

11. Disassembly and Assembly Instructions

11-1. Disassembly

1

- 1) Take out Battery cover and Battery in Handset



2

- 1) Unscrew below 6 points
- 2) Separate from Upside

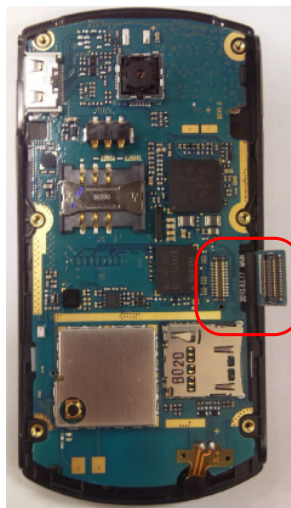


- 1) Beware of scratch and damage in the mechanical component

- 1) Beware of scratch and damage in the mechanical component
- 2) Caution not to damage REAR part while separate part

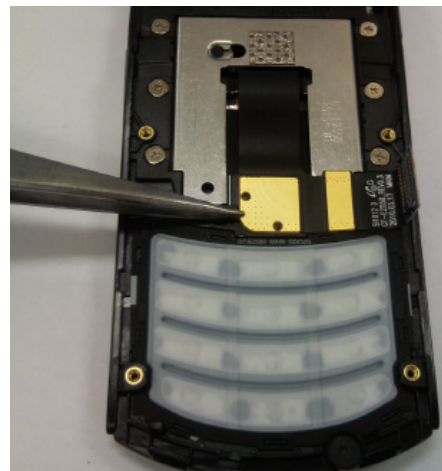
3

- 1) Detach LCD CONNECTOR from PBA
- 2) PBA is taken from Front Ass'y



4

- 1) With the Tweezers, Slice FPCB take off from FRONT Ass'y.

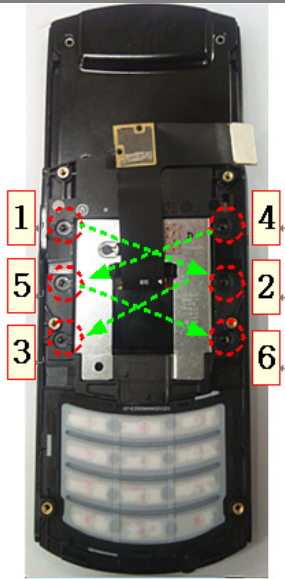


- 1) Not to damage of SLIDE FPCB

- 1) Beware of damage in the mechanical component
- 2) Caution not to damage REAR part while separate part

5

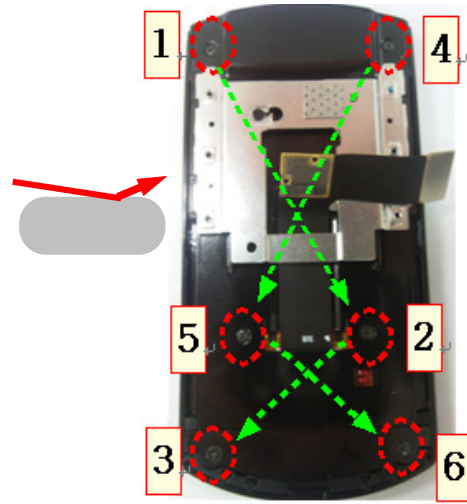
1) Unscrew below 6 points



- 1) Beware of scratch and damage in the mechanical component.
- 2) Caution not to damage LOWER part and FPCB while separate part

6

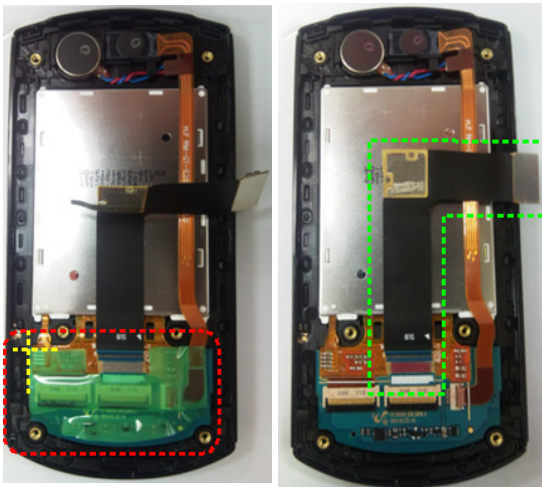
1) Unscrew below 6 points
3) Separate LOWER after hinge slide down



- 1) Beware of scratch and damage in the mechanical component.
- 2) Caution not to damage LOWER part and FPCB while separate part

7

1) Remove the tape attached on SUBPBA Ass'y.
2) Take off Silde FPCB



- 1) The tape is removed with circular tweezers
- 2) Beware of scratch and damage of FPCB.

8

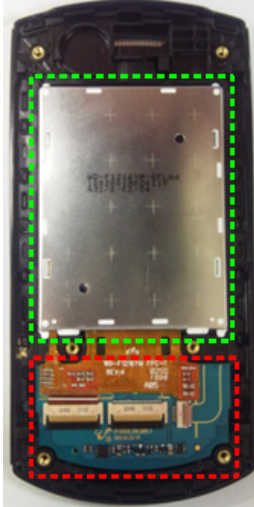
1) Take off MOTTOR/Receiver FPCB.



- 1) The tape is removed with circular tweezers
- 2) Beware of scratch and damage of FPCB.

9

1) Take away LCD in SUB PBA Ass'y with caution.



1) Beware of scratch and damage of FPCB and Connector.

10

1) Separate LCD and SUB PBA from UPPER



1) Beware of scratch and damage in mechanical component.

11-2 Assembly

1

- 1) SUB Keypad is placed in Slide Upper
- 2) LCD FPCB is inserted in SUB PBA.



- 1) Beware of scratch and damage of FPCB and Connector.
- 2) Caution not to damage LCD and Sub PCB.

2

- 1) Slide Upper에 LCD+Sub PBA 을 안착시킨다.



- 1) **Caution not to damage components in Sub PBA while assembled.**
- 2) Beware of scratch and damage of mechanical parts.
- 3) Attached LCD in Upper on right place with caution.

3

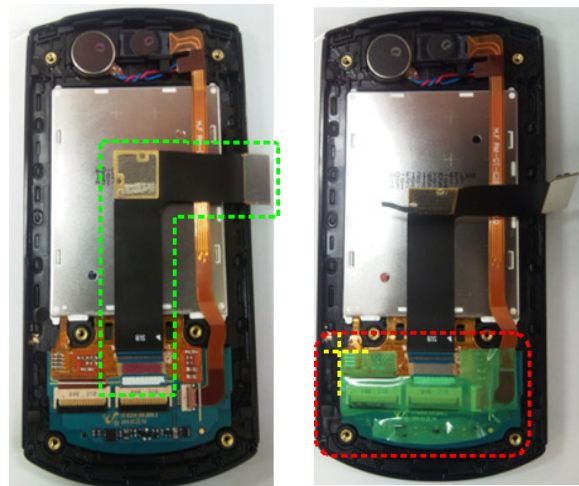
- 1) Insert Motor/Receiver FPCB on connector .
- 2) Placed Motor/Receiver in Upper.



- 1) Beware of scratch and damage of mechanical parts.
- 2) Caution not to damage FPCB.

4

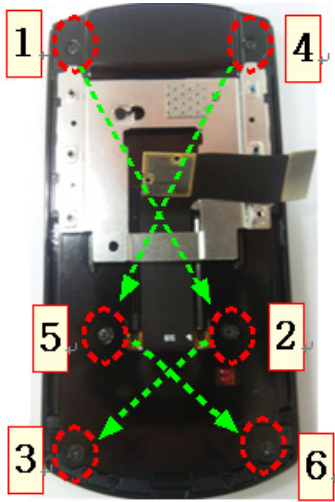
- 1) Put Main FPCB into Sub PBA.
- 2) Attach the tape on Sub PBA.



- 1) Beware of scratch and damage of mechanical parts.
- 2) Caution not to damage FPCB.

7

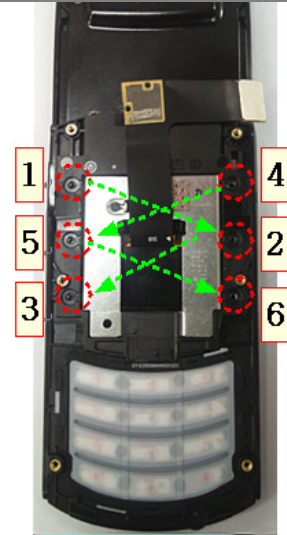
- 1) After HINGE PLATE slide down, FPCB goes through in Lower Assembling.
- 2) After HINGE PLATE slide up and screw below 6 Points



- 1) FPCB isn't damage while FPCB go through HINGE.
- 2) Beware that mechanical part is not damage while screw.

8

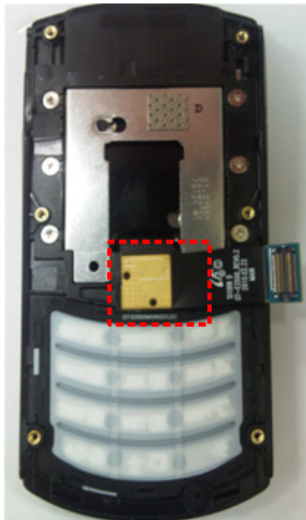
- 1) When SLIDE HINGE UP, FRONT is placed on.
- 2) After SLIDE HINGE down, screw below 6 points.



- 1) Beware of scratch and damage of mechanical parts.
- 2) Caution not to damage FPCB.

7

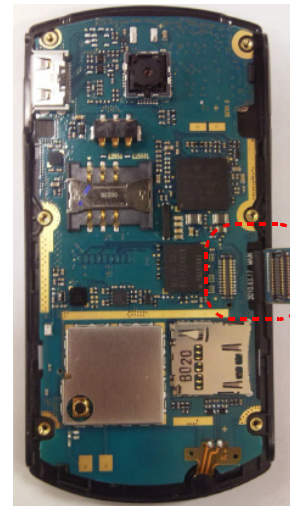
- 1) SLIDE FPCB is fixed in FRONT.



- 1) FPCB is attached right place.

8

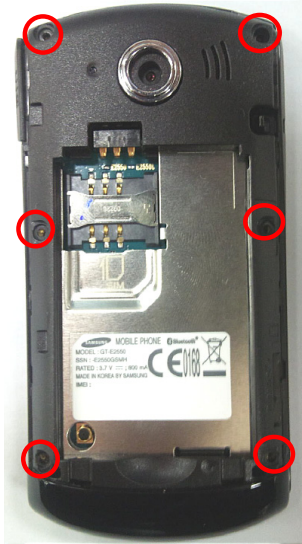
- 1) PBA is placed on FRONT ASS'Y.
- 2) Slide FPCB Connector hook up with PBA.



- 1) Make sure SLIDE FPCB is inserted right.

9

- 1) Put REAR case.
- 2) SCREW 6 Points.



10

- 1) Check exterior view and function test.



- 1) Beware of scratch and damage of mechanical parts.

- 1) Check its exterior view.



