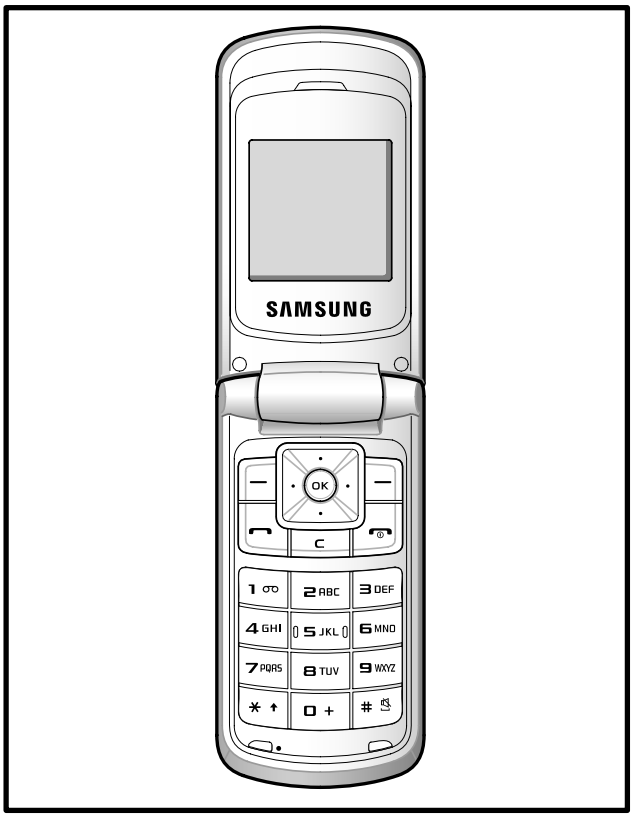
SAMSUNG

GSM TELEPHONE

SGH-B300

SERVICE Manual

GSM TELEPHONE



CONTENTS

SAMSUNG ELECTRONICS

GSPN (Global Service Partner Network)

Country	Web Site
North America	service.samsungportal.com
Latin America	latin.samsungportal.com
CIS	cis.samsungportal.com
Europe	europe.samsungportal.com
China	china.samsungportal.com
Asia	asia.samsungportal.com
Mideast & Africa	mea.samsungportal.com

2008. 04. Rev.1.0

2. Specification

2-1. GSM General Specification

	EGSM 900 Phase 2	DCS1800 Phase 1
Freq. Band[MHz] Uplink/Downlink	880~915 925~960	1710~1785 1805~1880
ARFCN range	0~124 & 975~1023	512~885
Tx/Rx spacing	45 MHz	95 MHz
Mod. Bit rate/ Bit Period	270.833 kbps 3.692 us	270.833 kbps 3.692 us
Time Slot Period/Frame Period	576.9 us 4.615 ms	576.9 us 4.615 ms
Modulation	0.3 GMSK	0.3 GMSK
MS Power	33 dBm~5 dBm	30 dBm~0 dBm
Power Class	5 pcl ~ 19 pcl	0 pcl ~ 15 pcl
Sensitivity	-102 dBm	-100 dBm
TDMA Mux	8	8
Cell Radius	35 Km	2 Km

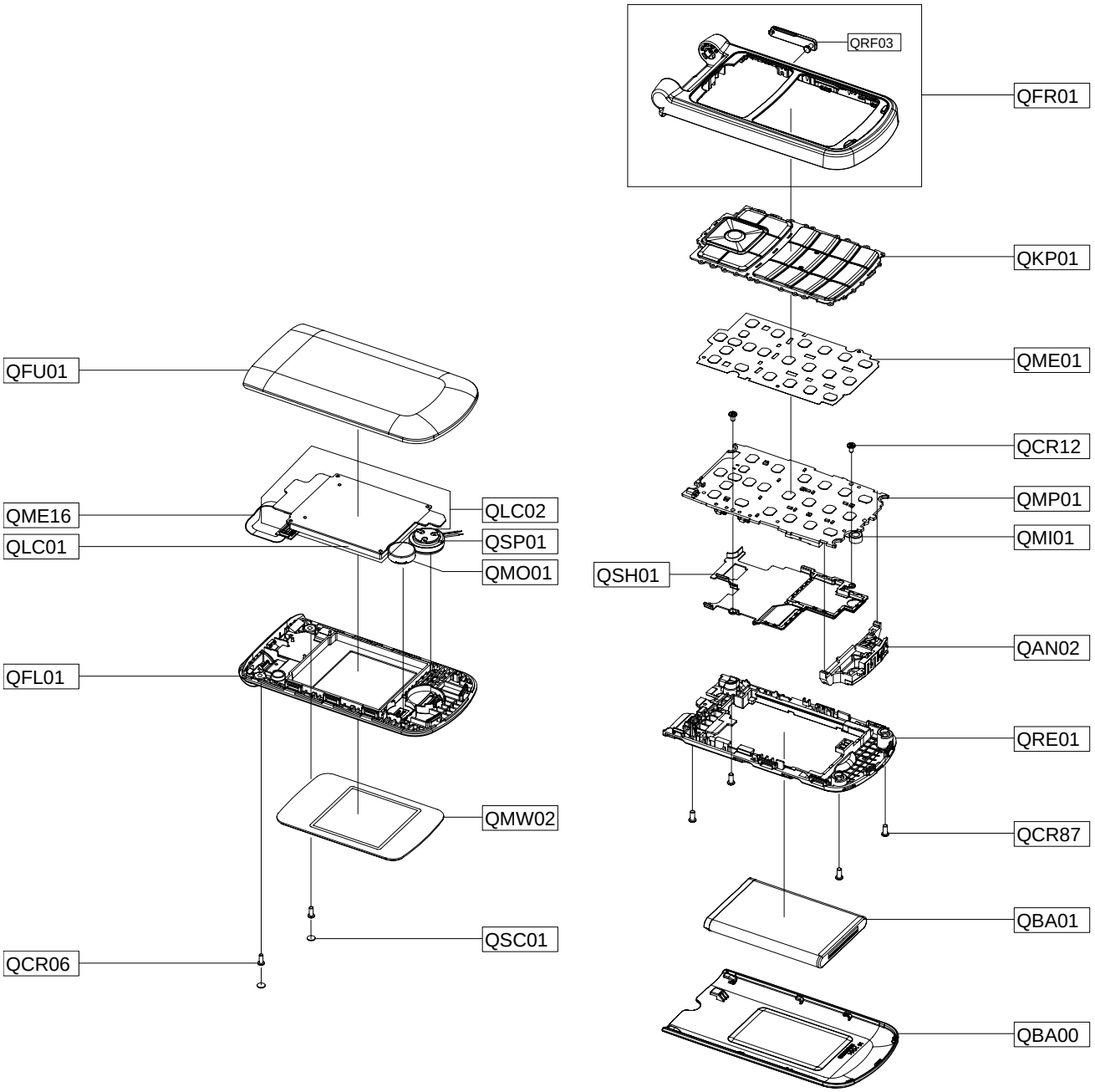
2-2. GSM Tx Power Class

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

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

5. Exploded View and Parts List

5-1. Cellular phone Exploded View



5-2. Cellular phone Parts list

Design LOC		Discription	SEC CODE
QAN02		INTENNA-SGHB300	GH42-01534A
QBA00		PMO COVER-BATTERY	GH72-46670A
QBA01		INNER BATTERY PACK-750MAH,BLK,	GH43-02483A
QCR06		SCREW-MACHINE	6001-001155
QCR12		SCREW-MACHINE	6001-001530
QCR87		SCREW-TAPPING	6002-001412
QFL01		ASSY CASE-LOWER	GH98-07688A
QFU01		ASSY CASE-UPPER	GH98-07689A
QKP01		ASSY KEYPAD-(XEF/DGA)	GH98-07671A
QLC01		LCD-MODULE SGHB110L	GH07-01241A
QLC02		ELA UNIT-SGHB300 LCD MODULE SV	GH96-03067A
QME01		DOME SHEET-SGHB300	GH59-05506A
QME16		UNIT-SGHB300 CON TO CON	GH59-05509A
QMI01		MICROPHONE-ASSY-SGHB300	GH30-00467A
QMO01		MOTOR DC-SGHZ130	GH31-00154C
QMP01		PBA MAIN-SGHB300	GH92-04468A
QMW02		PMO WINDOW-MAIN	GH72-46665A
QRE01		ASSY CASE-REAR	GH98-07686A
QSC01		TAPE-COVER SCREW LOWER	GH74-38101A
QSH01		ASSY BRACKET-SHIELD CAN	GH98-07685A
QSP01		SPEAKER	3001-002344
QFR01		ASSY CASE-FRONT	GH98-07687A
	QRF03	PMO COVER-EAR	GH72-46664A

7. Disassembly and Assembly Instructions

7-1. Disassembly

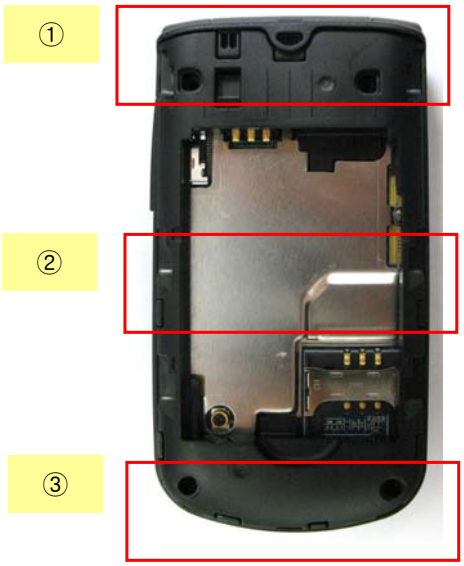
1

1) Release SCREW 4 POINT at Rear.

※ **Caution**

1) Be careful not to make scratch.

2

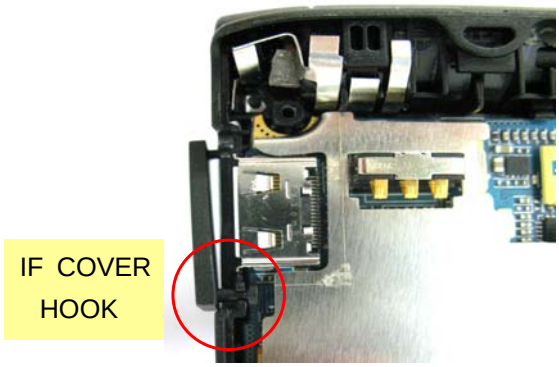


1) Disjoint HOOK from up to down.

※ **Caution**

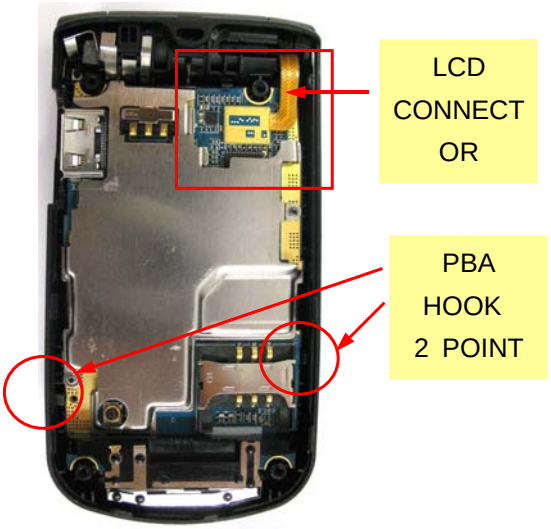
1) Be careful Hook damage when you Disjoint a REAR.

3



1) Seperate the IF COVER front FRONT.

4



1) Disjoint LCD CONNECTOR.
2) Separate PBA from FRONT.

5

1) Put tweezers to Front hole and Press down a Hinge.
2) Separate FRONTand FOLDER ASS'Y during doing NO.1.

※ Caution

1) Beware that you do not damage LCD F-PCB.
2) Be caredful that you do not make scratch when you press down a Hinge.

6

1) Remove SCREW CAP using tweezers.(2POINT)
2) Release SCREW.

※ Caution

1) Be careful not to make scratch and molding damage!

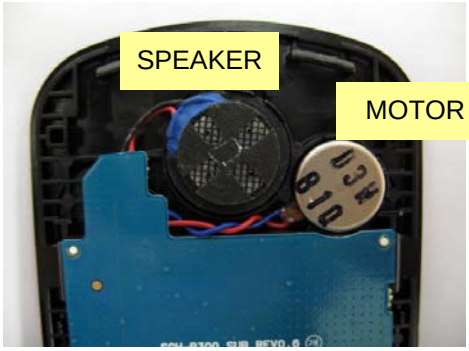
7

1) Seperate UPPER from LOWER.
Release a HOOK which locate upside first.

※ Caution

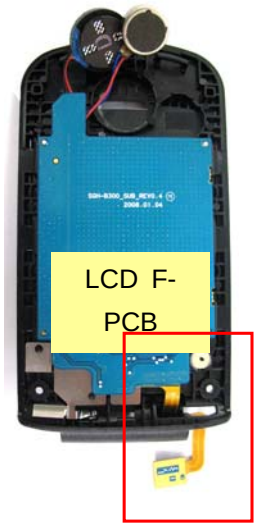
1) Be careful Hook damage when you disjoint a UPPER.

8



1) Sperate MOTOR from the LOWER
2) Sperate SPEAKER from the LOWER

9



1) Seperate a Folder LOWER and LCD MODULE.

※ Caution

1) Beware that you do not damage LCD F-PCB.
2) Beware that you do not damage F-PCB
when you passing F-PCB to hole of LOWER

7-2. Assembly

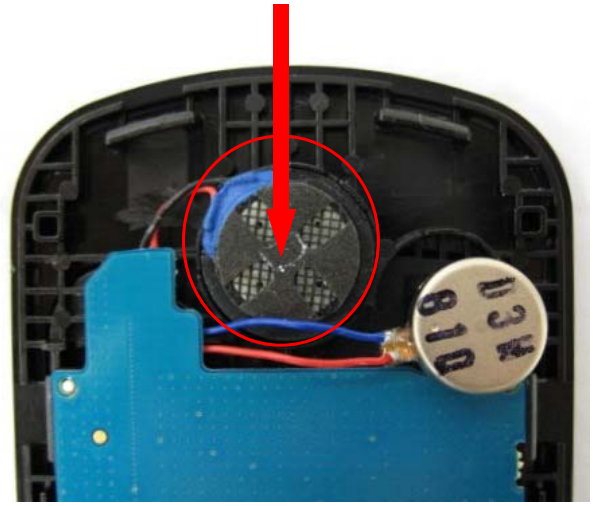
1

1) Put LCD F-PCB into the hole of LOWER.
2) Put LCD Ass'y in Folder Lower.

※ **Caution**

1) Be careful not to make scratch and molding damage.
2) Beware that you do not damage F-PCB when you insert F-PCB to hole of LOWER

2



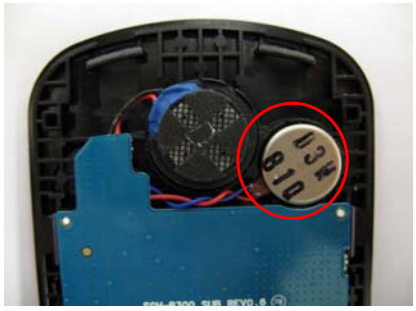
1) Put the SPEAKER on the UPPER

※ **Caution**

1) Arrange WIRE not to be interfered with other components.

3

Twiste twice



1) Twist the MOTOR wire twice, then put into the LOWER

※ **Caution**

1) Arrange WIRE not to be interfered with other components.

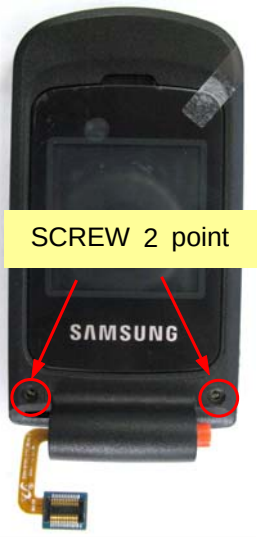
4

1) Assemble Folder Lower and Folder Upper from upside.

※ **Caution**

1) Be careful not to make scratch and molding damage.
2) Check GAP is exist after finish assembly.

5



1) Screw up two screws at FOLDER LOWER.
2) Put in screw caps.

※ **Caution**

1) Be careful not to make scratch and molding damage!

6

1) Insert F-PCB to hole of FRONT.
2) Assemble while pressing the hinge.

※ **Caution**

1) Beware that you do not damage F-PCB when you insert F-PCB to hole of FRONT
2) Open and close a folder 2~3 times to Check there is a problem or not.

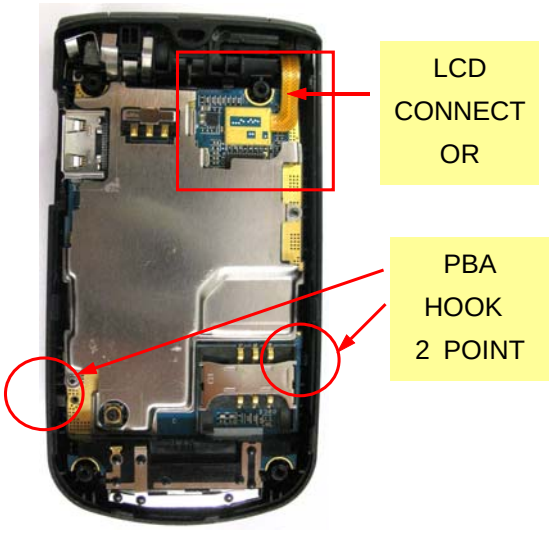
7

1) Set KEYPAD on the FRONT.

