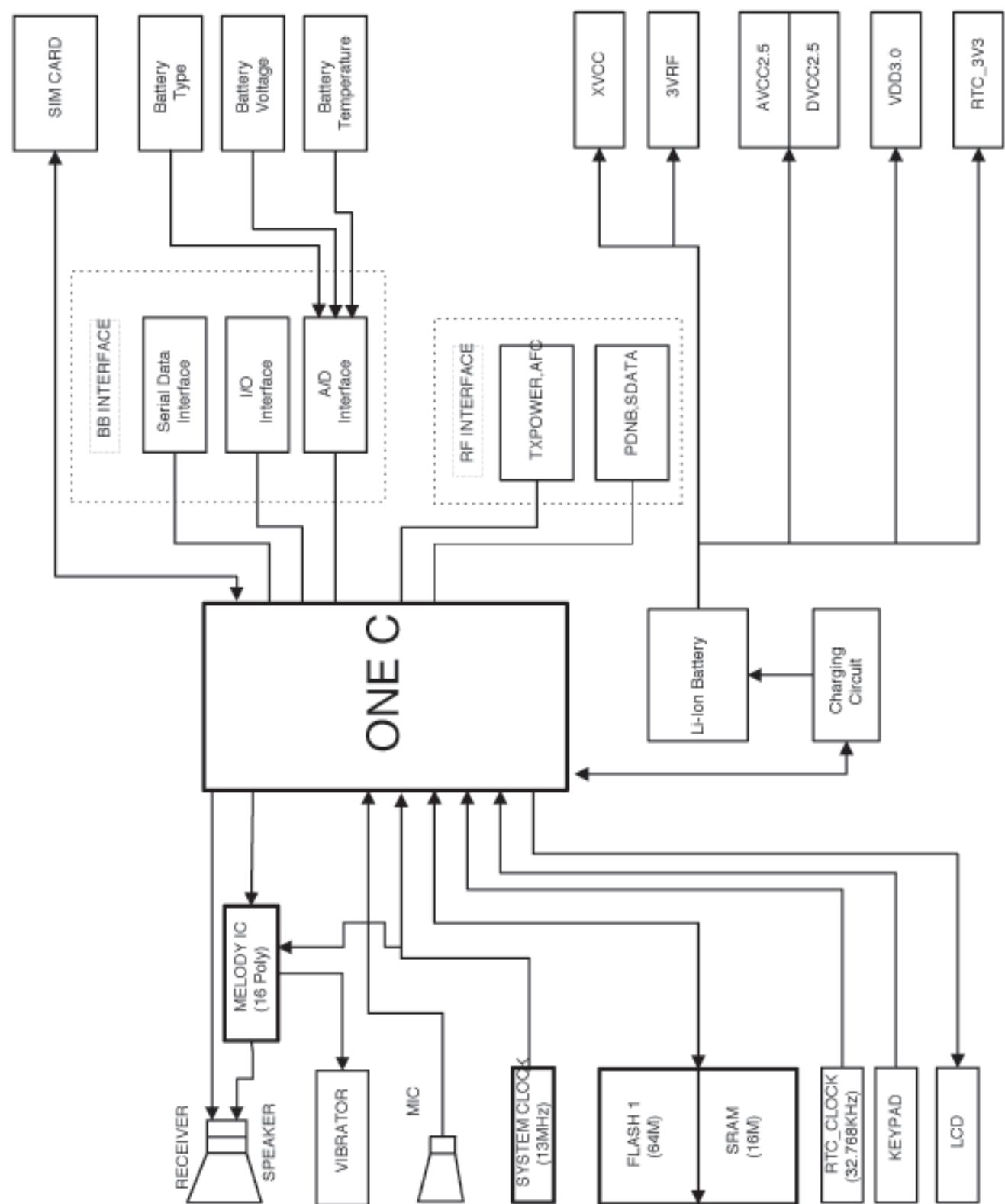
NO	Reference	SEC CODE	Part	Description	Vendor Part No.
160	C237	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
161	C240	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
162	C300	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
163	C316	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
164	C427	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
165	C435	2203-005382	"C-CERAMIC,CHIP"	"0.006nF,0.1pF,50V,NP0,TP,1005"	GRP1555C1H6R0BZ01E
166	C436	2203-005382	"C-CERAMIC,CHIP"	"0.006nF,0.1pF,50V,NP0,TP,1005"	GRP1555C1H6R0BZ01E
167	FC501	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
168	C507	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
169	C707	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
170	C709	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
171	C717	2203-000679	"C-CERAMIC,CHIP"	"0.027nF,5%,50V,NP0,TP,1005"	CM05CG270J50AT
172	C118	2203-000800	"C-CERAMIC,CHIP"	"33nF,10%,25V,X7R,TP,1608"	GRM188R71E333KA01D
173	C418	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
174	C607	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
175	C611	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
176	C710	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
177	C714	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
178	C715	2203-000812	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1005"	CM05CG330J50AT
179	C703	2203-000836	"C-CERAMIC,CHIP"	"390pF,10%,50V,X7R,TP,1005,-"	CM05X7R391K50AT
180	C433	2203-000854	"C-CERAMIC,CHIP"	"0.039nF,5%,50V,NP0,TP,1005"	CM05CG390J50AT
181	C490	2203-000854	"C-CERAMIC,CHIP"	"0.039nF,5%,50V,NP0,TP,1005"	CM05CG390J50AT
182	C491	2203-000854	"C-CERAMIC,CHIP"	"0.039nF,5%,50V,NP0,TP,1005"	CM05CG390J50AT
183	C711	2203-000870	"C-CERAMIC,CHIP"	"0.003nF,0.25pF,50V,NP0,TP,1005"	CM05CG030C50AT
184	C430	2203-000995	"C-CERAMIC,CHIP"	"0.047nF,5%,50V,NP0,TP,1005"	CM05CG470J50AT
185	C706	2203-000995	"C-CERAMIC,CHIP"	"0.047nF,5%,50V,NP0,TP,1005"	CM05CG470J50AT
186	C510	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
187	C511	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
188	C600	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
189	C601	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
190	C608	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
191	C609	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
192	C610	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
193	C612	2203-001405	"C-CERAMIC,CHIP"	"22nF,+80-20%,25V,Y5V,TP,1005"	04023G223ZAT2A
194	C605	2203-005050	"C-CERAMIC,CHIP"	"0.0018nF,0.25pF,50V,NP0,TP,1005"	CM05CG1R8C50AT
195	C606	2203-005050	"C-CERAMIC,CHIP"	"0.0018nF,0.25pF,50V,NP0,TP,1005"	CM05CG1R8C50AT
196	C110	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
197	C111	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
198	C117	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
199	C119	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
200	C301	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
201	C500	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK
202	C504	2203-005061	"C-CERAMIC,CHIP"	"100nF,+80-20%,16V,Y5V,TP,1005"	MCH153F104ZK

NO	Reference	SEC CODE	Part	Description	Vendor Part No.
203	C105	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
204	C107	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
205	C130	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
206	C501	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
207	C505	2203-005065	"C-CERAMIC,CHIP"	"1000nF,+80-20%,10V,Y5V,TP,1608"	CL10F105ZPNC
208	C602	2203-005234	"C-CERAMIC,CHIP"	"0.0012nF,0.25pF,50V,NP0,TP,1005"	GRP1555C1H1R2CZ01E
209	C603	2203-005234	"C-CERAMIC,CHIP"	"0.0012nF,0.25pF,50V,NP0,TP,1005"	GRP1555C1H1R2CZ01E
210	C429	2203-005480	"C-CERAMIC,CHIP"	"33nF,10%,10V,X7R,TP,1005,-"	GRP155R71A333KA01E
211	C434	2203-005480	"C-CERAMIC,CHIP"	"33nF,10%,10V,X7R,TP,1005,-"	GRP155R71A333KA01E
212	C438	2203-005481	"C-CERAMIC,CHIP"	"47nF,10%,10V,X7R,TP,1005,-"	GRP155R71A473KA01E
213	C409	2203-005503	"C-CERAMIC,CHIP"	"0.18nF,5%,25V,NP0,TP,1005"	GRP1556C1E181JD01E
214	C410	2203-005503	"C-CERAMIC,CHIP"	"0.18nF,5%,25V,NP0,TP,1005"	GRP1556C1E181JD01E
215	C115	2404-001020	"C-TA,CHIP"	"10uF,20%,10V,GP,TP,3216,3.2"	TMCMA1A106MTR
216	C108	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
217	C109	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
218	C116	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
219	C502	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
220	C506	2404-001105	"C-TA,CHIP"	"10UF,20%,6.3V,GP,TP,2012"	TAJR106M006R
221	C431	2404-001162	"C-TA,CHIP"	"47uF,20%,4V,LZ,TP,3216"	F950G476MAAJZTQ2
222	C101	2404-001239	"C-TA,CHIP"	"100UF,20%,6.3V,WT,TP,3.3X2.7X1.7MM"	F950J107MBAAQ2
223	C700	2404-001280	"C-TA,CHIP"	"220UF,20%,6.3V,LZ,TP,7132"	F750J227MUCGZT
224	L501	2703-001943	INDUCTOR-SMD	"10nH,5%,1.0x0.5x0.5mm"	HK1005-10NJ-T
225	L701	2703-001943	INDUCTOR-SMD	"10nH,5%,1.0x0.5x0.5mm"	HK1005-10NJ-T
226	L500	2703-002205	INDUCTOR-SMD	"3.9NH,10%,1.0X0.5X0.5MM"	CIH05T3N9KNC
227	L700	2703-002267	INDUCTOR-SMD	"4.7NH,0.3NH,1.0X0.5X0.5MM"	CIH05T4N7SNC
228	L600	2703-002484	INDUCTOR-SMD	"7.5NH,5%,1.0X0.5X0.5MM"	0402CS-7N5XJBW
229	L601	2703-002485	INDUCTOR-SMD	"27NH,5%,1.0X0.5X0.5MM"	0402CS-27NXJBW
230	OSC400	2801-004025	CRYSTAL-UNIT	"0.032768MHz,20ppm,28-ABK, 1.7fF,65kohm,TP"	FC-255
231	U502	2809-001260	OSCILLATOR-VCTCXO	"13MHZ,3PPM,10KOHM//10PF,TP,3V,-"	TCO-9141B(13MHZ)
232	F600	2904-001387	FILTER-SAW	"1.8425GHZ,-,1.1DB,TP, 1805-1880MHZ/3.0DB,-"	B7716
233	F601	2904-001417	FILTER-SAW	"942.5MHZ,-,0.8DB,TP,925. 0-960.0MHZ/1.9DB,-"	B7820
234	U704	2909-001146	FILTER-DUPLEXER	"942.5MHZ,897.5MHZ,1.4/1.5DB,TP,-,-"	LMG002S-5008C
235	CON700	3705-001242	CONNECTOR-COAXIAL	"-,JACK,100MOHM,50OHM,-"	CRS5001-1702
236	CN100	3709-001187	CONNECTOR-CARD EDGE	"6P,2.54MM,SMD-A,-"	CLE1006-0902G
237	CN300	3710-001816	CONNECTOR-SOCKET	"18P,1R,0.5MM,ANGLE,AU"	1004-0018-319
238	CN200	3711-004980	CONNECTOR-HEADER	"NO,26P,2R,0.5MM,SMD-S,AU,NTR"	AXK6F26335J
239	EAR400	3722-001715	JACK-PHONE	"6P,2.3PI,AU,BLK,-"	02-828P0-53BKA
240	C106	4302-001119	BATTERY-LI(2ND)	"3V,0.1MAH,-,-,3.1V,-"	ML414R-TT30
241	U703	4709-001213	COUPLER-DIRECTION	"1710-1785MHz,14+-1dB,12dB,	DCS214E-1747