Notice

Product	GSM	Notice No.	10-62
Model	GT-E2550	Notice Date	7 th Sep '10
Subject	E2550 Second Edition		

1. Purpose

- To inform All ASCs and Contact Centers of information about technical TIP

2. Reason

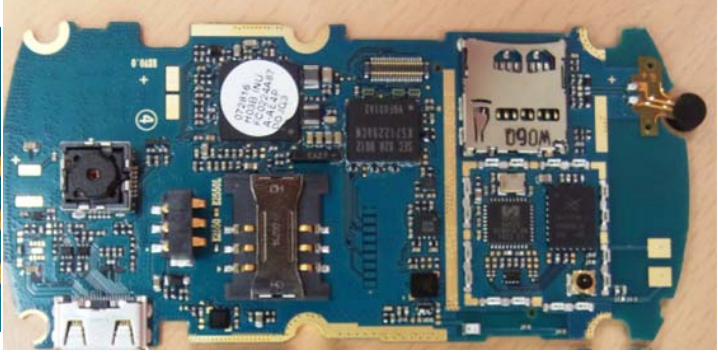
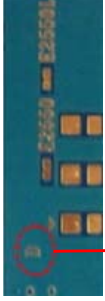
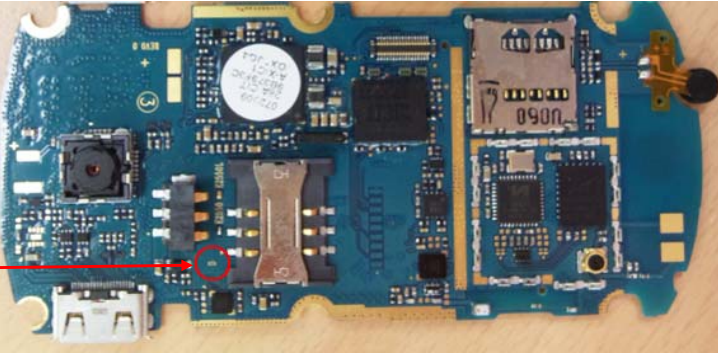
- Difference between E2550 and E2550D in S/W and H/W

3. Compatibility

1) S/W

Model	E2550	E2550D
Main S/W	E2550Xxxx	E2550DXXxxx
Downloader	GE2550_DEFAULT_MDL_Vxxx.exe	
INI FILE	E2550_Common(CSC)_10xxxx_1.ini	E2550D_Common(CSC)_10xxxx_1.ini
IMEI PGM	GE2550_DEFAULT_IMEI_Vxxx.EXE	GE2550D_DEFAULT_IMEI_Vxxx.EXE
CAL PGM	GT-E2550_CAL_vxxx.EXE	

2) H/W

Model	E2550D	
PBA (Parts Code)	Parts Code : GH92-07180A Nothing Marked near Sim Socket  	Parts Code : GH92-07619A “D” Marked near Sim Socket  

3) Etc

- IMEI Label, Manual, and Unit Box are same (Model Name : GT-E2550)

6. MAIN Electrical Parts List

6-1. Main

SEC CODE	Design LOC	Description
0401-001141	D100	1SS400G
0403-001688	ZD200	USFZ5.6V-RTK/H
0403-001832	ZD307	BZX884-C5V6
0406-001201	ZD304	uClamp0501H
0406-001201	ZD306	uClamp0501H
0406-001281	ZD300	ESDALC6V1-1M2
0406-001281	ZD301	ESDALC6V1-1M2
0406-001281	ZD302	ESDALC6V1-1M2
0406-001281	ZD303	ESDALC6V1-1M2
0406-001286	U305	PESD5V0L5UV
0406-001286	ZD305	PESD5V0L5UV
0601-002846	LED300	19-217UTD/S759/TR8
0601-002846	LED301	19-217UTD/S759/TR8
0601-002846	LED302	19-217UTD/S759/TR8
0601-002846	LED303	19-217UTD/S759/TR8
1001-001508	U300	NLAS5213A
1009-001050	U200	S-5711ACDL-I4T1G
1108-000343	UME100	K571229ACM-BQ12
1201-002675	U306	G1442RD1U
1201-003025	PAM100	SKY77547
1203-005907	U201	MIC5365-1.5YMT
1204-003022	U102	TEA5996UK
1205-003517	U101	BC63B239A04-IYB-E4S
1205-003682	U100	QS520-0RFI
1205-003934	UCP200	PNX6608
1404-001221	VR200	NCP15WB473J04RC
2007-000138	R333	RC1005J101CS
2007-000140	R222	RC1005J102CS
2007-000141	R207	RC1005J222CS
2007-000143	R209	RC1005J472CS
2007-000146	R335	RC1005J682CS
2007-000146	R336	RC1005J682CS
2007-000148	R201	RC1005J103CS
2007-000148	R206	RC1005J103CS
2007-000148	R225	RC1005J103CS
2007-000148	R300	RC1005J103CS

SEC CODE	Design LOC	Description
2007-000148	R319	RC1005J103CS
2007-000149	R214	RC1005J123CS
2007-000152	R202	RC1005J203CS
2007-000155	R328	RC1005J273CS
2007-000159	R210	RC1005J563CS
2007-000159	R211	RC1005J563CS
2007-000159	R212	RC1005J563CS
2007-000159	R213	RC1005J563CS
2007-000162	R101	RC1005J104CS
2007-000162	R102	RC1005J104CS
2007-000162	R106	RC1005J104CS
2007-000162	R108	RC1005J104CS
2007-000162	R219	RC1005J104CS
2007-000166	R208	RC1005J304CS
2007-000168	R334	RC1005J474CS
2007-000168	R337	RC1005J474CS
2007-000169	R301	RC1005J104CS
2007-000170	R320	RC1005J105CS
2007-000172	R307	RC1005J100CS
2007-000172	R310	RC1005J100CS
2007-000172	R314	RC1005J100CS
2007-000172	R316	RC1005J100CS
2007-000242	R304	RC1005J152CS
2007-000242	R305	RC1005J152CS
2007-000242	R315	RC1005J152CS
2007-000242	R329	RC1005J152CS
2007-001292	R324	RC1005J330CS
2007-001292	R325	RC1005J330CS
2007-001292	R326	RC1005J330CS
2007-001292	R327	RC1005J330CS
2007-001292	R344	RC1005J330CS
2007-001292	R345	RC1005J330CS
2007-001319	R217	RC1005J122CS
2007-001319	R218	RC1005J122CS
2007-001319	R220	RC1005J122CS
2007-001319	R221	RC1005J122CS
2007-001333	R203	MCR01MZP5J183

SEC CODE	Design LOC	Description
2007-001333	R226	MCR01MZP5J183
2007-001333	R302	MCR01MZP5J183
2007-001333	R321	MCR01MZP5J183
2007-001333	R331	MCR01MZP5J183
2007-001333	R343	MCR01MZP5J183
2007-002796	R308	MCR01MZP5J511
2007-002796	R309	MCR01MZP5J511
2007-003015	R104	MCR01MZP5J2R2
2007-003112	R105	MCR01MZP5J270
2007-007132	R223	RC1005F153CS
2007-007573	R215	RK73H1ETP3303F
2007-007589	R204	RK73H1ETP6802F
2007-008354	R205	ERJ2RKF224X
2007-008354	R216	ERJ2RKF224X
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2203-000233	C235	GRP1555C1H101J
2203-000233	C344	GRP1555C1H101J
2203-000254	C145	GRP155R71C103K
2203-000278	C300	GRP1555C1H100D
2203-000311	C340	GRP1555C1H121JD01E
2203-000330	C244	GRP1555C1H120J
2203-000386	C132	GRP1555C1H150J
2203-000386	C241	GRP1555C1H150J
2203-000386	C242	GRP1555C1H150J
2203-000425	C108	GRP1555C1H180J
2203-000425	C111	GRP1555C1H180J
2203-000438	C133	GRP155R71H102K
2203-000585	C302	GRP155R71H221KD01E
2203-000585	C308	GRP155R71H221KD01E
2203-000627	C134	GRM1555C1H220J
2203-000679	C212	GRP1555C1H270J
2203-000696	C105	GRP1555C1H2R0C
2203-000696	C109	GRP1555C1H2R0C
2203-000812	C236	GRP1555C1H330J
2203-000812	C301	GRP1555C1H330J
2203-000812	C306	GRP1555C1H330J
2203-000812	C317	GRP1555C1H330J

SEC CODE	Design LOC	Description
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2203-000854	C238	GRP1555C1H390J
2203-000995	C103	GRP1555C1H470J
2203-000995	C304	GRP1555C1H470J
2203-000995	C345	GRP1555C1H470J
2203-001239	C342	GRP1555C1H820JD01E
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2203-002677	C143	CL05CR75BBNC
2203-002709	C248	C1005Y5V1C104ZT
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2203-003054	C321	GRP1555C1H9R0C
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2203-005052	C152	GRP1555C1H3R3CZ01E
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2203-005057	C325	GRP1555C1H8R2CZ01E
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2203-005281	C125	GRP1555C1H1R5BZ01E
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2203-005395	C128	C1005CG1H4R7BT
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2203-006048	C148	GRM155R71A104K
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2203-006048	C305	GRM155R71A104K
2203-006048	C314	GRM155R71A104K
2203-006048	C320	GRM155R71A104K
2203-006137	C127	CL05B223KONC
2203-006137	C131	CL05B223KONC
2203-006208	C136	CM105X5R475M06AT
2203-006257	C221	GRM155R60J474KE19E
2203-006257	C222	GRM155R60J474KE19E
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2203-006257	C226	GRM155R60J474KE19E
2203-006257	C228	GRM155R60J474KE19E
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2203-006260	C307	GRM155R61A224KE19E
2203-006324	C201	GRM188R61A225KE19D
2203-006348	C200	CV105X5R105K25AT
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2203-006399	C129	GRM155R60J105KE19D
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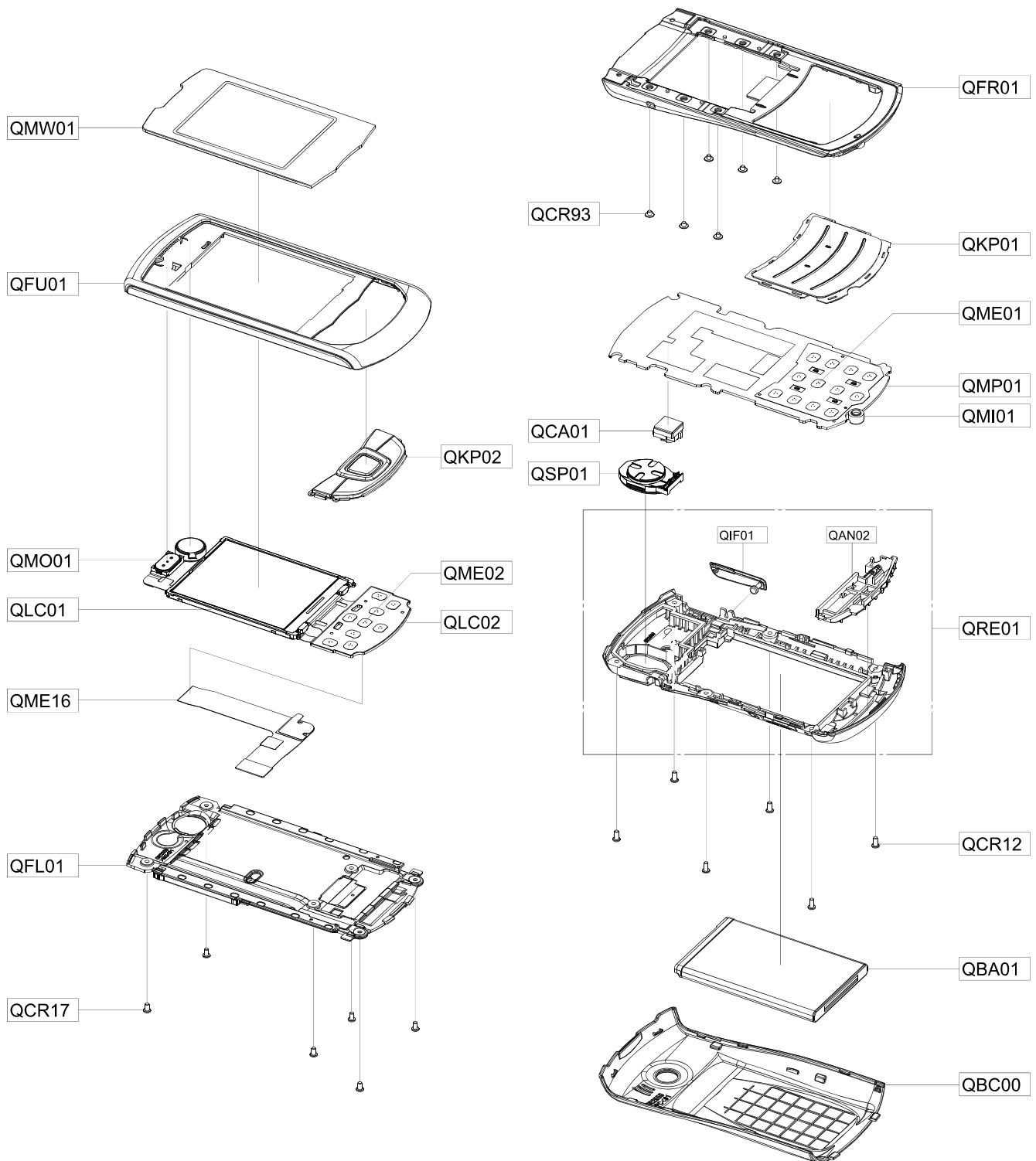
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2203-006399	C341	GRM155R60J105KE19D
2203-006474	C224	GRM21BR60J226ME
2203-006562	C233	CV05X5R105K10AH
2203-006562	C245	CV05X5R105K10AH
2203-006562	C253	CV05X5R105K10AH
2203-006562	C309	CV05X5R105K10AH
2203-006562	C339	CV05X5R105K10AH
2203-006824	C227	CV105X5R475K10AT
2203-006824	C239	CV105X5R475K10AT
2203-006825	C206	JMK107BJ106KA-T
2203-006872	C135	GRM155R60J225ME15D
2203-006872	C138	GRM155R60J225ME15D
2203-006890	C218	CV105X5R106M06AT
2203-006890	C237	CV105X5R106M06AT
2203-007270	C104	CL10A106KP8NNNC
2203-007279	C202	CV105X5R106M10AT
2203-007279	C203	CV105X5R106M10AT
2203-007279	C232	CV105X5R106M10AT
2203-007279	TA200	CV105X5R106M10AT
2203-007317	C225	CV05X5R475M06AH
2404-001377	TA300	F980J226MMA
2703-001613	C122	HK1005-18NK-T
2703-001613	L102	HK1005-18NK-T
2703-001708	L104	HK1005-5N6K-T
2703-001728	C116	HK1005-1N5S-T
2703-001728	C123	HK1005-1N5S-T
2703-002205	C100	CIH05T3N9KNC
2703-002267	L103	CIH05T4N7SNC
2703-002269	L100	CIH05T56NJNC
2703-002281	C106	CIH05T5N6SNC
2703-002281	L101	CIH05T5N6SNC
2703-003121	L106	MLG1005SR15J
2703-003297	L200	APIS08G4R7MT
2703-003476	L300	LQG15HSR27J02D