※ **Caution**

1) Check the KEYPAD's guide hole.

8



1) Set a PBA.
2) Connect RF CONNECTOR.

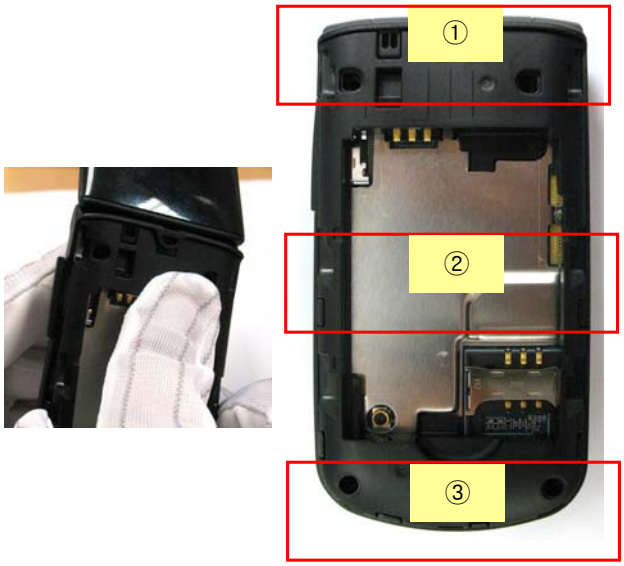
※ **Caution**

1) Be careful not to make scratch and molding damage!

9

1) Set the IF COVER on the FRONT.

10



1) Assemble REAR and FRONT ass'y from upside.

※ **Caution**

1) Be careful not to make scratch and molding damage!
2) Check GAP is exist after finish assembly.

11

1)Attach lower screw sheet.

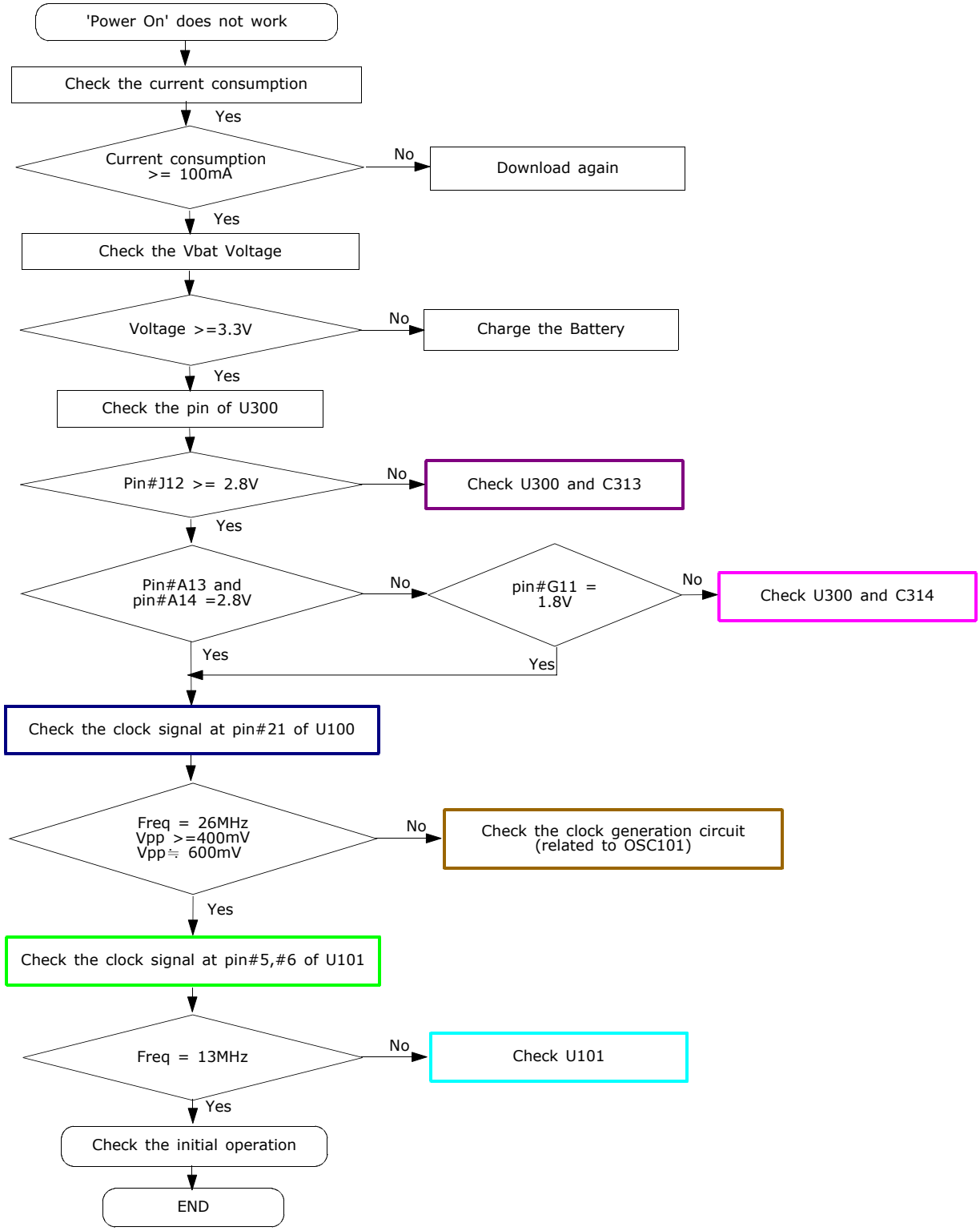
※ **Caution**

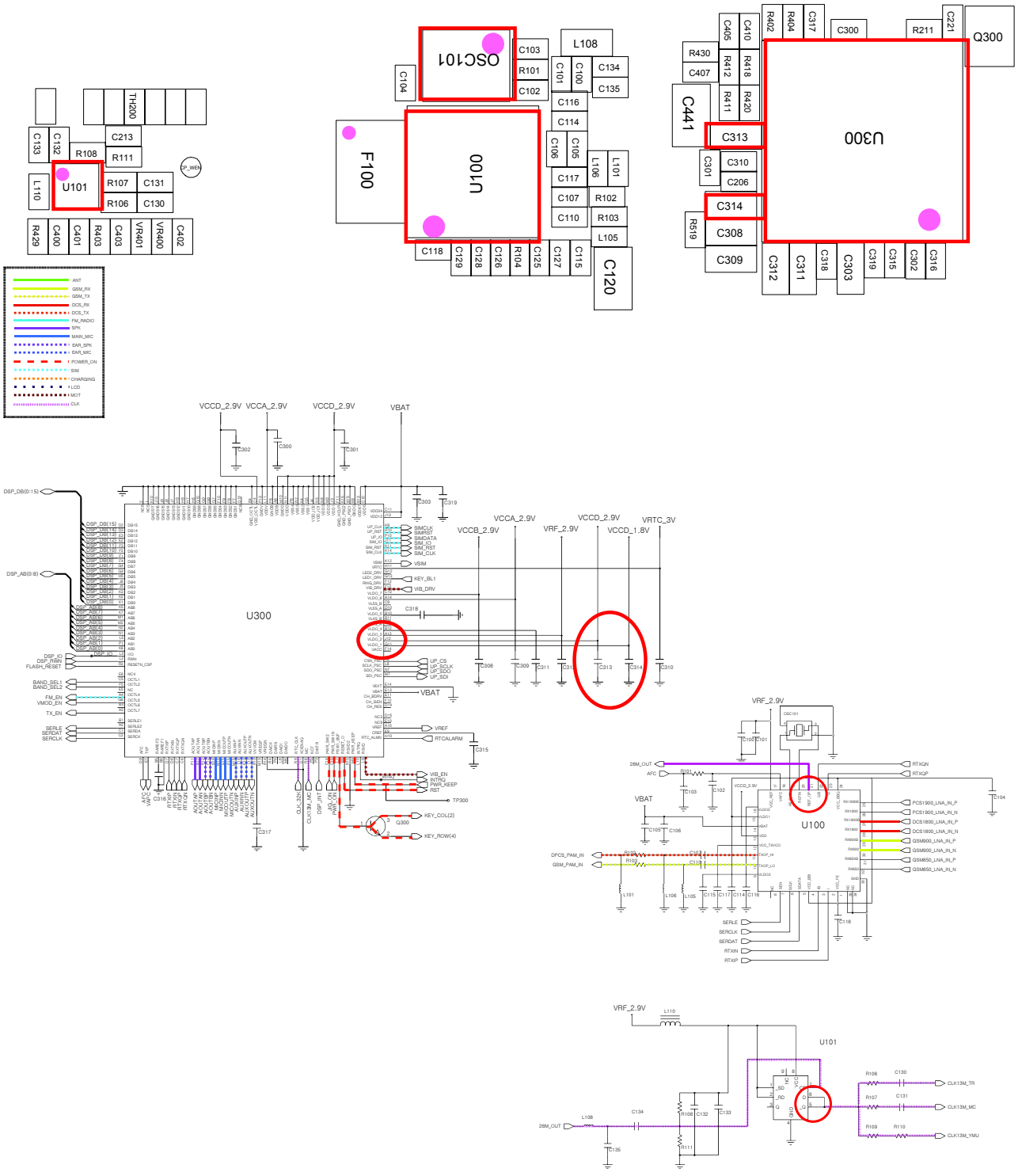
1) Be careful not to make scratch and molding damage!

