SAMSUNG

GSM TELEPHONE

GT-C3300K(C3303K Common)

SERVICE Manual

GSM TELEPHONE

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2010. 06. Rev.1.0

2. Specification

2-1. GSM General Specification

	GSM850 Phase 1	EGSM 900 Phase 2	DCS1800 Phase 1	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	5pcl ~ 19pcl	5pcl ~ 19pcl	0pcl ~ 15pcl	0pcl ~ 15pcl
Sensitivity	-102dBm	-102dBm	-100dBm	-100dBm
TDMA Mux	8	8	8	8
Cell Radius	35Km	35Km	2Km	2Km

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2-2. GSM Tx Power Class

TX Power control level	GSM850
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±3dBm
18	7±3 dBm
19	5±3 dBm

TX Power control level	EGSM900
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±3dBm
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

TX Power control level	PCS1900
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

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3. Product Function

Main Function

- 1.3 Mega Pixel (CMOS) Camera.
- 3.5pi Ear Jack, Micro USB connector
- Dual SPK
- EDGE / GPRS 850 / 900 / 1800 / 1900MHz
- QVGA 2.4 Inch 262K TFT Touch screen
- SMS/MMS/EMS (OMA v1.2)
- FM Intenna Radio
- MP3/AMR/AAC/WMA
- MicroSD Card Support (up to 8GB)
- External Memory
- Bluetooth v2.1
- Internet Browsing

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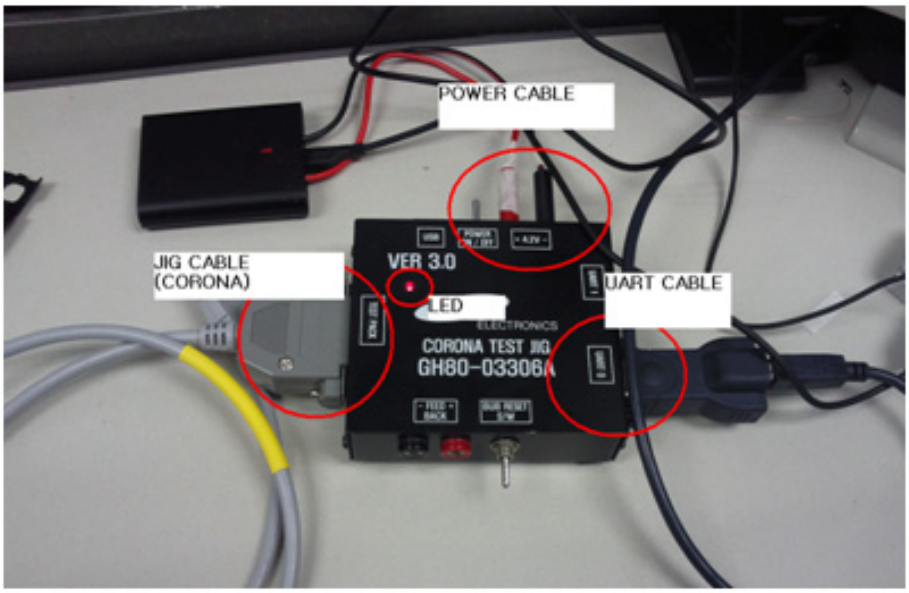
6. Level 1 Repair

6-1. Software Download

6-1-1. Pre-requisite for Download

- Downloader Program (Flash loader 7.4.4_SSG_v0.X)
- GT-C3300K Mobile Phone
- CORONA TEST JIG (GH80-03306A)
- JIG BOX (GH99-36900A)
- RF Test Cable (GH39-00985A)
- JIG Cable (GH39-01290A)
- Adapter (GH99-38251A)
- Binary files
- Power Supply



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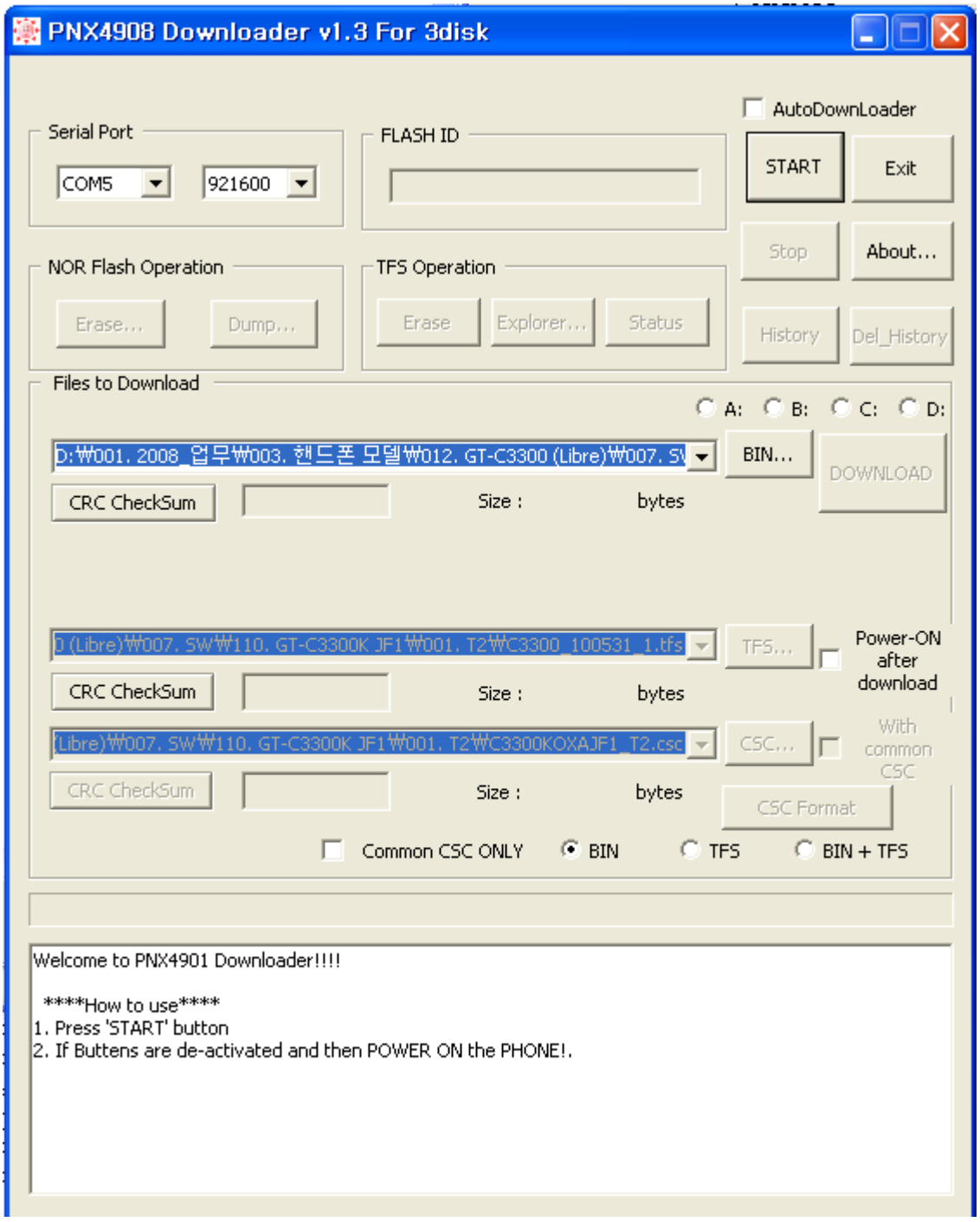
6-1-2. S/W Download Process

1. Load the binary download program by executing the"**PNX4908 Downloader v0.X For 3disk**"



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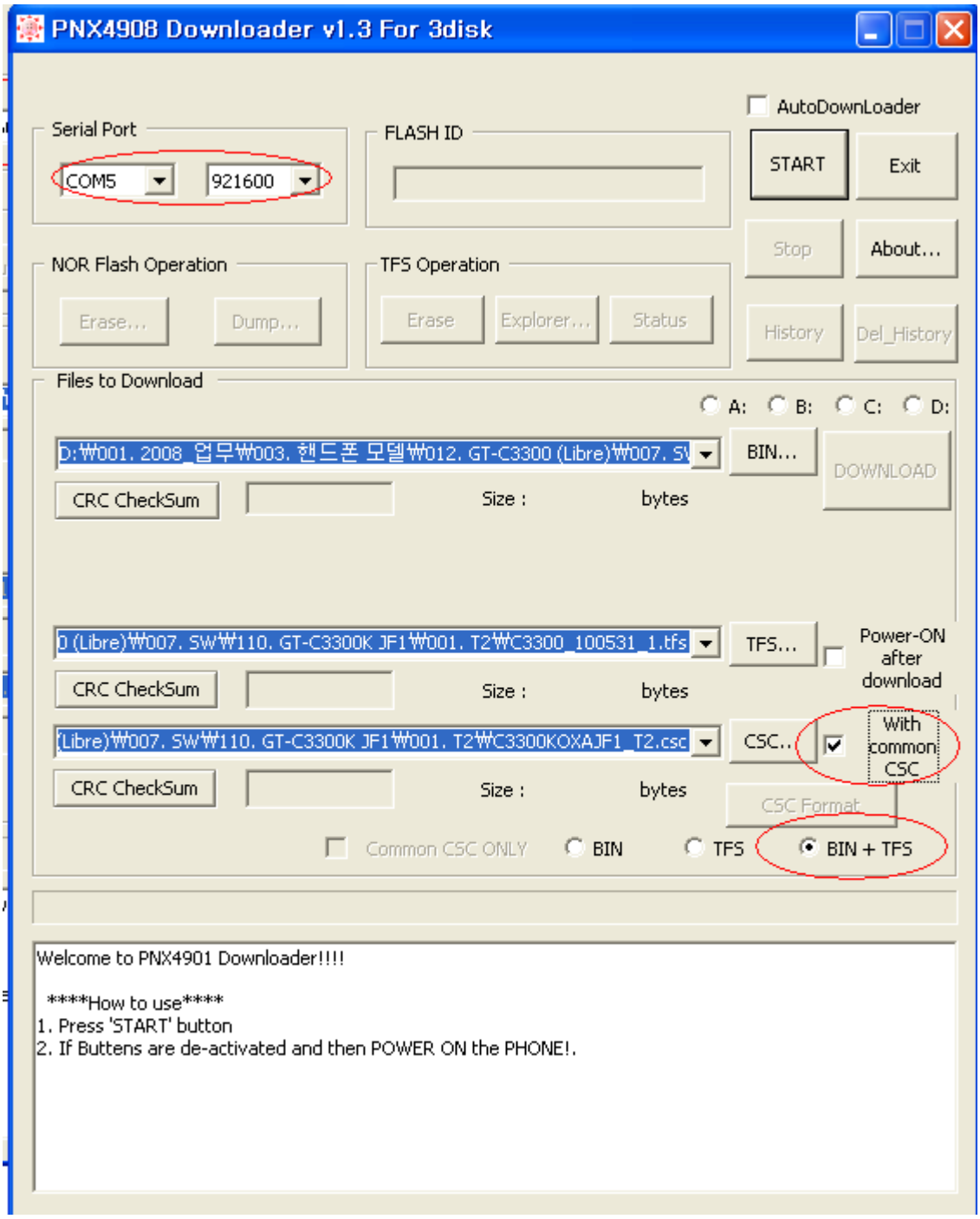
2. Set BuadRate (921600) And Com port.
   Check "BIN+TFS" and With Common CSC