SEC CODE	Design LOC	Description
2703-003546	L201	CIG22L6R8MNE
2801-004787	OSC100	CXC6X260000GHVRN00
2801-004953	OSC200	Q13MC1462000400
2901-001408	F300	ICVE10054E250R201FR
2901-001408	F301	ICVE10054E250R201FR
2901-001408	F302	ICVE10054E250R201FR
2903-001424	F103	TBB-2012-245-C1E
2904-001633	F102	SFH881PQ101
2904-001635	F100	SFHG60MQ101
2904-001879	F101	SFR942PY002
3301-001756	L301	BLM15HG102SN1D
3301-001756	L302	BLM15HG102SN1D
3301-001762	R332	BLM15BD471SN1D
3301-001812	L202	BLM15HD102SN1
3301-001917	L306	BLM15BD182SN1
3301-001917	L307	BLM15BD182SN1
3301-001970	L308	BLM15BA330SN1
3705-001731	RFS100	KMS-560-002-BEF
3709-001447	SIM200	5000-6P-1.9S
3709-001575	CD200	SCHA4B0301
3710-003148	IFC300	HY20-AB0315
3710-003235	SOC300	3D1201087-ST31-7H
3711-006865	HDC301	AXT634124AW1
3711-007393	BTC200	KQ03SB2-3R
4202-001512	ANT101	LDA212G4410K-283
GH70-03349A	SC100	ONBOARD-CLIP-6
GH70-03349A	SC101	ONBOARD-CLIP-6
GH70-03349A	SC102	ONBOARD-CLIP-6
GH70-03349A	SC103	ONBOARD-CLIP-6
GH70-03349A	SC104	ONBOARD-CLIP-6
GH70-03349A	SC105	ONBOARD-CLIP-6
GH70-03349A	SC106	ONBOARD-CLIP-6
GH70-03349A	SC107	ONBOARD-CLIP-6

Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

5. Exploded View and Parts List

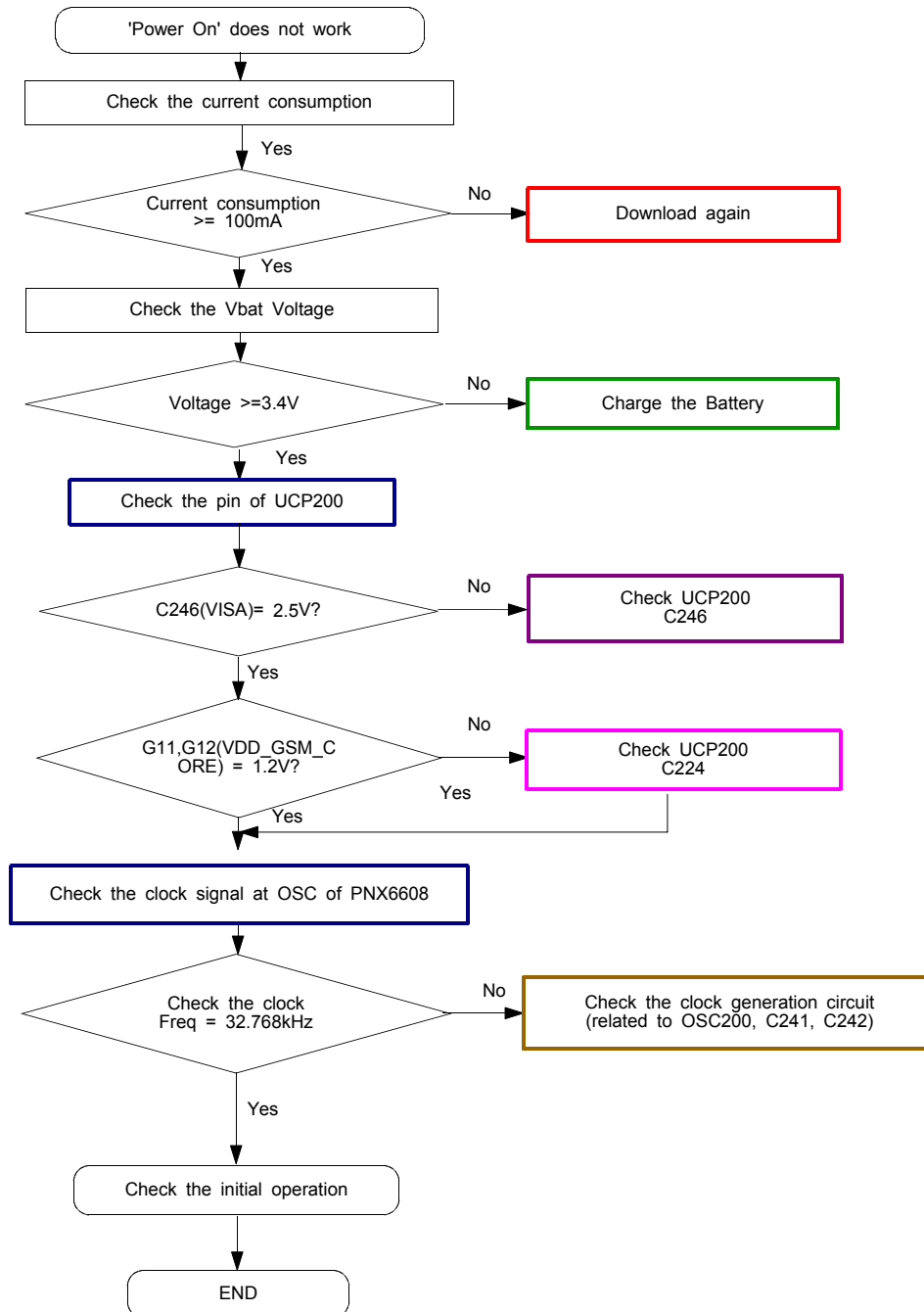
5-1. Cellular phone Exploded View



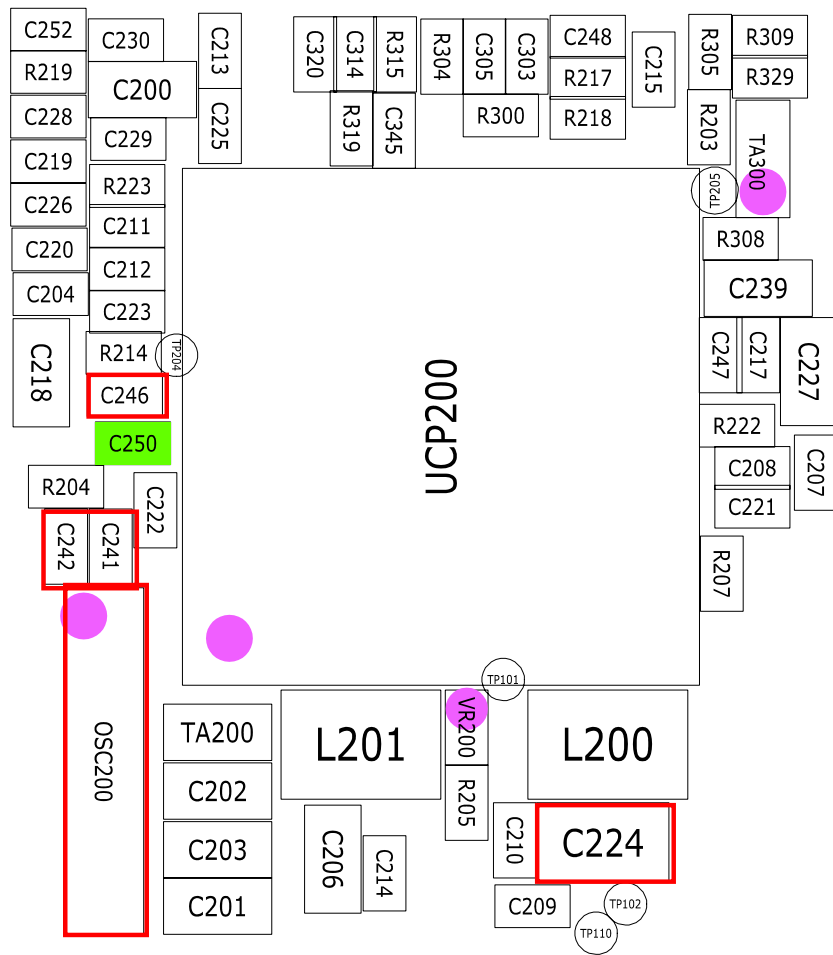
9. Flow Chart of Troubleshooting

9-1. Baseband

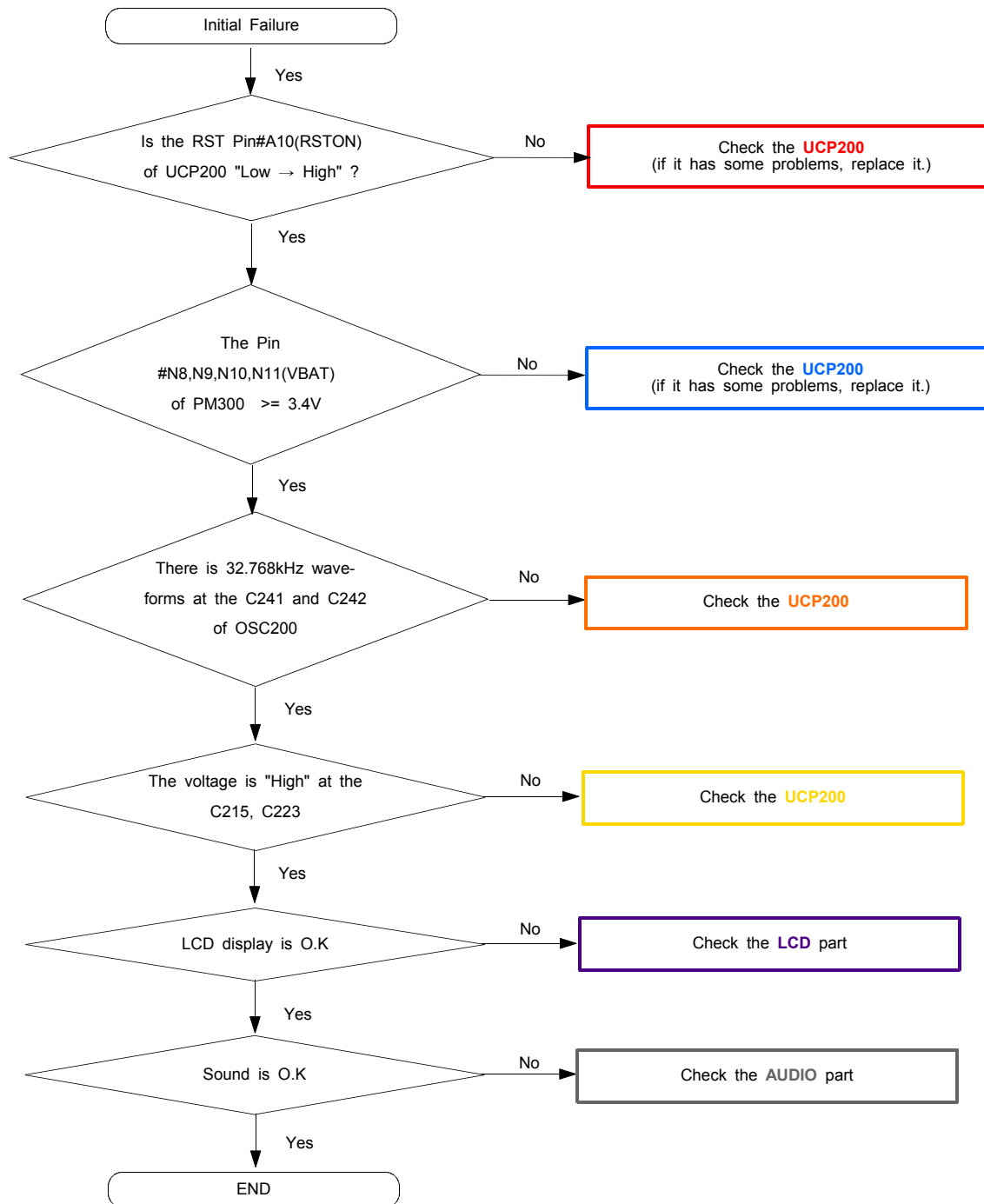
9-1-1. Power ON



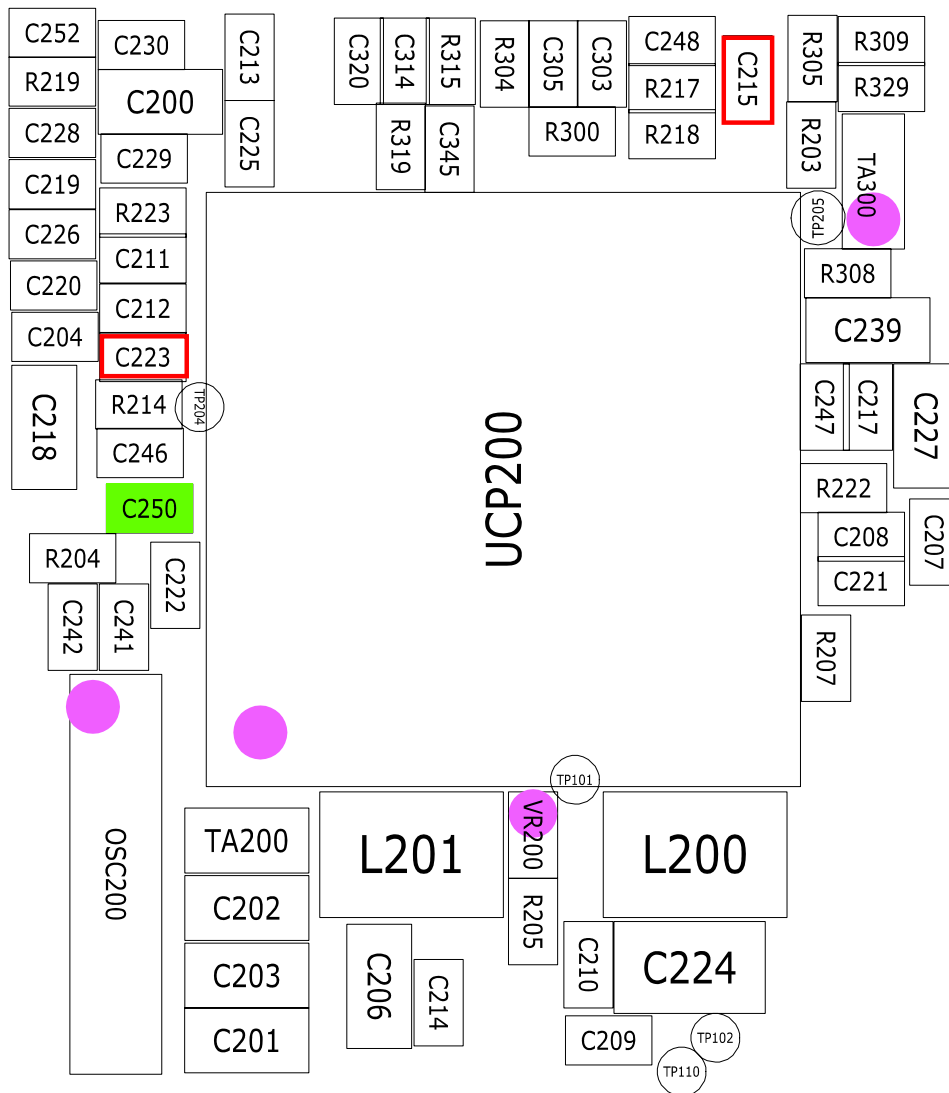




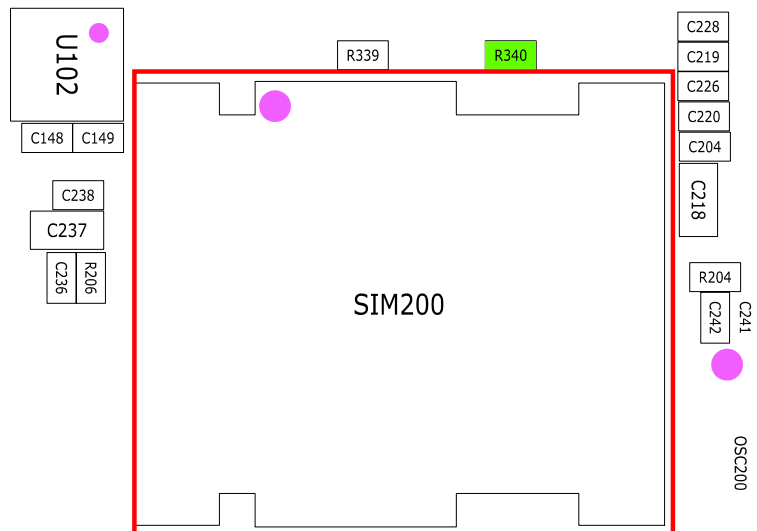
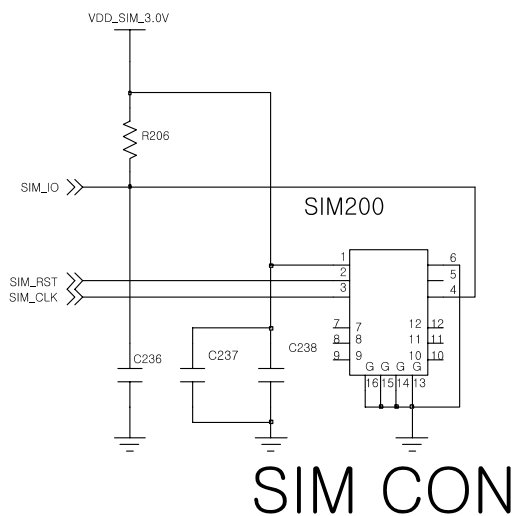
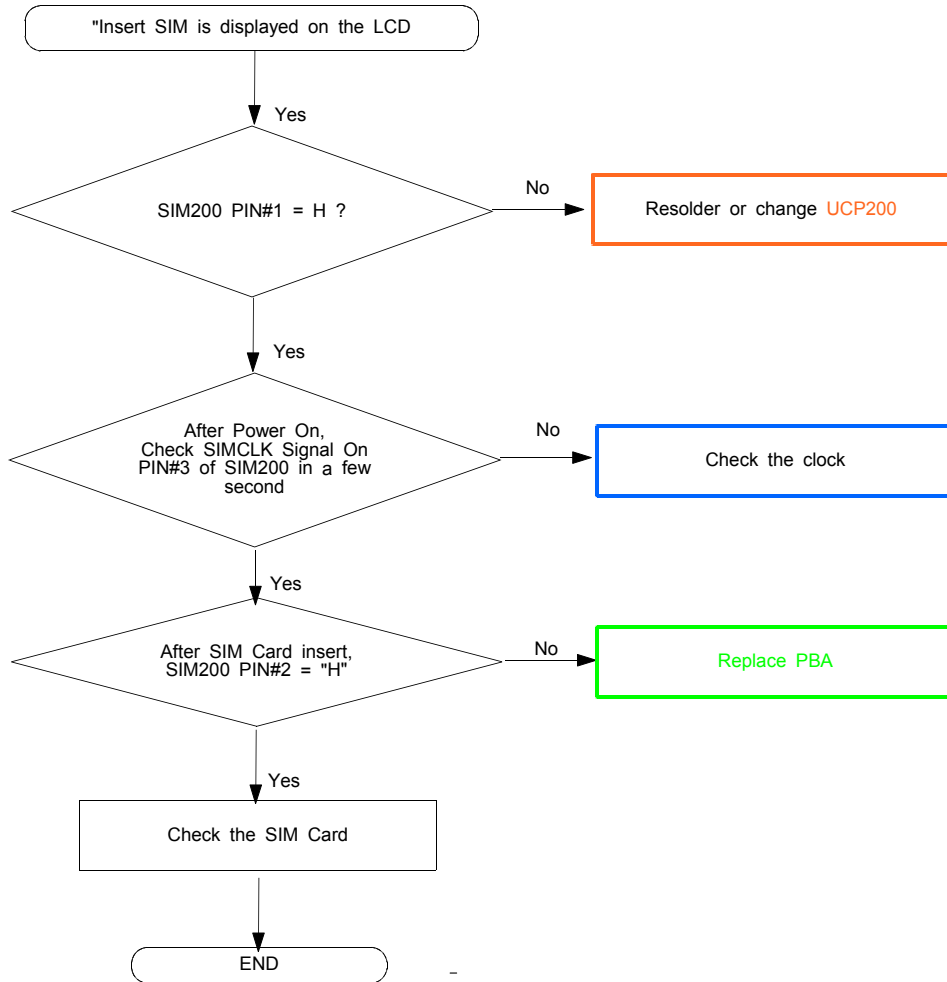
9-1-2. Initial