10. Flow Chart of Troubleshooting

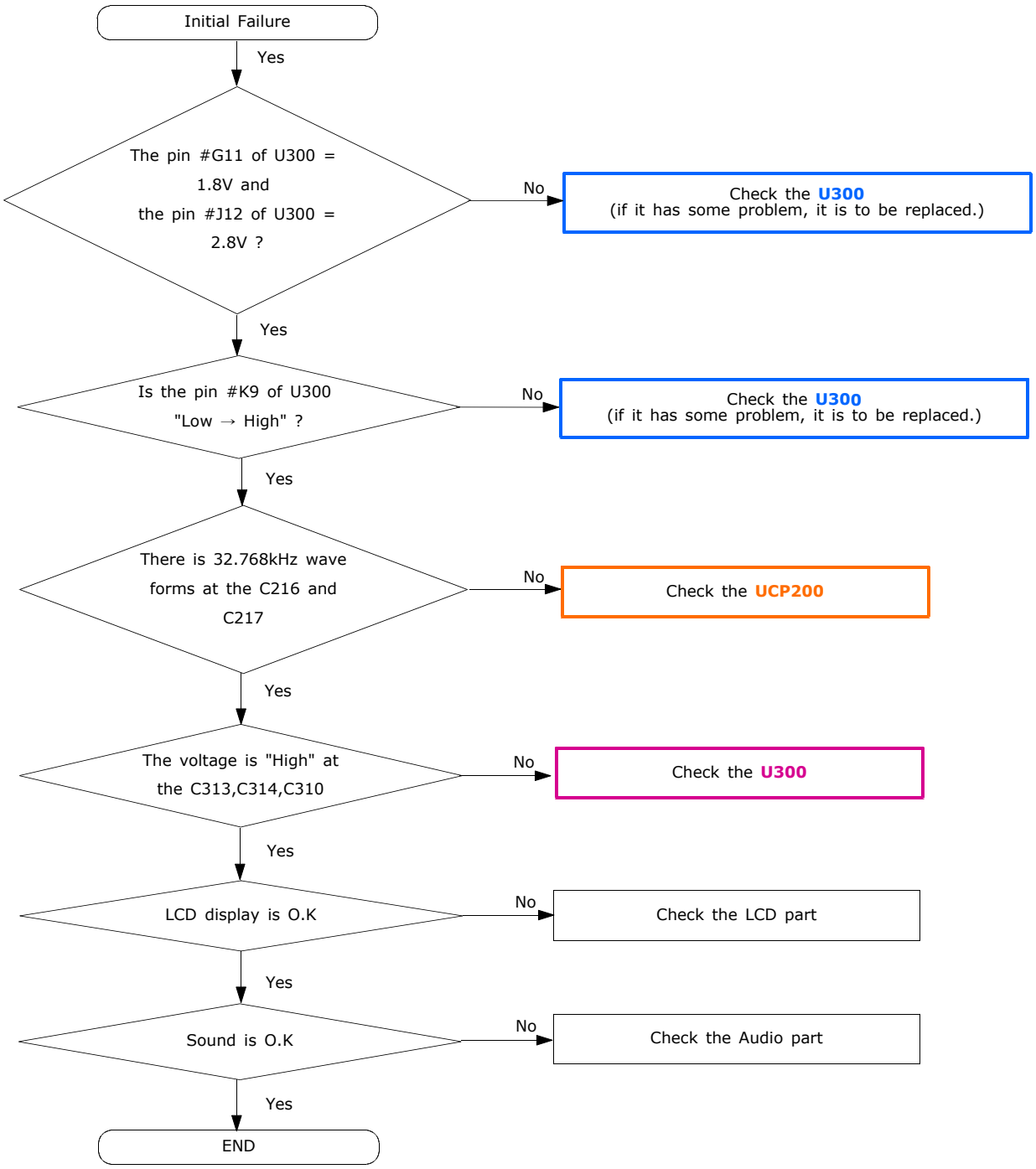
10-1.Baseband

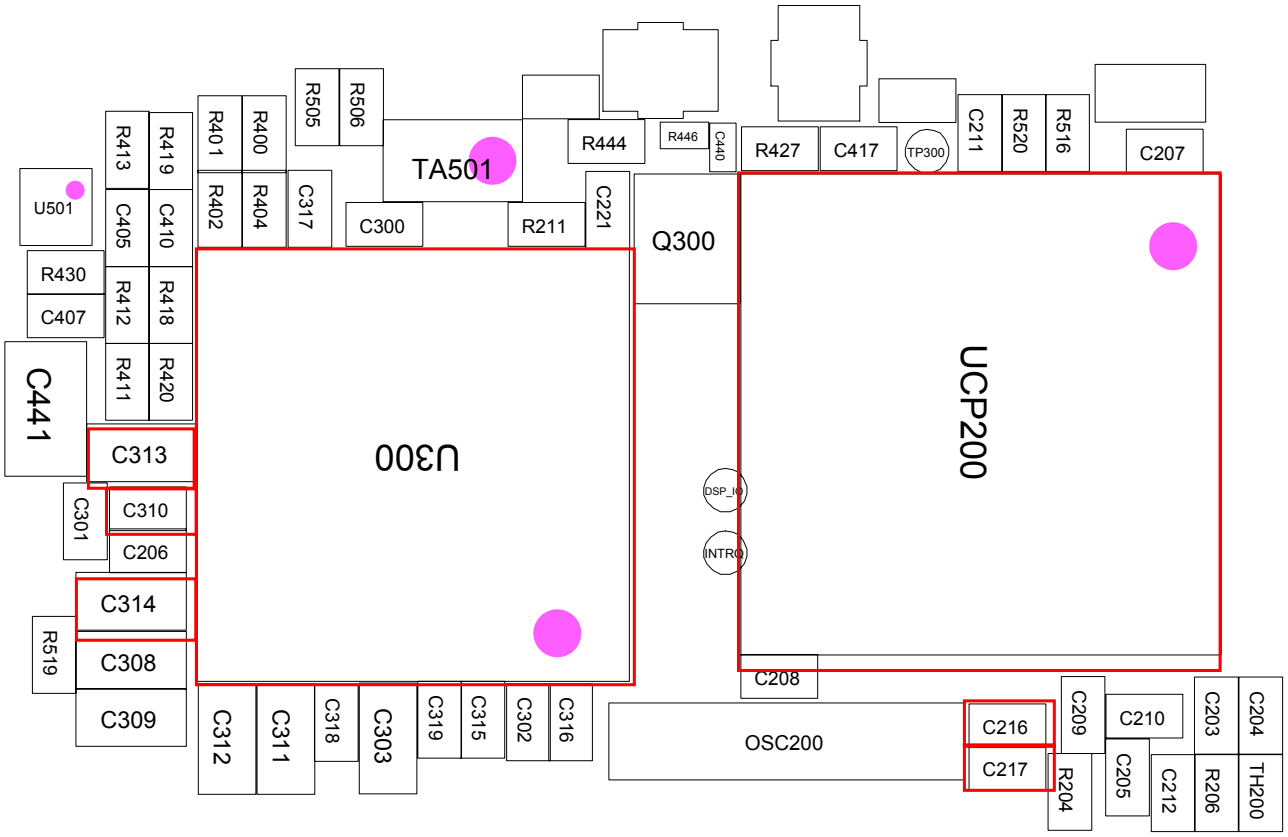
10-1-1. Power ON

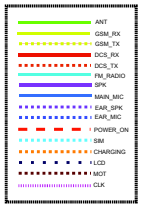


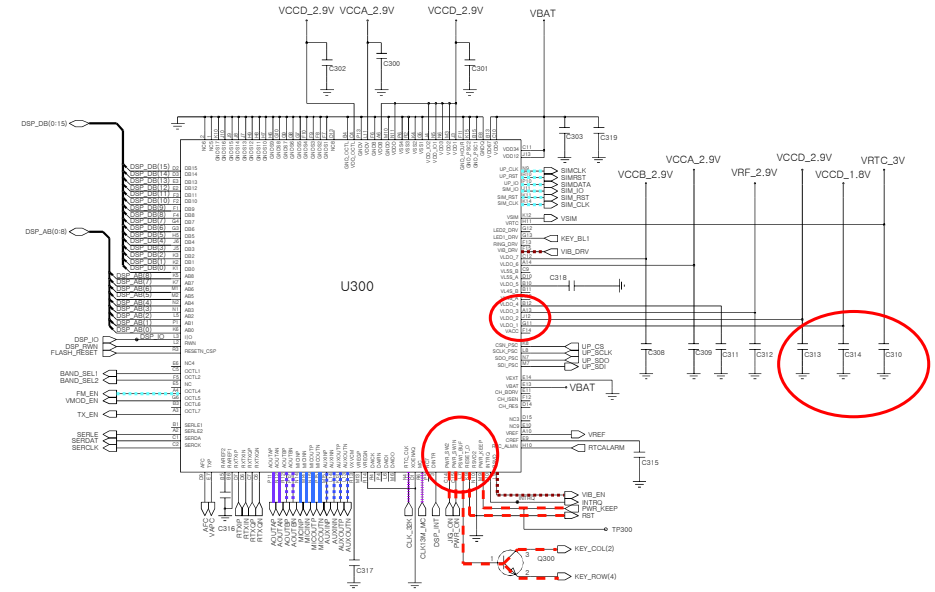


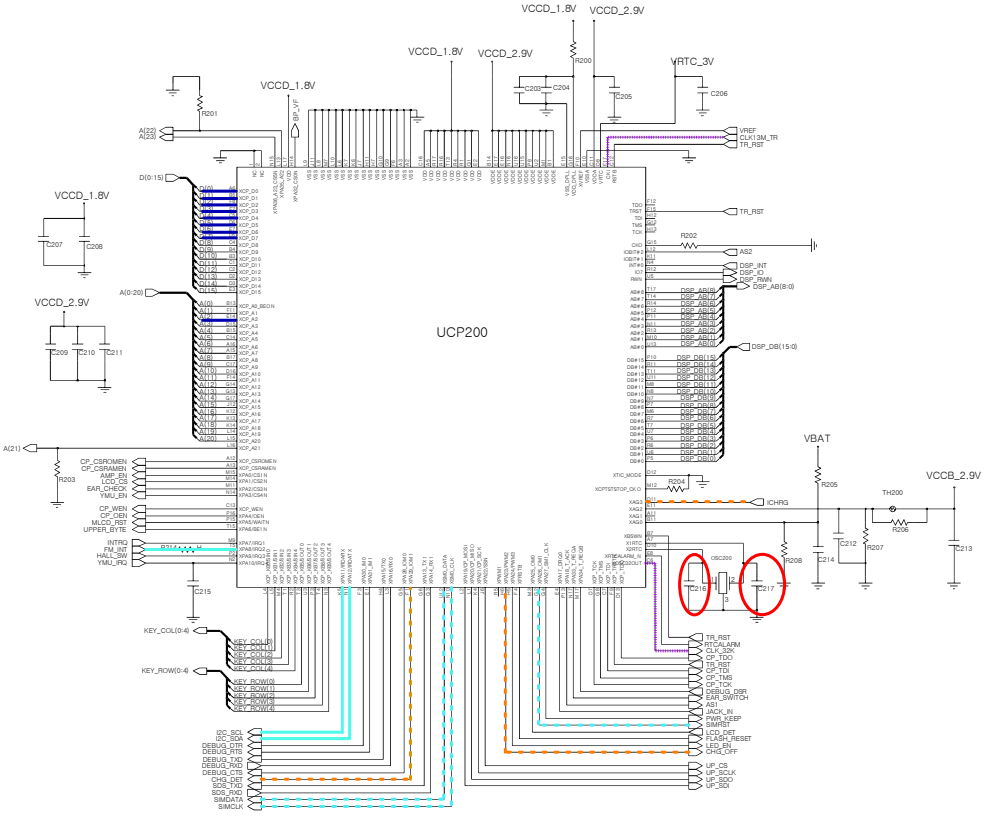
10-1-2. System Initial



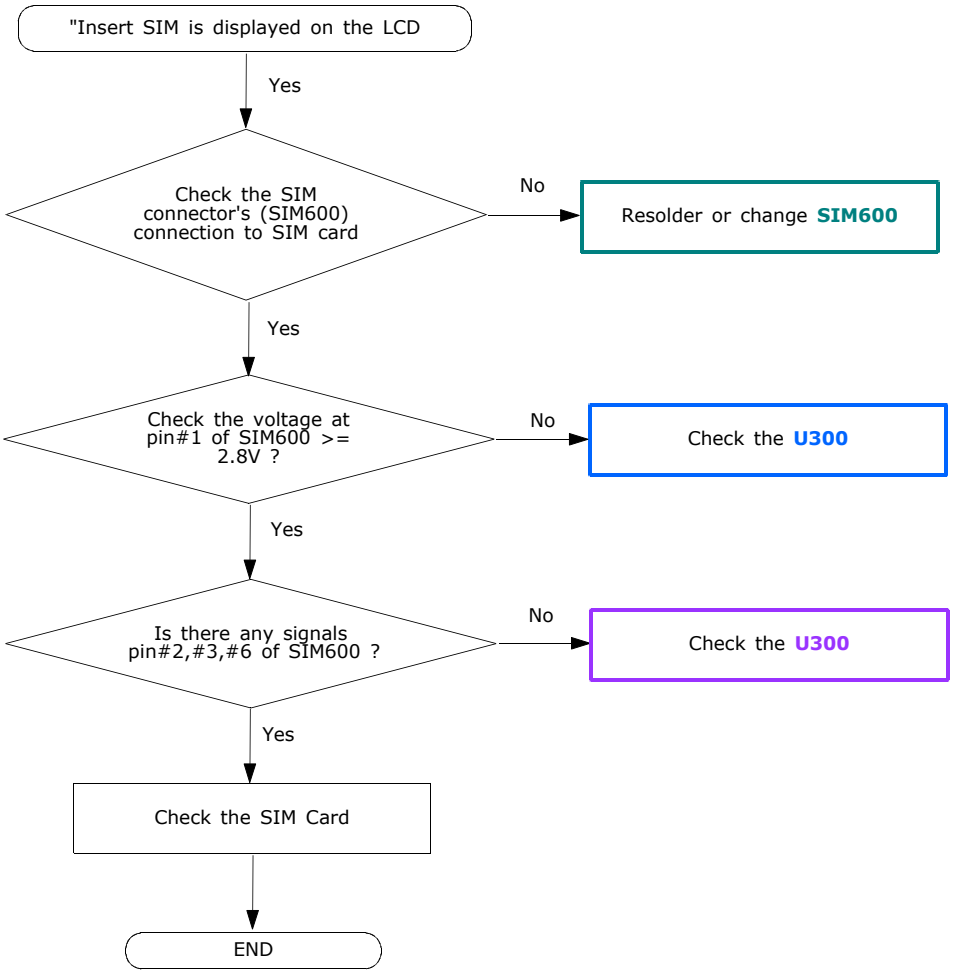


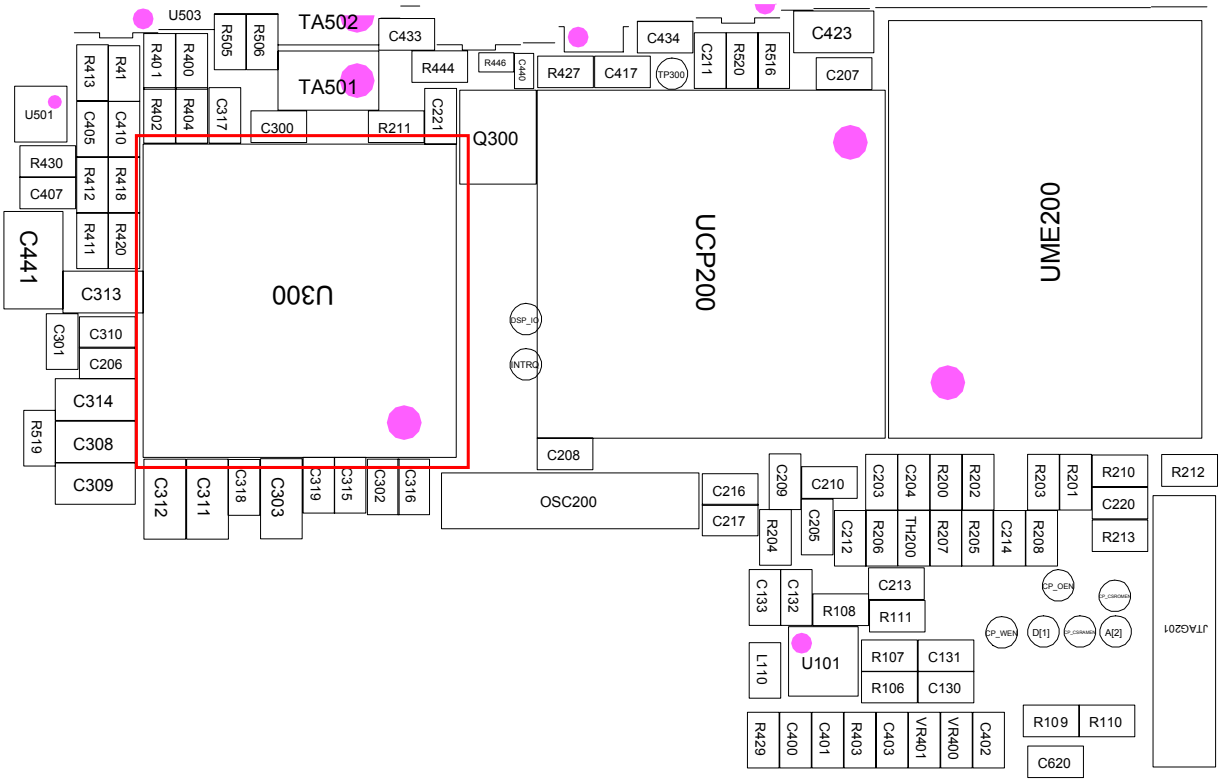


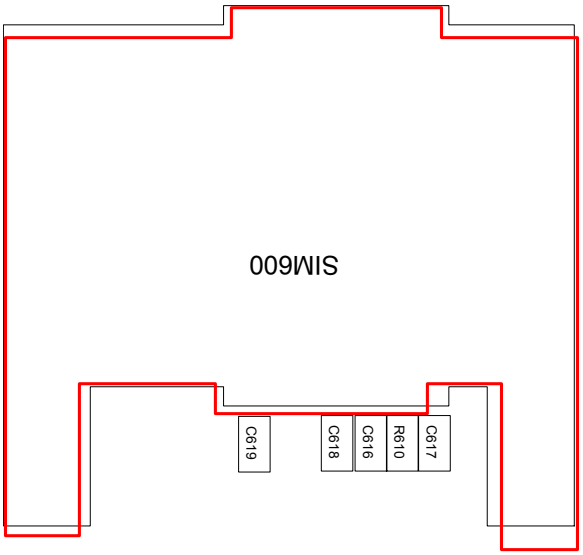


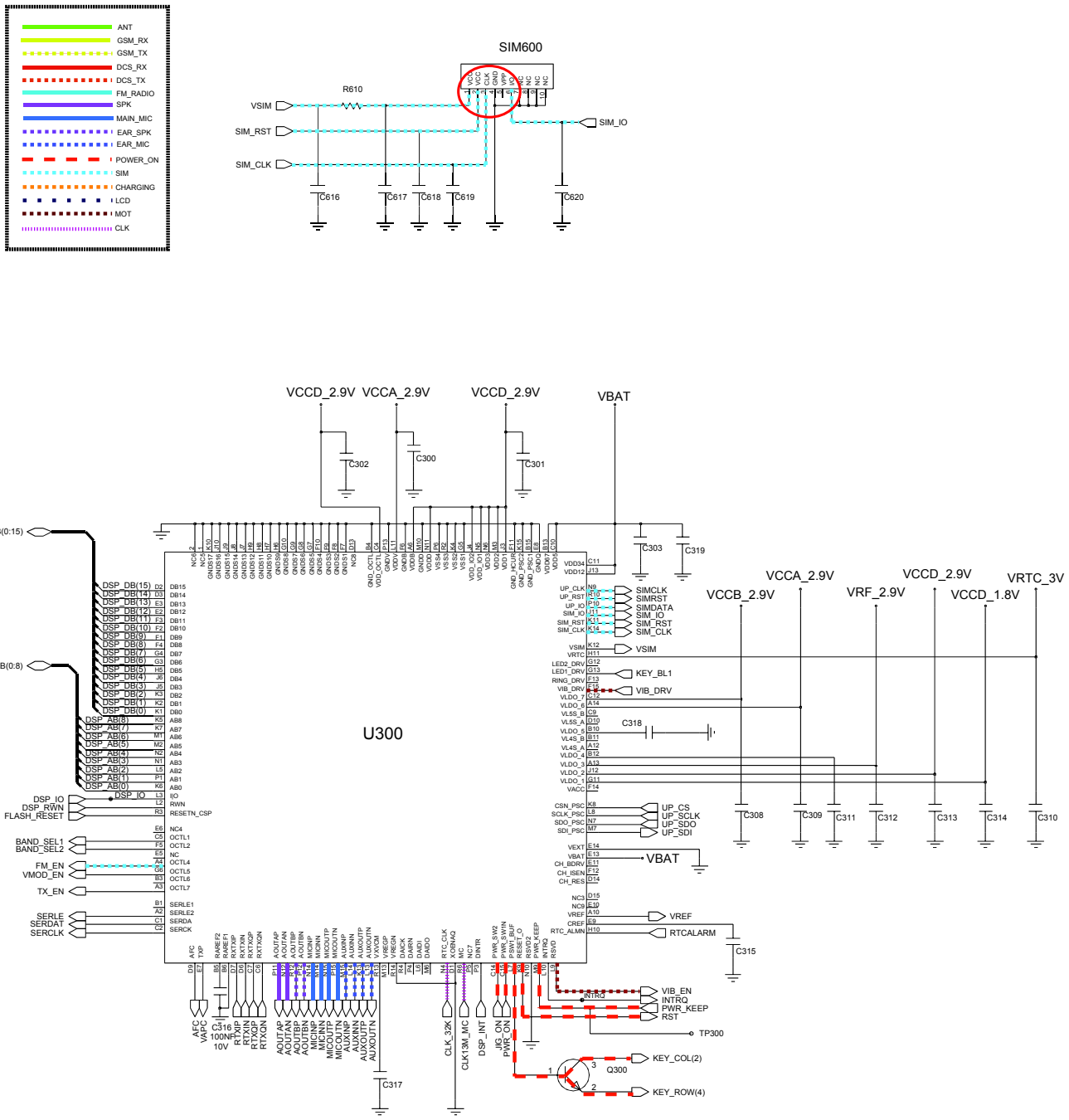