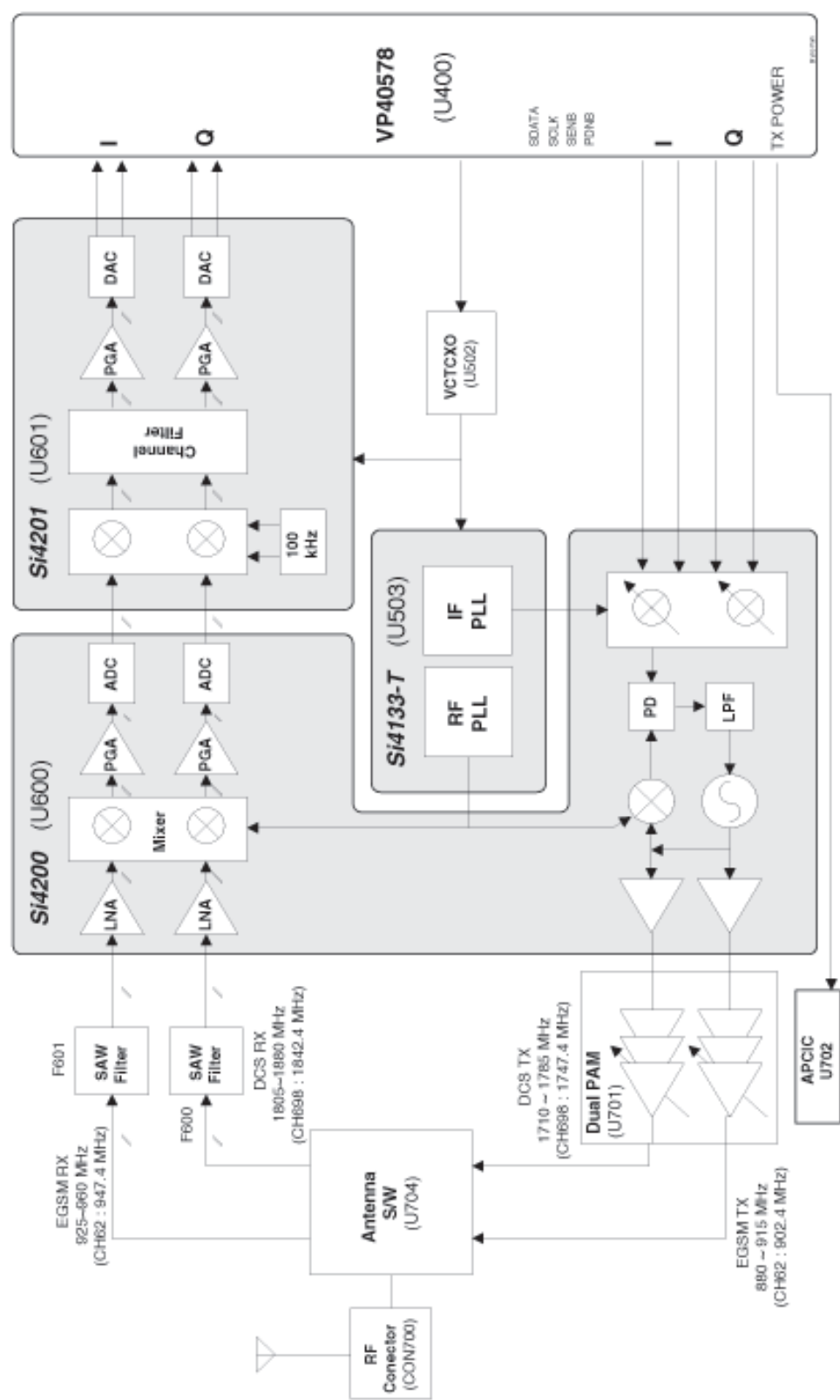
NO	Refer ence	SEC CODE	Part	Description	Vendor Part No.
				2.0X1.25X0.7mm,TP”	
242	U700	4709-001214	COUPLER-DIRECTION	“880-915MHz,19.5+-1dB, 13dB,2.0X1.25X0.7mm,TP”	DCS214E-0897
243	ANT700	GH61-00026A	SPRING ETC-ANT. CONTACT	“SGH-N620,BE-CU,-,-,-,-,GLD,-,-”	
244		GH73-01322A	RMO-RUBBER ANT CONTACT	“SPH-X7700,CR RUBBER, 3X4XT1.0,-,-,BLK,-,-,-”	