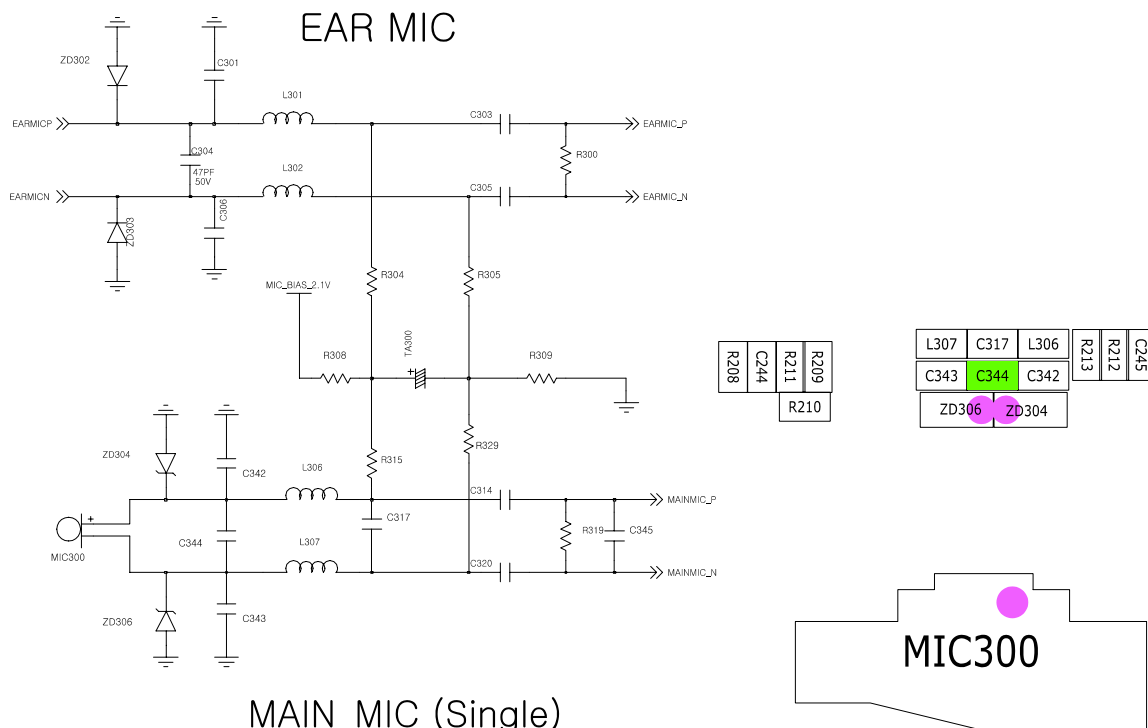
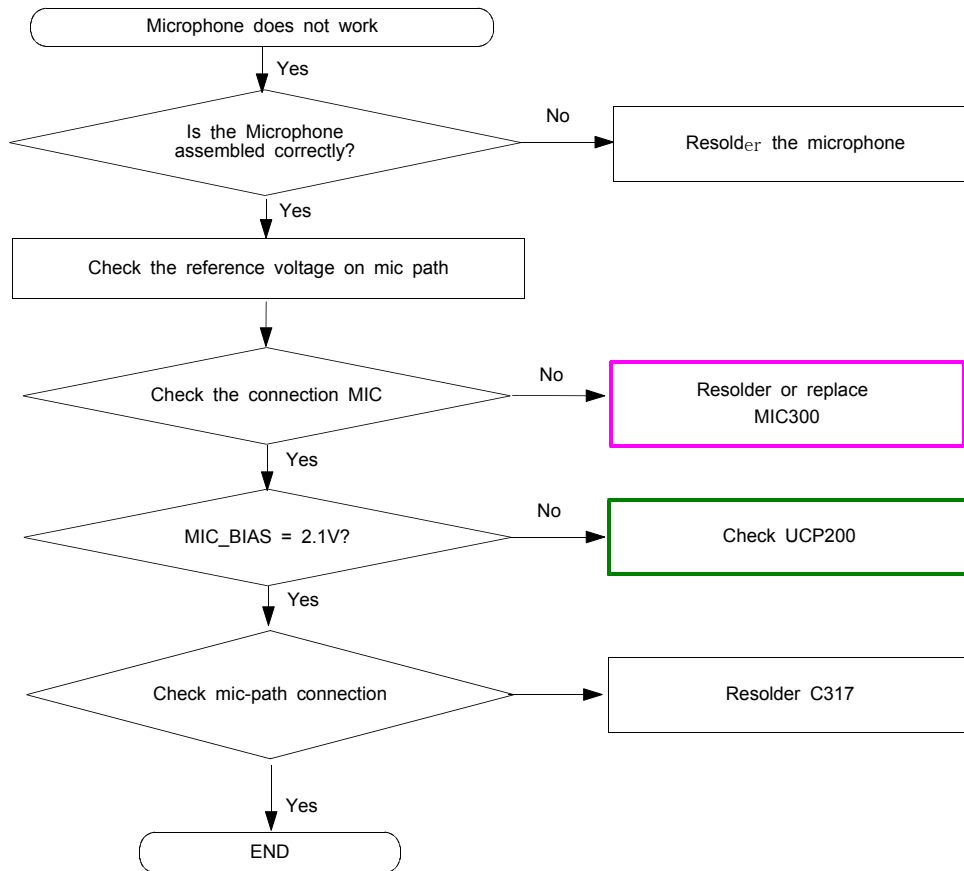




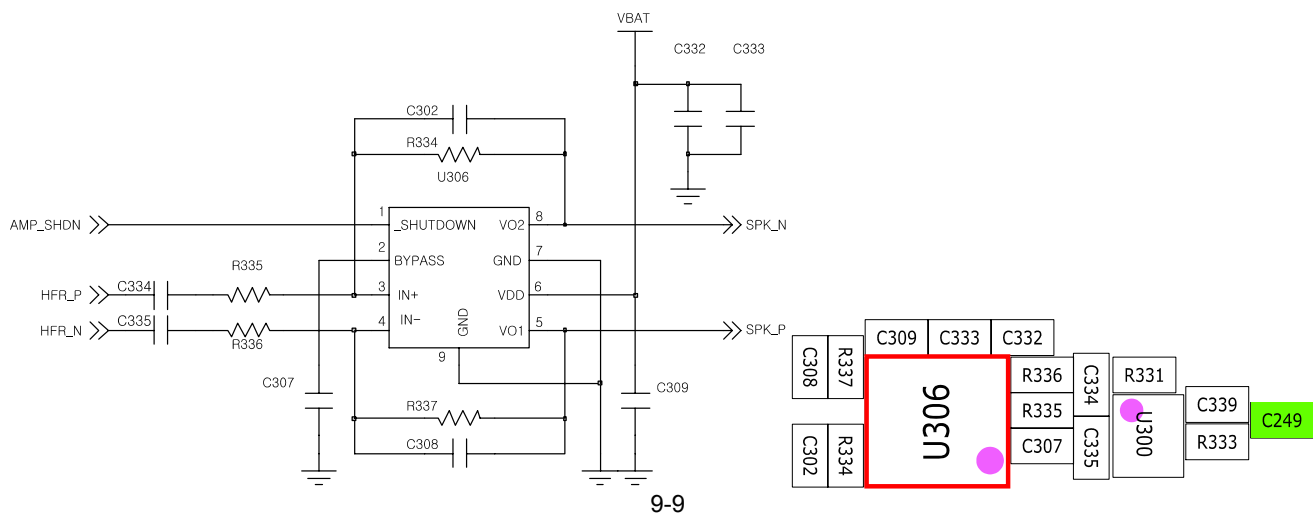
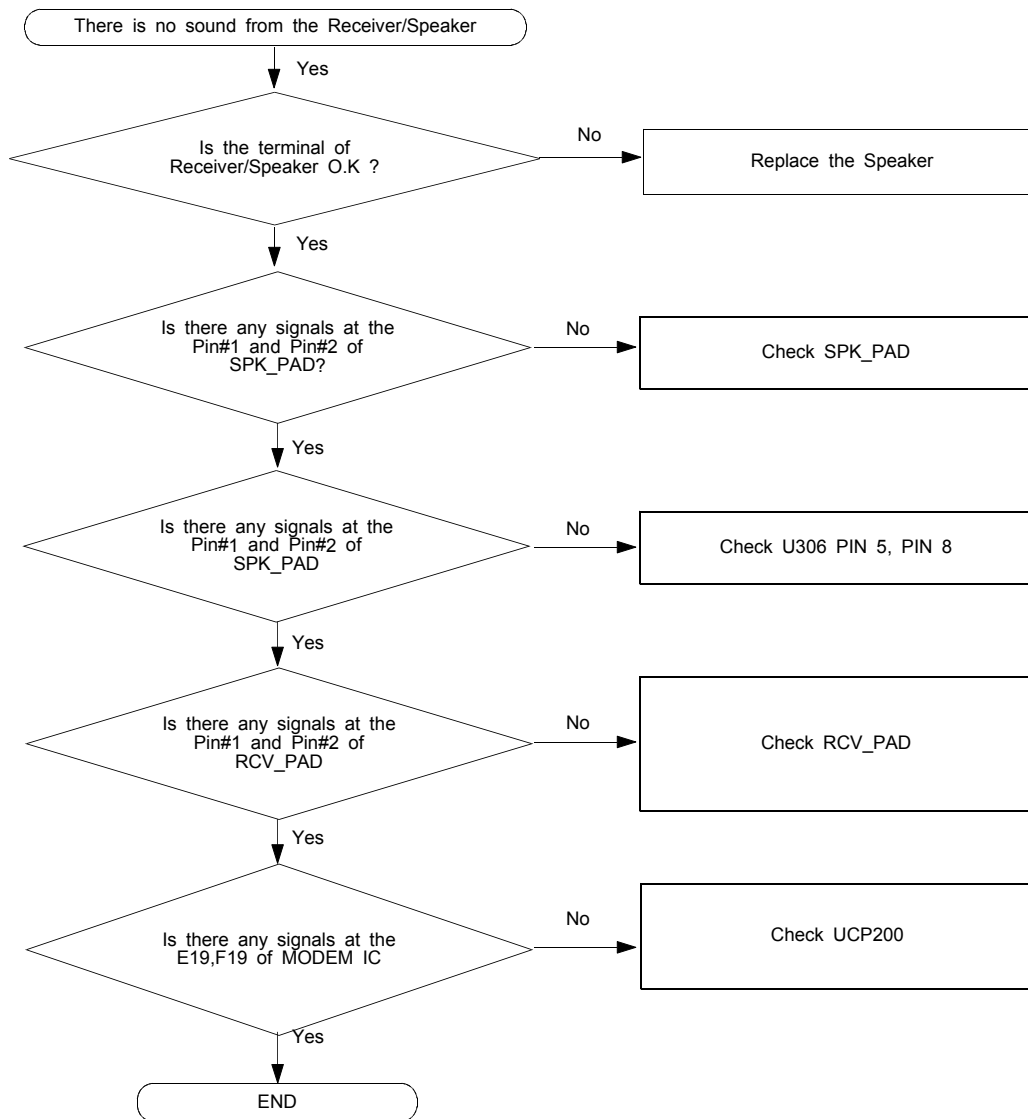
9-1-3. Sim Part