10-1-3. Sim Part

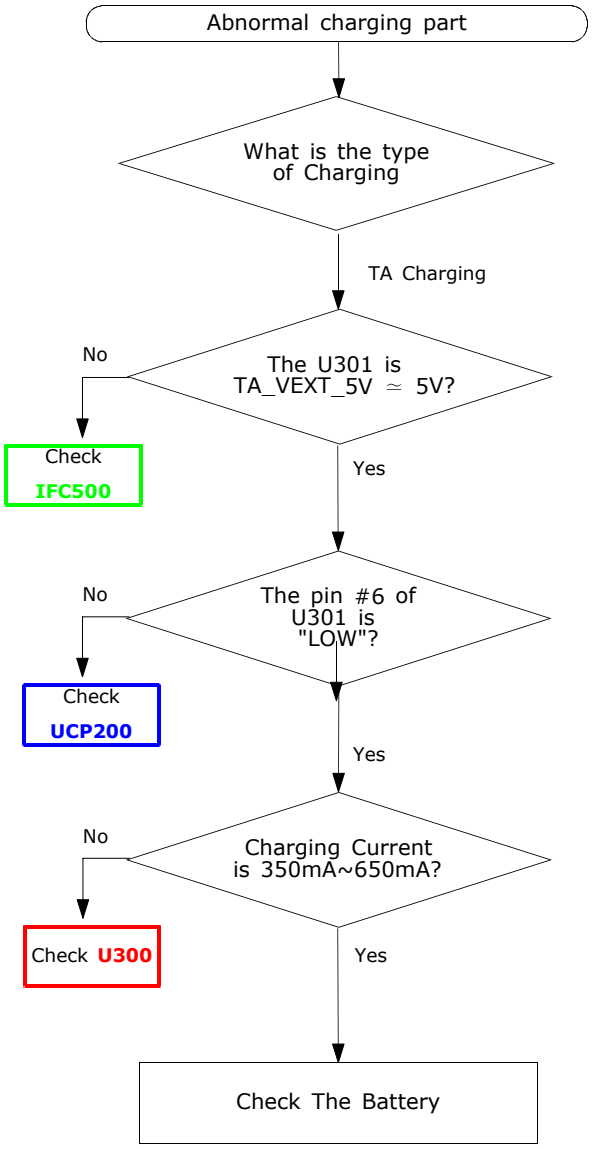


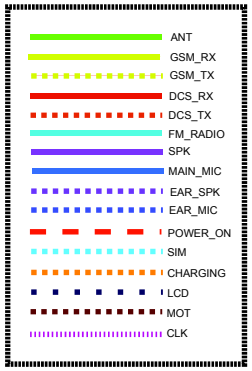


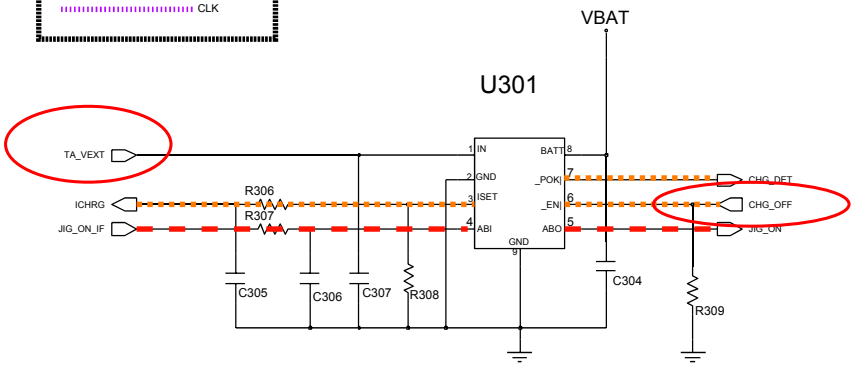




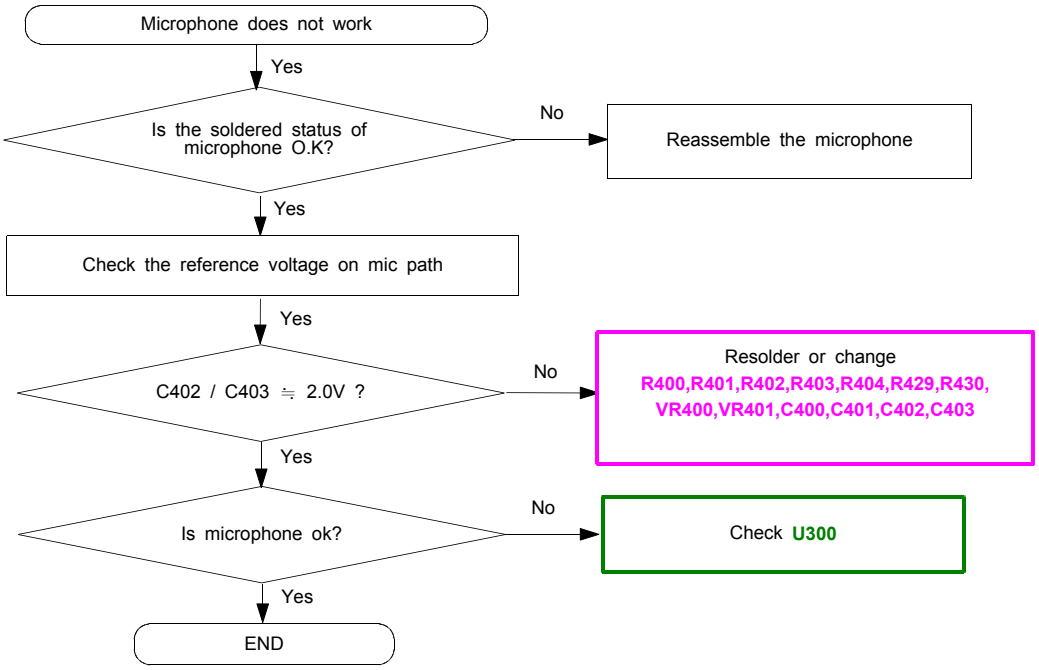
10-1-4. Charging Part



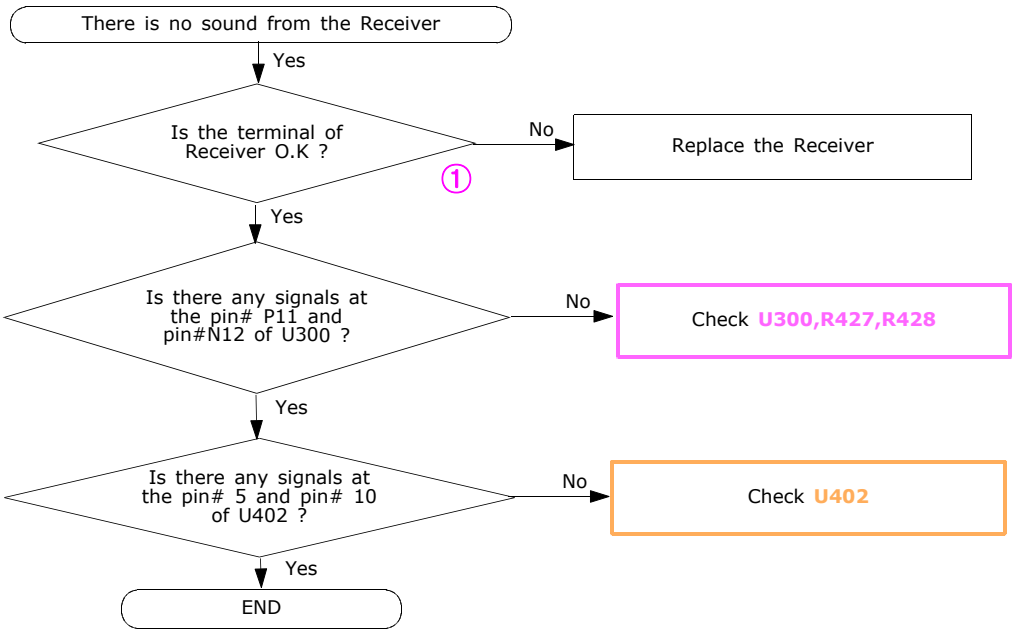




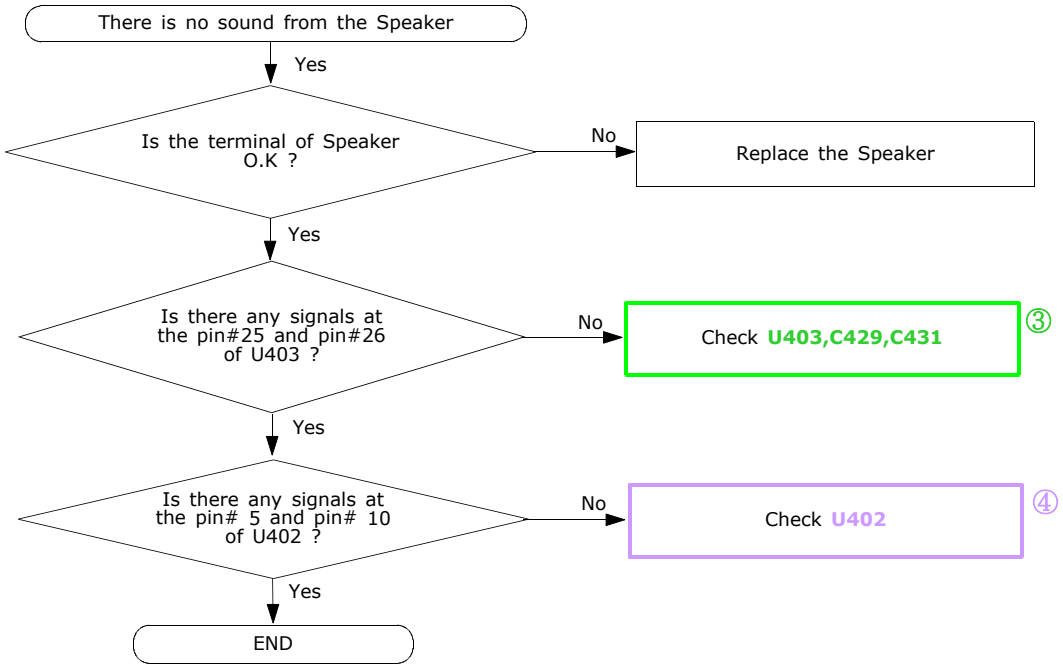
10-1-5. Microphone Part

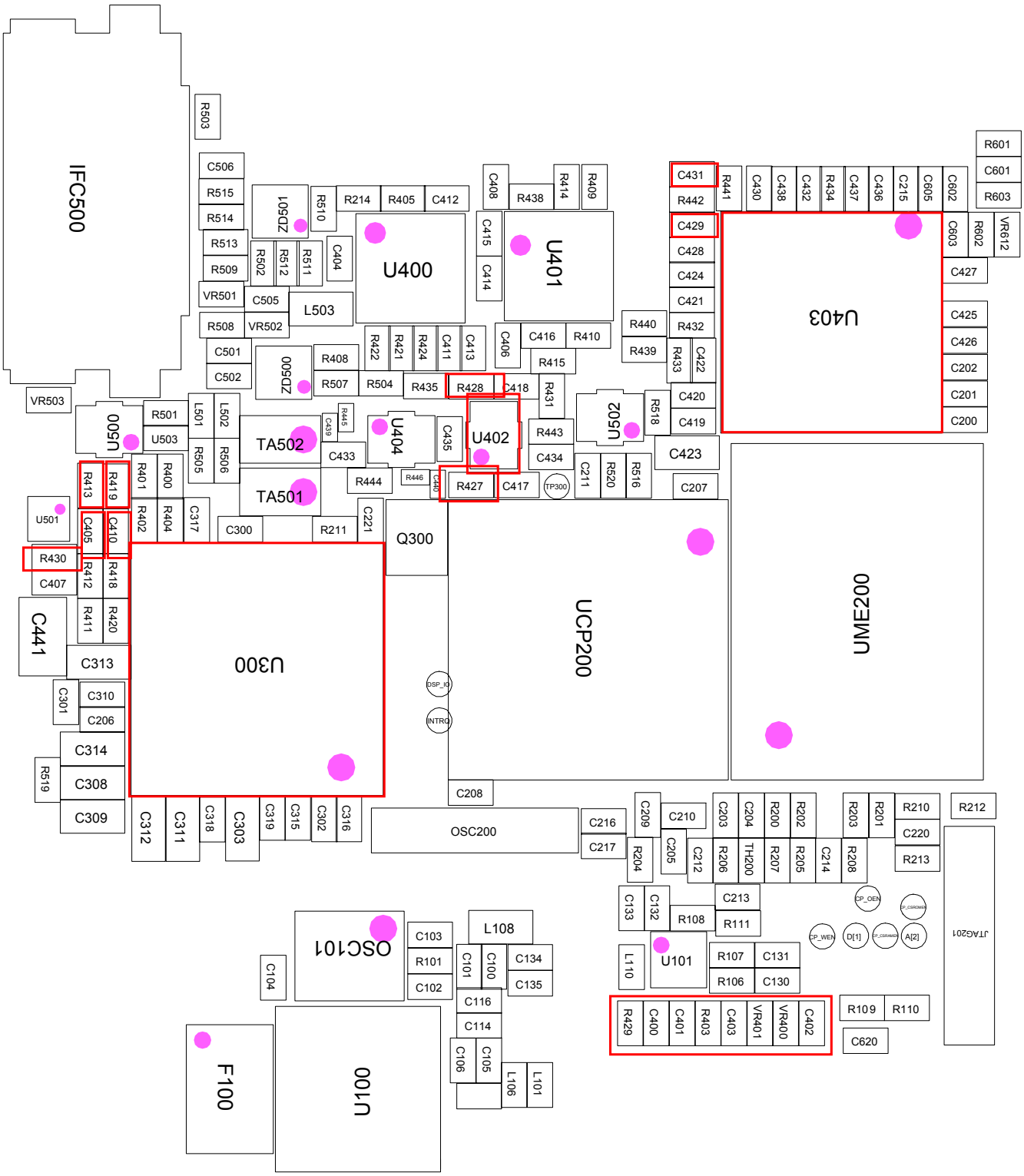


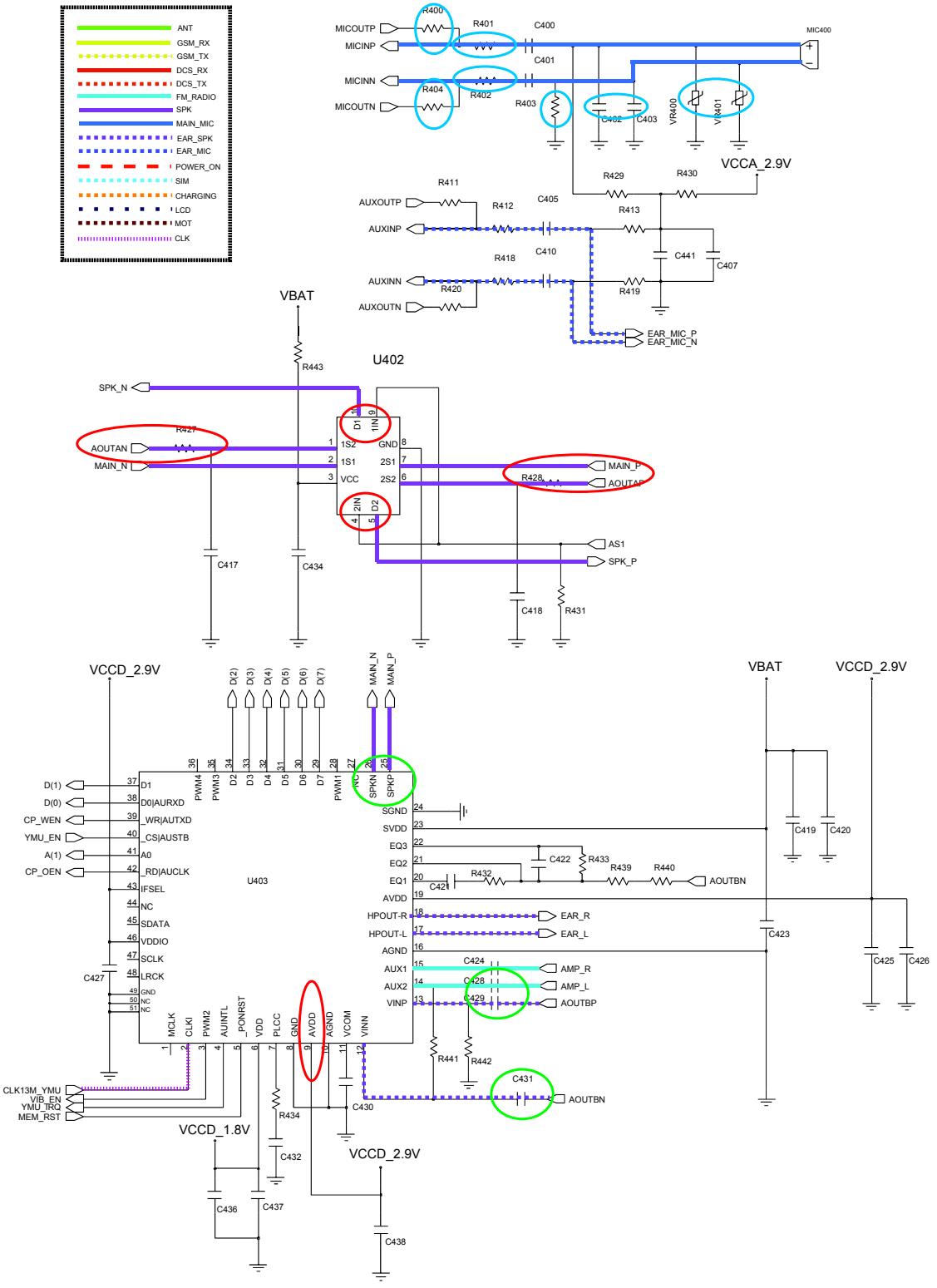
10-1-6. Receiver Part