4. Block Diagrams

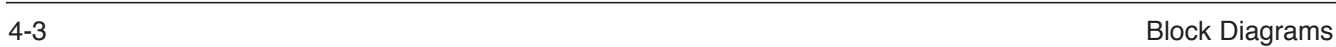
4-1 Main Base Band



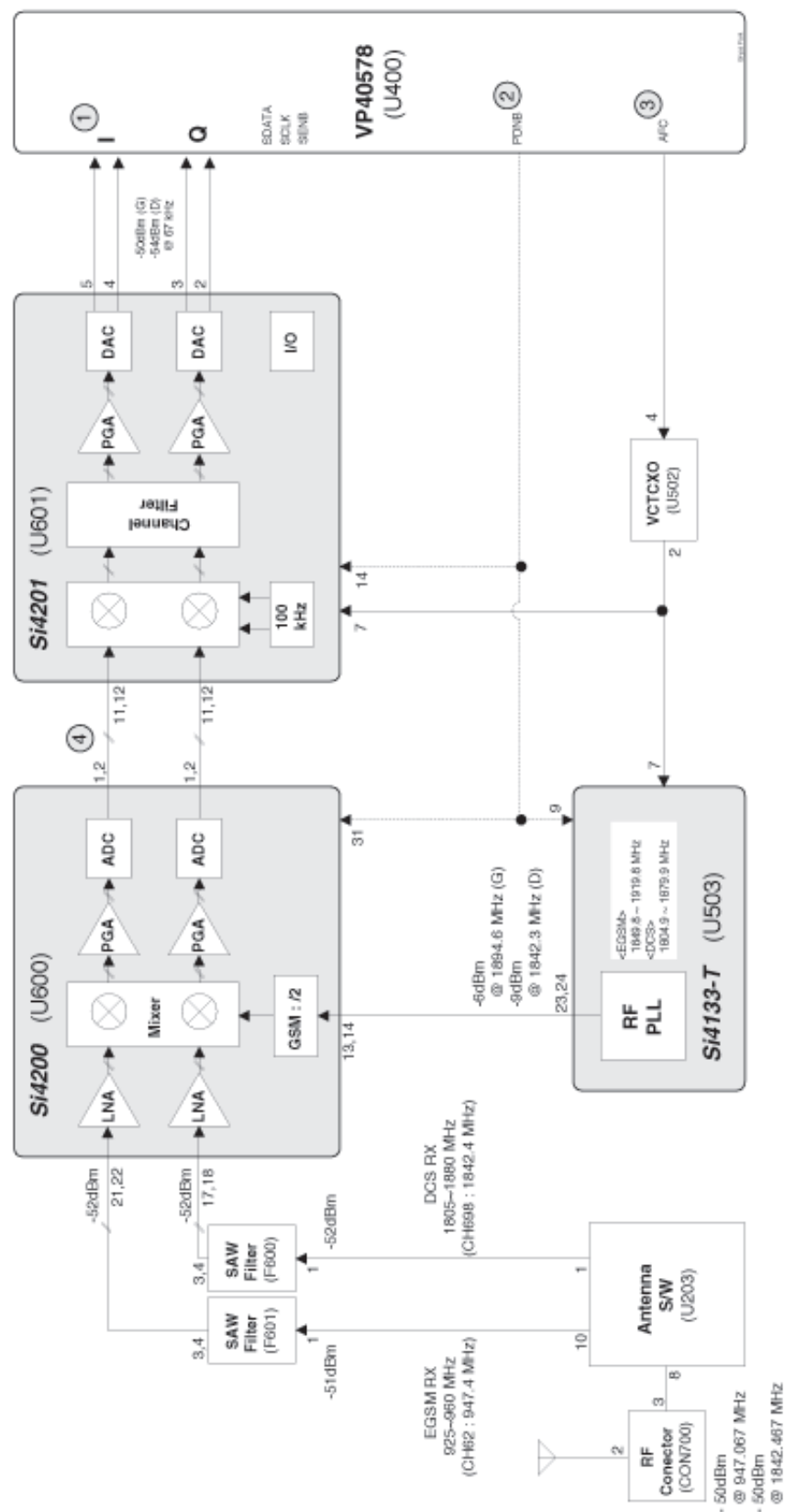
4-2 Main RF



4-2-1 RF Transmit Part

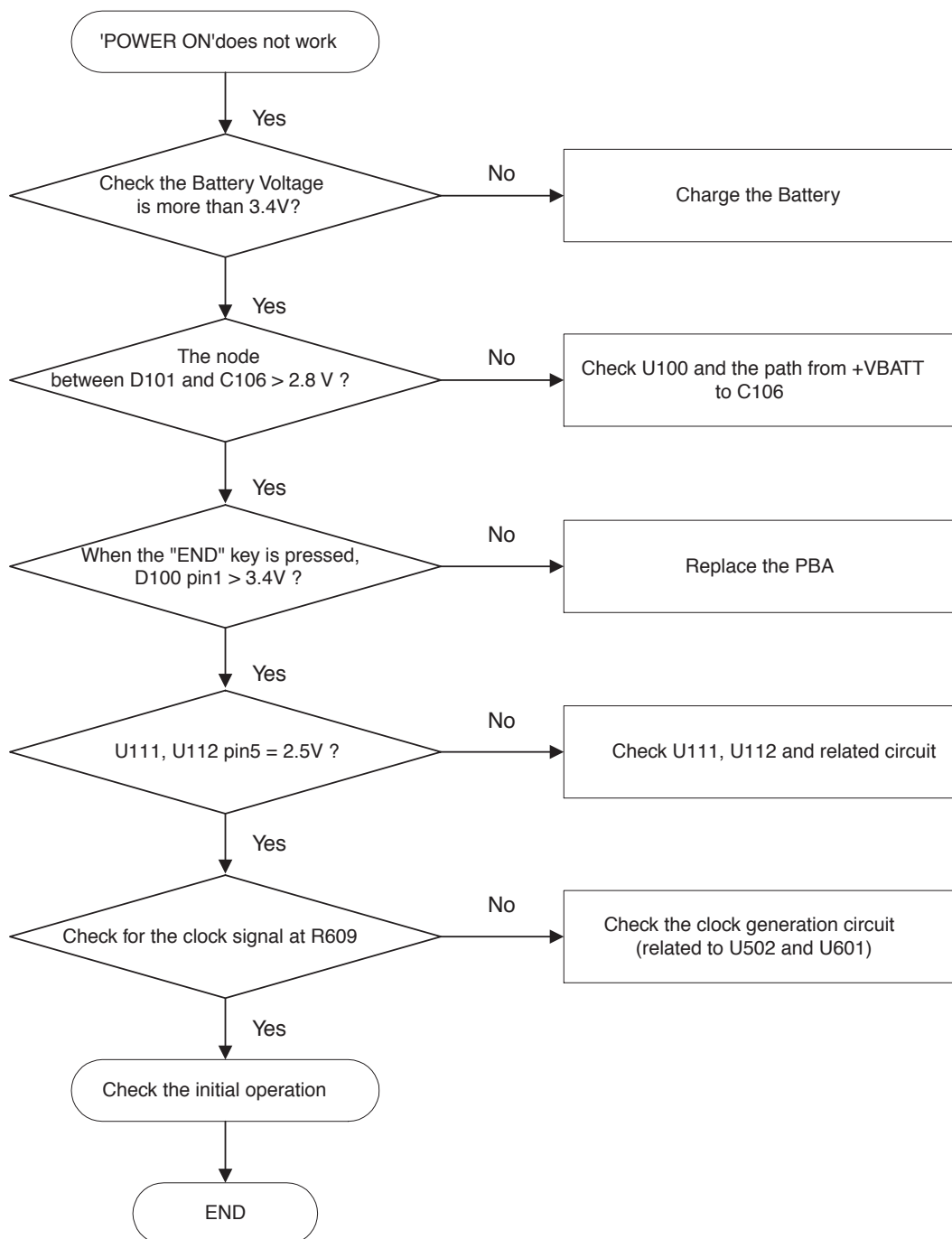


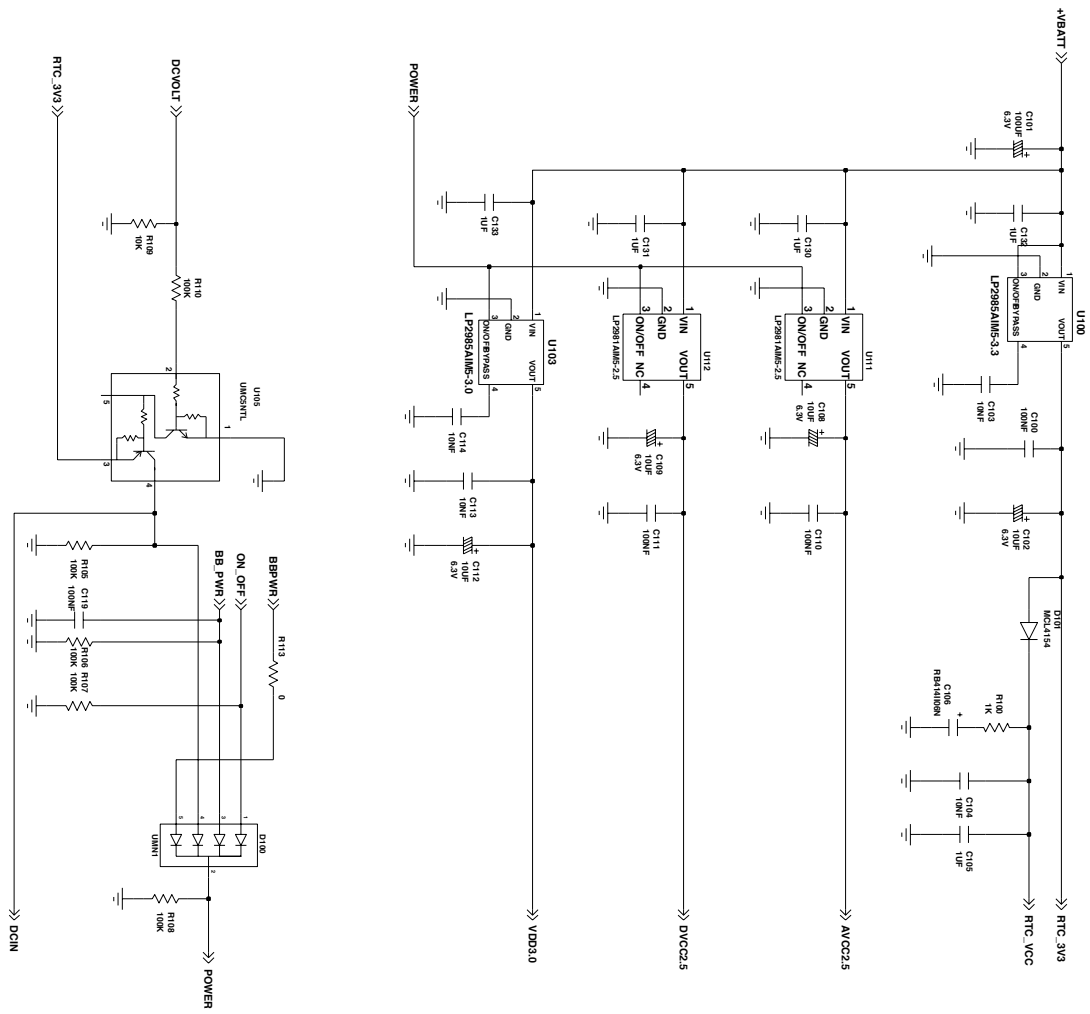
4-2-2 RF Receive Part



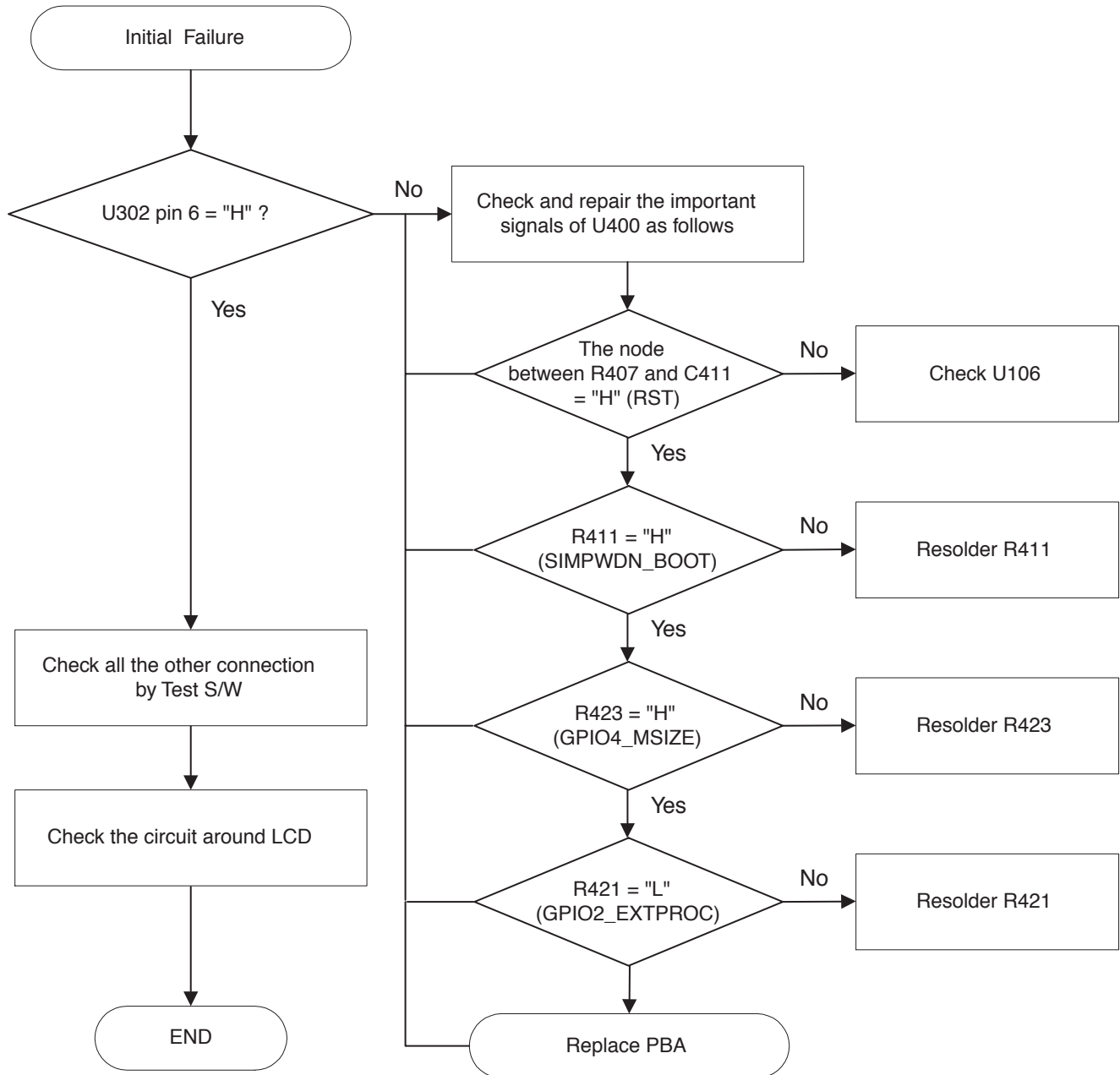
5. Flow Chart of Troubleshooting and Circuit Diagram