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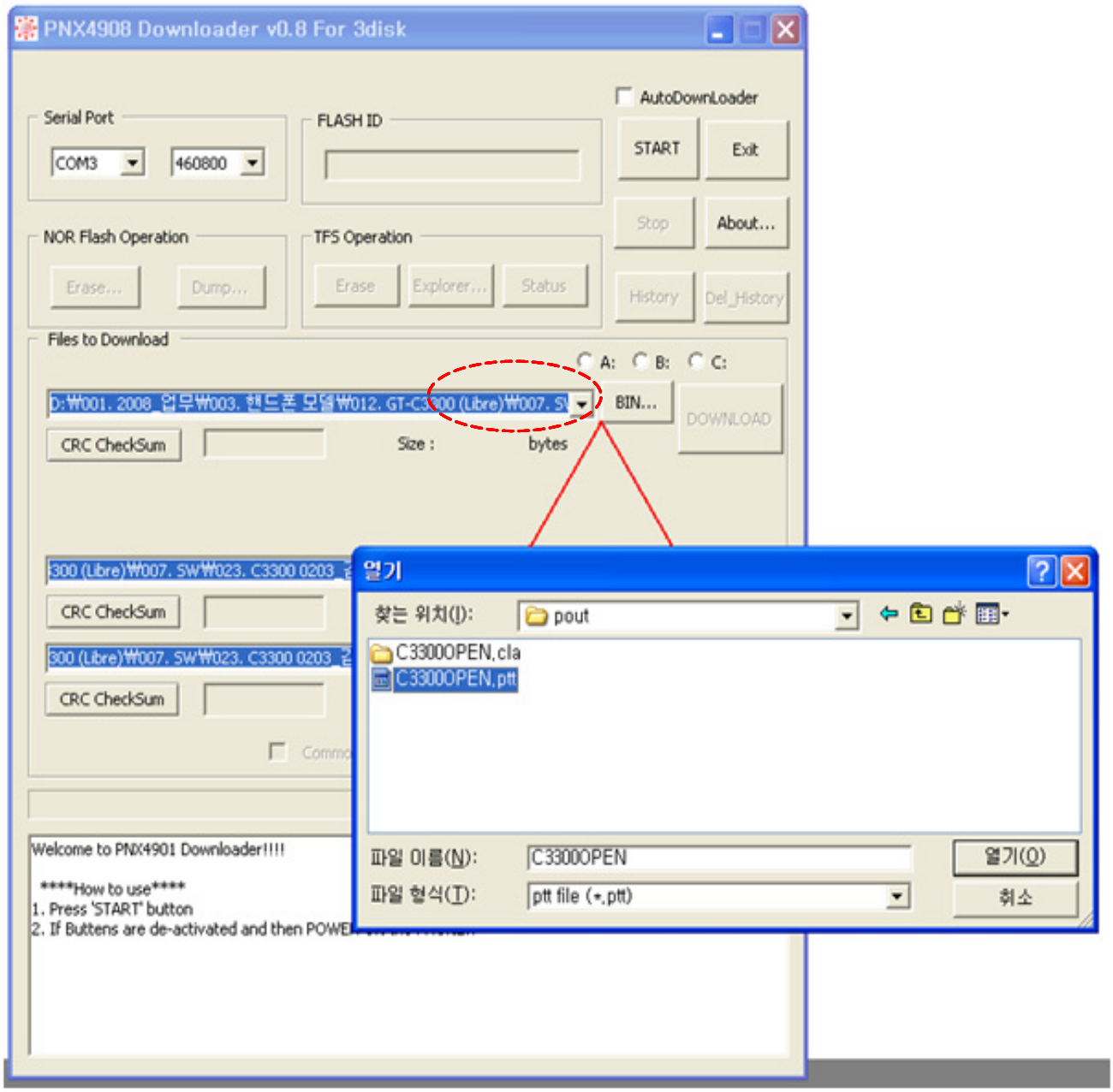
3. Select 'Binary', 'CSC' , 'TFS' file.
   - Binary file : *.ptt
   - CSC file : *.csc
   - TFS file : *.tfs



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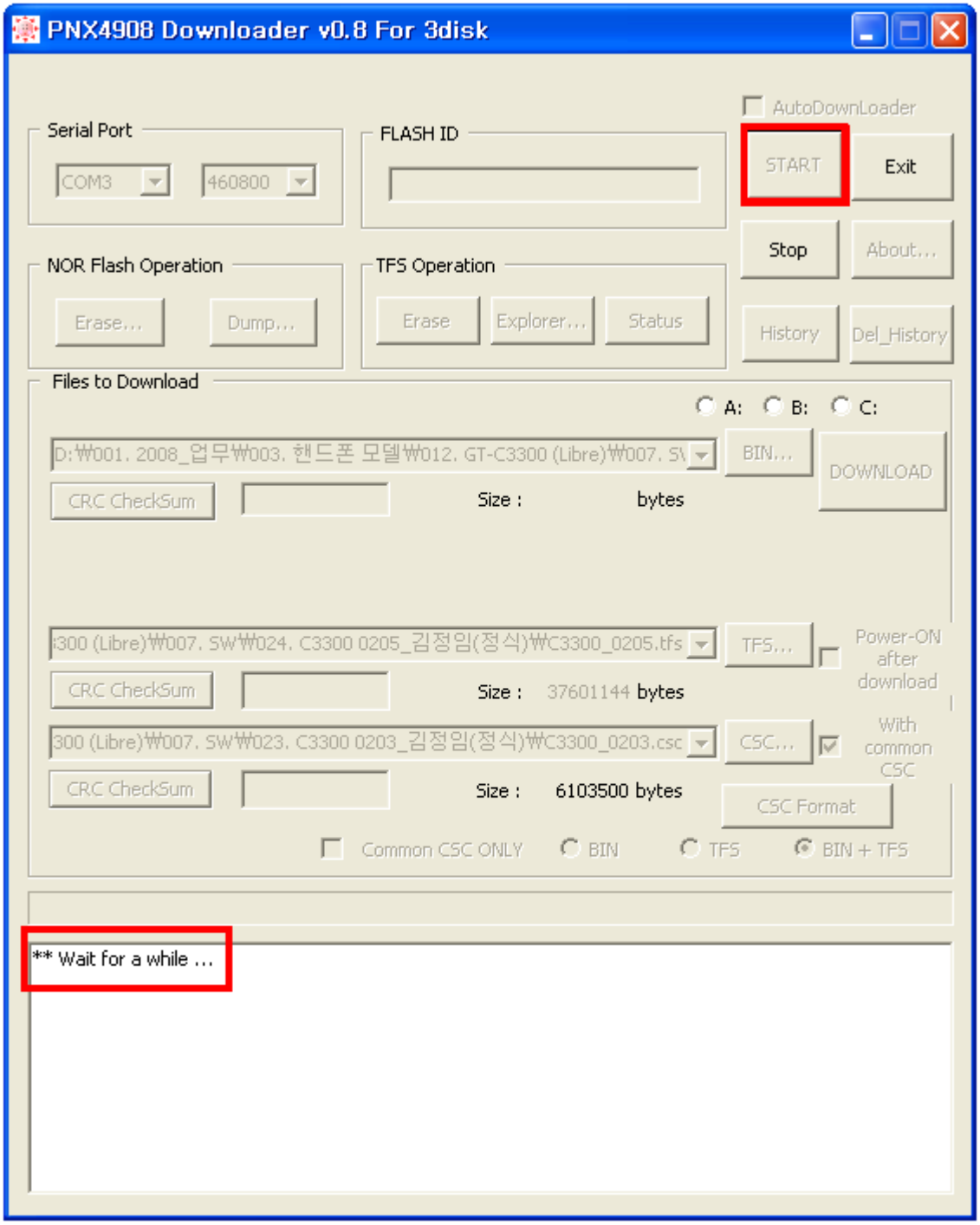
4. Click the "START". You will see **Wait for a while ..." command on window screen.



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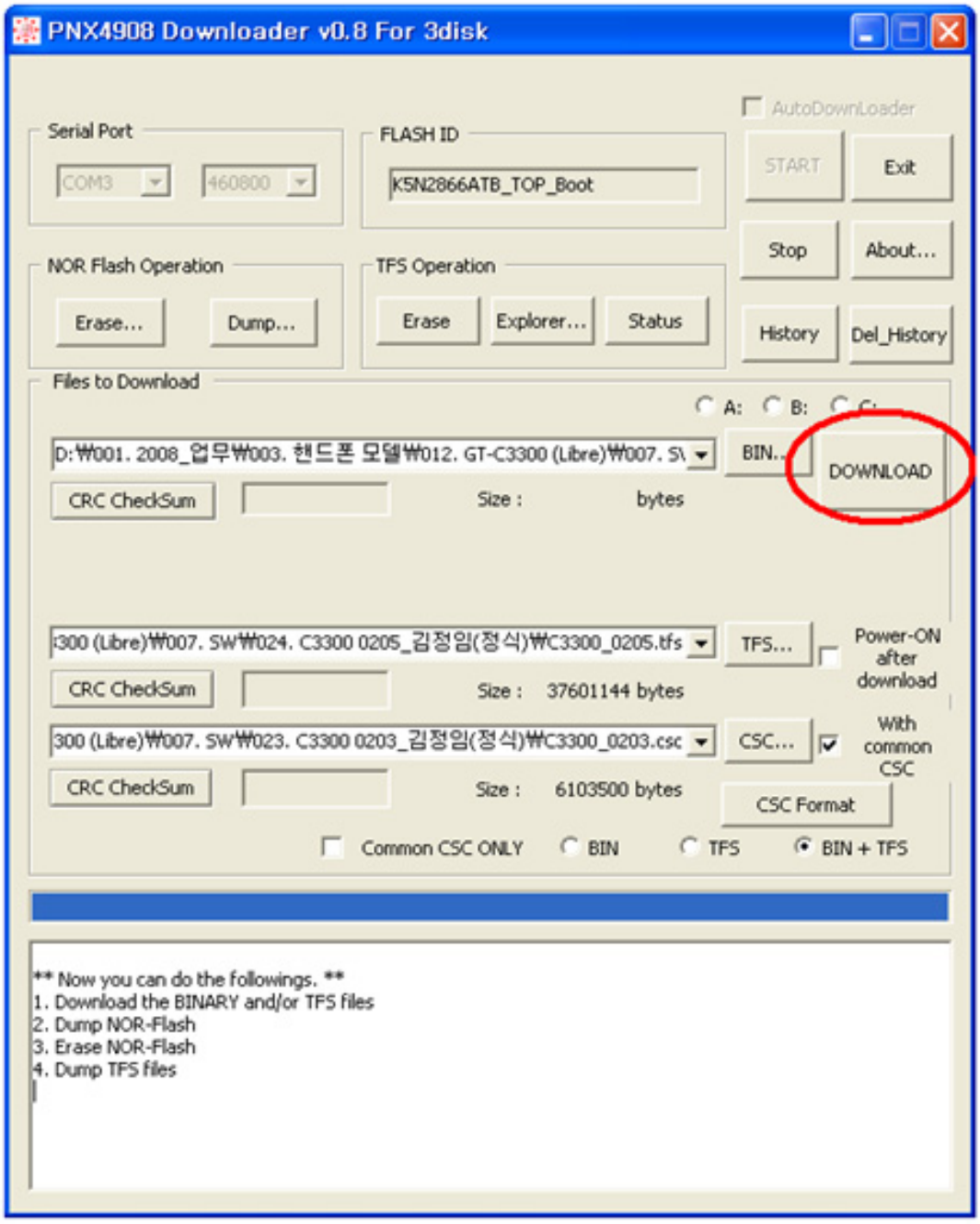
5. After Click START, Connect Phone to JIG cable.

6. After connect phone, You will see **"**Now you can do the followings. **"**.
   And Click **"DOWNLOAD"**



7. After Downloading, You must Full reset.
   Full reset : *2762*3855#
8. Confirm the downloaded version name and etc. :
   ***#1234#**

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9. Reference Abbreviate

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

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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 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.

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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.