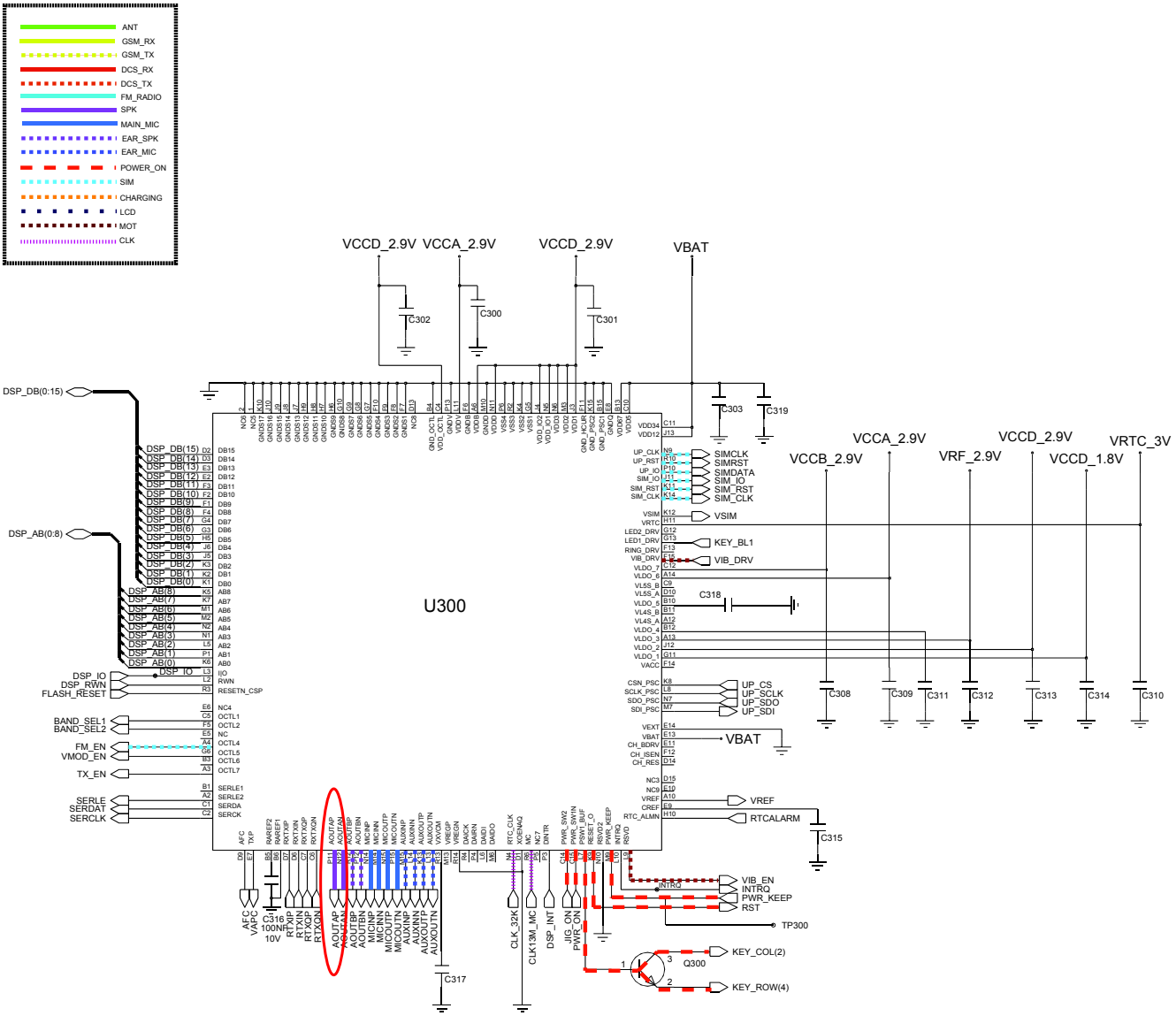


10-1-7. Speaker Part

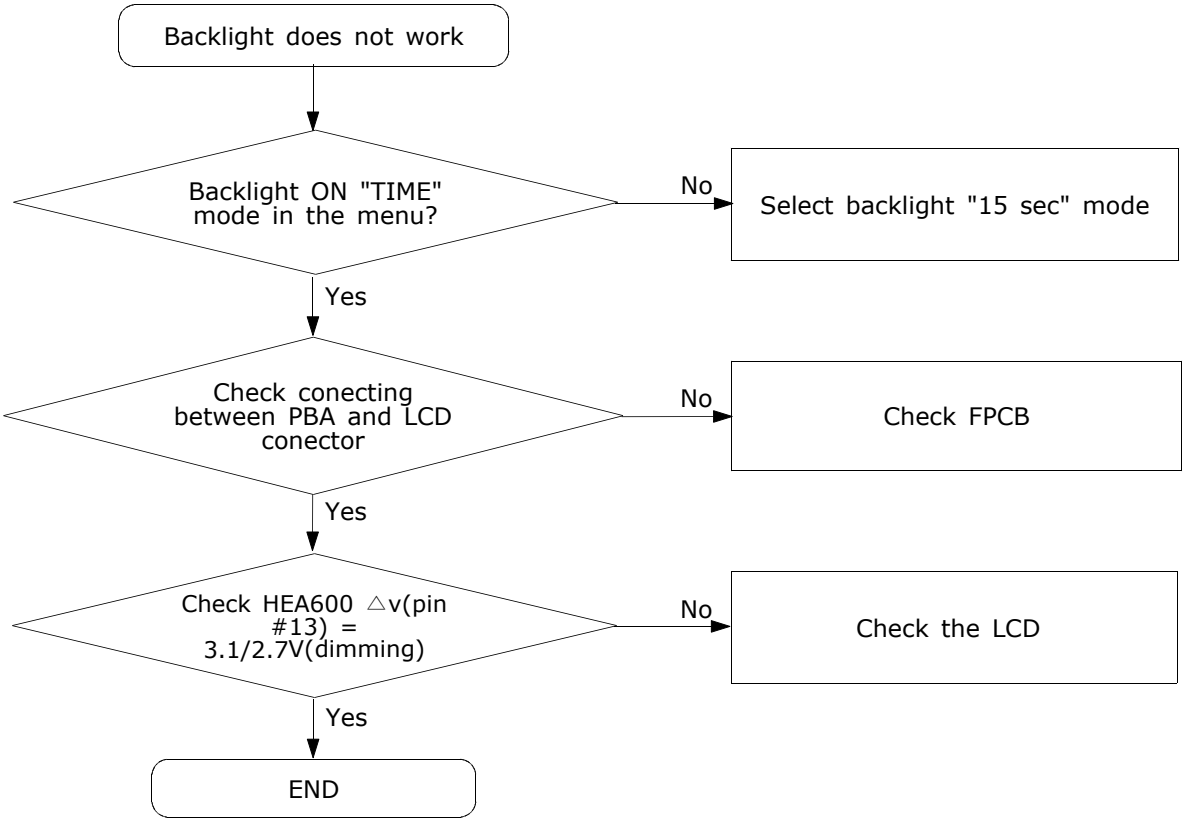




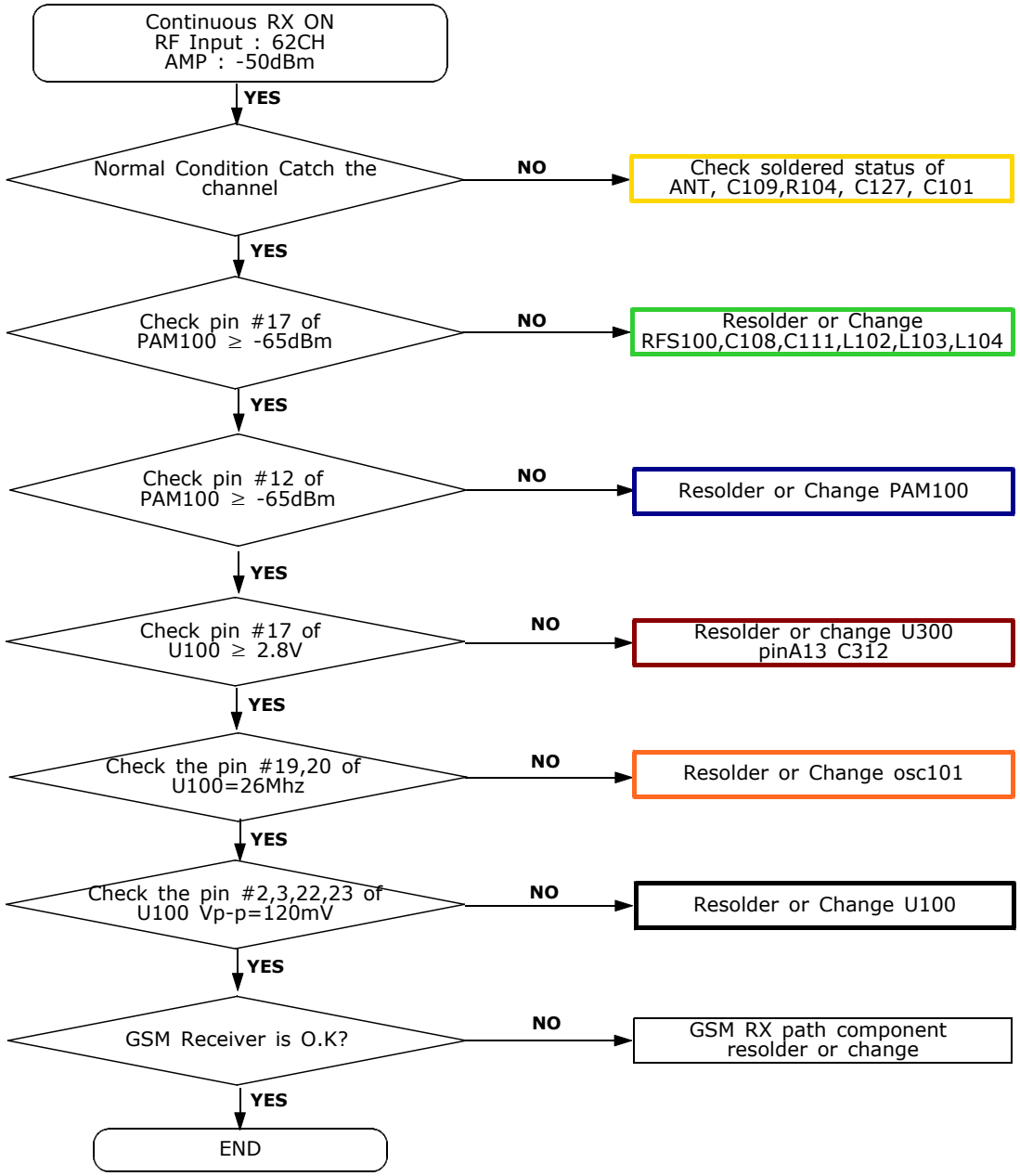




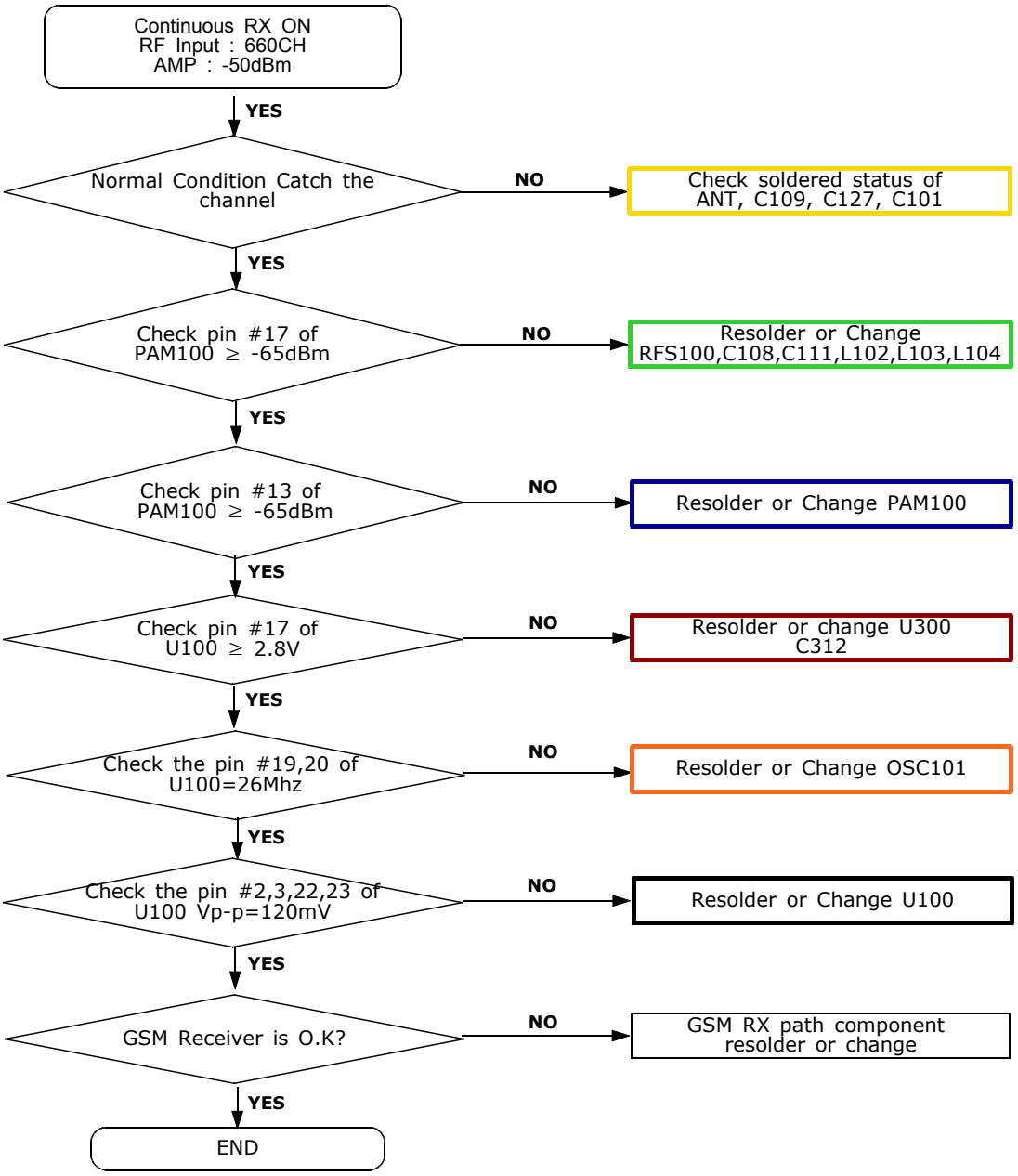
10-1-8. LCD



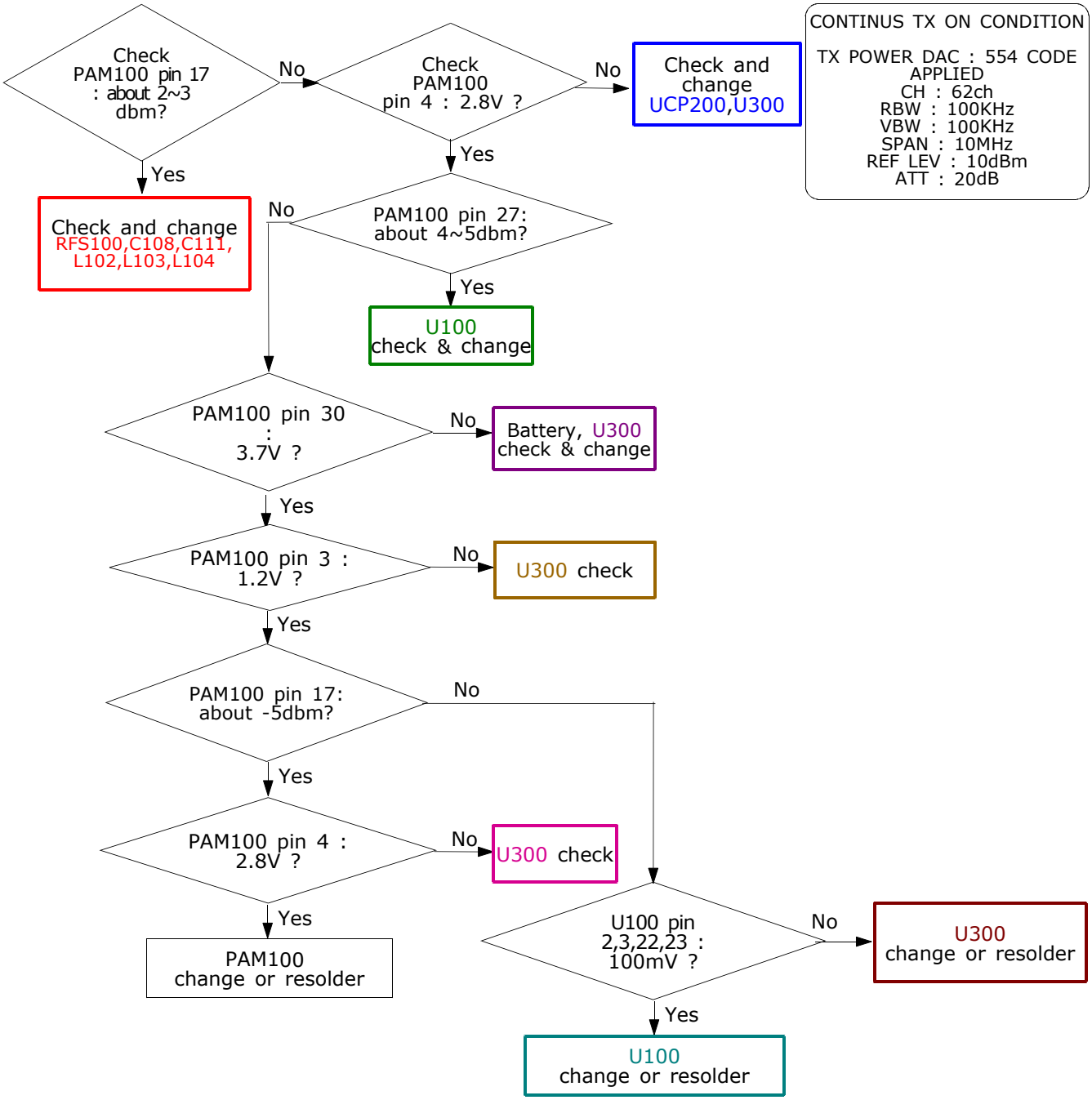
10-2.RF
10-2-1. EGSM Rx



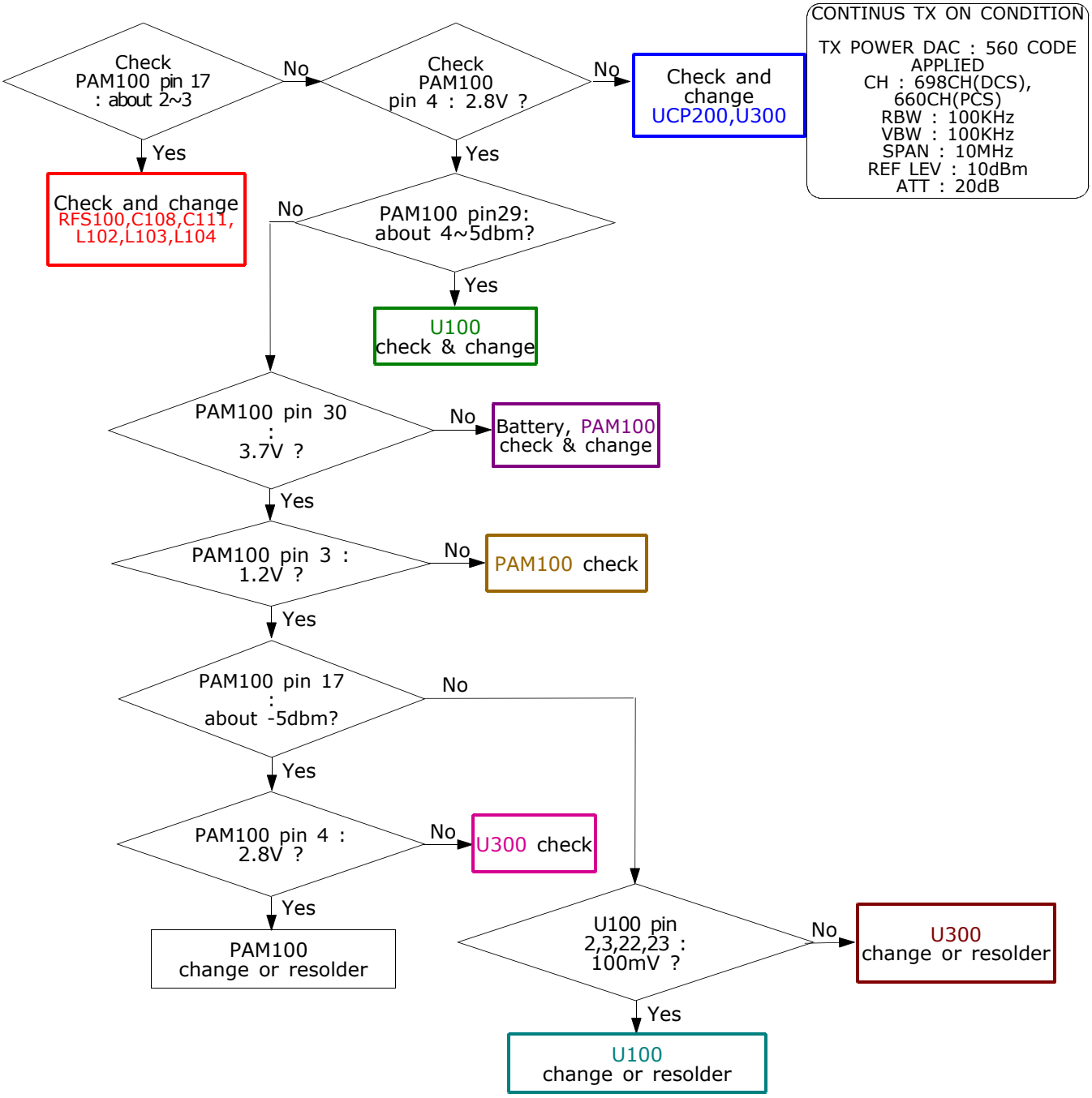
10-2-2. DCS Rx

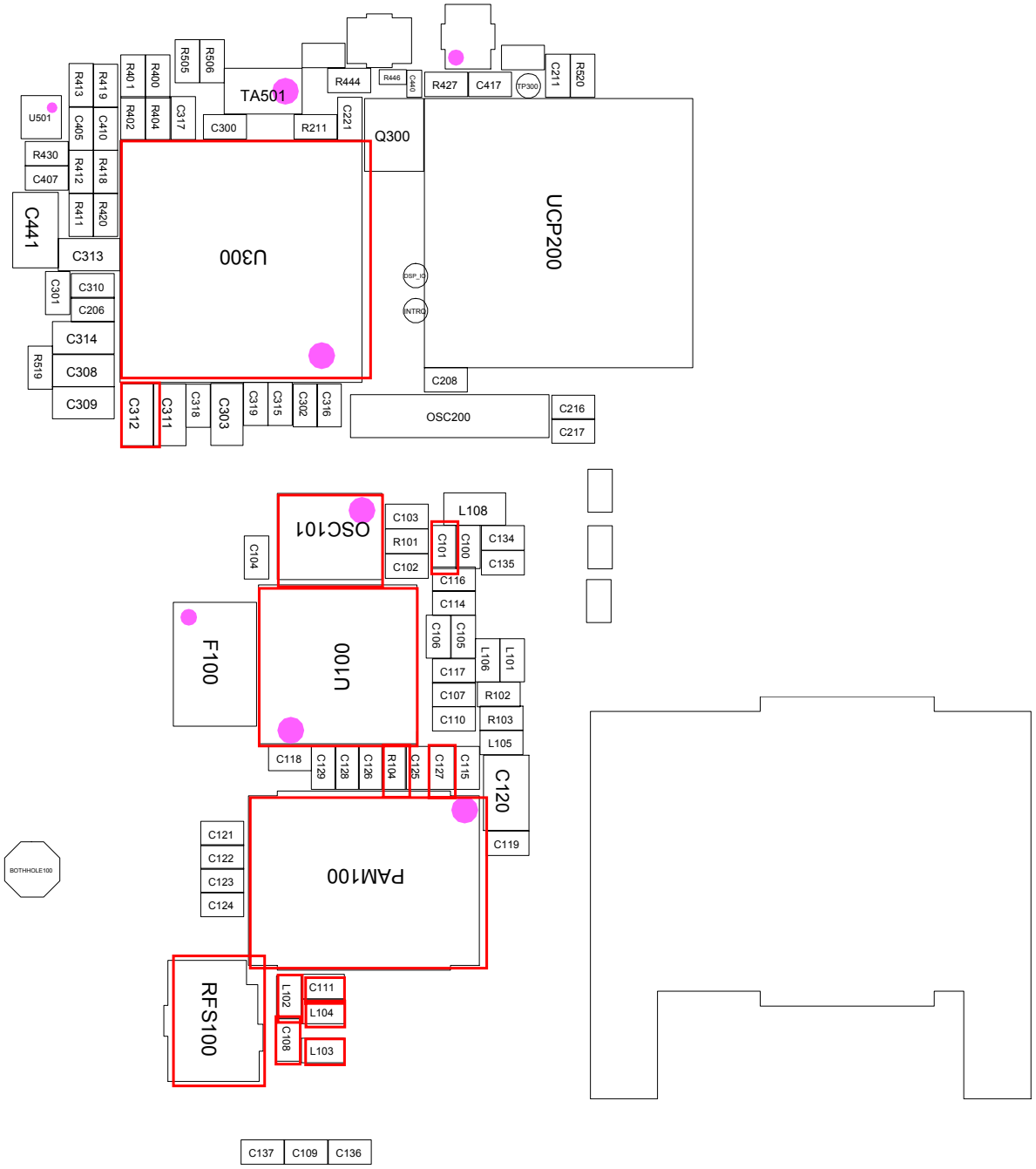


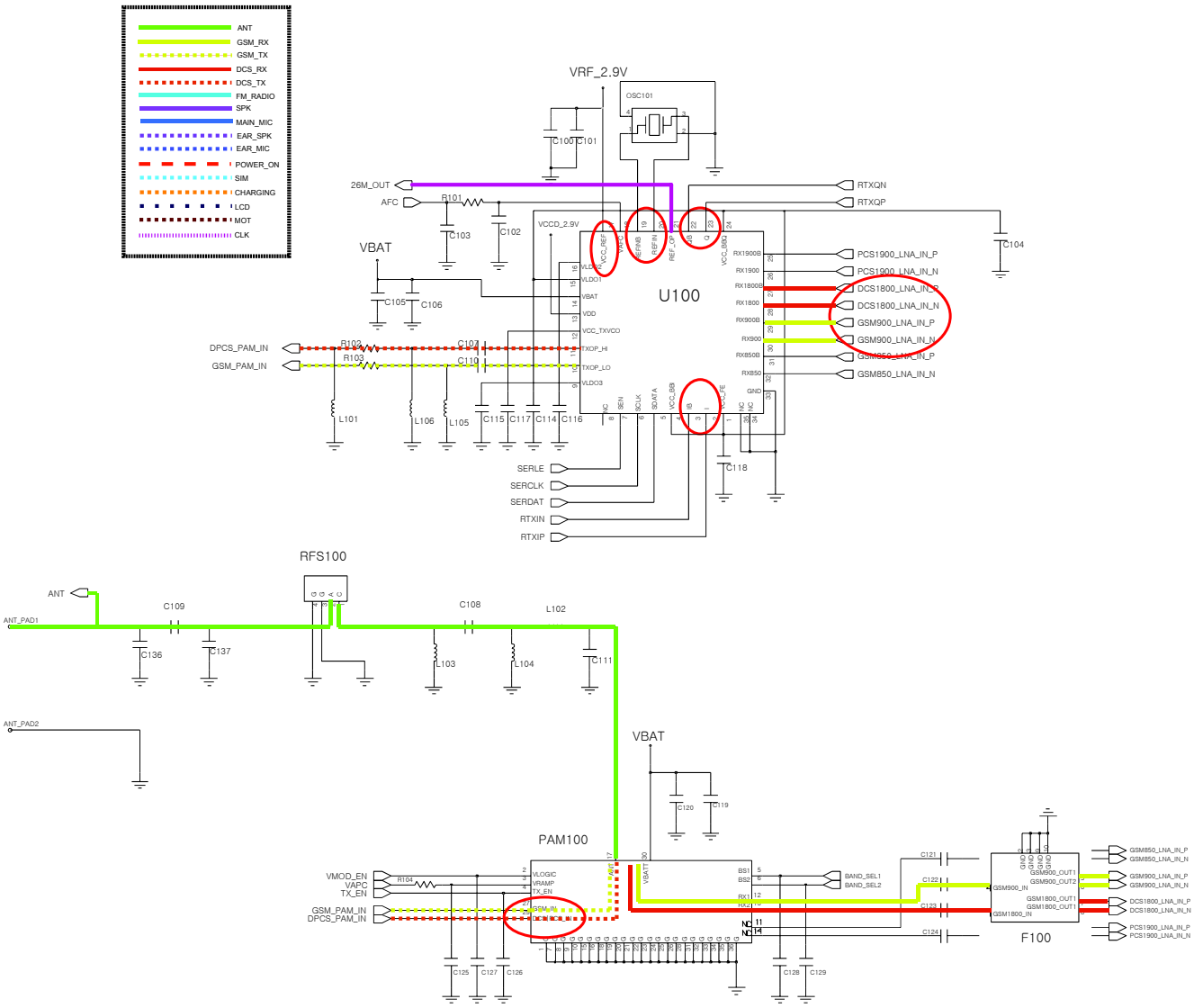
10-2-3. EGSM Tx



10-2-4. DCS Tx