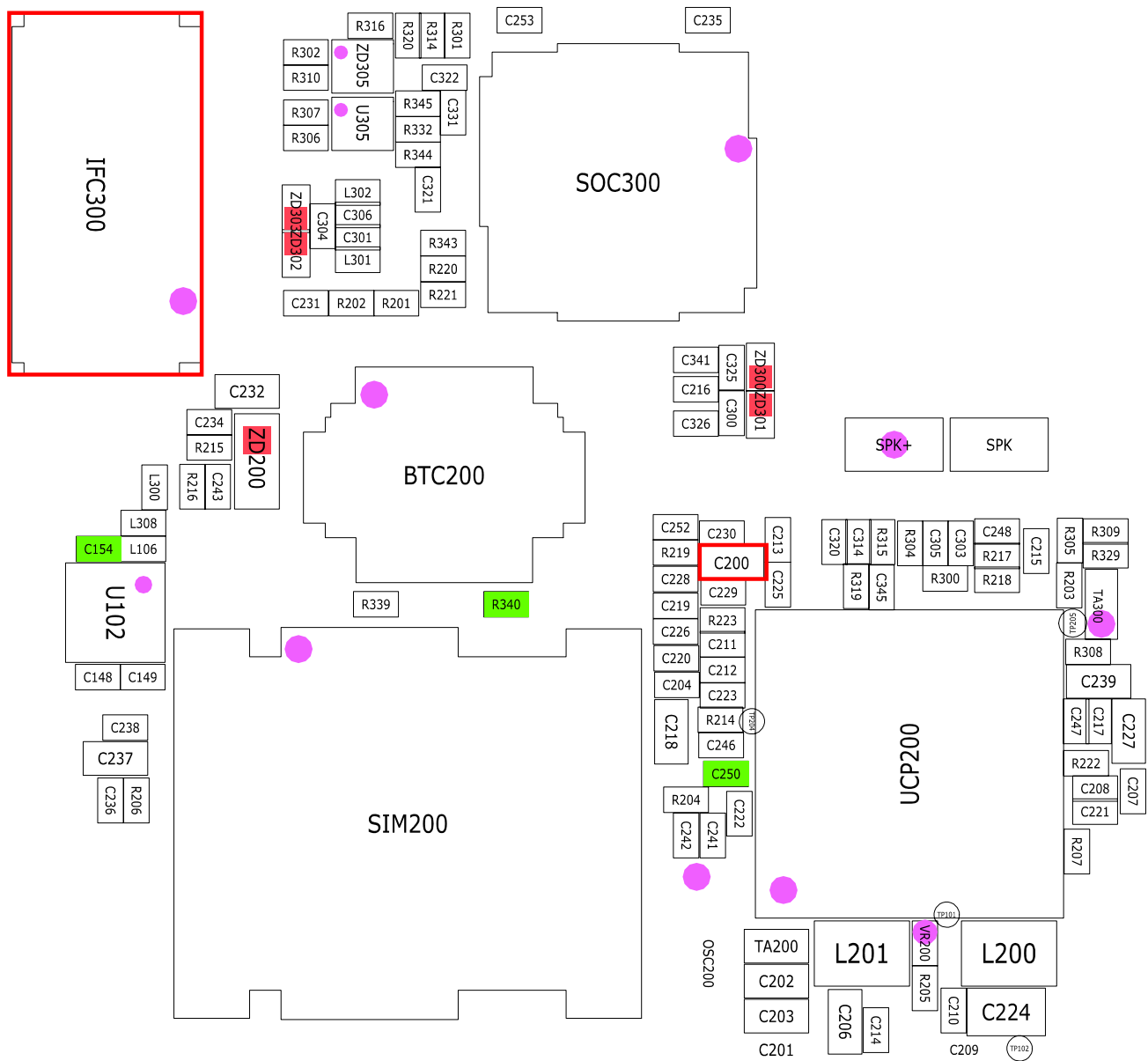


9-1-4. Microphone Part

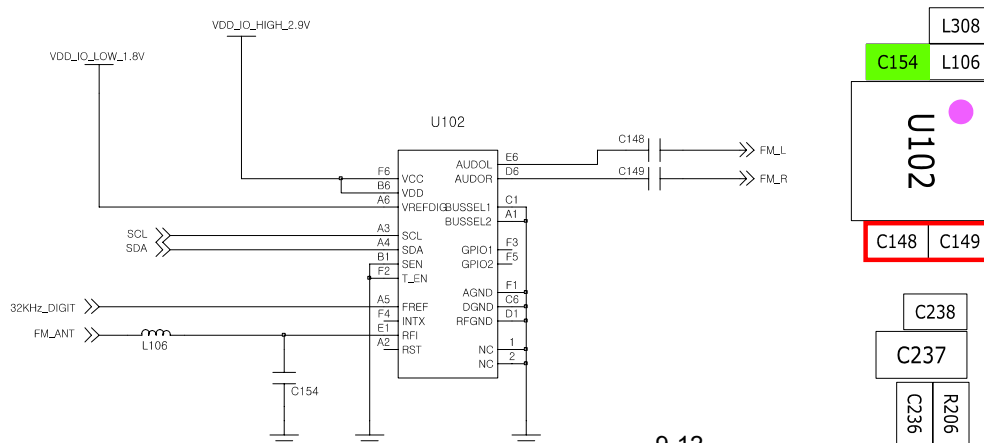
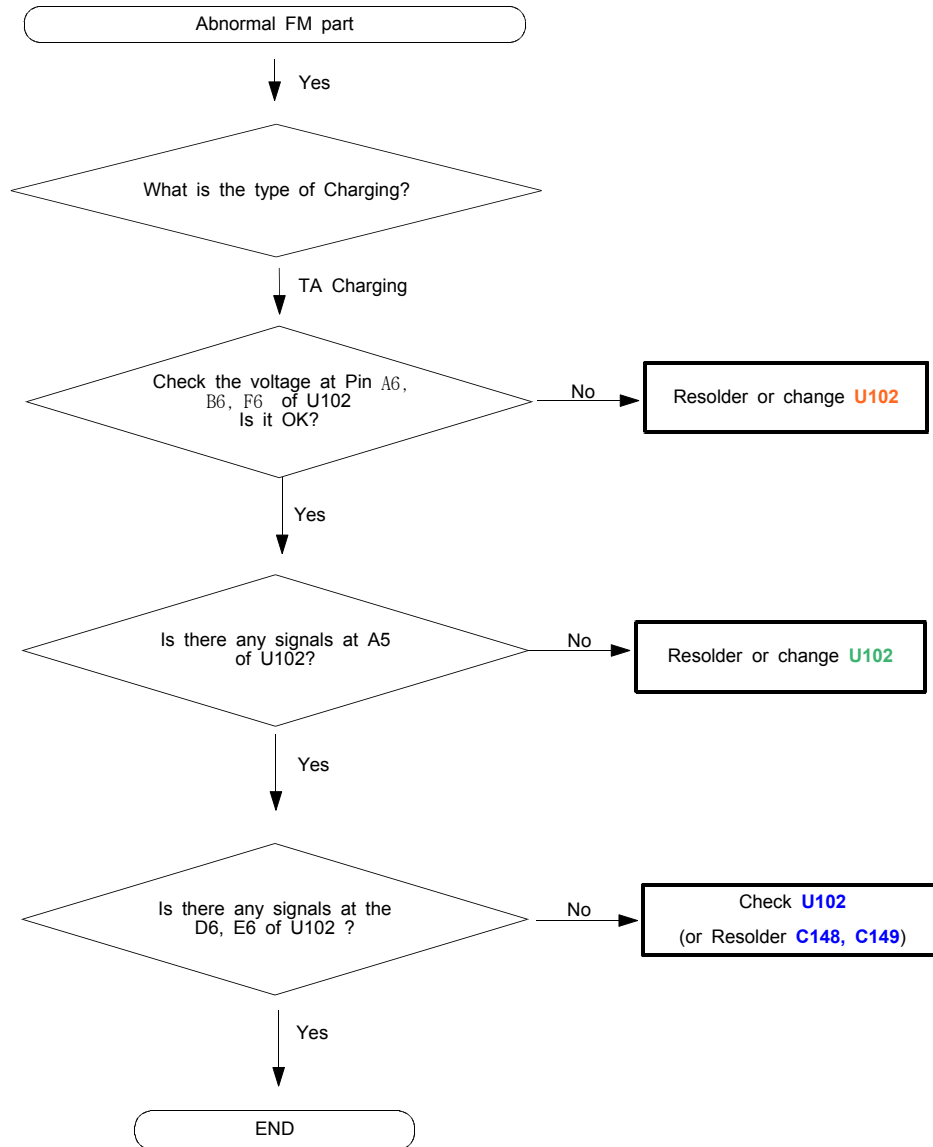