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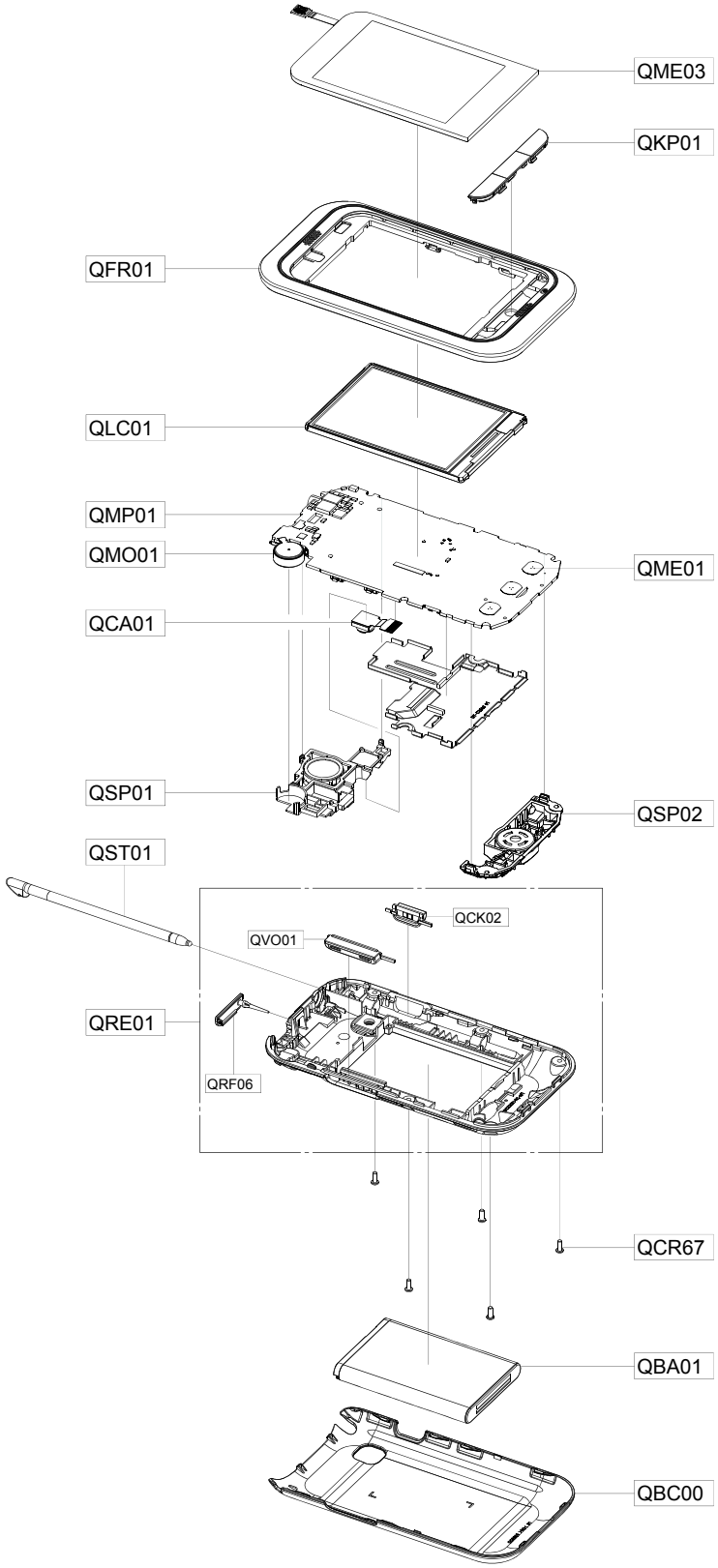
4. Exploded View and Parts List

4-1. Cellular phone Exploded View



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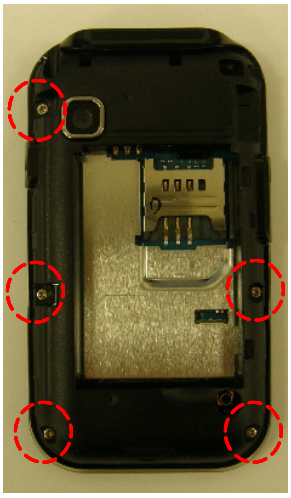
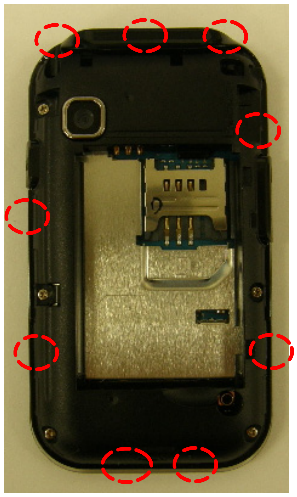
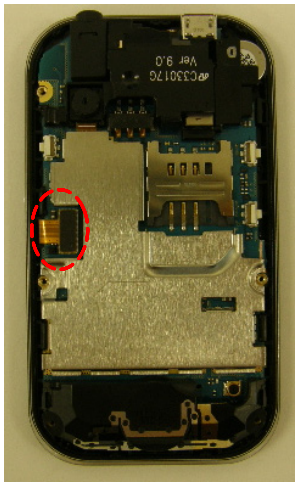
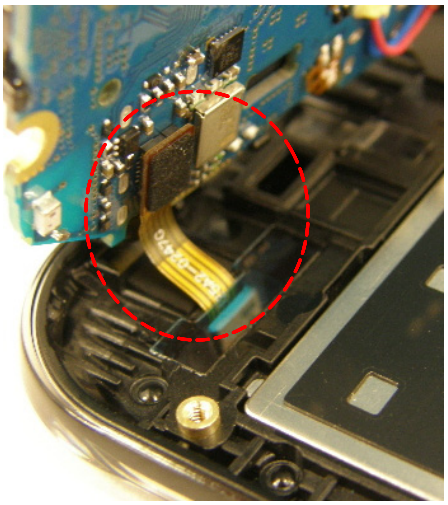
5-2. Cellular phone Parts list : GT-C3300DKKXEF

Design LOC	Description	SEC CODE
QBA01	INNER BATTERY PACK-1000MAH,BLK,ENG,EU	GH43-03184A
QBC00	ASSY COVER-BATT	GH98-16379A
QCA01	CAMERA MODULE-MODULE,GT-C3300K(1.3M)	GH59-09730A
QCK02	PMO KEY-HOLD_V2	GH72-60476A
QCR67	SCREW-MACHINE	6001-002083
QFR01	ASSY CASE-FRONT	GH98-16378A
QKP01	ASSY KEYPAD-MAIN	GH98-16375A
QLC01	ASSY LCD-2.4" TN QVGA GT-C3300 ASS'Y	GH96-04549A
QME01	DOME SHEET-GT-C3300	GH59-09280A
QME03	TOUCH/PANEL-GT-C3300	GH59-09281A
QMO01	MOTOR LINEAR VIBRATION-GT-C3300_MOTOR	GH31-00501A
QMP01	A/S ASSY-PBA MAIN(COMM),GT-C3300K,SVC	GH82-04939A
QRE01	ASSY CASE-REAR	GH98-16377A
QRF03	PMO COVER-USB_V2	GH72-60469A
QSP01	MODULE-SPK+INT A (GT-C3300)	GH59-09367A
QSP02	MODULE-SPK+INT B (GT-C3300)	GH59-09366A
QST01	PMO ACCE-STYLUS PEN	GH72-58591A
QVO01	PMO KEY-VOLUME_V2	GH72-60472A

7. Level 2 Repair

7-1. Disassembly and Assembly Instructions

7-1-1. Disassembly

1 1) Unscrew the 5 points. 	**2** 1) Seperate the REAR CASE. 9 hooks 
※ Caution 1) Be care of scratch and molding damage.	**※ Caution** 1) Be care of scratch and molding damage.
3 1) Separate the LCD connector 	**4** 1) Separate the TSP connector. 
※ Caution 1) Be care of scratch and molding damage.	**※ Caution** 1) Be care of scratch and molding damage. 2) Be care of damage to the TSP.

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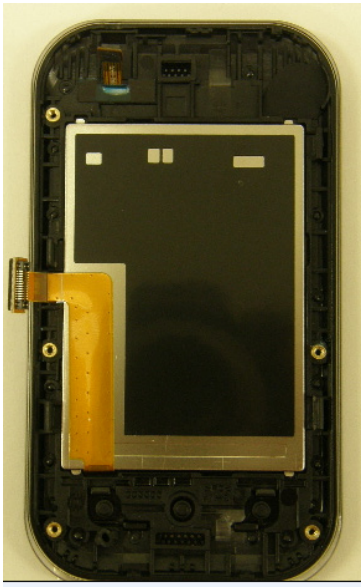
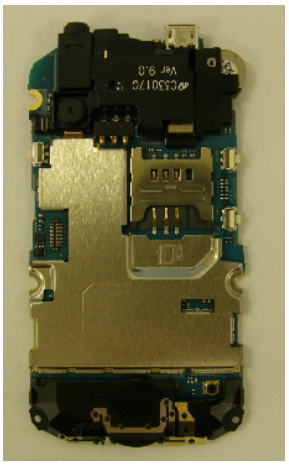
5 1) Separate LCD, KEYPAD and TSP from the FRONT CASE. 	**6** 1) Separate the MOTOR/SHIELD CAN /INTENNA/CAMERA(D,K) from the PBA. 
※ Caution 1) Be care of scratch and molding damage. 2) Be care of damage to the LCD.	**※ Caution** 1) Be care of damage to FPCB and Wire. 2) Be care of damage to the Intenna pattern

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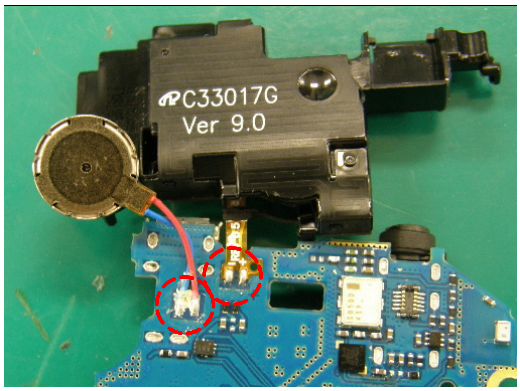
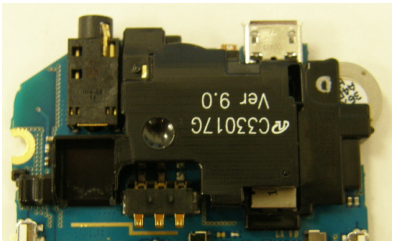
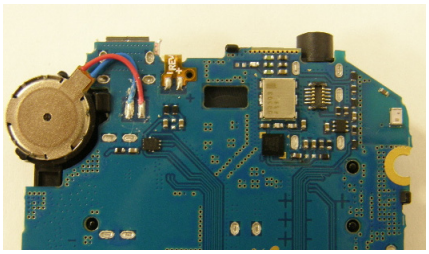
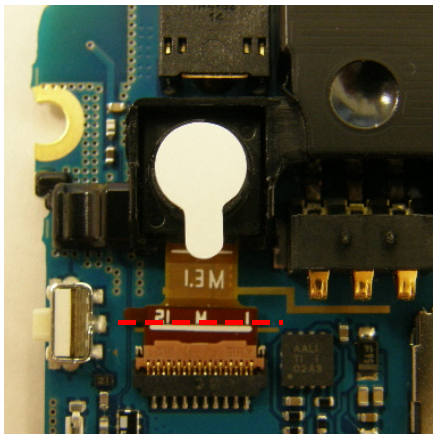
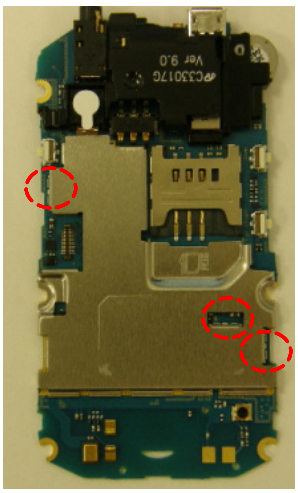
7-1-1. Assembly

1 1) Solder the Speaker and motor. 	**2** 1) Assemble the SPEAKER MODULE to PBA and attach the Motor to module.  
※ Caution 1) Be care of damage the FPCB.	**※ Caution** 1) Be care of damage to PBA and MOTOR wire
3 1) Assemble the CAMERA 	**4** 1) Assemble the insu tape and shieldcan 
※ Caution 1) Be care of damage to FM Radio PATTERN and PBA.	**※ Caution** 1) Be care of damage to PBA.