4. Array course control

Test Jig (GH80-00865A)

Test Cable
(0.4M:GH39-00892A, 1.5M:GH39-00895A)

RF Test Cable (GH39-00985A)

Software Downloading

4-1. Downloading Binary Files

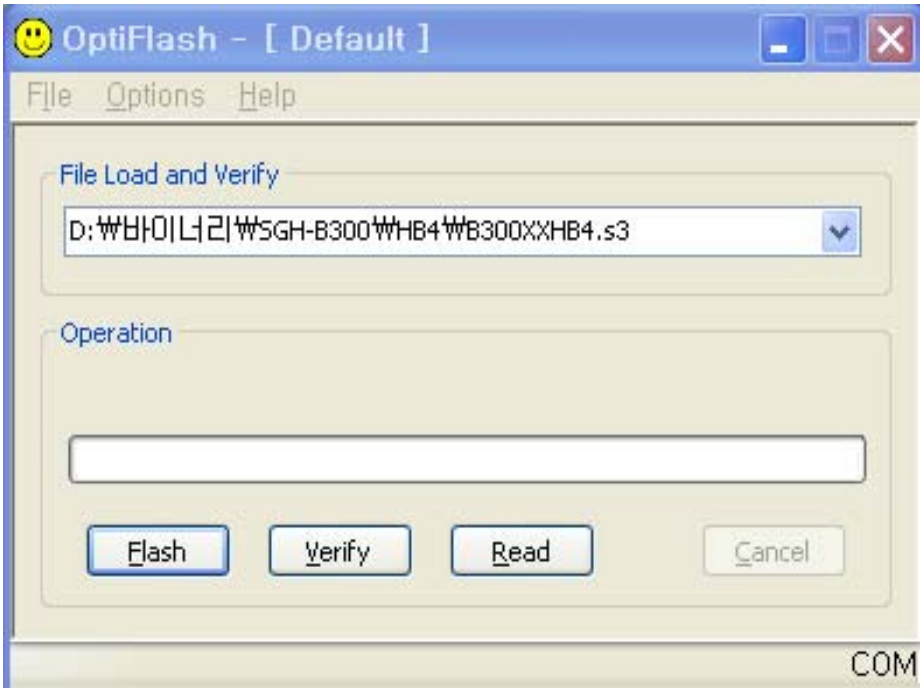
- Three binary files for downloading B300.
  – B300XXYY.s3 : Main source code binary.

4-2. Pre-requsite for Downloading

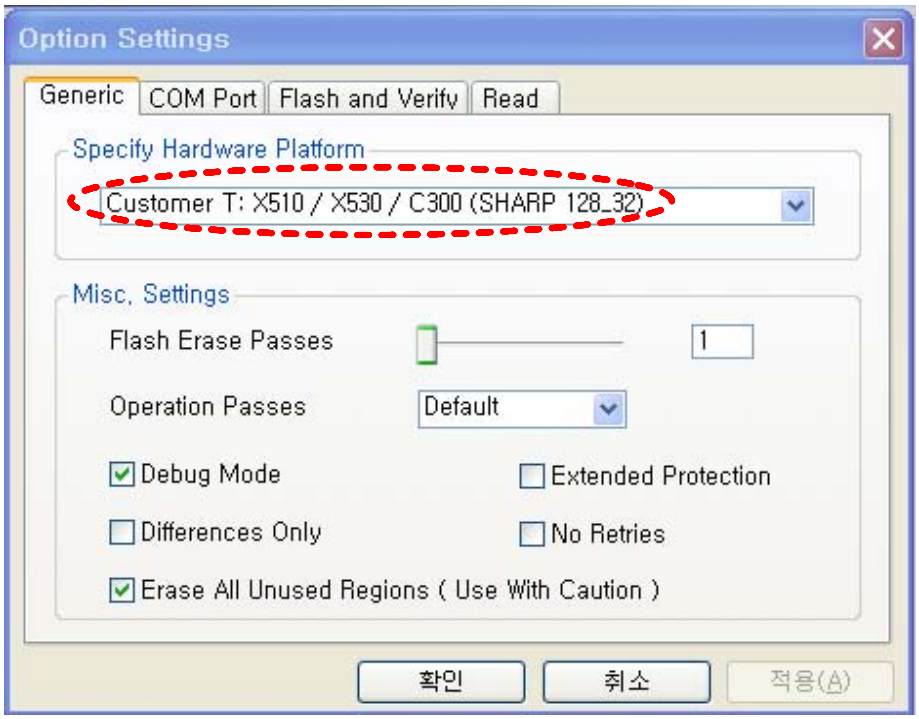
- Downloader Program(OptiFlash.exe)
- B300 Mobile Phone
- Data Cable
- Binary files