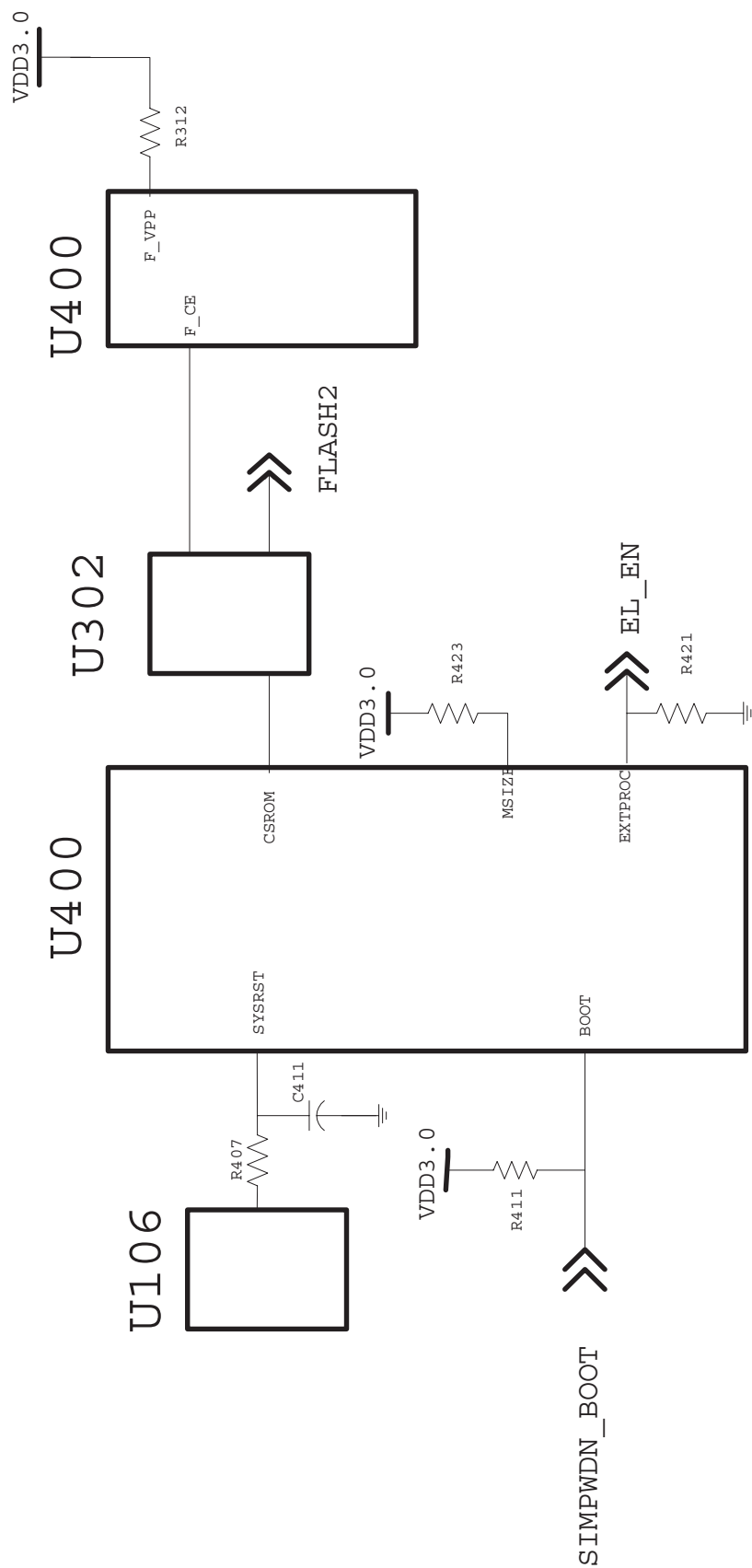
5-1 Power ON



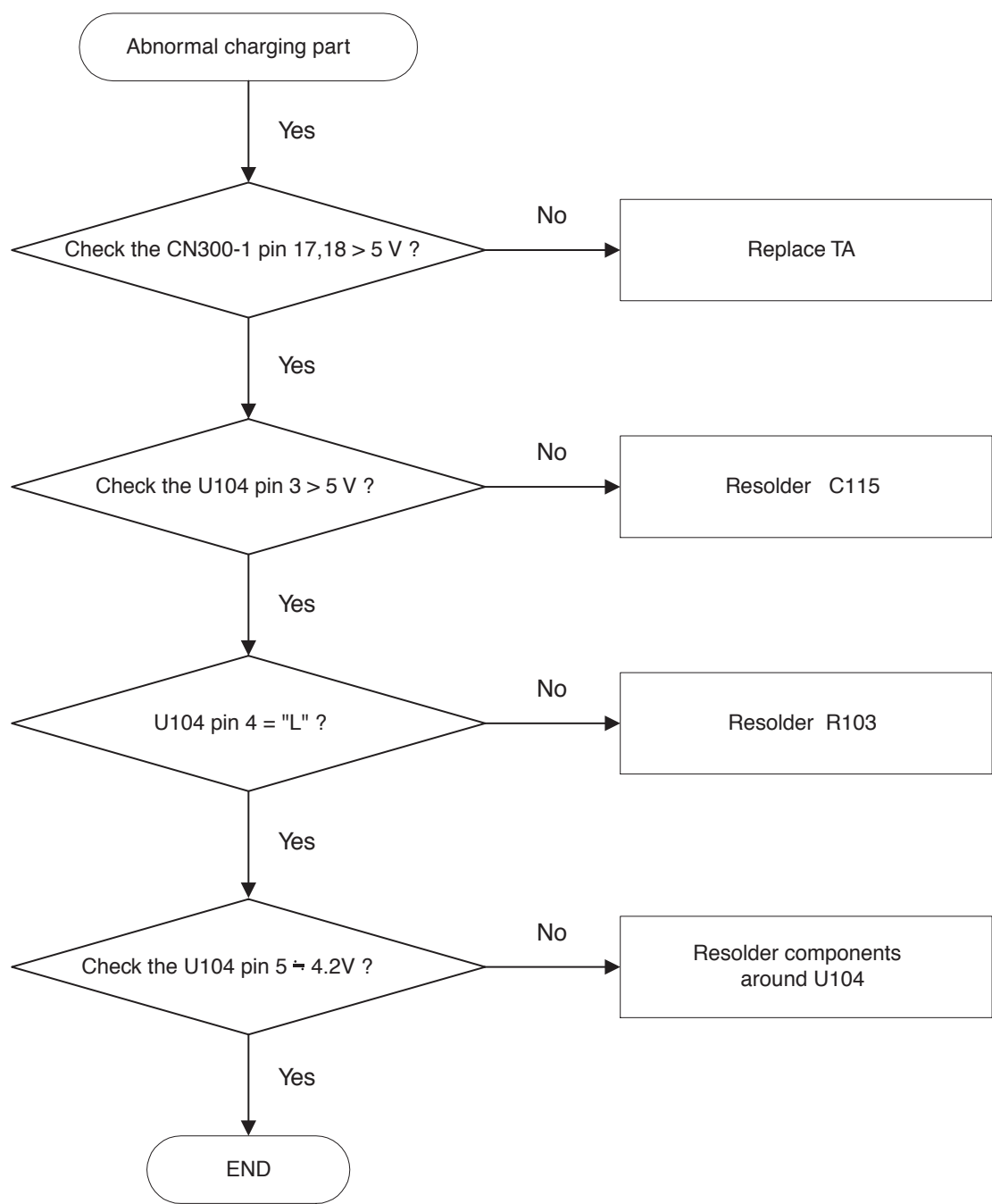


5-2 Initial

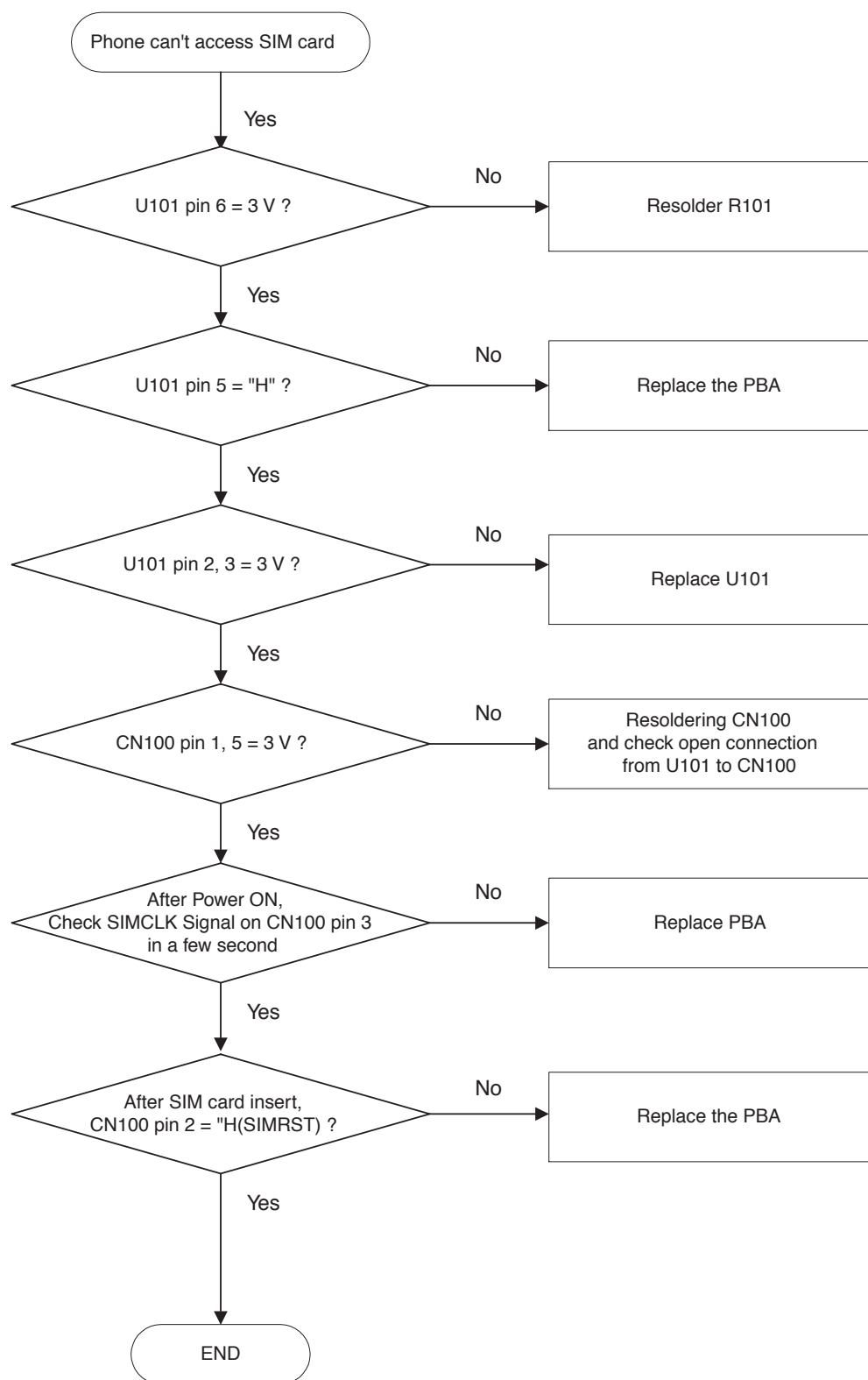




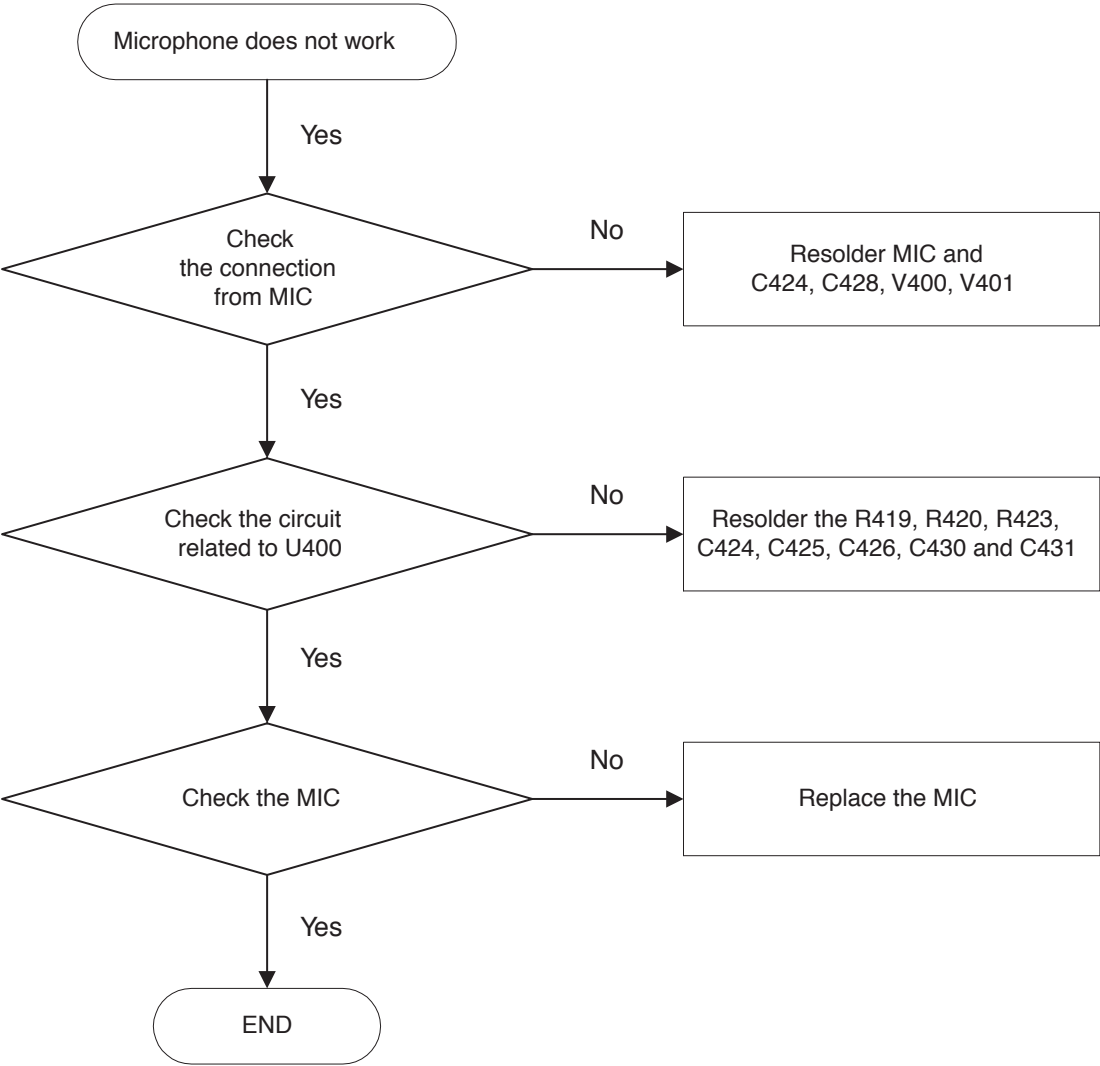
5-3 Charging Part