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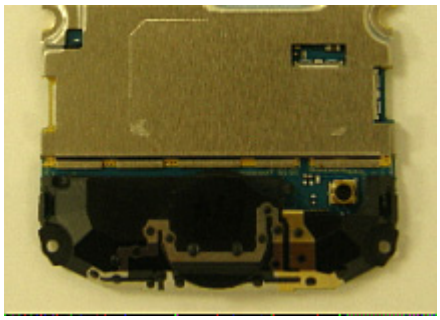
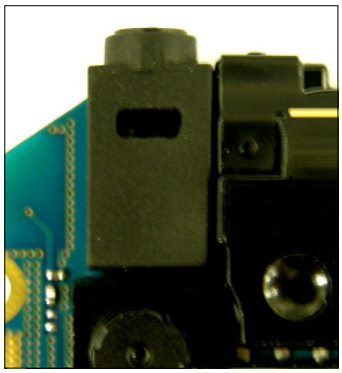
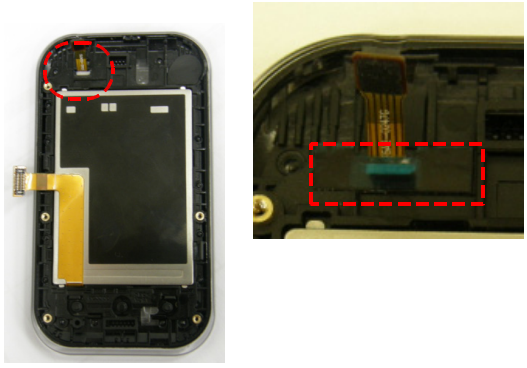
5 1) Assemble the INTENNA	**6** 1) Assemble the earjack rubber
	
※ Caution 1) Be care of damage to INTENNA PATTERN and PBA.	**※ Caution** 1) Be care of damage the CAMERA FPCB and connector
7 1) Assemble the KEYPAD. 2) Attach the TSP.	**8** 1) Assemble the LCD. 2) Attach the insu tape.
	
※ Caution 1) Be care of scratch and molding damage. 2) Be care of TSP Fpcb damage.	**※ Caution** 1) Be care of damage the LCD module. 2) Be care of TSP Fpcb damage.

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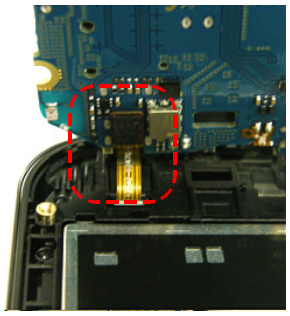
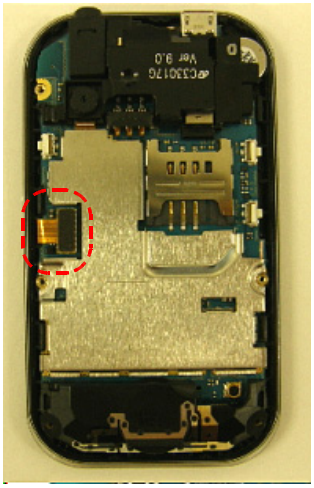
1) Connect the TSP connector and then Assemble the PBA the to FRONT ASS'Y.
2) Connect the LCD connector.



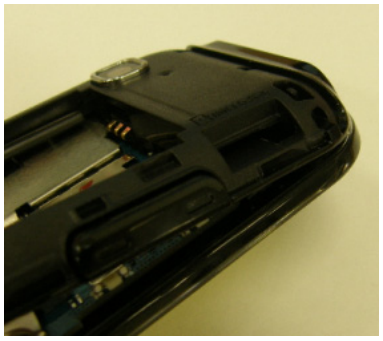


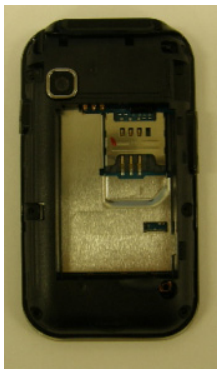
※ Caution

1) Be care of scratch and molding damage.
2) Be care of damage to TSP FPCB.

10

1) Assemble the REAR CASE.



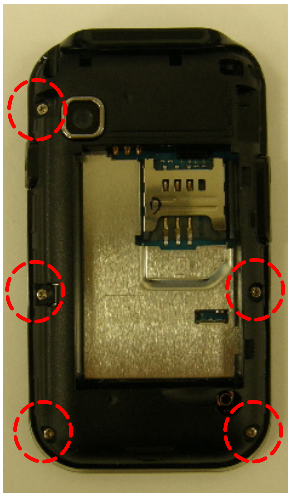


※ Caution

1) Be care of scratch and molding damage.

11

1) Screw 5 points.
● Torque : 1.0 ~ 1.2 Kgf·cm
Size : M1.4 * L3.5



※ Caution

1) Be care of scratch and molding damage.

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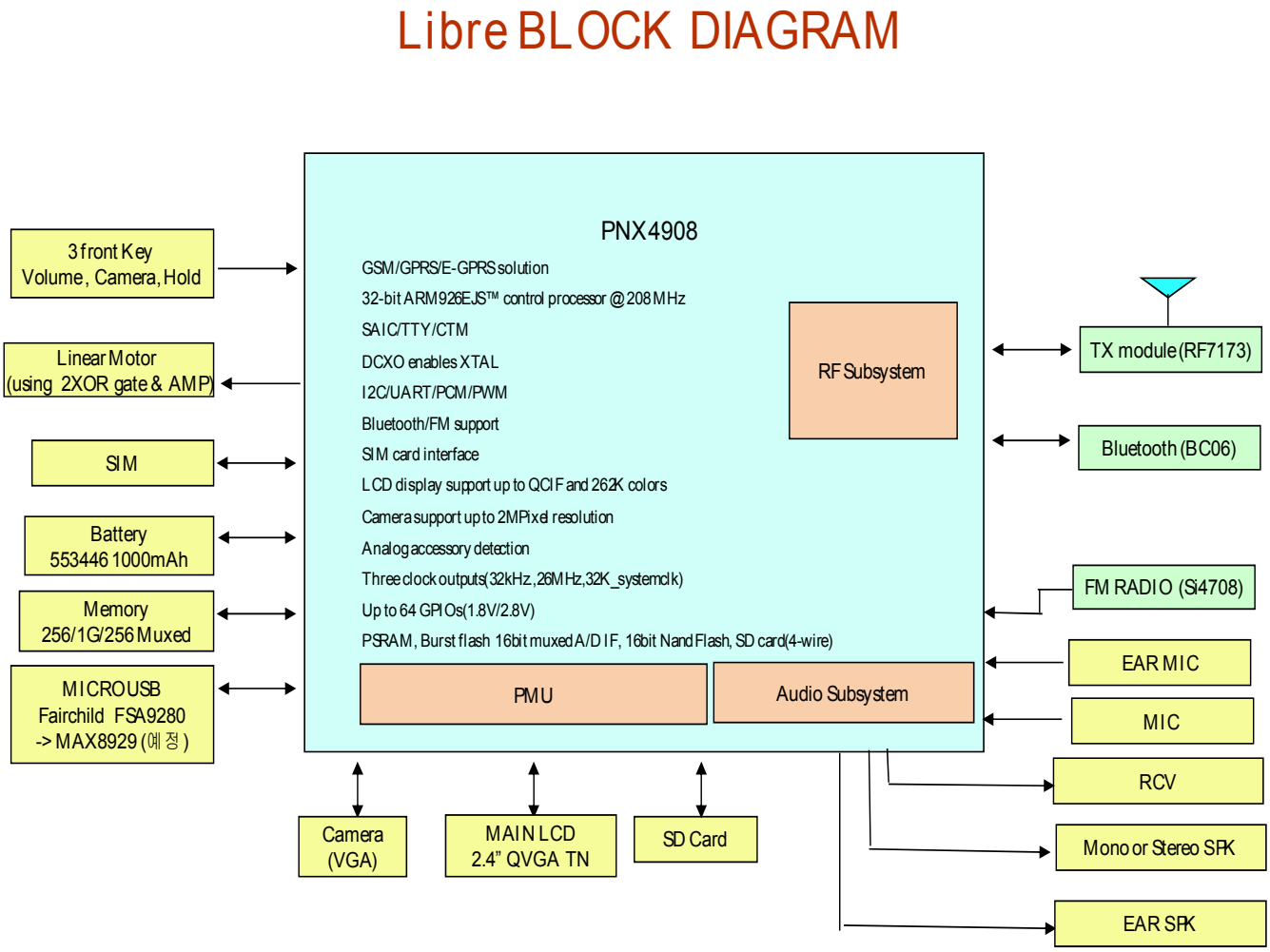
8. Level 3 Repair

8-1.Block Diagram



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8-2. PCB Diagrams

8-2-1. Top

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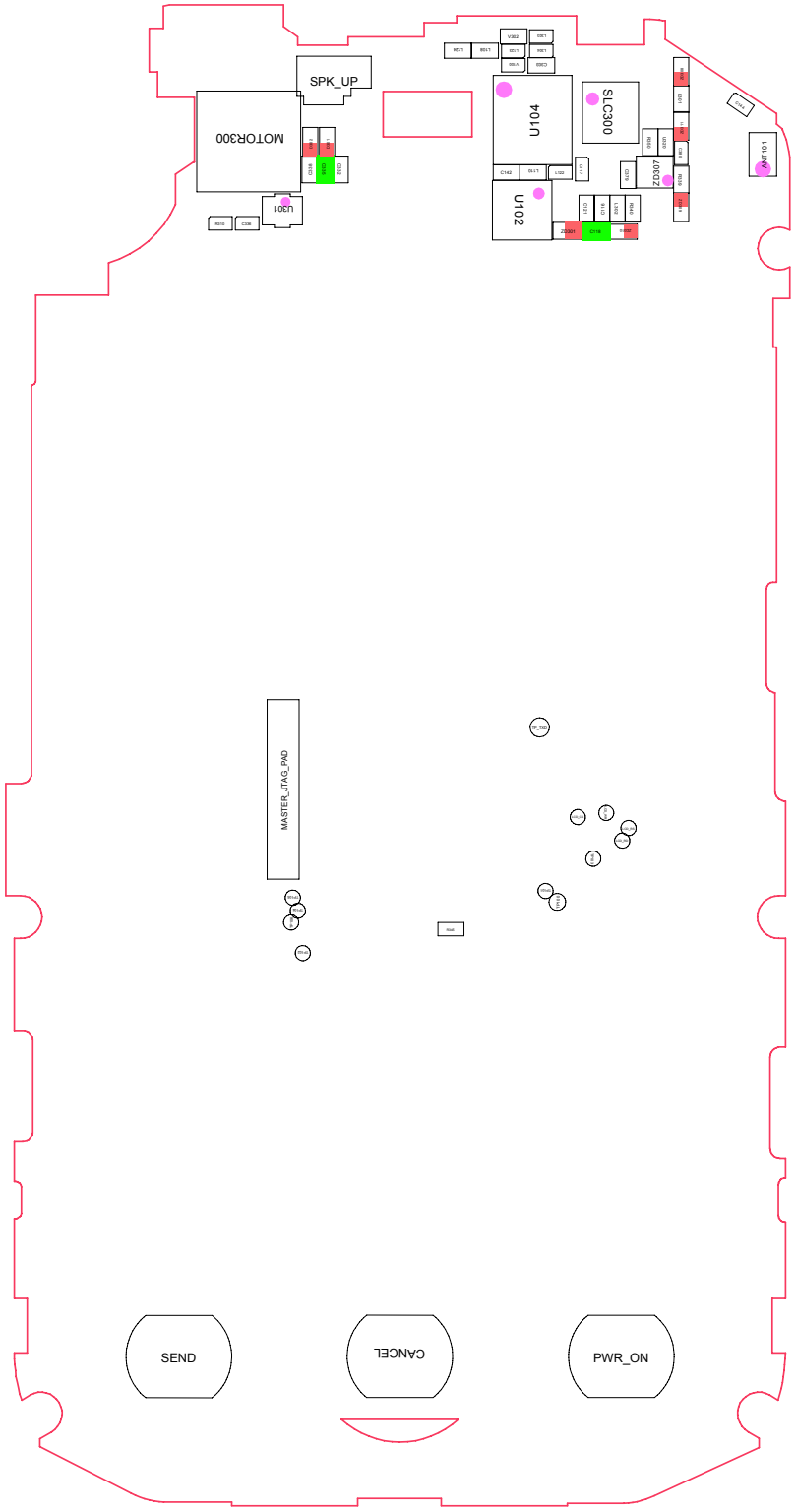
8-2-1. Bottom