9-1-5. Receiver/Speaker Part



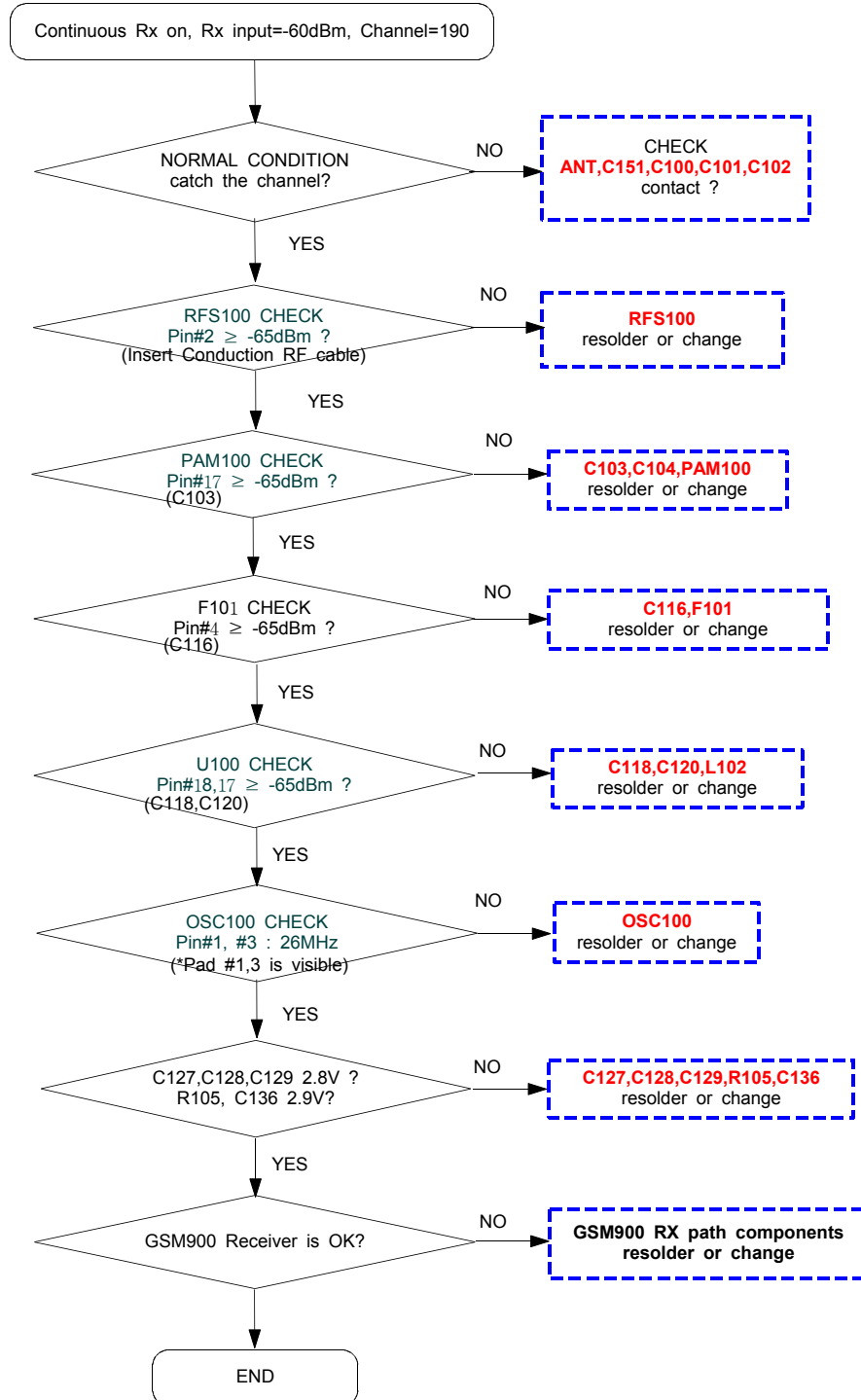


9-1-7. FM Receiver part

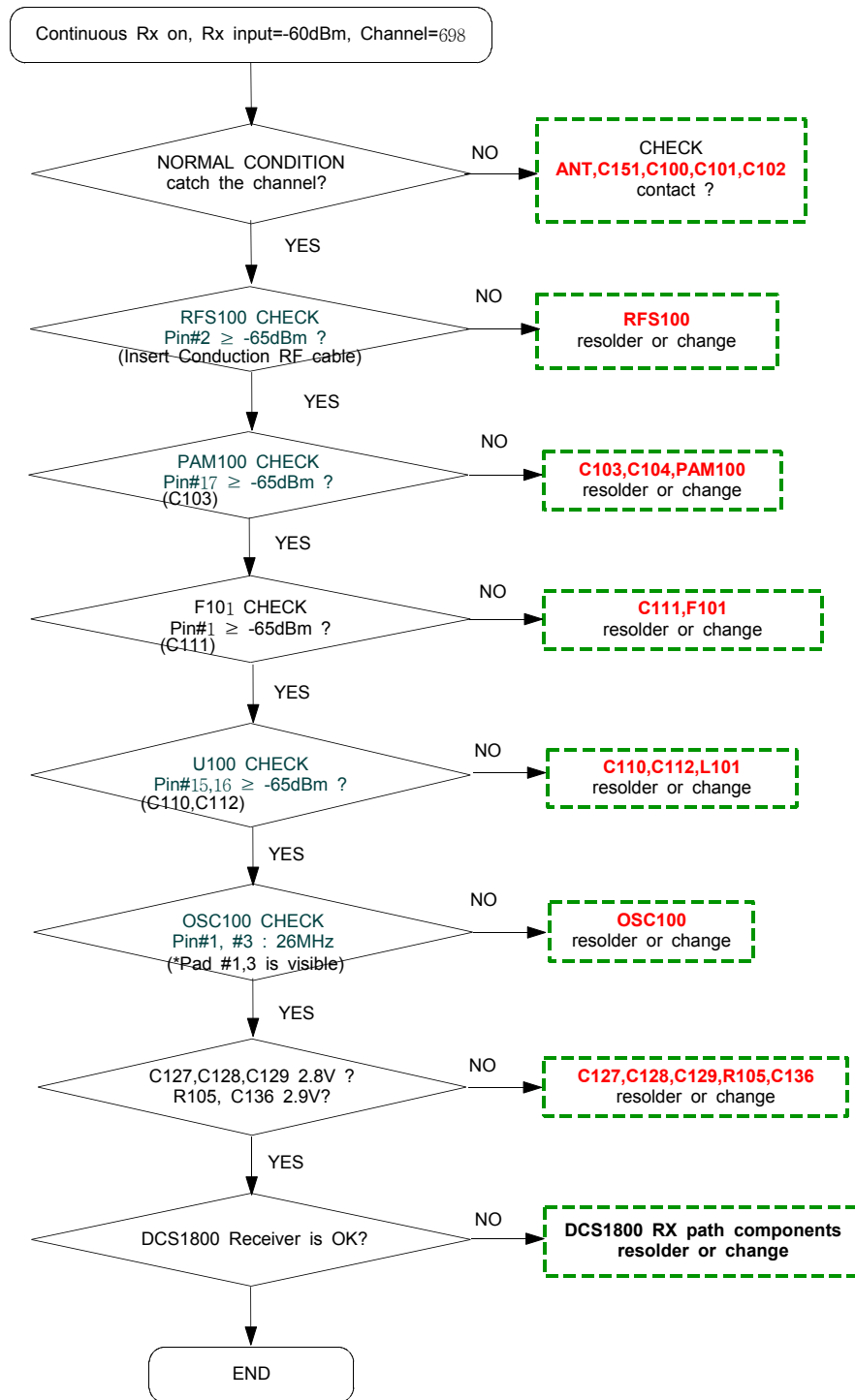


9-2. RF

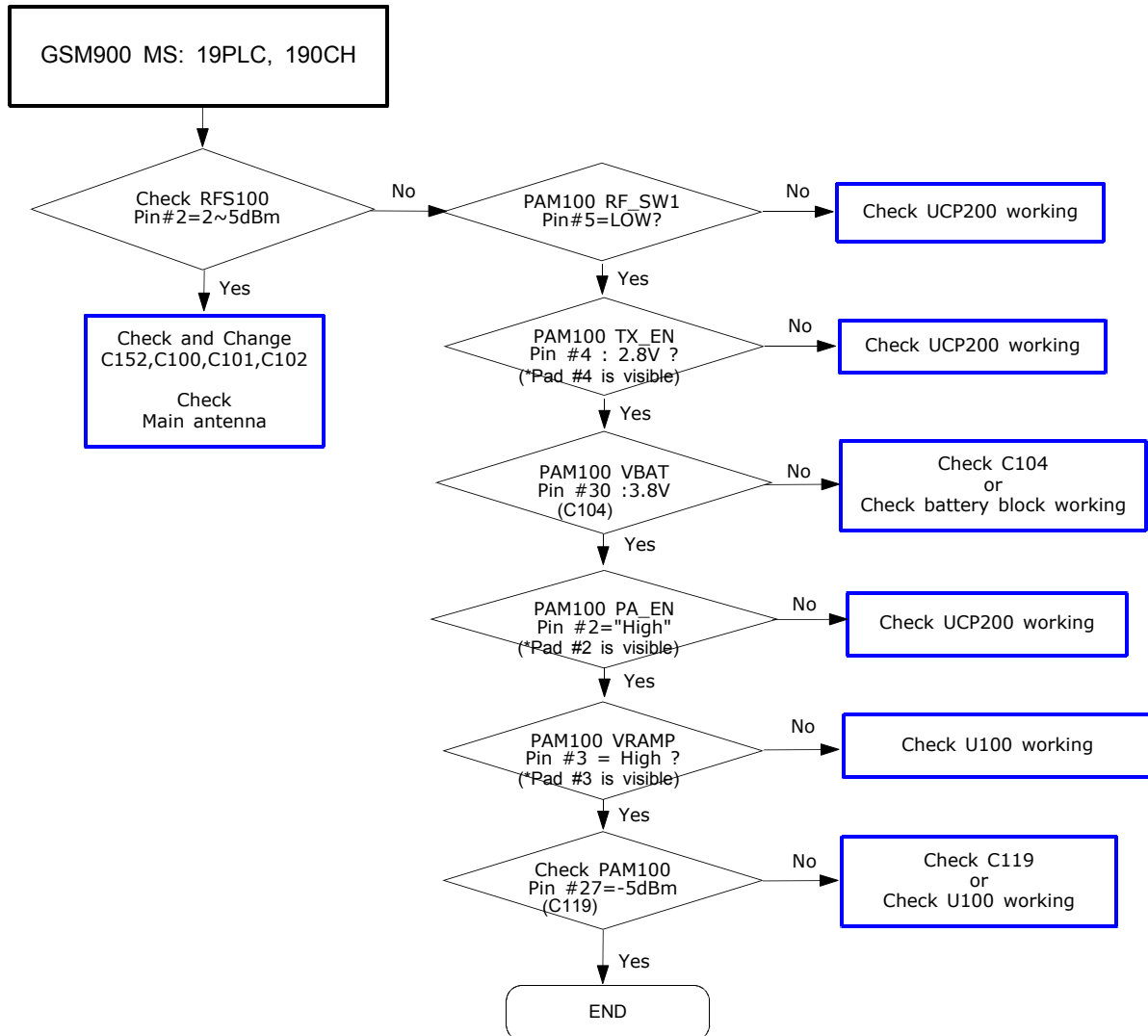
9-2-1. GSM900 RX *Refer to the --- Line(GSM900 Rx path) in service schematic page1



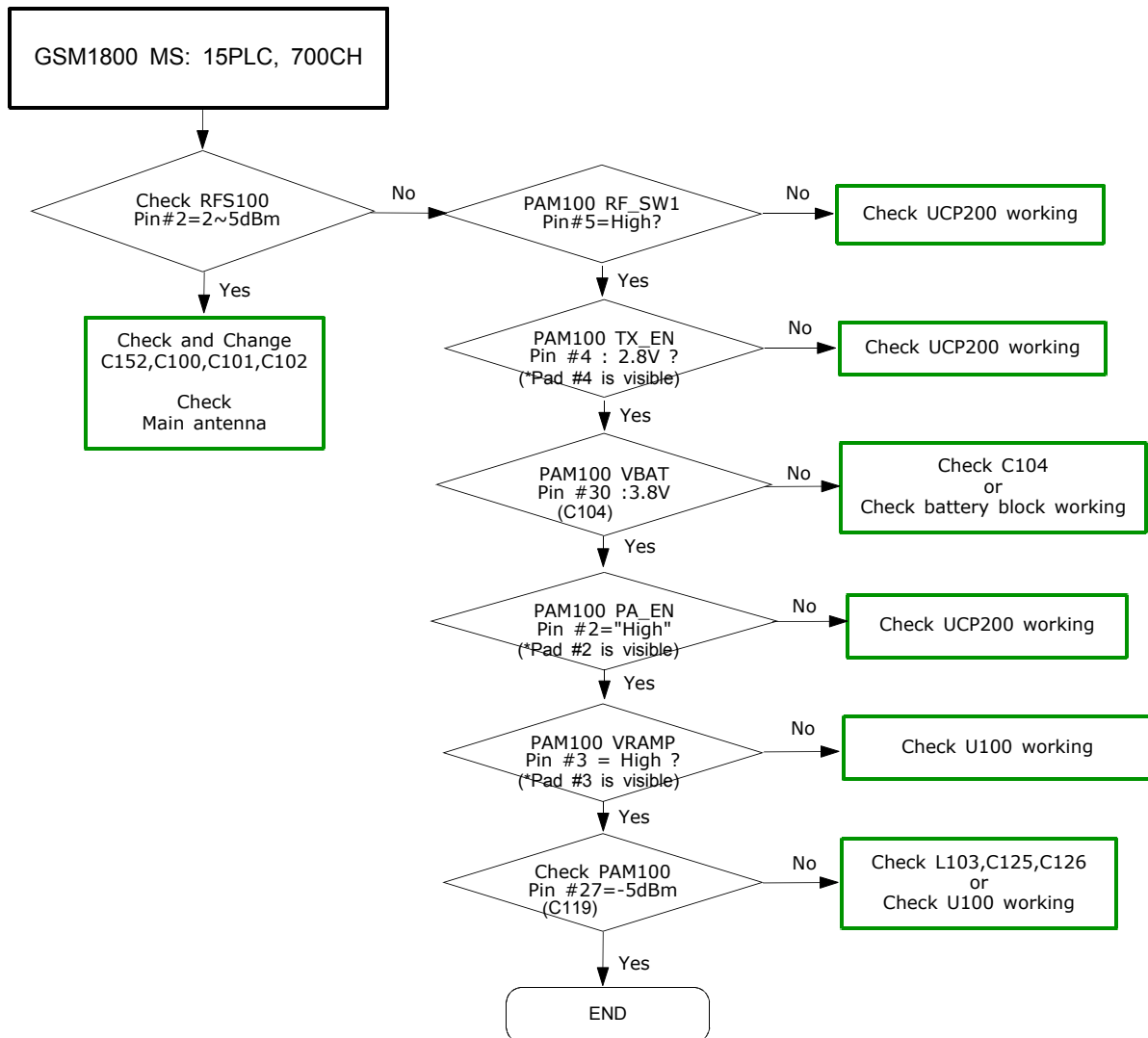
9-2-2. DCS1800 RX *Refer to the ----- Line(DCS1800 Rx path) in service schematic page1



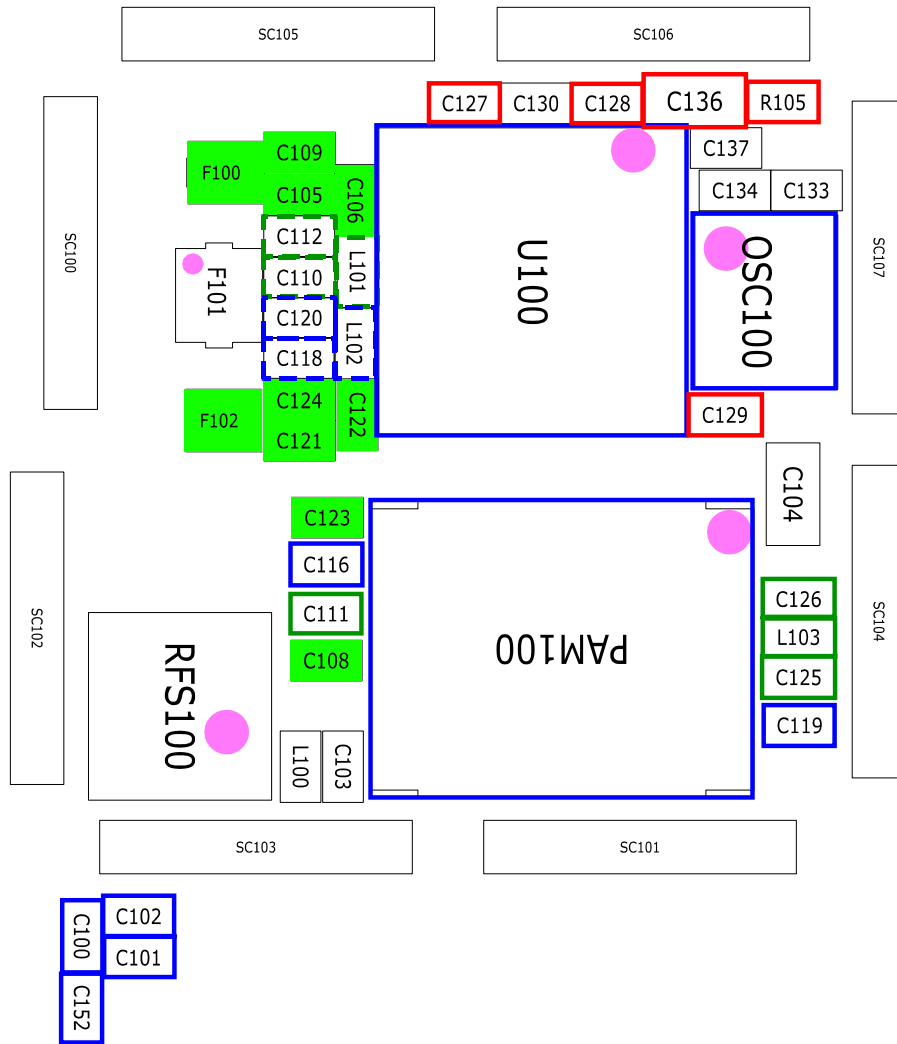
9-2-3. GSM900 TX *Refer to the Line(Low band Tx path) in service schematic page1