4-3. S/W Downloader Program

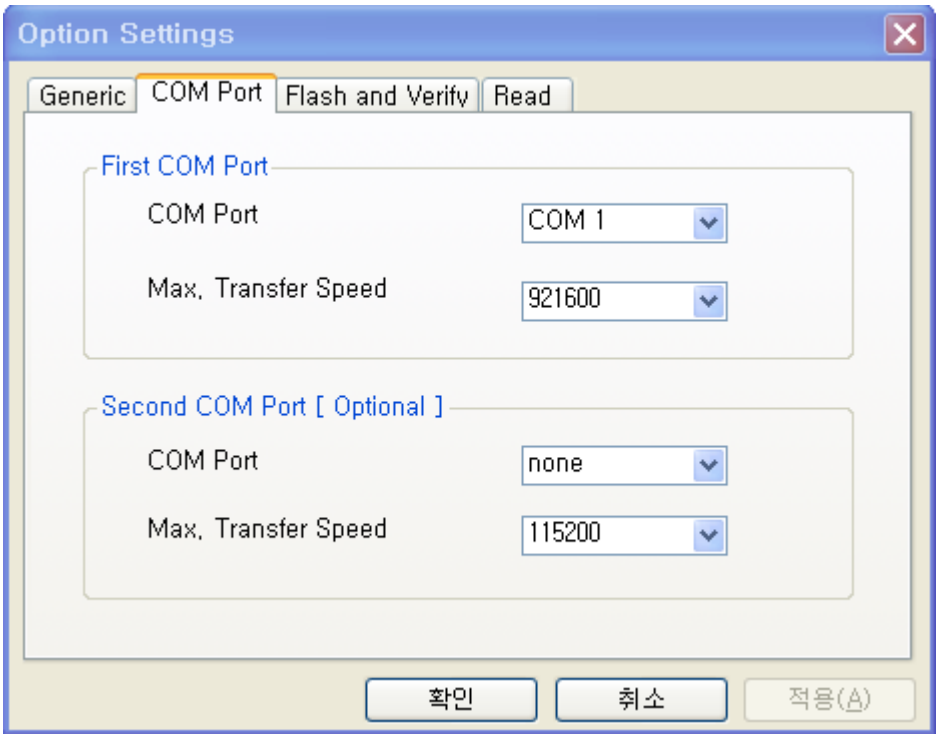
1. Load the binary download program by executing the "**OptiFlash.exe**"



2. Select the **"Options" -> "Settings" -> "Generic" -> "Specify hardware platform**". Choose hardware platform for the downloader file setting.
Set the everything else as the default values which are shown below



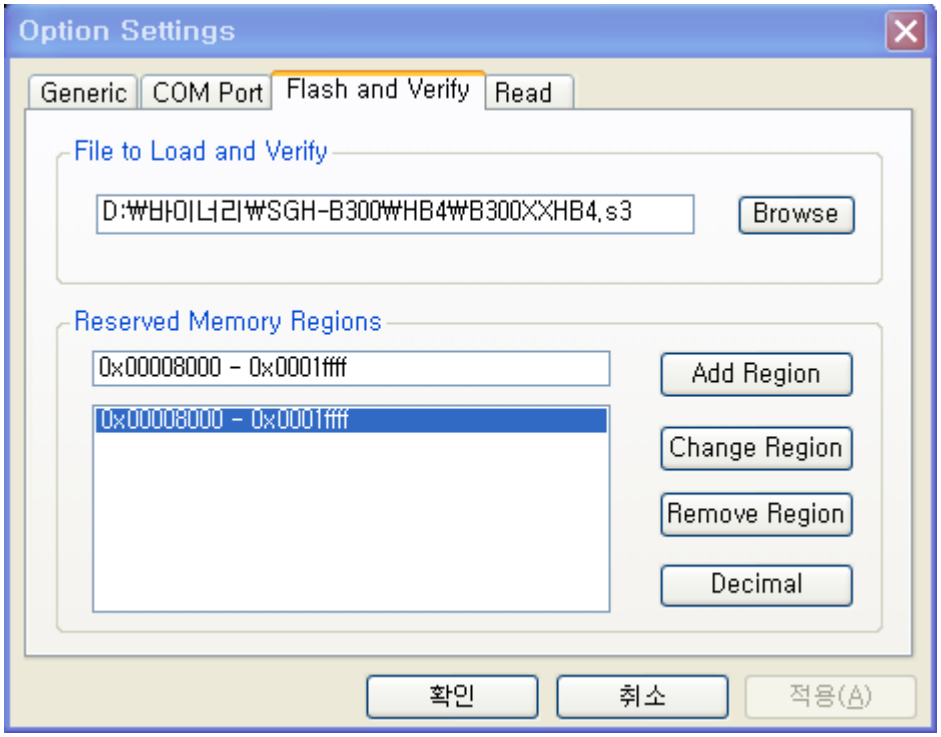
3. Select the **COM port** when the download cable is connected



Up to twelve ports are supported. Additionally you can select the maximum transfer speed OptiFlash will use to communicate with the phone. However, OptiFlash will use a slower speed if either the PC's or the phone's serial hardware is incapable of handling the selected speed

4. Select the“**Flash&Verify” -> “Browse**”

Set the directory path and choose the latest s/w binary, for example “B300XXYY.s3”, for the downloader binary setting.



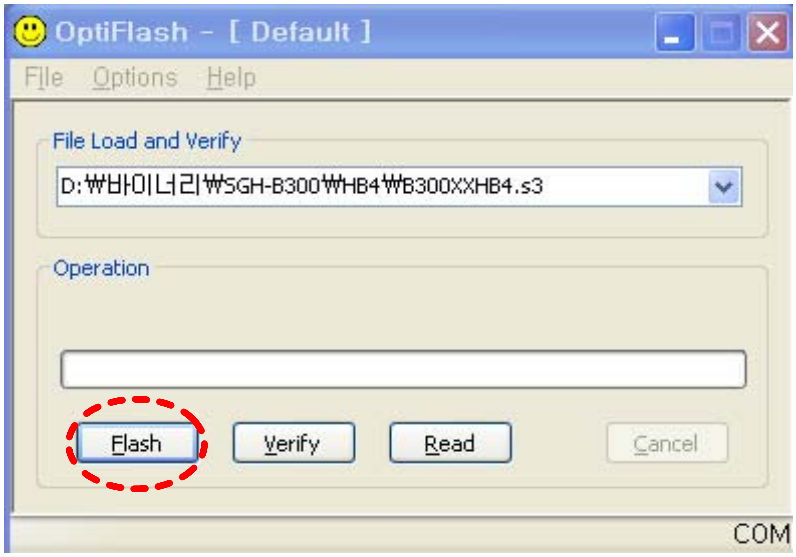
Make sure that not to change the reserved memory regions.

In case of B108 the reserved memory regions are :

-0x00008000 – 0x0001ffff

5. Click “**OK**” button then press “**Flash**”.
(Before pressing ‘Flash’ button, push the button **‘*’and ‘END’ at the same time**. Then press ‘Flash’.)

Downloader will upload the binary file as below for the downloading.



6. When downloading is finished successfully, there is a “All is well” message.

7. After finishing downloading, Certain memory resets should be done to guarantee the normal performance.

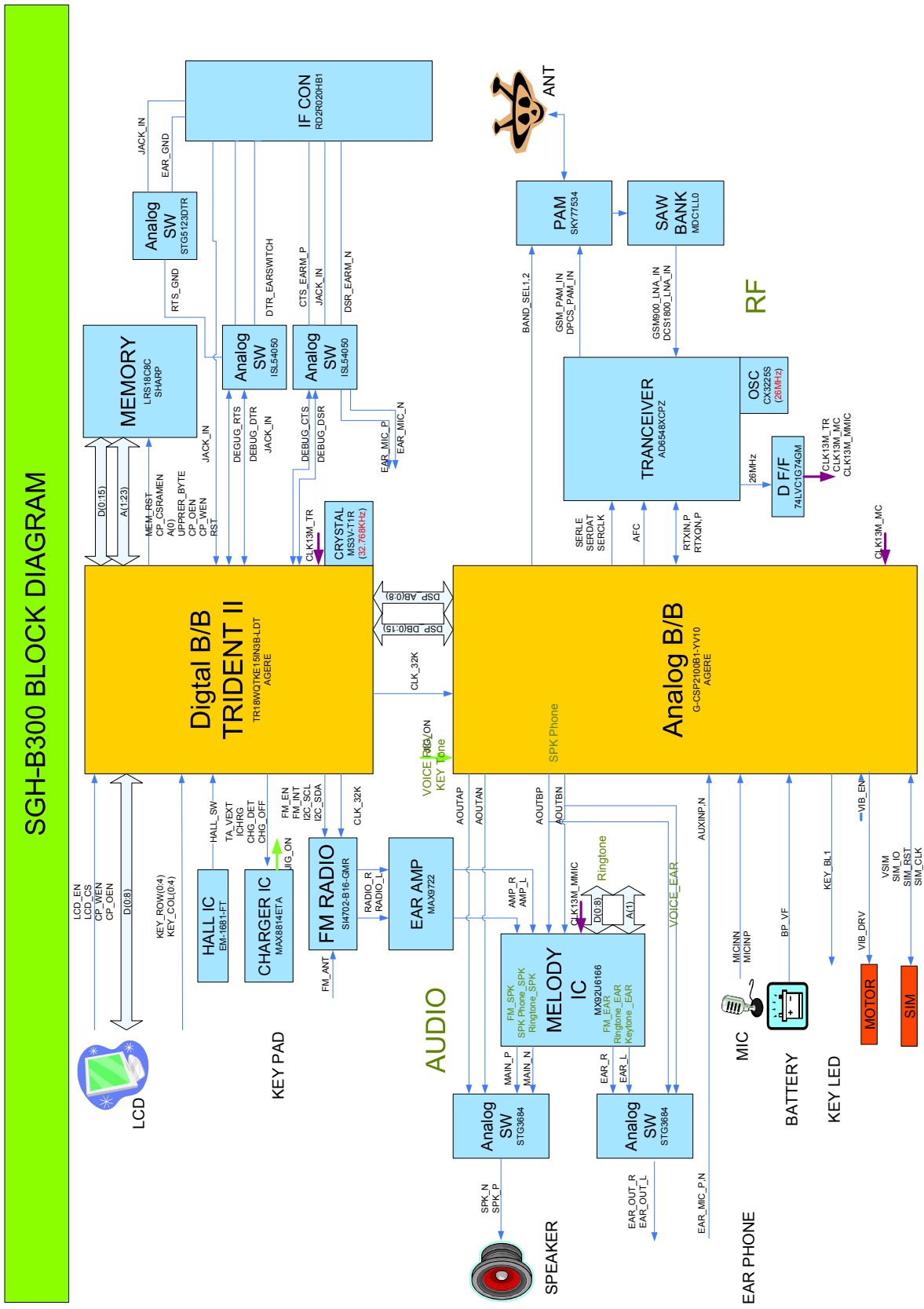
8. Confirm the downloaded version name and etc. :

***#1111#**

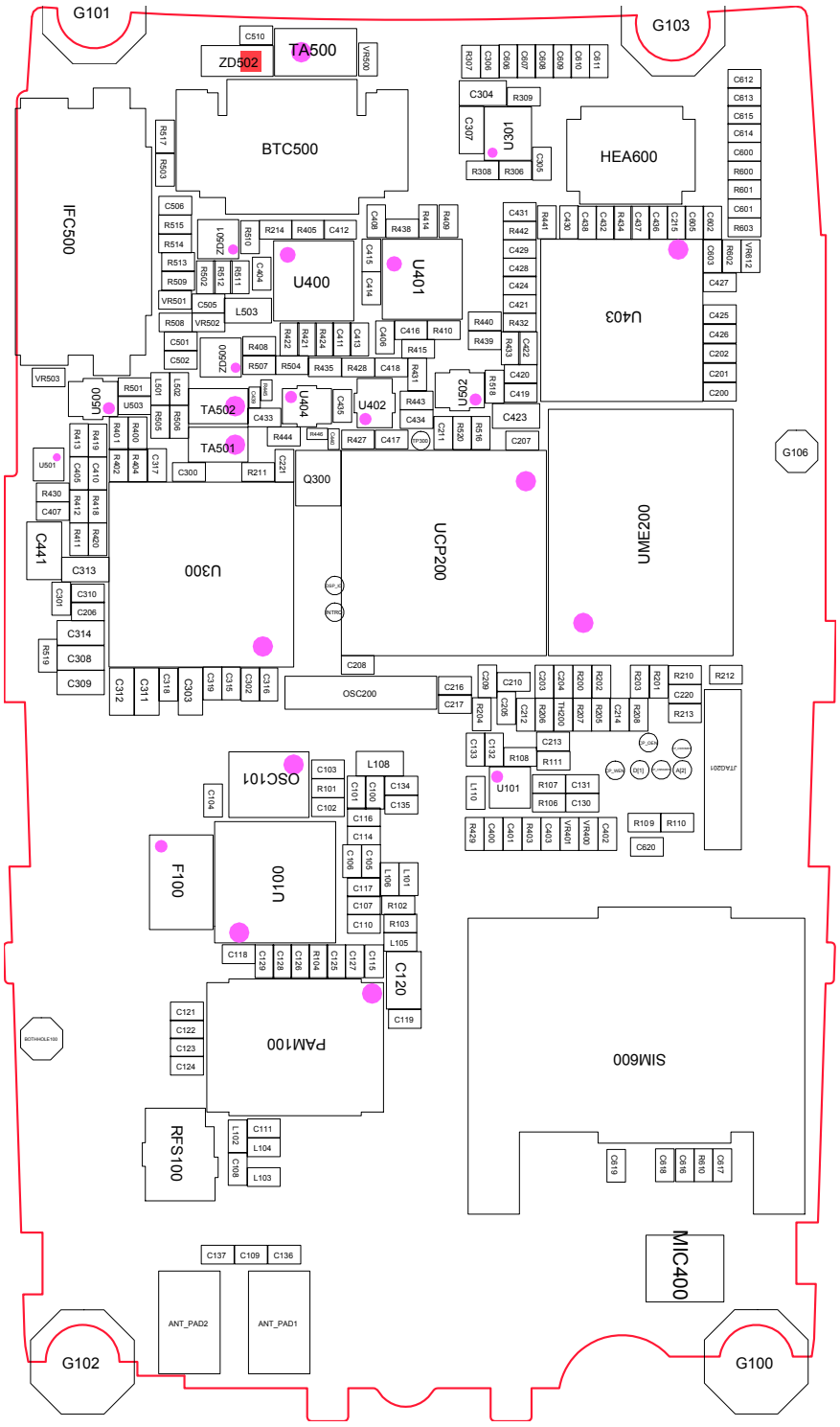
Full Reset :

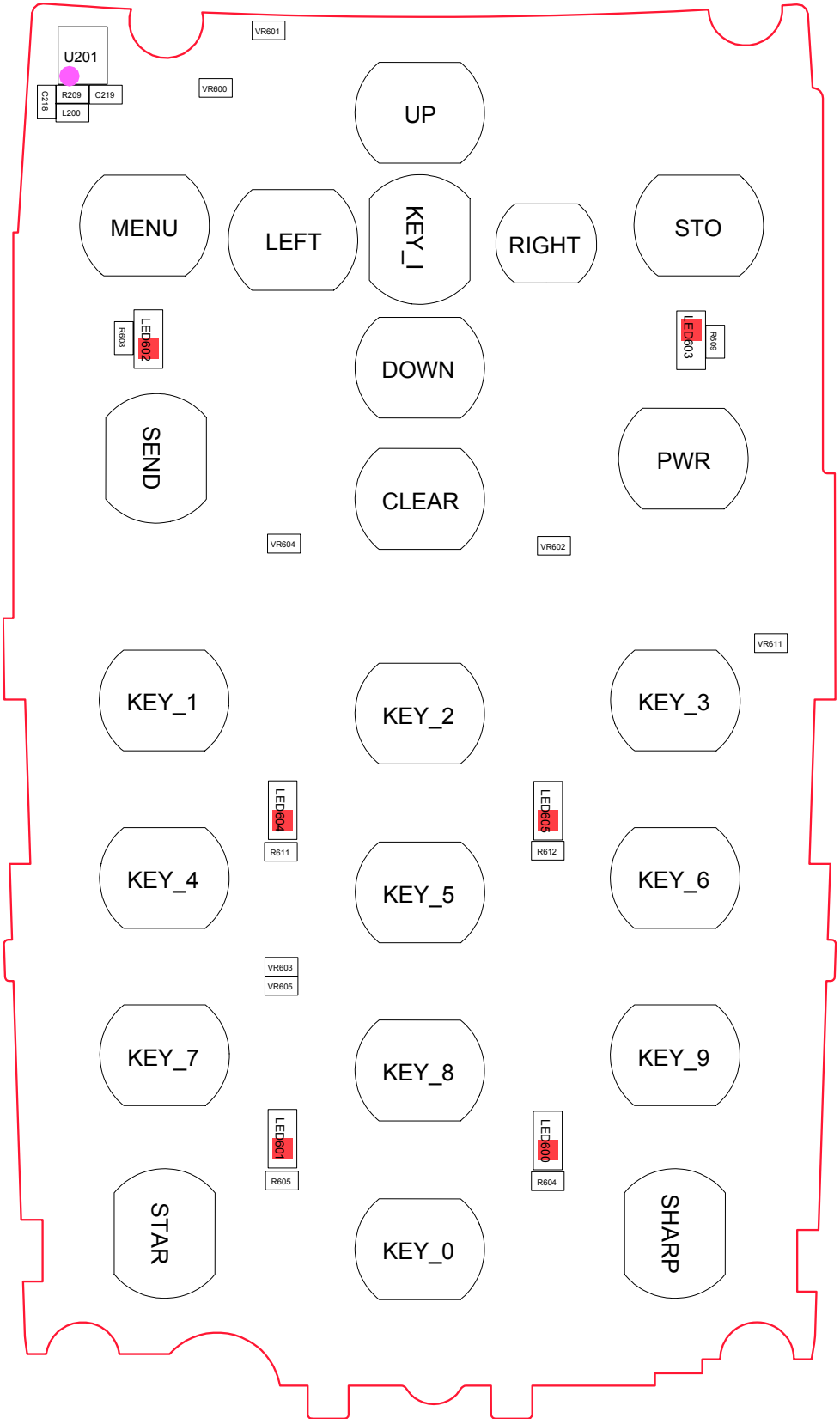
***2767*3855#**

8. Block Diagrams



9. PCB Diagrams





3. Product Function

Main Function

- Speed dial
- Phonebook memory status
- SDN(Service Dialling Numbers)
- Network services
- Read SMS or MMS messages
- Send SMS or MMS messages
- Voicemail
- Broadcast message
- MMS profile
- Wap browser
- FM Radio
- Java Games
- Menu shortcuts

11. Reference data

11-1. Reference Abbreviate

AAC: Advanced Audio Coding.
AVC : Advanced Video Coding.
BER : Bit Error Rate
BPSK: Binary Phase Shift Keying
CA : Conditional Access
CDM : Code Division Multiplexing
C/I : Carrier to Interference
DMB : Digital Multimedia Broadcasting
EN **:** European Standard
ES **:** Elementary Stream
ETSI: European Telecommunications Standards Institute
MPEG: Moving Picture Experts Group
PN : Pseudo-random Noise
PS : Pilot Symbol
QPSK: Quadrature Phase Shift Keying
RS : Reed-Solomon
SI : Service Information
TDM : Time Division Multiplexing
TS **:** Transport Stream

1. Safety Precautions

1-1. Repair Precaution

- Repair in Shield Box, during detailed tuning.
  Take specially care of tuning or test,
  because specipicty 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 manetic 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 disassembing 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 easilly 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.