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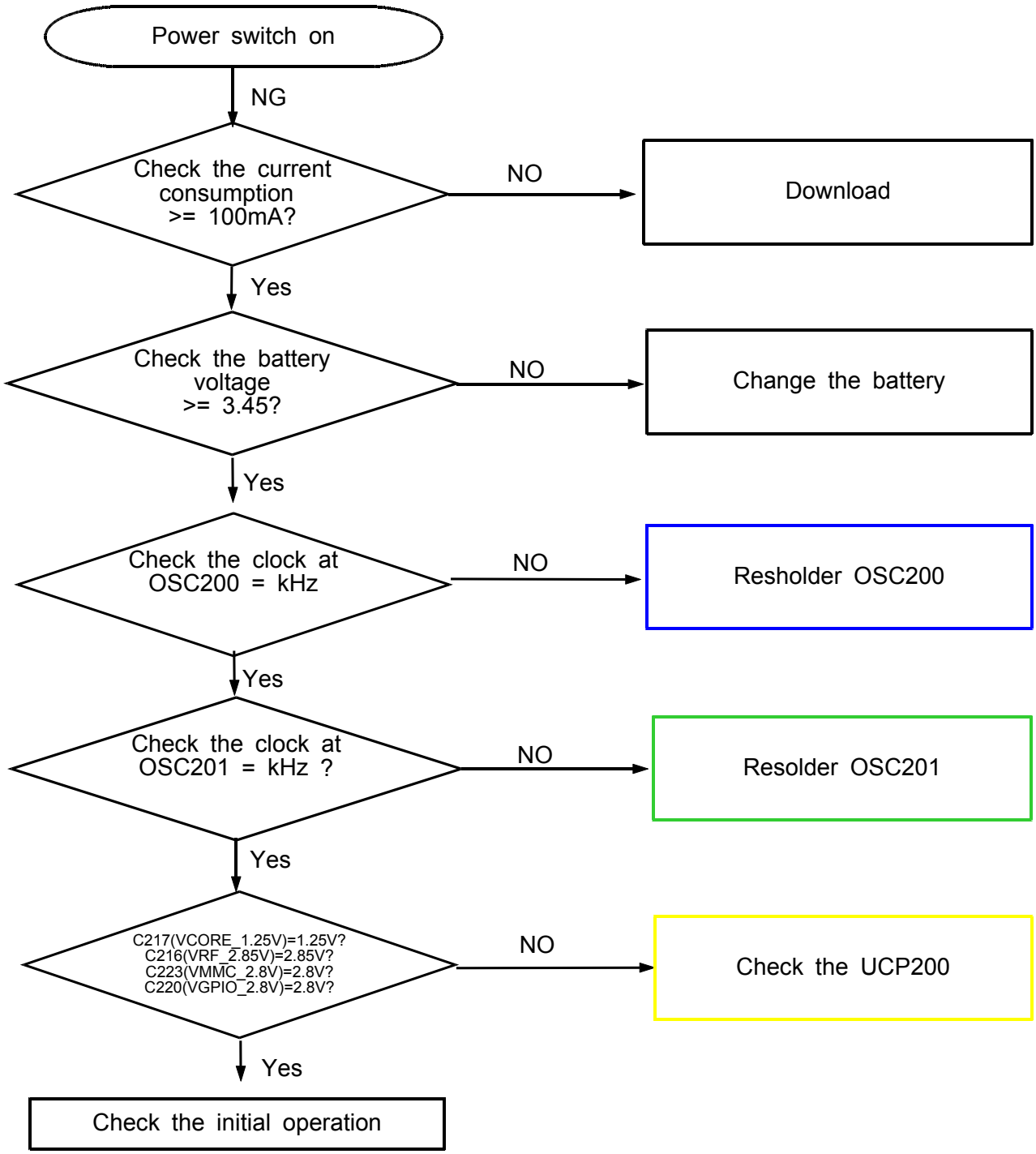
8-3. LOGIC

8-3-1. Power On



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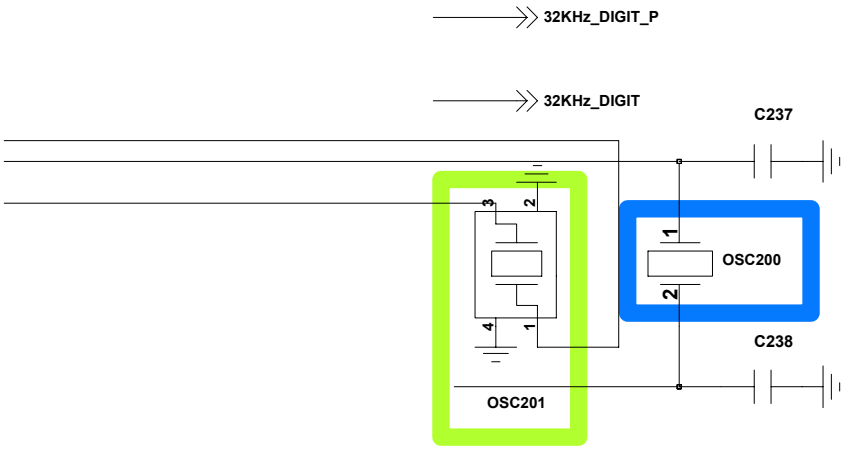

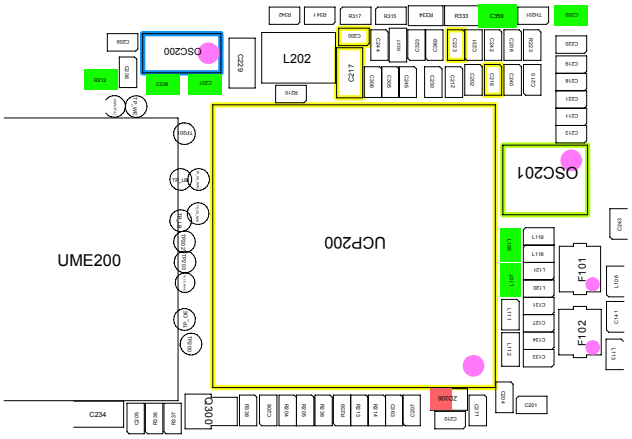

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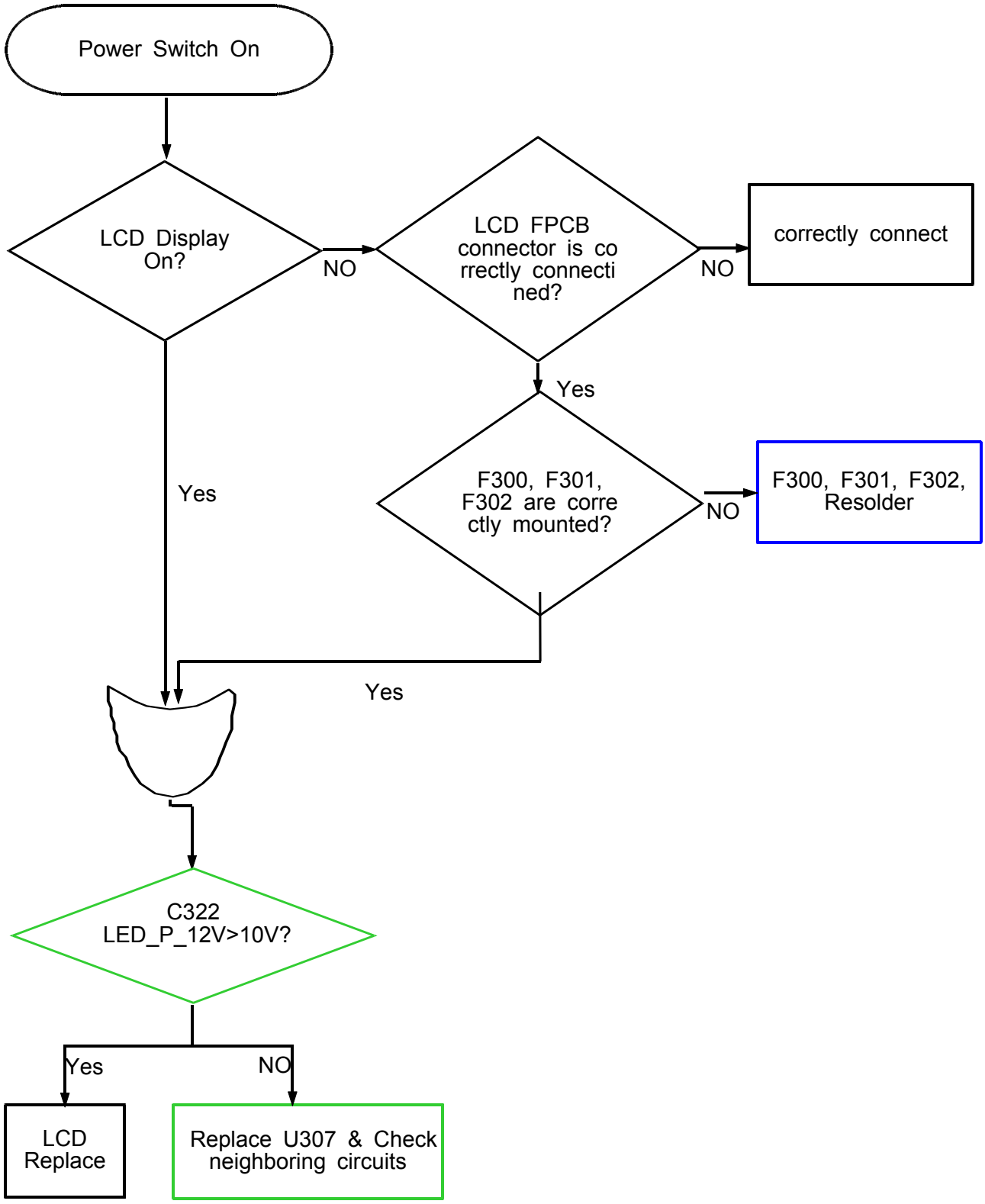
8-3-2. LCD Working



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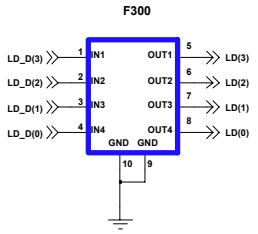