9-2-4. DCS1800 TX

*Refer to the  Line(GSM900 Tx path) in service schematic page1

RF Layout

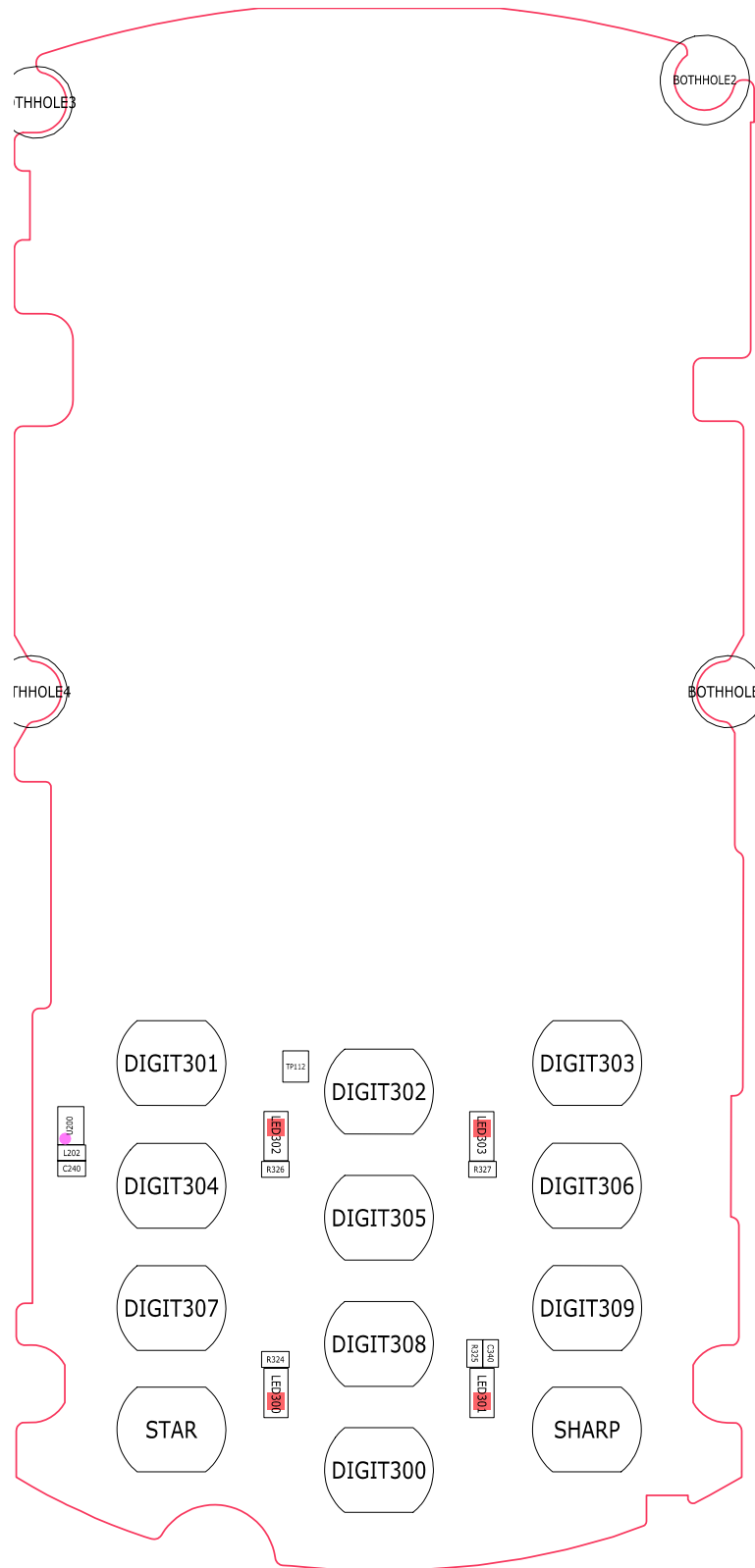


7-1. Functional Block Diagram



8. PCB Diagrams

[Main top view]



[Main Bottom view]

- This Document can not be used without Samsung's authorization -

5-2. Cellular phone Parts list : GT-E2550SKLZTM

Design LOC	Description	SEC CODE
QAN02	ANTENNA-GTE2550L	GH42-02614A
QBA01	INNER BATTERY PACK-800MAH,BLK,UNI,MAIN	GH43-03257A
QBC00	ASSY COVER-BATTERY	GH98-17273A
QCA01	CAMERA MODULE-GT-C5010(1.3M)	GH59-09031A
QCR17	SCREW-MACHINE	6001-001460
QCR72	SCREW-MACHINE	6001-002051
QCR93	SCREW-MACHINE	6001-002263
QFL01	ASSY CASE-SLIDE LOWER	GH98-16917A
QFR01	ASSY CASE-FRONT	GH98-16838A
QFU01	ASSY CASE-SLIDE UPPER	GH98-16574A
QIF01	PMO COVER-IF	GH72-59679A
QKP01	ASSY KEYPAD-MAIN(3X4)	GH98-16580A
QKP02	ASSY KEYPAD-SUB	GH98-16579A
QLC01	ASSY LCD-2.0" QQVGA STD SLIDE LCM WINTe	GH96-04490A
QLC02	ASSY ETC-LCD SUB PBA(GT-E2550)	GH59-09170A
QME01	DOMe SHEET-GT-E2550 MAIN	GH59-09200A
QME02	DOMe SHEET-GT-E2550 SUB	GH59-09201A
QME16	ASSY ETC-CON TO CON FPCB(GT-E2550)	GH59-09171A
QM101	MICROPHONE-ASSY-GT-E2550	GH30-00656A
QMO01	MODULE-MOT/RCV FPCB(GT-E2550)	GH59-09178A
QMP01	A/S ASSY-GTE2550L_SEDA_PBA MAIN (SVC)	GH82-05104A
QMW01	ASSY COVER-MAIN WINDOW	GH98-16840A
QRE01	ASSY CASE-REAR	GH98-17394A
QSP01	SPEAKER	3001-002587

2. Specification

2-1. GSM General Specification

	GSM850 Phase 1	EGSM900	DCS1800	PCS1900
Freq. Band[MHz] Uplink/Downlink	824~849 869~894	880~915 925~960	1710~1785 1805~1880	1850~1910 1930~1990
ARFCN range	128~251	0~124 & 975~1023	512~885	512~810
Tx/Rx spacing	45MHz	45MHz	95MHz	80MHz
Mod. Bit rate / Bit Period	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us
Time Slot Period / Frame Period	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms
Modulation	0.3GMSK	0.3GMSK	0.3GMSK	0.3GMSK
MS Power	33dBm~5dBm	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm
Power Class	$\overset{4}{(\max + 33\text{dBm})}$	5~19(class4)	0~15(class1)	$\overset{1}{(\max + 30\text{dBm})}$
Sensitivity	-102dBm	-102dBm	-100dBm	-100dBm
TDMA Mux	8	8	8	8
Cell Radius	35Km	35Km	2Km	2Km

2-2. GSM TX power class

TX Power control level	GSM850	TX Power control level	GSM900
5	33±2 dBm	5	33±2 dBm
6	31±2 dBm	6	31±2 dBm
7	29±2 dBm	7	29±2 dBm
8	27±2 dBm	8	27±2 dBm
9	25±2 dBm	9	25±2 dBm
10	23±2 dBm	10	23±2 dBm
11	21±2 dBm	11	21±2 dBm
12	19±2 dBm	12	19±2 dBm
13	17±2 dBm	13	17±2 dBm
14	15±2 dBm	14	15±2 dBm
15	13±2 dBm	15	13±2 dBm
16	11±3 dBm	16	11±3 dBm
17	9±3dBm	17	9±3 dBm
18	7±3 dBm	18	7±3 dBm
		19	5±3 dBm

TX Power control level	PCS1900	TX Power control level	DCS1800
0	30±3 dBm	0	30±3 dBm
1	28±3 dBm	1	28±3 dBm
2	26±3 dBm	2	26±3 dBm
3	24±3 dBm	3	24±3 dBm
4	22±3 dBm	4	22±3 dBm
5	20±3 dBm	5	20±3 dBm
6	18±3 dBm	6	18±3 dBm
7	16±3 dBm	7	16±3 dBm
8	14±3 dBm	8	14±3 dBm
9	12±4 dBm	9	12±4 dBm
10	10±4 dBm	10	10±4 dBm
11	8±4dBm	11	8±4dBm
12	6±4 dBm	12	6±4 dBm
13	4±4 dBm	13	4±4 dBm
14	2±5 dBm	14	2±5 dBm
		15	0±5 dBm

3. Product Function

Main Function

- GSM850,GSM900,DCS1800,PCS1900
- GSM, GPRS, EDGE(RX only)
- 2.01" 262K 128*160 TFT/QQVGA LCD
- 1.3M Camera
- Bluetooth V.2.1+EDR
- Music player
- MP3, AAC, MP4, 3GPP Decoding
- SMS/MMS/E-Mail
- FM Radio & Recording
- Wap 2.0
- Java Games

10. Reference data

Reference Abbreviate

- **ADC** : Analog to Digital Converter
- **AMPS** : Advanced Mobile Phone System(analog IS-95)
- **BGA** : Ball Grid Array
- **BPF** : Band Pass Filter
- **CDMA** : Code Division Multiple Access
- **DL** : Downlink
- **FTP** : File Transfer Protocol
- **GPS** : Global Positioning System
- **MMS** : Multimedia Messaging Service
- **PBA** : Panel Board Assembly
- **PCS** : Personal Communication System
- **PIM(S)** : Personal Information Management (System)
- **QPSK** : Quadrature Phase Shift Keying
- **RF** : Radio Frequency
- **RSS** : Received Signal Strength
- **SAW** : Surface Acoustic Wave
- **SMS** : Short Message Service
- **TCXO** : Temperature Compensated Crystal Oscillator
- **TSP** : Touch Screen Panel
- **UL** : Uplink
- **USB** : Universal Serial Bus

1. Safety Precautions

1-1. Repair Precaution

- Repair in Shield Box, during detailed tuning.
Take specially care of tuning or test, because the specification of cellular phone is sensitive for surrounding interference(RF noise).
- Be careful to use a kind of magnetic object or tool, because performance of parts is damaged by the influence of magnetic force.
- Surely use a standard screwdriver when you disassemble this product, otherwise screw will be worn away.
- Use a thicken twisted wire when you measure level.
A thicken twisted wire has low resistance, therefore error of measurement is few.
- Repair after separate Test Pack and Set because for short danger (for example an overcurrent and furious flames of parts etc) when you repair board in condition of connecting Test Pack and tuning on.
- Take specially care of soldering, because Land of PCB is small and weak in heat.
- Surely tune on/off while using AC power plug, because a repair of battery charger is dangerous when tuning ON/OFF PBA and Connector after disassembling charger.
- Don't use as you pleases after change other material than replacement registered on SEC System.
Otherwise engineer in charge isn't charged with problem that you don't keep this rules.

1-2. ESD(Electrostatically Sensitive Devices) Precaution

Several semiconductor may be damaged easily by static electricity. Such parts are called by ESD (Electrostatically Sensitive Devices), for example IC,BGA chip etc. Read Precaution below.

You can prevent from ESD damage by static electricity.

- Remove static electricity remained your body before you touch semiconductor or parts with semiconductor. There are ways that you touch an earthed place or wear static electricity prevention string on wrist.
- Use earthed soldering steel when you connect or disconnect ESD.
- Use soldering removing tool to break static electricity. Otherwise ESD will be damaged by static electricity.
- Don't unpack until you set up ESD on product. Because most of ESD are packed by box and aluminum plate to have conductive power,they are prevented from static electricity.
- You must maintain electric contact between ESD and place due to be set up until ESD is connected completely to the proper place or a circuit board.

4. Array course control

4-1. Software Downloading



Test Jig (GH99-36900A)



Test Cable (GH39-01160A)



RF Test Cable (GH39-00985A)



Adapter (GH99-38251A)

4-2. Software Downloading

4-2-1. Pre-requisite for S/W Downloading

- Downloader Program
([Nor Downloader v0.3 For PNX6608\(TFFS&PRAM&NORSLC\)](#))
- GT-E2550L Mobile Phone
- Test jig, Test jig cable
- Binary File, TFS file, CSC file.

4-2-2. S/W Downloader Program

- Load the binary download program by executing the
([Nor Downloader v0.3 For PNX6608\(TFFS&PRAM&NORSLC\)](#))
- 1. Select the connected serial [Port](#) and the [Rate of speed](#)
- 2. Select the check box, the mode you want to download.
 - If the binary file wanted, check only '[BIN](#)'
 - If the tfs file wanted, check only '[TFS](#)'
 - If the csc file wanted, check only '[with common CSC](#)'
 - If all the files wanted, check '[BIN+TFS](#)' and '[with commom CSC](#)'
- 3. Select the file(s) what you want to download
- 4. Press START and connect GT-E2550L to the JIG BOX.