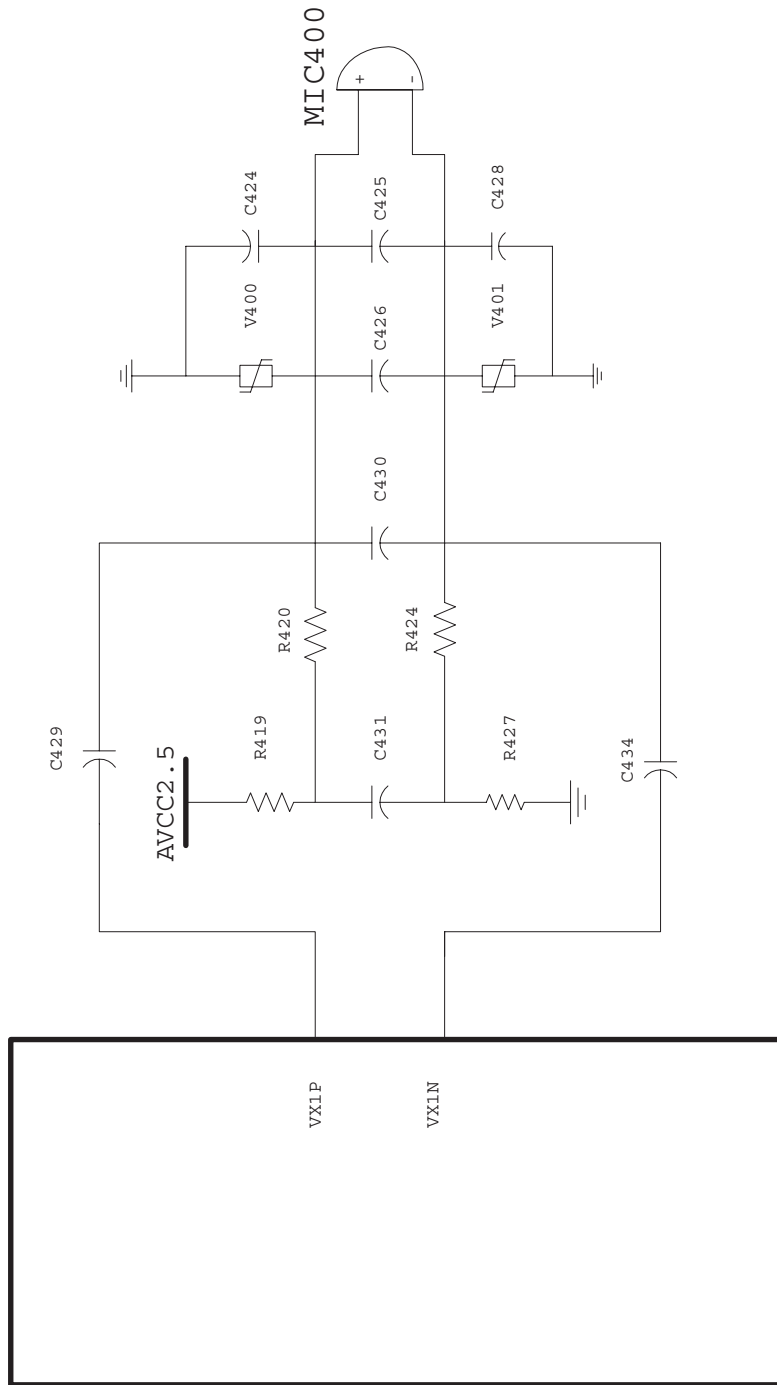
5-4 Sim Part



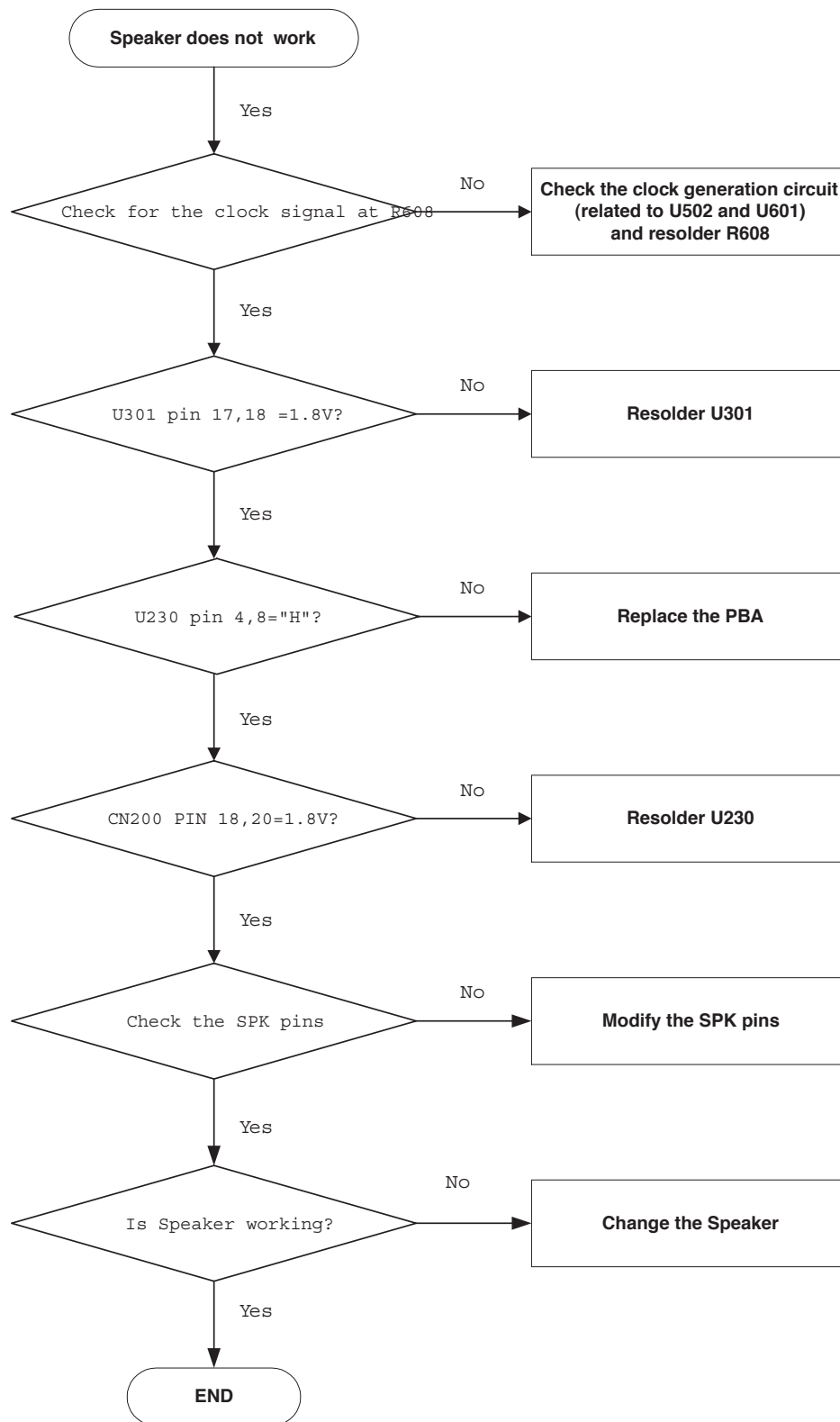
5-5 Microphone Part

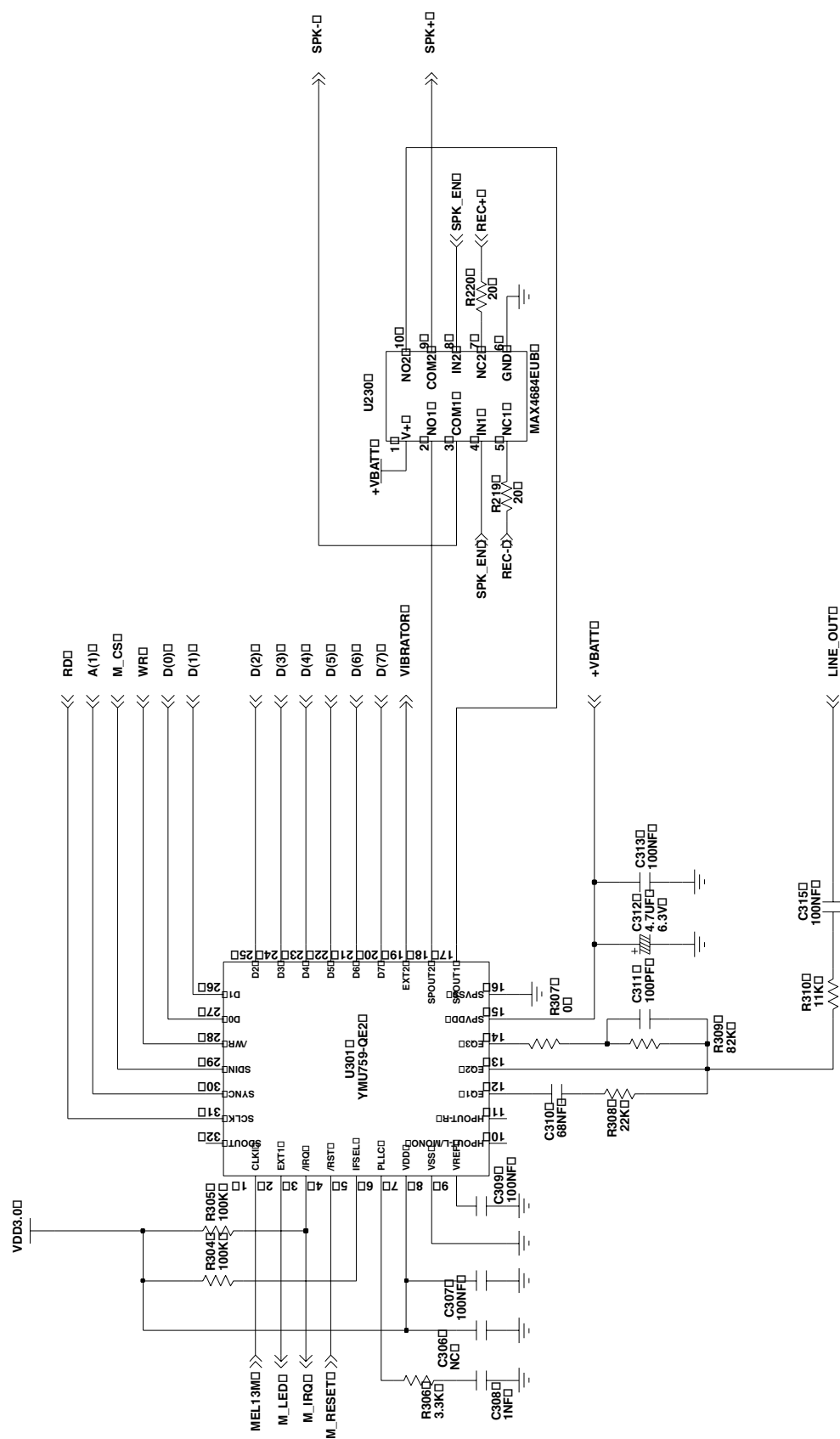


U400

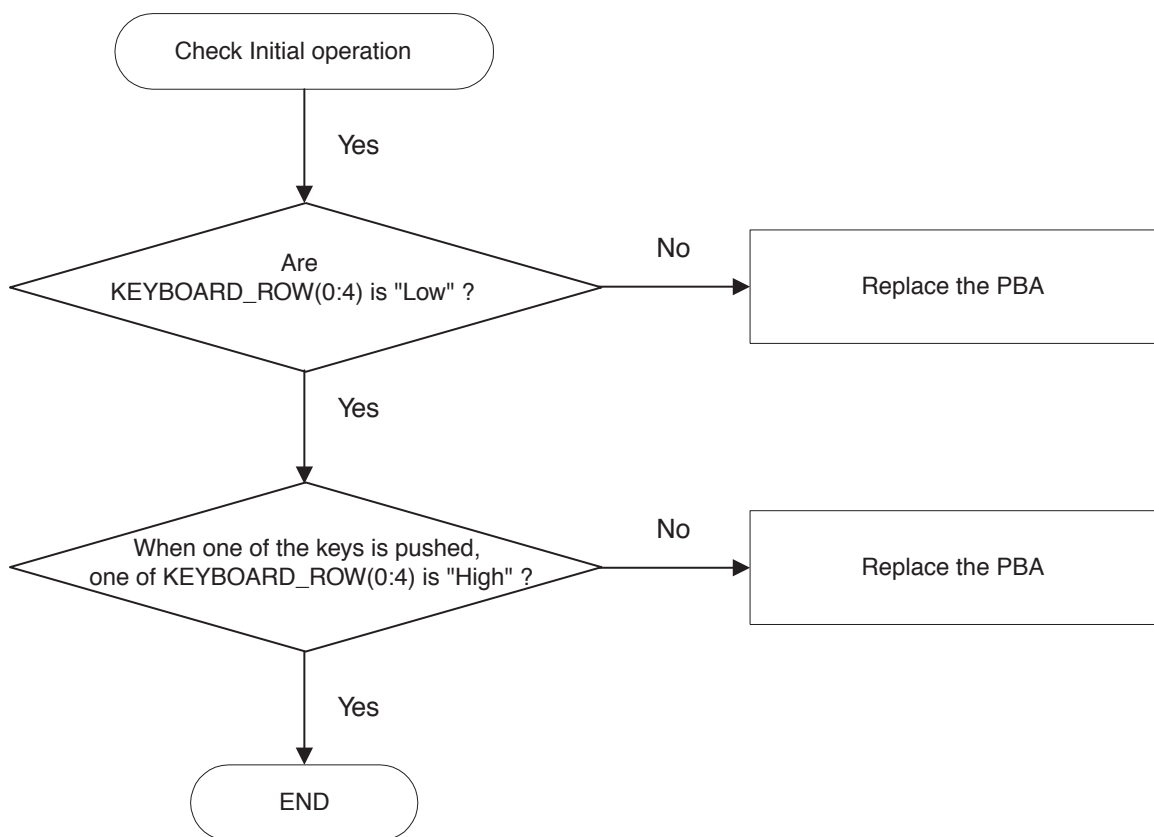


5-6 Speaker Part