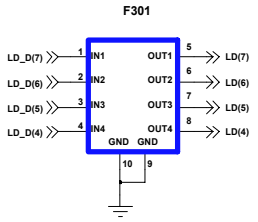

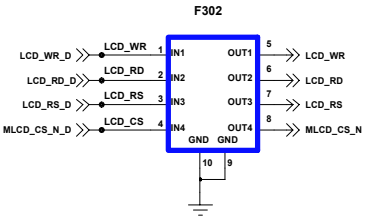

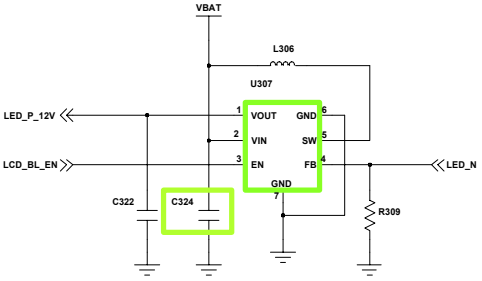

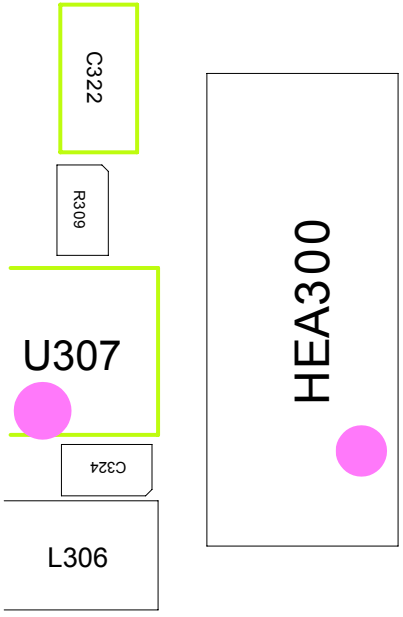

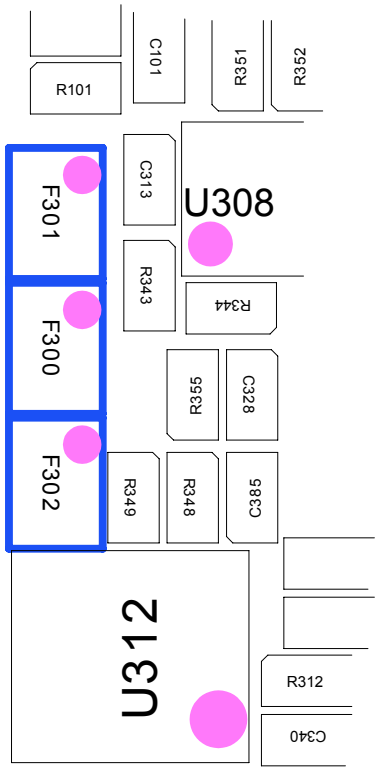

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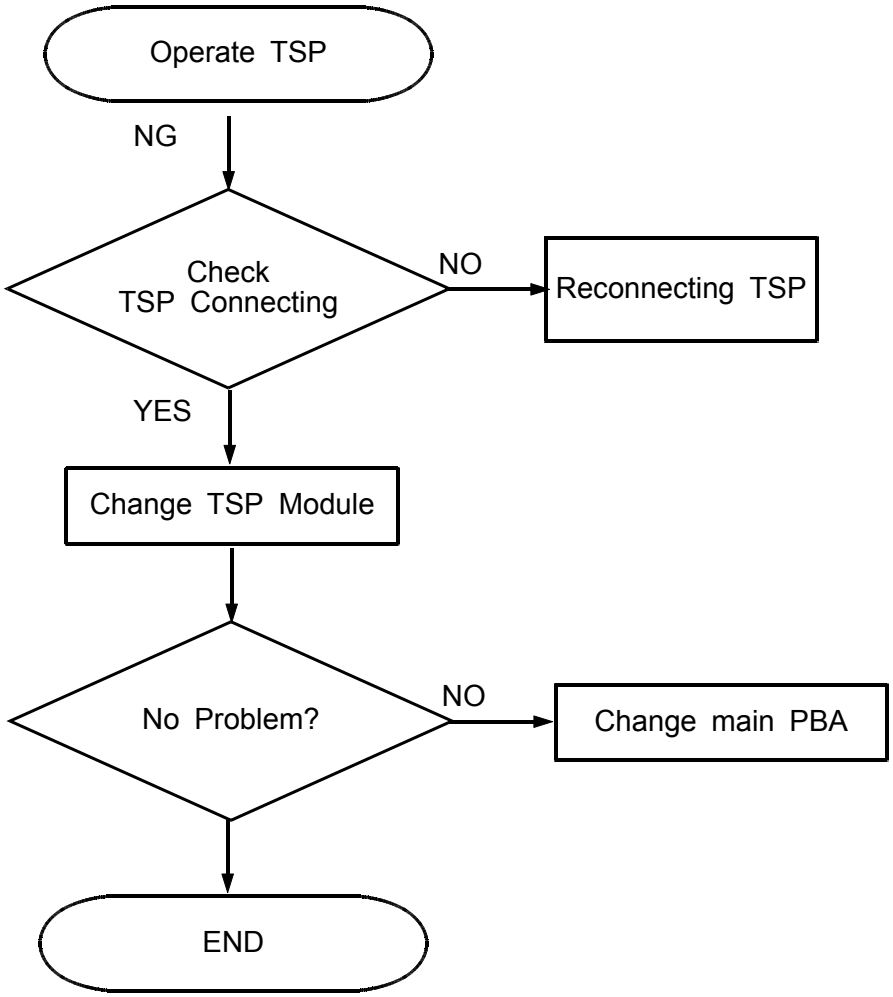
8-3-3. TSP



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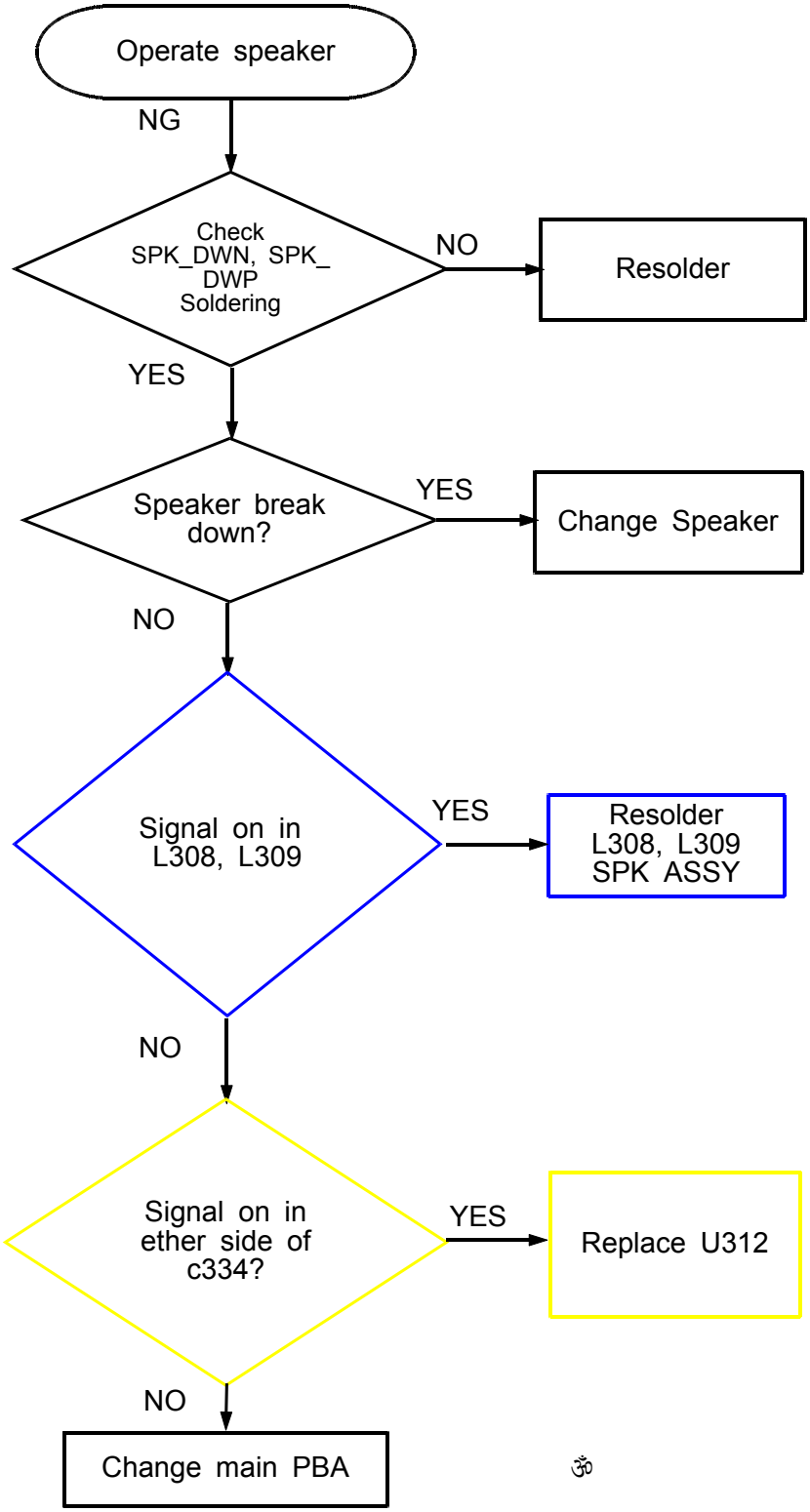
8-3-3. Audio Working

- Lower Speaker Working



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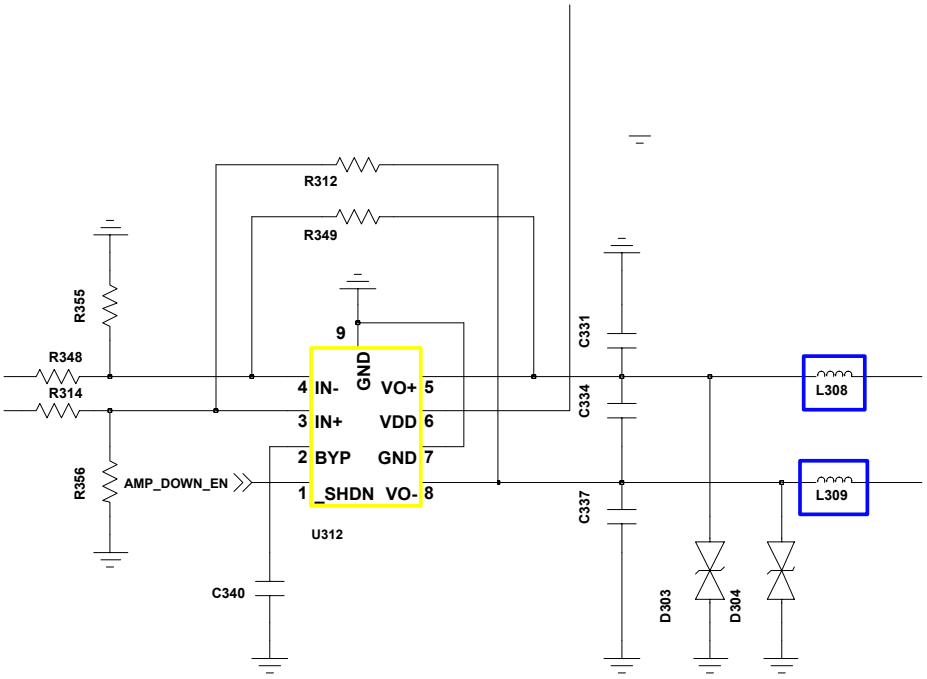