6. MAIN Electrical Parts List

SEC CODE	Design LOC	Discription
0403-001547	**ZD502**	**DIODE-ZENER**
0406-001241	**ZD500**	**DIODE-TVS**
0406-001241	**ZD501**	**DIODE-TVS**
0504-000168	**Q300**	**TR-DIGITAL**
0601-002361	**LED600**	**LED**
0601-002361	**LED601**	**LED**
0601-002361	**LED602**	**LED**
0601-002361	**LED603**	**LED**
0601-002361	**LED604**	**LED**
0601-002361	**LED605**	**LED**
0801-003206	**U101**	**IC-CMOS LOGIC**
1001-001428	**U402**	**IC-ANALOG MULTIPLEX**
1001-001428	**U404**	**IC-ANALOG MULTIPLEX**
1001-001428	**U500**	**IC-ANALOG MULTIPLEX**
1001-001428	**U502**	**IC-ANALOG MULTIPLEX**
1001-001488	**U501**	**IC-ANALOG SWITCH**
1009-001020	**U201**	**IC-HALL EFFECT S/W**
1108-000111	**UME200**	**IC-MCP**
1201-002180	**U401**	**IC-AUDIO AMP**
1201-002731	**PAM100**	**IC-POWER AMP**
1203-003897	**U300**	**IC-POWER SUPERVISOR**
1203-005005	**U301**	**IC-BATTERY**
1204-002700	**U400**	**IC-TUNER**
1204-002783	**U403**	**IC-SOUND GENERATOR**
1205-003098	**U100**	**IC-TRANSCEIVER**
1205-003412	**UCP200**	**IC-MODEM**
1404-001165	**TH200**	**THERMISTOR-NTC**
1405-001082	**VR500**	**VARISTOR**
1405-001082	**VR501**	**VARISTOR**
1405-001082	**VR502**	**VARISTOR**
1405-001082	**VR503**	**VARISTOR**
1405-001082	**VR601**	**VARISTOR**
1405-001082	**VR602**	**VARISTOR**
1405-001082	**VR603**	**VARISTOR**
1405-001082	**VR604**	**VARISTOR**
1405-001082	**VR612**	**VARISTOR**
1405-001108	**VR600**	**VARISTOR**

SEC CODE	Design LOC	Discription
1405-001108	**VR605**	**VARISTOR**
1405-001121	**VR200**	**VARISTOR**
1405-001200	**VR400**	**VARISTOR**
1405-001200	**VR401**	**VARISTOR**
2007-000138	**R443**	**R-CHIP**
2007-000138	**R444**	**R-CHIP**
2007-000138	**R501**	**R-CHIP**
2007-000138	**R518**	**R-CHIP**
2007-000140	**R507**	**R-CHIP**
2007-000140	**R508**	**R-CHIP**
2007-000140	**R509**	**R-CHIP**
2007-000140	**R510**	**R-CHIP**
2007-000140	**R511**	**R-CHIP**
2007-000140	**R513**	**R-CHIP**
2007-000140	**R514**	**R-CHIP**
2007-000140	**R515**	**R-CHIP**
2007-000143	**R421**	**R-CHIP**
2007-000143	**R422**	**R-CHIP**
2007-000148	**R101**	**R-CHIP**
2007-000148	**R104**	**R-CHIP**
2007-000148	**R306**	**R-CHIP**
2007-000148	**R307**	**R-CHIP**
2007-000151	**R414**	**R-CHIP**
2007-000151	**R415**	**R-CHIP**
2007-000156	**R409**	**R-CHIP**
2007-000156	**R410**	**R-CHIP**
2007-000157	**R201**	**R-CHIP**
2007-000157	**R203**	**R-CHIP**
2007-000157	**R309**	**R-CHIP**
2007-000157	**R431**	**R-CHIP**
2007-000157	**R435**	**R-CHIP**
2007-000157	**R438**	**R-CHIP**
2007-000157	**R512**	**R-CHIP**
2007-000157	**R600**	**R-CHIP**
2007-000160	**R433**	**R-CHIP**
2007-000161	**R400**	**R-CHIP**
2007-000161	**R404**	**R-CHIP**

SEC CODE	Design LOC	Discription
2007-000161	**R411**	**R-CHIP**
2007-000161	**R420**	**R-CHIP**
2007-000162	**R202**	**R-CHIP**
2007-000162	**R204**	**R-CHIP**
2007-000162	**R209**	**R-CHIP**
2007-000162	**R405**	**R-CHIP**
2007-000162	**R408**	**R-CHIP**
2007-000162	**R503**	**R-CHIP**
2007-000162	**R504**	**R-CHIP**
2007-000162	**R516**	**R-CHIP**
2007-000162	**R520**	**R-CHIP**
2007-000170	**R108**	**R-CHIP**
2007-000170	**R111**	**R-CHIP**
2007-000171	**R214**	**R-CHIP**
2007-000171	**R424**	**R-CHIP**
2007-000171	**R519**	**R-CHIP**
2007-000172	**R210**	**R-CHIP**
2007-000172	**R211**	**R-CHIP**
2007-000775	**R432**	**R-CHIP**
2007-001119	**R406**	**R-CHIP**
2007-001119	**R430**	**R-CHIP**
2007-001217	**R103**	**R-CHIP**
2007-001284	**R200**	**R-CHIP**
2007-001284	**R610**	**R-CHIP**
2007-001288	**R604**	**R-CHIP**
2007-001288	**R605**	**R-CHIP**
2007-001288	**R608**	**R-CHIP**
2007-001288	**R609**	**R-CHIP**
2007-001288	**R611**	**R-CHIP**
2007-001288	**R612**	**R-CHIP**
2007-001291	**R427**	**R-CHIP**
2007-001291	**R428**	**R-CHIP**
2007-001292	**R505**	**R-CHIP**
2007-001292	**R506**	**R-CHIP**
2007-001308	**R107**	**R-CHIP**
2007-001325	**R308**	**R-CHIP**
2007-001325	**R434**	**R-CHIP**

SEC CODE	Design LOC	Discription
2007-001339	**R502**	**R-CHIP**
2007-002797	**R106**	**R-CHIP**
2007-007107	**R206**	**R-CHIP**
2007-007142	**R401**	**R-CHIP**
2007-007142	**R402**	**R-CHIP**
2007-007142	**R412**	**R-CHIP**
2007-007142	**R418**	**R-CHIP**
2007-007142	**R602**	**R-CHIP**
2007-007314	**R207**	**R-CHIP**
2007-007317	**R419**	**R-CHIP**
2007-007528	**R413**	**R-CHIP**
2007-007573	**R205**	**R-CHIP**
2007-007573	**R208**	**R-CHIP**
2007-008542	**R109**	**R-CHIP**
2007-009402	**R429**	**R-CHIP**
2007-009408	**R403**	**R-CHIP**
2203-000233	**C125**	**C-CER,CHIP**
2203-000233	**C215**	**C-CER,CHIP**
2203-000233	**C310**	**C-CER,CHIP**
2203-000233	**C404**	**C-CER,CHIP**
2203-000254	**C102**	**C-CER,CHIP**
2203-000254	**C105**	**C-CER,CHIP**
2203-000254	**C204**	**C-CER,CHIP**
2203-000254	**C207**	**C-CER,CHIP**
2203-000254	**C209**	**C-CER,CHIP**
2203-000254	**C210**	**C-CER,CHIP**
2203-000254	**C212**	**C-CER,CHIP**
2203-000254	**C221**	**C-CER,CHIP**
2203-000254	**C300**	**C-CER,CHIP**
2203-000254	**C302**	**C-CER,CHIP**
2203-000254	**C305**	**C-CER,CHIP**
2203-000278	**C122**	**C-CER,CHIP**
2203-000359	**C422**	**C-CER,CHIP**
2203-000386	**C130**	**C-CER,CHIP**
2203-000425	**C123**	**C-CER,CHIP**
2203-000425	**C216**	**C-CER,CHIP**
2203-000425	**C217**	**C-CER,CHIP**

SEC CODE	Design LOC	Discription
2203-000438	**C134**	**C-CER,CHIP**
2203-000438	**C306**	**C-CER,CHIP**
2203-000438	**C432**	**C-CER,CHIP**
2203-000627	**C135**	**C-CER,CHIP**
2203-000679	**C131**	**C-CER,CHIP**
2203-000679	**C203**	**C-CER,CHIP**
2203-000812	**C126**	**C-CER,CHIP**
2203-000812	**C127**	**C-CER,CHIP**
2203-000812	**C128**	**C-CER,CHIP**
2203-000812	**C129**	**C-CER,CHIP**
2203-000812	**C133**	**C-CER,CHIP**
2203-000812	**C417**	**C-CER,CHIP**
2203-000812	**C418**	**C-CER,CHIP**
2203-000812	**C433**	**C-CER,CHIP**
2203-000812	**C435**	**C-CER,CHIP**
2203-000812	**C601**	**C-CER,CHIP**
2203-000812	**C602**	**C-CER,CHIP**
2203-000812	**C603**	**C-CER,CHIP**
2203-000812	**C606**	**C-CER,CHIP**
2203-000812	**C607**	**C-CER,CHIP**
2203-000812	**C608**	**C-CER,CHIP**
2203-000812	**C609**	**C-CER,CHIP**
2203-000812	**C610**	**C-CER,CHIP**
2203-000812	**C611**	**C-CER,CHIP**
2203-000812	**C612**	**C-CER,CHIP**
2203-000812	**C613**	**C-CER,CHIP**
2203-000812	**C614**	**C-CER,CHIP**
2203-000812	**C615**	**C-CER,CHIP**
2203-000812	**C618**	**C-CER,CHIP**
2203-000812	**C619**	**C-CER,CHIP**
2203-000854	**C100**	**C-CER,CHIP**
2203-000854	**C103**	**C-CER,CHIP**
2203-000854	**C104**	**C-CER,CHIP**
2203-000940	**C616**	**C-CER,CHIP**
2203-000995	**C108**	**C-CER,CHIP**
2203-000995	**C110**	**C-CER,CHIP**
2203-000995	**C219**	**C-CER,CHIP**

SEC CODE	Design LOC	Discription
2203-000995	**C501**	**C-CER,CHIP**
2203-000995	**C502**	**C-CER,CHIP**
2203-002668	**C107**	**C-CER,CHIP**
2203-005052	**C113**	**C-CER,CHIP**
2203-005056	**C109**	**C-CER,CHIP**
2203-005065	**C308**	**C-CER,CHIP**
2203-005065	**C309**	**C-CER,CHIP**
2203-005065	**C311**	**C-CER,CHIP**
2203-005065	**C313**	**C-CER,CHIP**
2203-005281	**C112**	**C-CER,CHIP**
2203-005482	**C101**	**C-CER,CHIP**
2203-005482	**C114**	**C-CER,CHIP**
2203-005482	**C117**	**C-CER,CHIP**
2203-005482	**C119**	**C-CER,CHIP**
2203-005482	**C200**	**C-CER,CHIP**
2203-005482	**C201**	**C-CER,CHIP**
2203-005482	**C202**	**C-CER,CHIP**
2203-005482	**C205**	**C-CER,CHIP**
2203-005482	**C214**	**C-CER,CHIP**
2203-005482	**C218**	**C-CER,CHIP**
2203-005482	**C301**	**C-CER,CHIP**
2203-005482	**C316**	**C-CER,CHIP**
2203-005482	**C411**	**C-CER,CHIP**
2203-005482	**C412**	**C-CER,CHIP**
2203-005482	**C413**	**C-CER,CHIP**
2203-005482	**C424**	**C-CER,CHIP**
2203-005482	**C427**	**C-CER,CHIP**
2203-005482	**C428**	**C-CER,CHIP**
2203-005482	**C429**	**C-CER,CHIP**
2203-005482	**C431**	**C-CER,CHIP**
2203-005482	**C436**	**C-CER,CHIP**
2203-005482	**C503**	**C-CER,CHIP**
2203-005482	**C510**	**C-CER,CHIP**
2203-005482	**C600**	**C-CER,CHIP**
2203-005993	**C405**	**C-CER,CHIP**
2203-005993	**C410**	**C-CER,CHIP**
2203-006047	**C115**	**C-CER,CHIP**

SEC CODE	Design LOC	Discription
2203-006048	**C132**	**C-CER,CHIP**
2203-006048	**C419**	**C-CER,CHIP**
2203-006048	**C426**	**C-CER,CHIP**
2203-006123	**C402**	**C-CER,CHIP**
2203-006123	**C403**	**C-CER,CHIP**
2203-006137	**C206**	**C-CER,CHIP**
2203-006137	**C213**	**C-CER,CHIP**
2203-006137	**C315**	**C-CER,CHIP**
2203-006137	**C421**	**C-CER,CHIP**
2203-006137	**C505**	**C-CER,CHIP**
2203-006257	**C318**	**C-CER,CHIP**
2203-006257	**C420**	**C-CER,CHIP**
2203-006257	**C617**	**C-CER,CHIP**
2203-006260	**C116**	**C-CER,CHIP**
2203-006260	**C208**	**C-CER,CHIP**
2203-006260	**C211**	**C-CER,CHIP**
2203-006324	**C303**	**C-CER,CHIP**
2203-006324	**C304**	**C-CER,CHIP**
2203-006348	**C307**	**C-CER,CHIP**
2203-006361	**C120**	**C-CER,CHIP**
2203-006556	**C620**	**C-CER,CHIP**
2203-006562	**C317**	**C-CER,CHIP**
2203-006562	**C319**	**C-CER,CHIP**
2203-006562	**C406**	**C-CER,CHIP**
2203-006562	**C408**	**C-CER,CHIP**
2203-006562	**C414**	**C-CER,CHIP**
2203-006562	**C415**	**C-CER,CHIP**
2203-006562	**C416**	**C-CER,CHIP**
2203-006562	**C430**	**C-CER,CHIP**
2203-006562	**C434**	**C-CER,CHIP**
2203-006562	**C437**	**C-CER,CHIP**
2203-006562	**C506**	**C-CER,CHIP**
2203-006626	**C106**	**C-CER,CHIP**
2203-006824	**C312**	**C-CER,CHIP**
2203-006824	**C314**	**C-CER,CHIP**
2203-006824	**C423**	**C-CER,CHIP**
2203-006841	**C605**	**C-CER,CHIP**

SEC CODE	Design LOC	Discription
2203-006872	**C425**	**C-CER,CHIP**
2203-006872	**C438**	**C-CER,CHIP**
2203-007143	**C400**	**C-CER,CHIP**
2203-007143	**C401**	**C-CER,CHIP**
2404-001393	**TA501**	**C-TA,CHIP**
2404-001393	**TA502**	**C-TA,CHIP**
2404-001406	**TA500**	**C-TA,CHIP**
2703-001236	**L108**	**INDUCTOR-SMD**
2703-001751	**L106**	**INDUCTOR-SMD**
2703-002178	**L503**	**INDUCTOR-SMD**
2703-002208	**L102**	**INDUCTOR-SMD**
2703-002269	**L103**	**INDUCTOR-SMD**
2801-004353	**OSC200**	**CRYSTAL-SMD**
2801-004689	**OSC101**	**CRYSTAL-SMD**
2904-001811	**F100**	**FILTER-SAW**
3301-001342	**L110**	**BEAD-SMD**
3301-001885	**L200**	**BEAD-SMD**
3301-001885	**L501**	**BEAD-SMD**
3301-001885	**L502**	**BEAD-SMD**
3705-001503	**RFS100**	**CONNECTOR-COAXIAL**
3709-001384	**SIM600**	**CONNECTOR-CARD EDGE**
3710-002499	**IFC500**	**SOCKET-INTERFACE**
3711-005954	**HEA600**	**HEADER-BOARD TO BOARD**
3711-006228	**BTC500**	**HEADER-BATTERY**

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