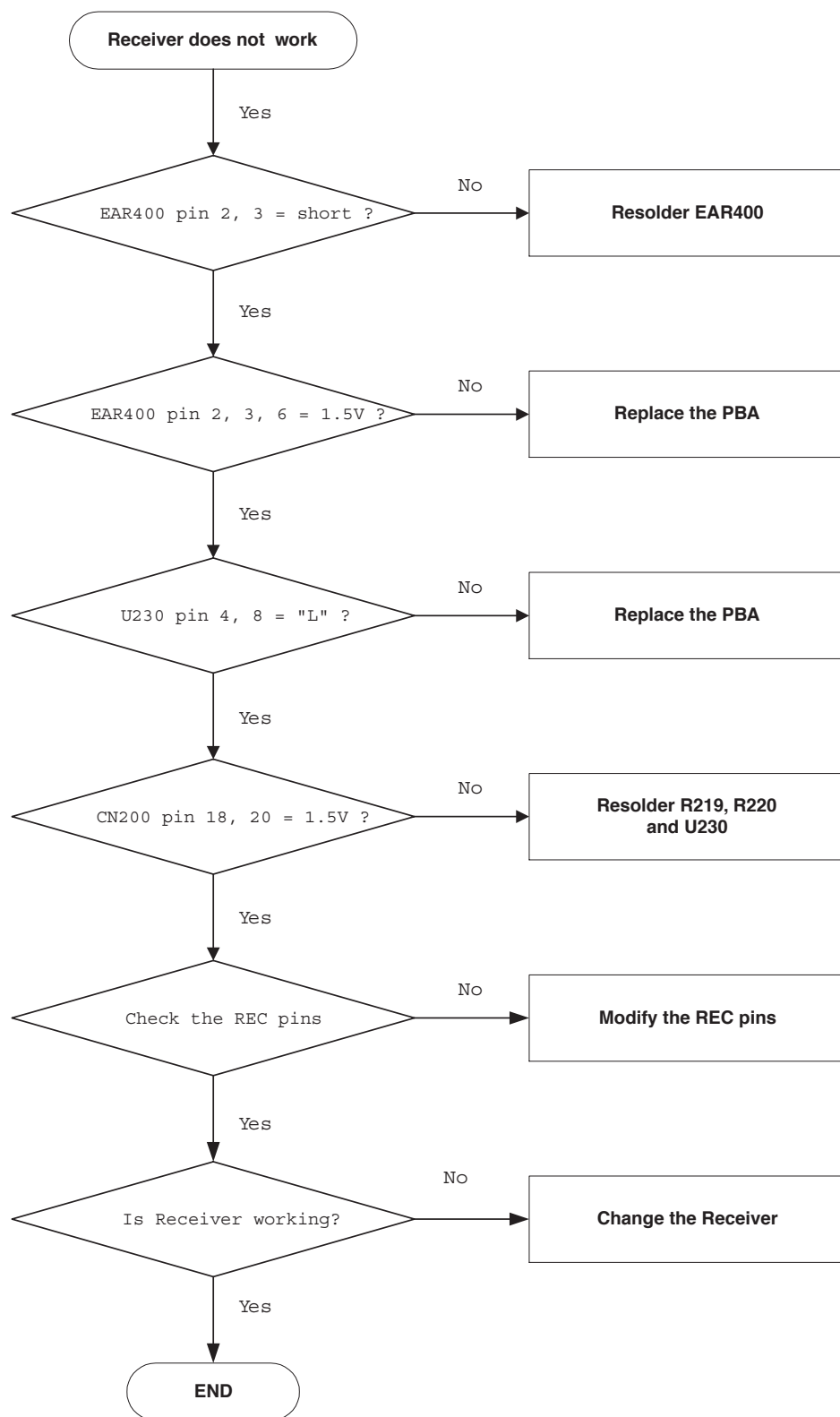


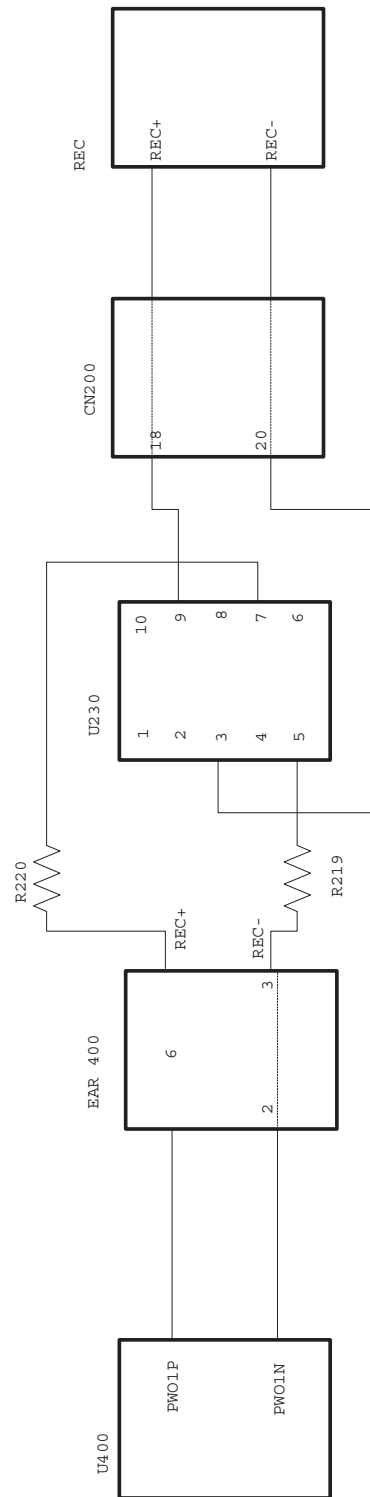


5-7 Key Data Input

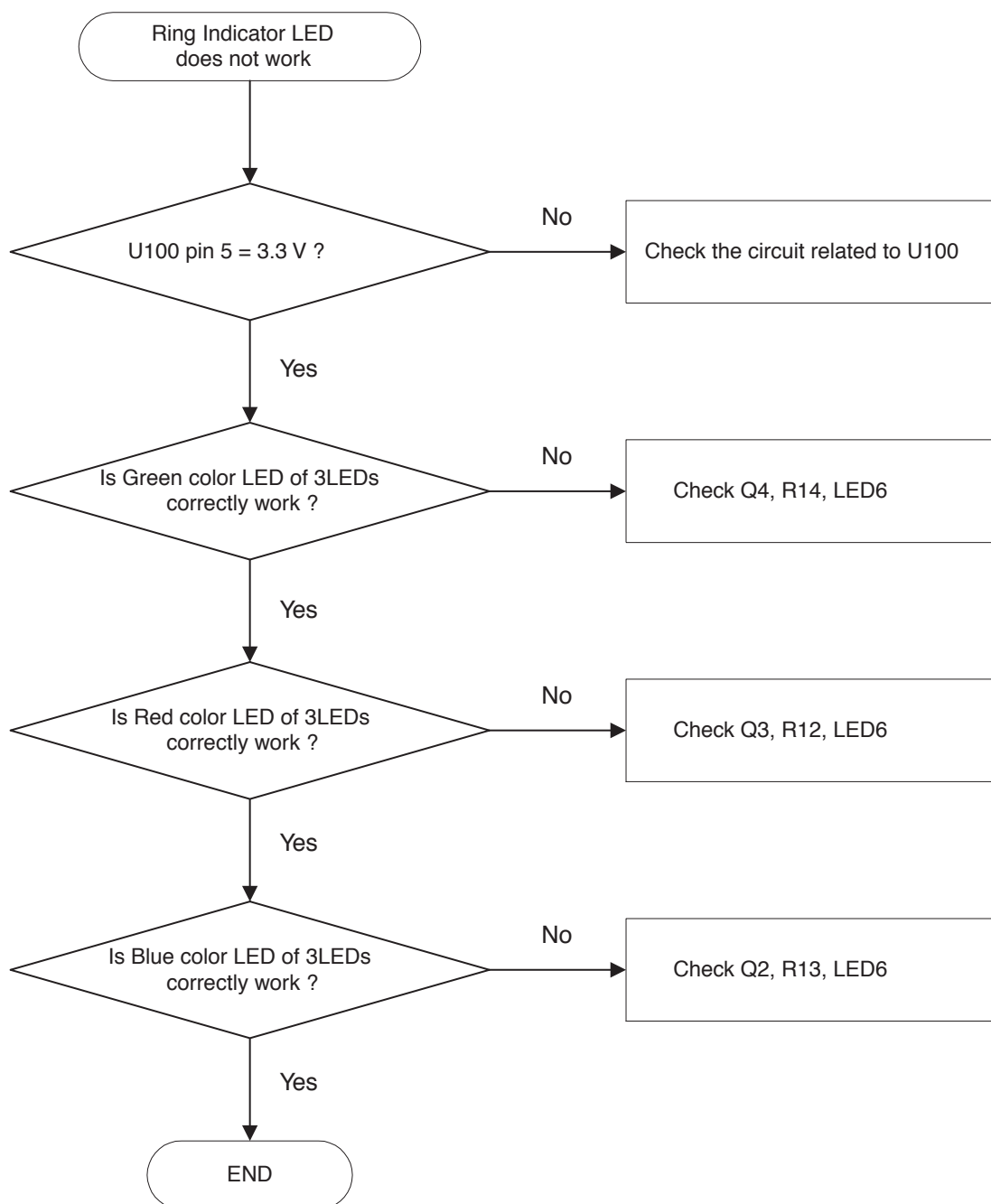


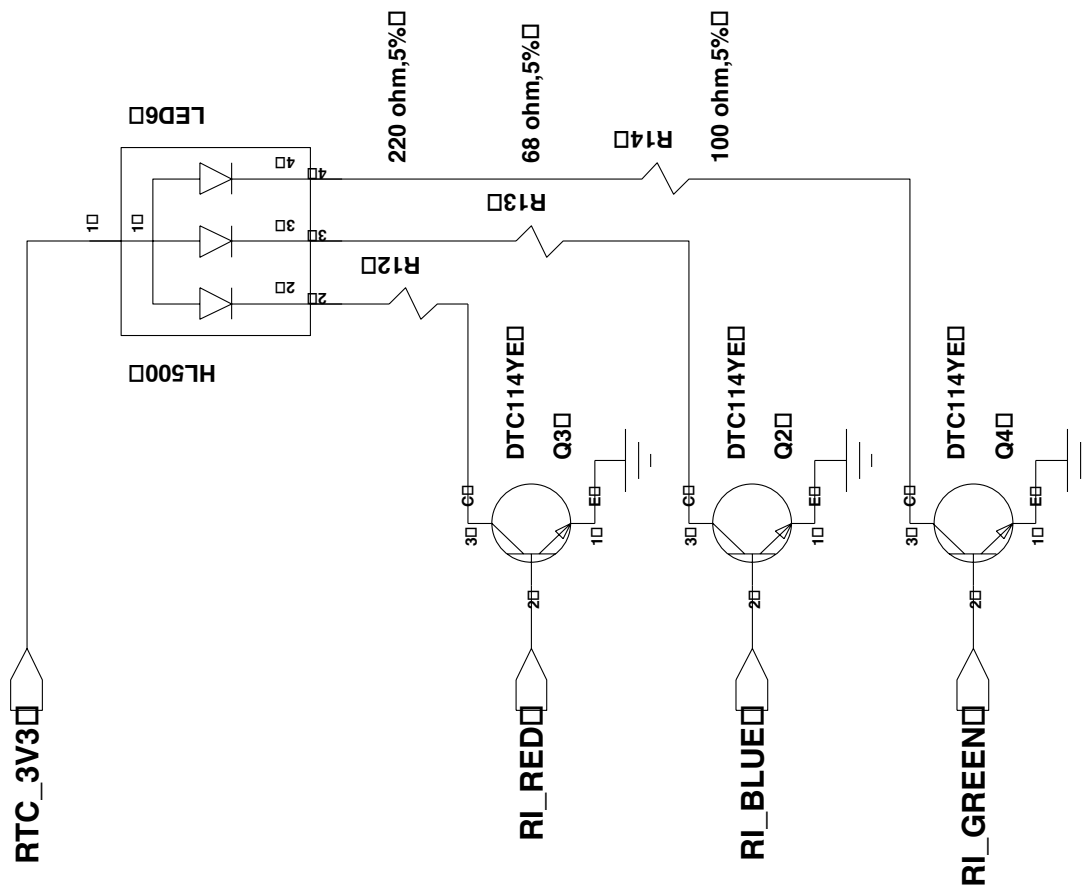
5-8 Receiver Part



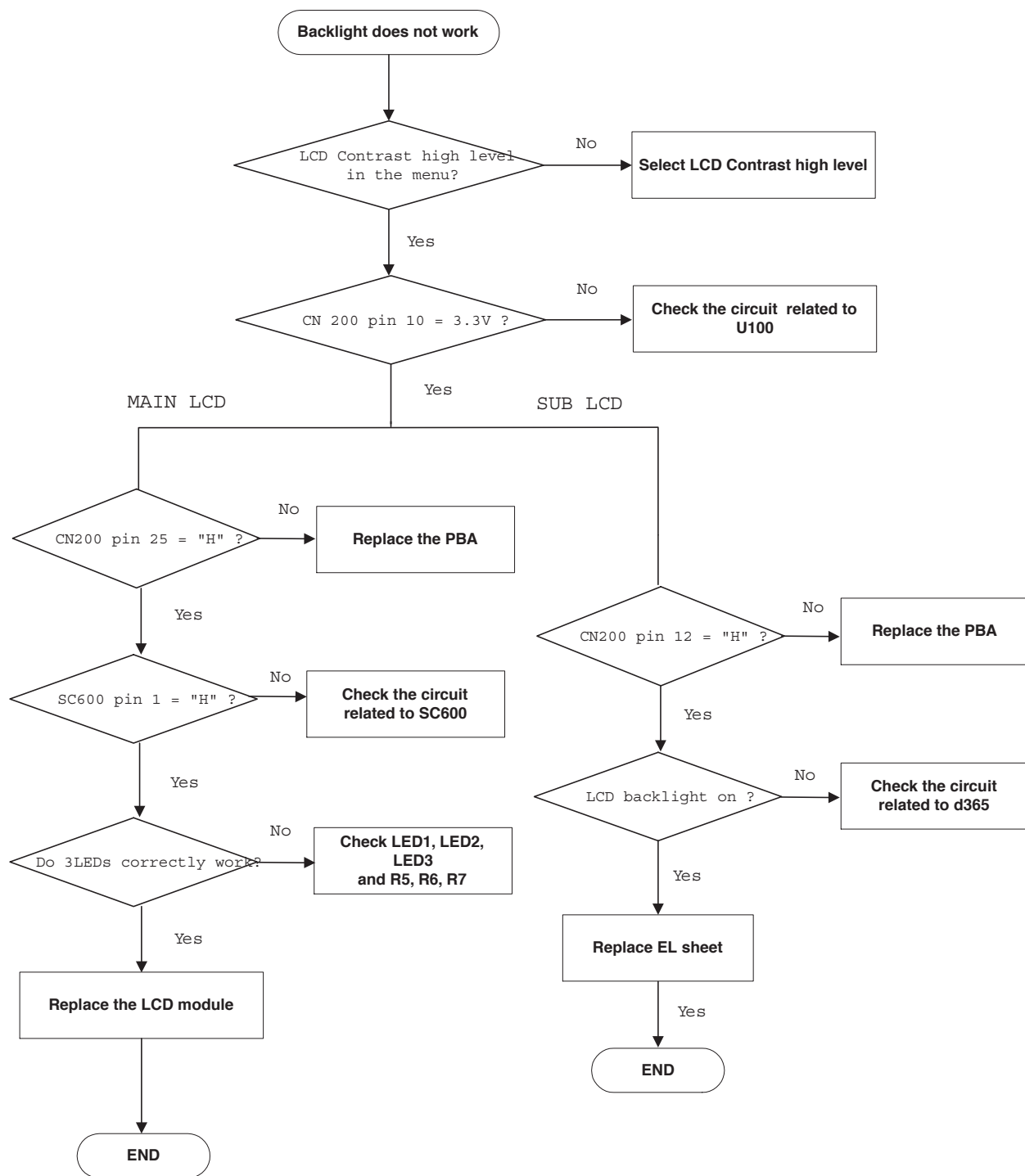