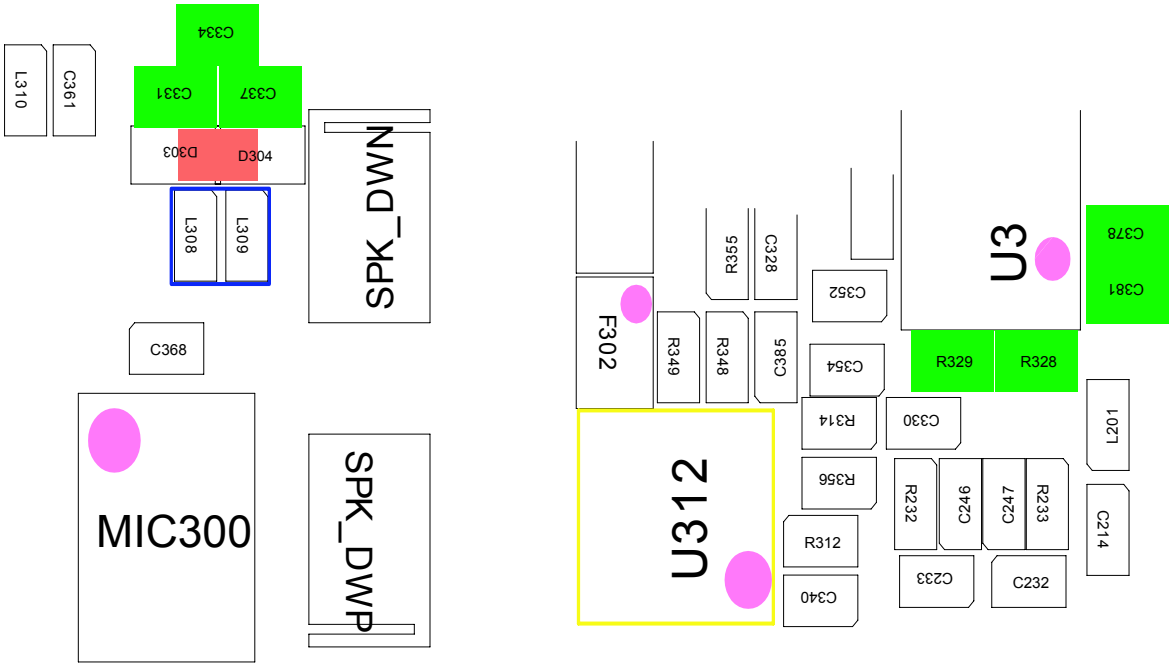

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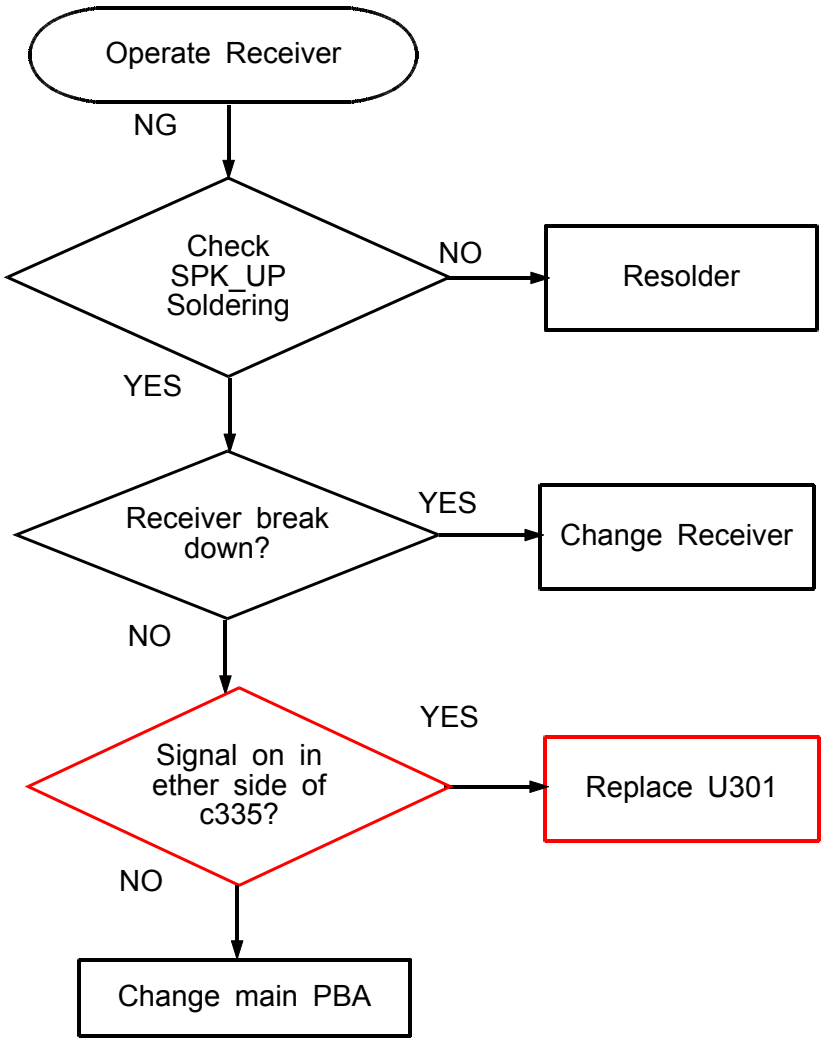
- Upper Speaker Working



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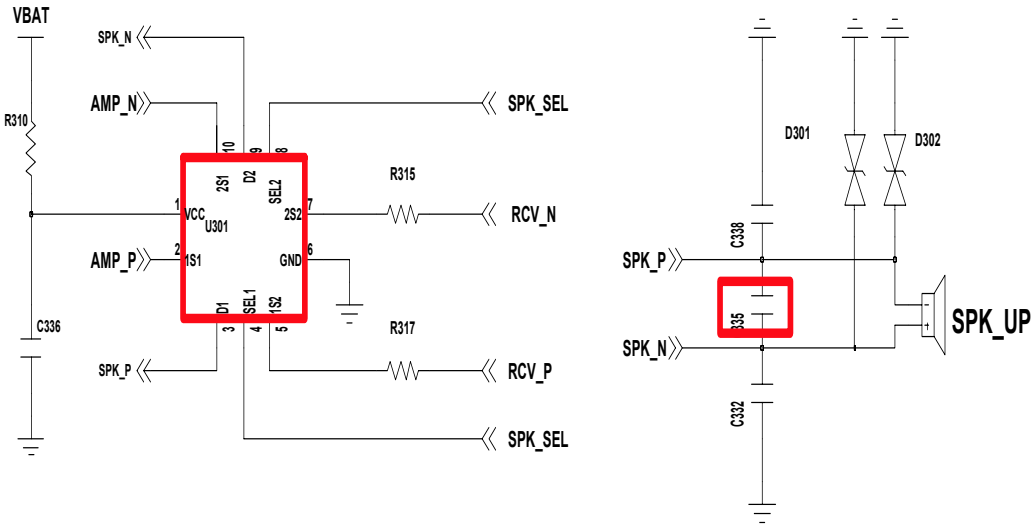

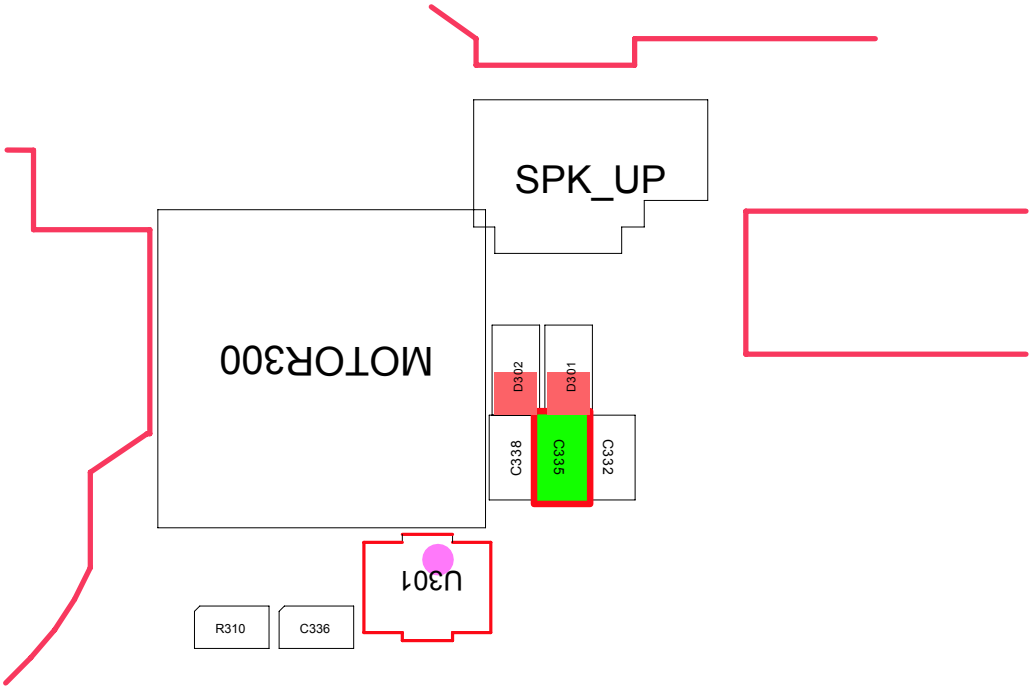

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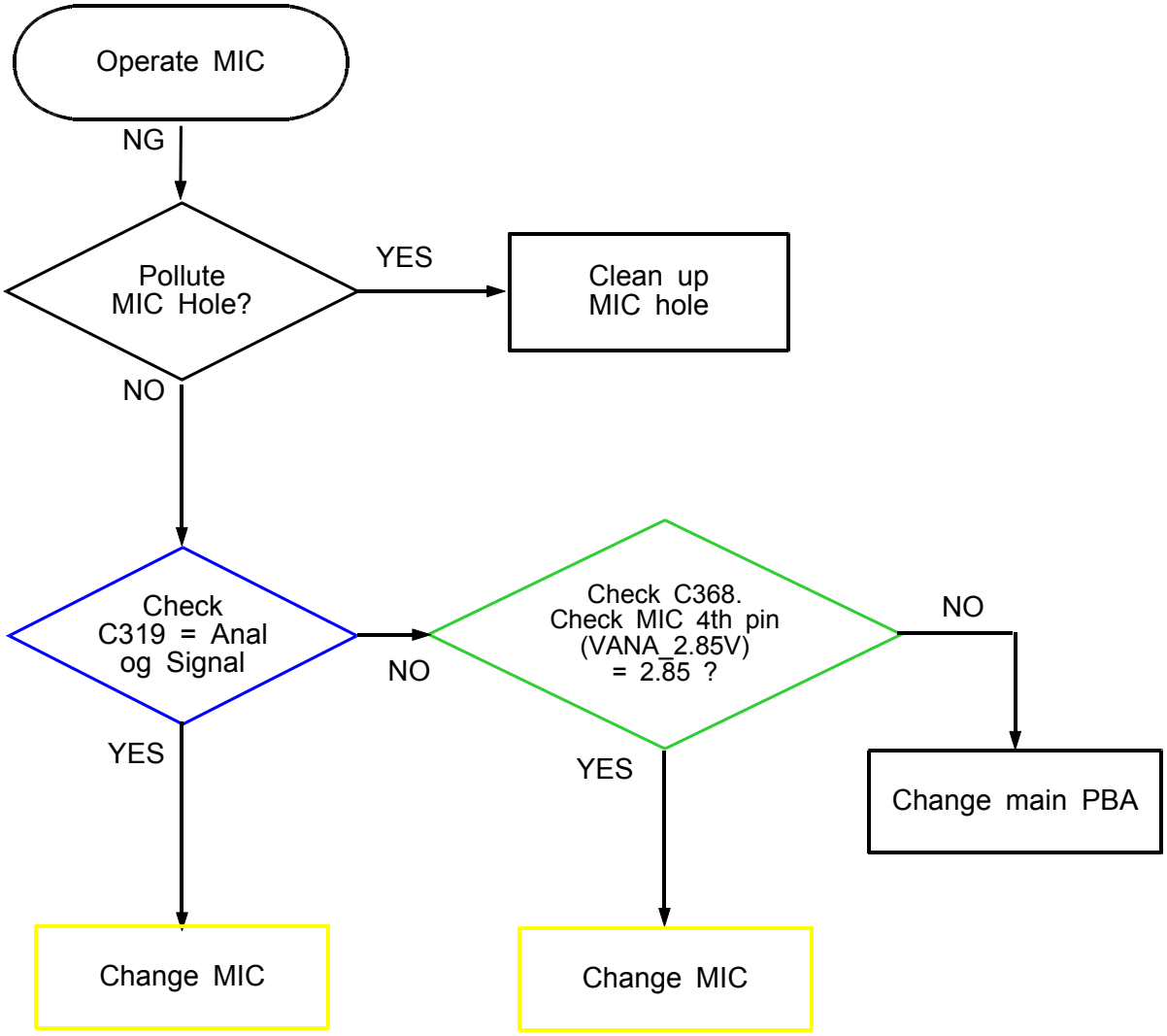
- MIC Working