5-9 Ring Indicator

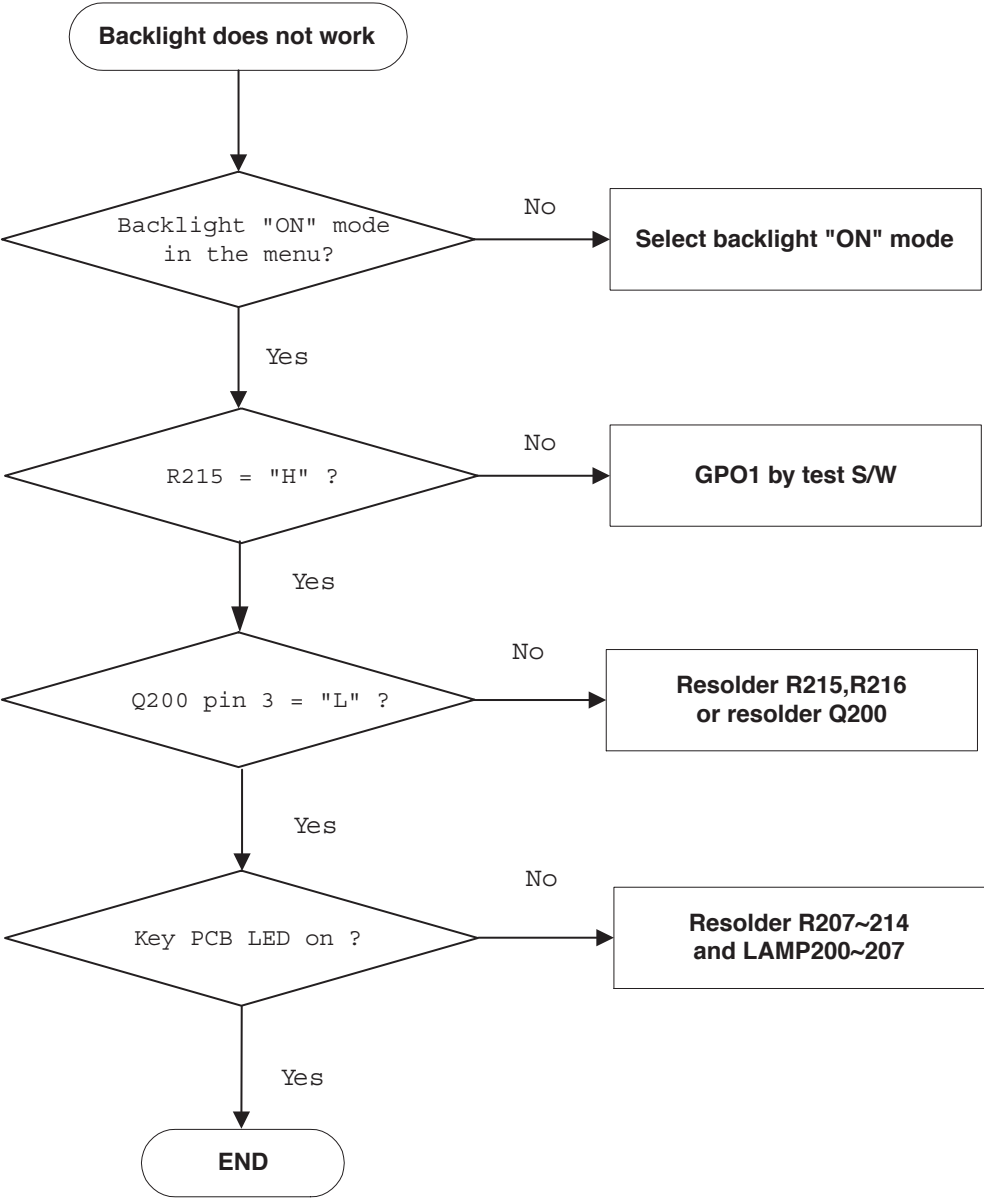




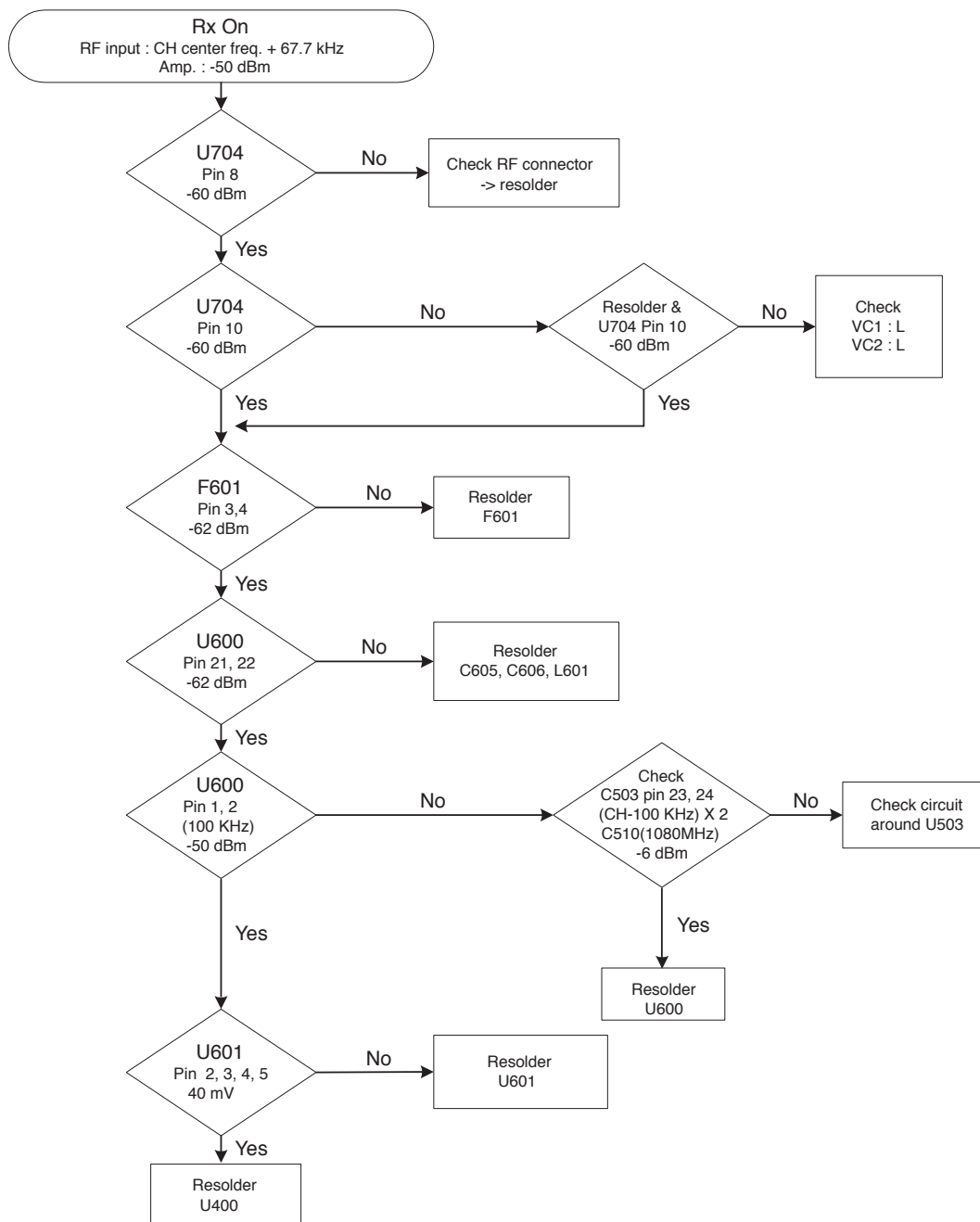
5-10 Back Light (for Main & Sub LCD)



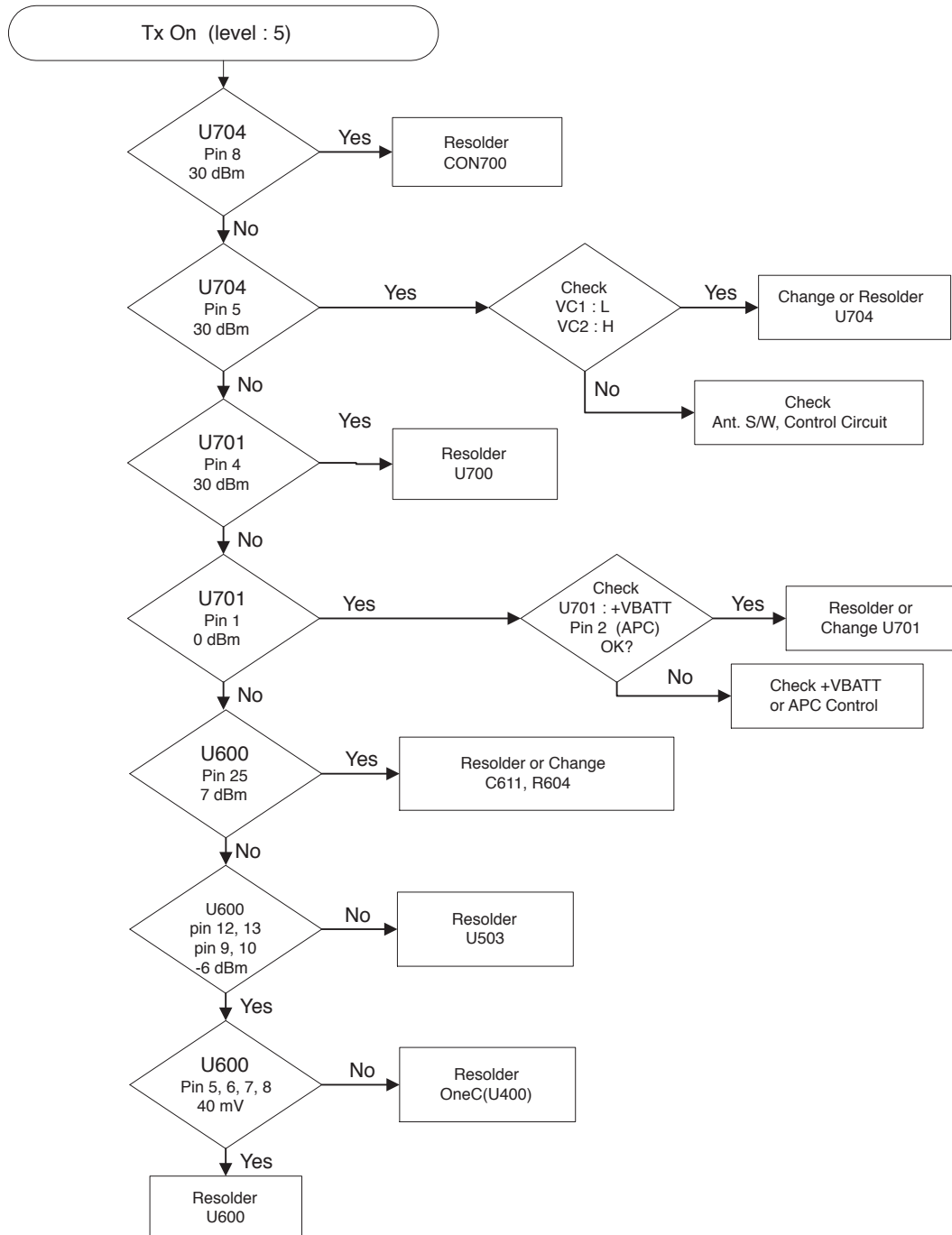
5-11 Back Light (for Key)



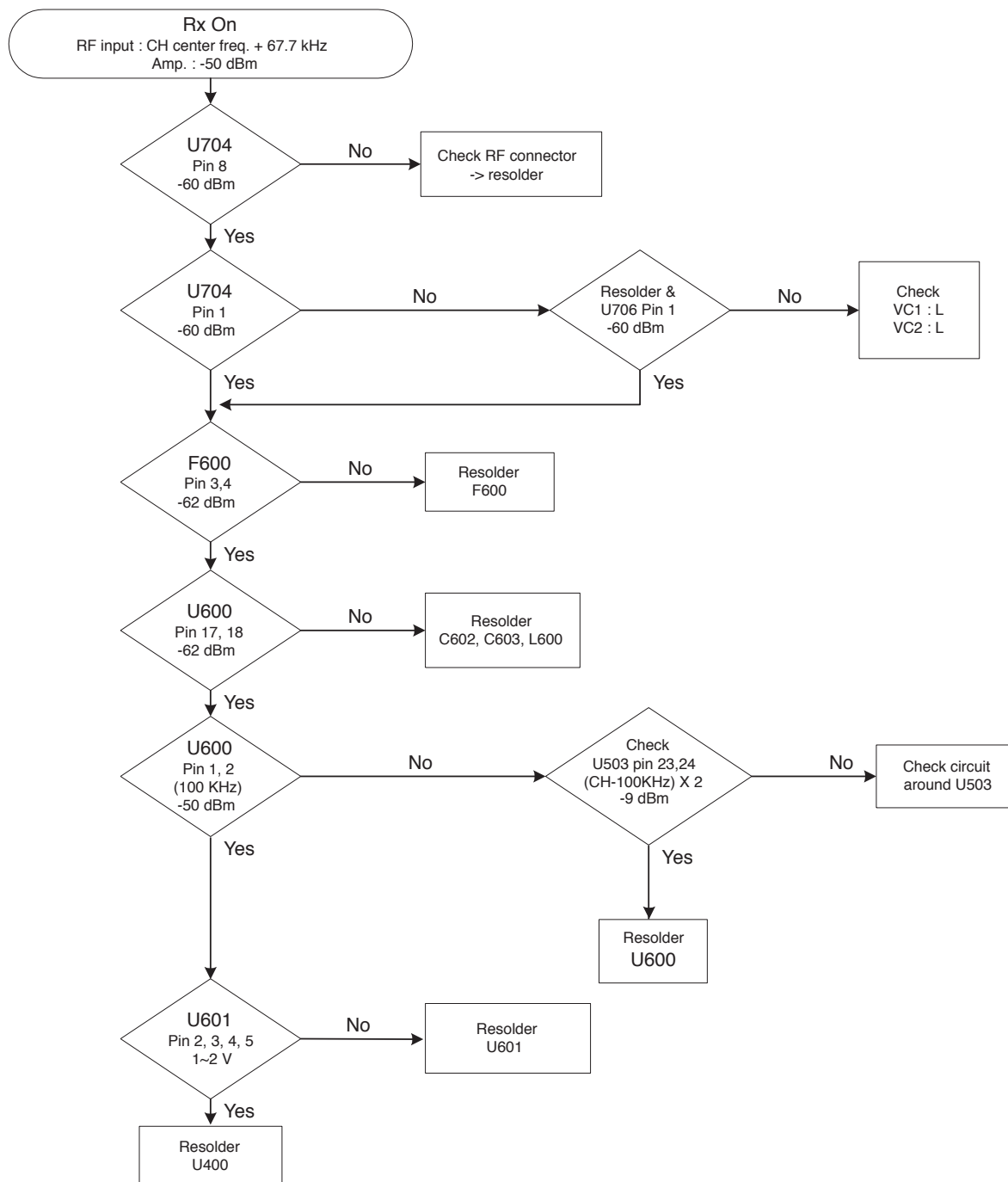
5-12 GSM Receiver



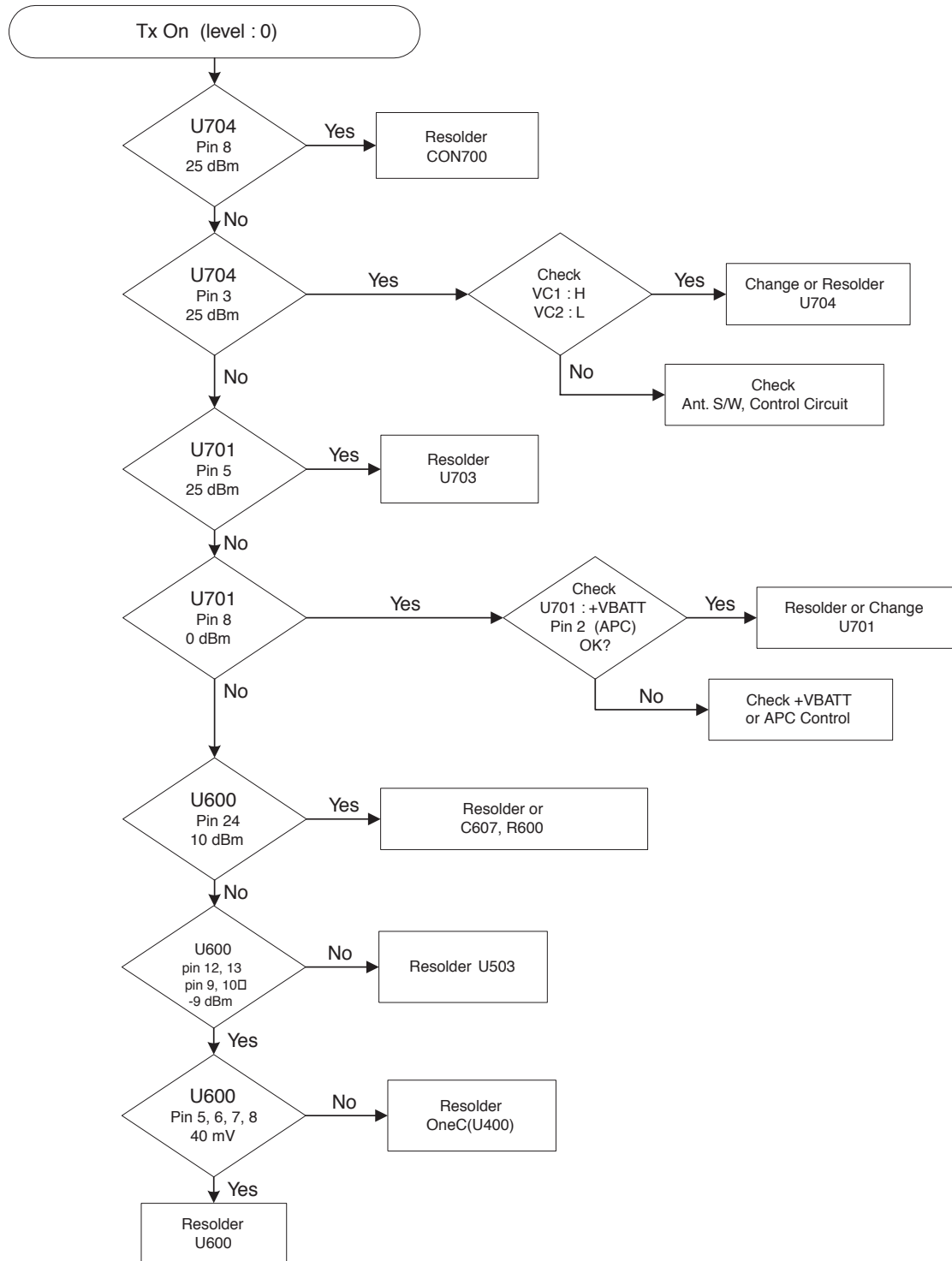
5-13 GSM Transmit

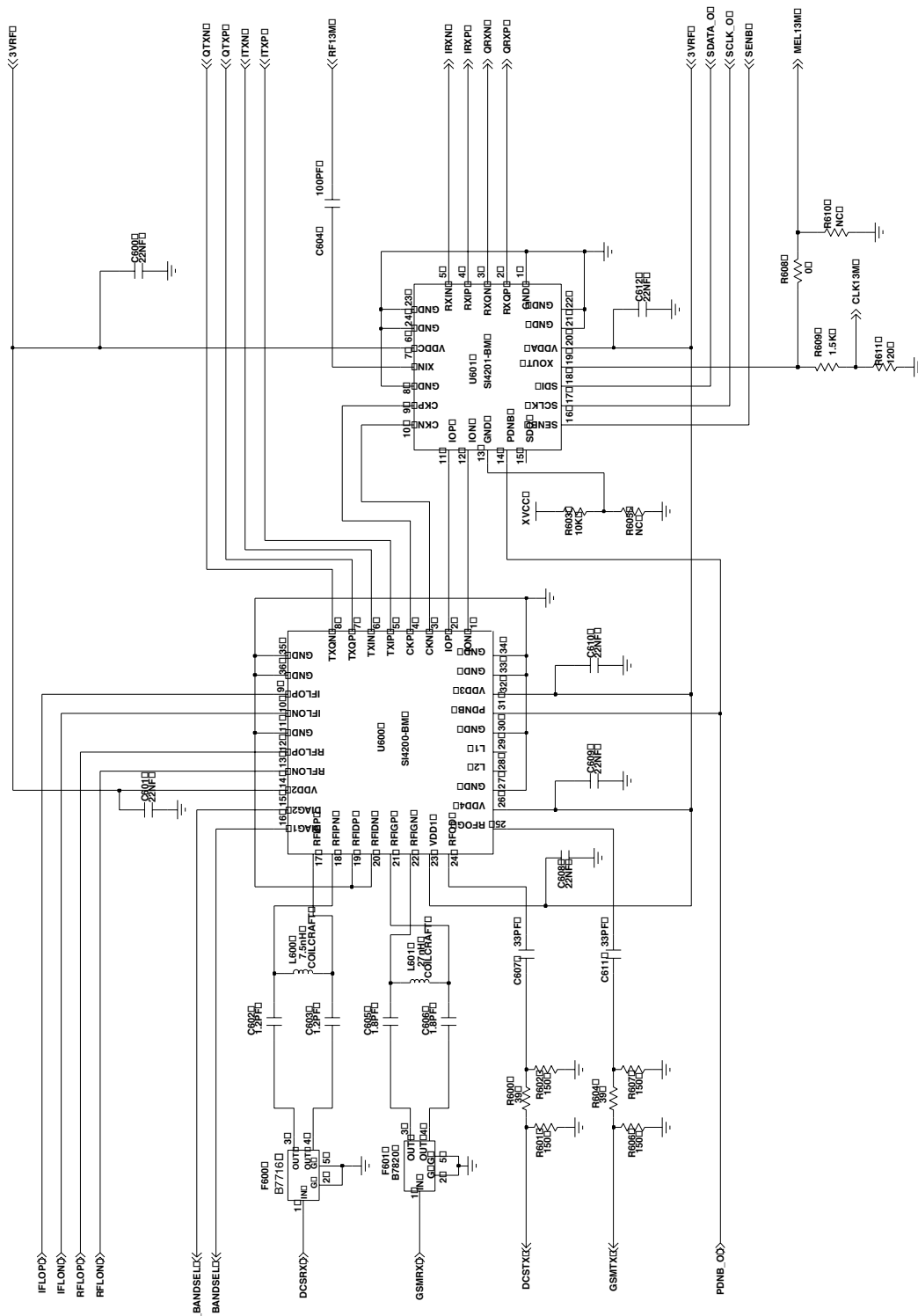


5-14 DCS Receiver



5-15 DCS Transmit







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