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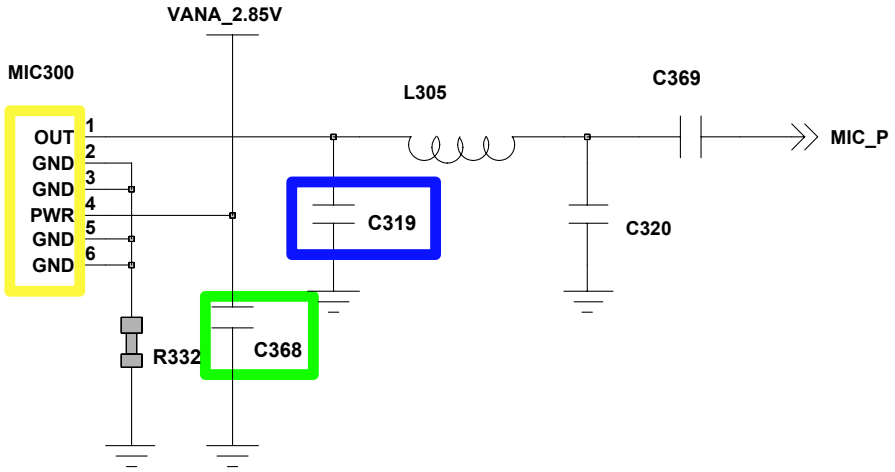

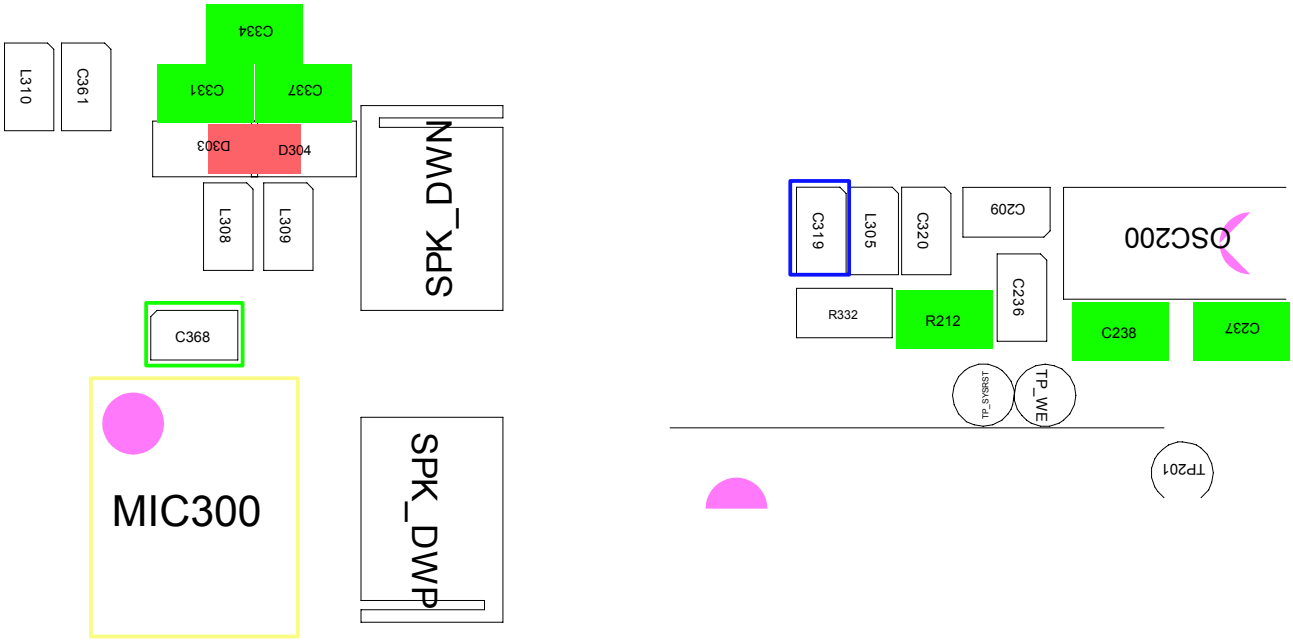

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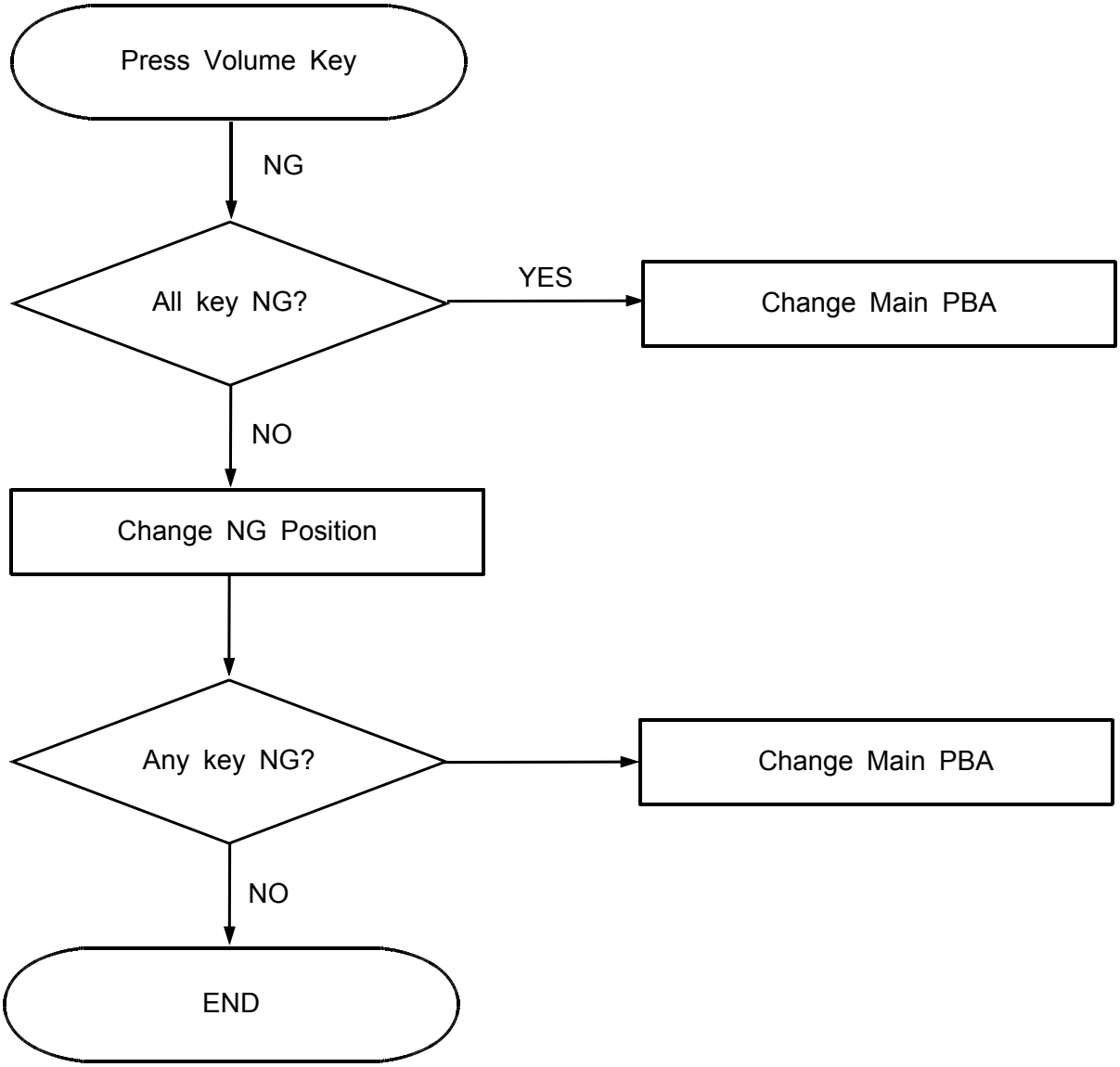
8-3-5. KEY Working

- Volume KEY



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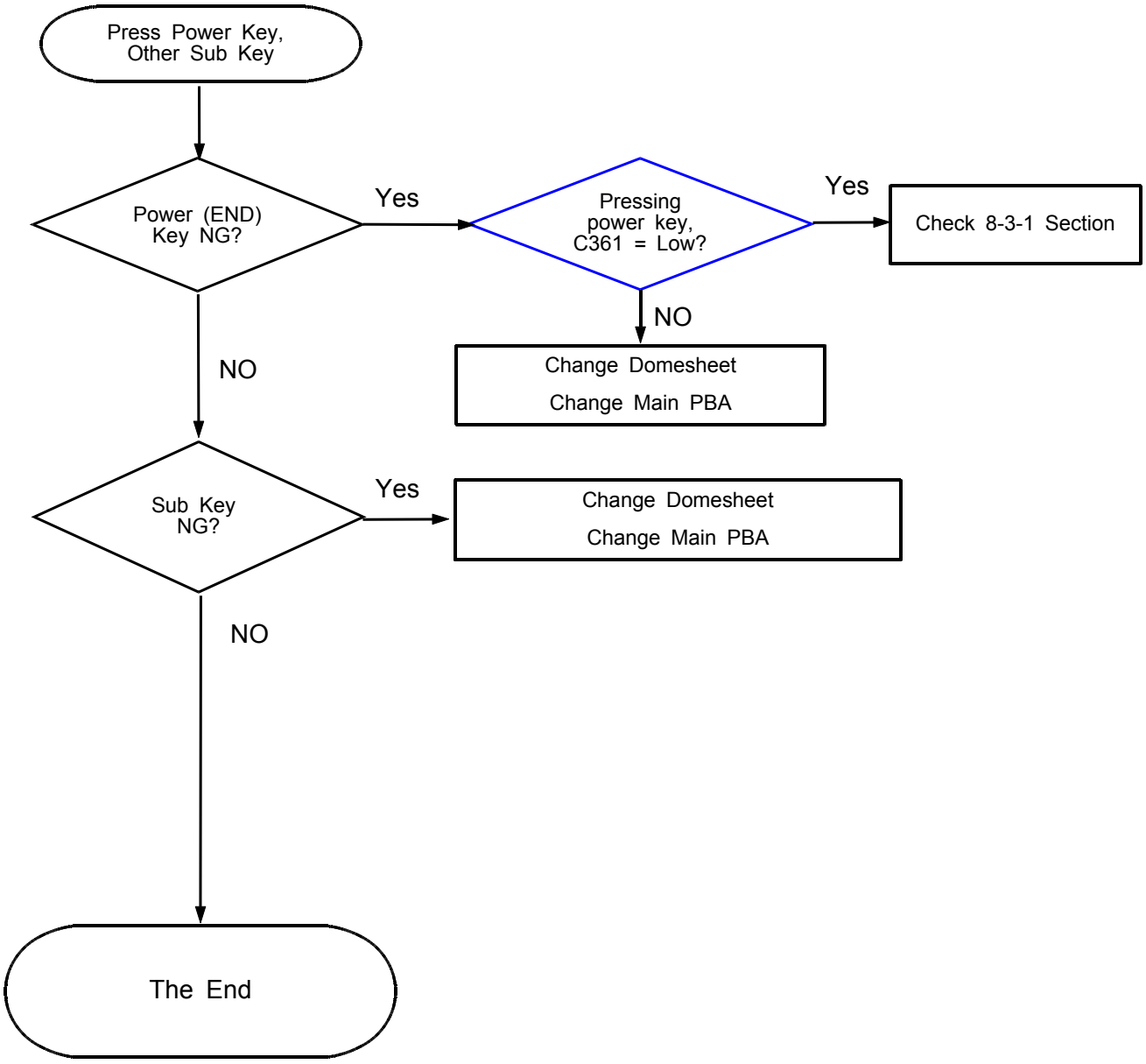
- Sub Key



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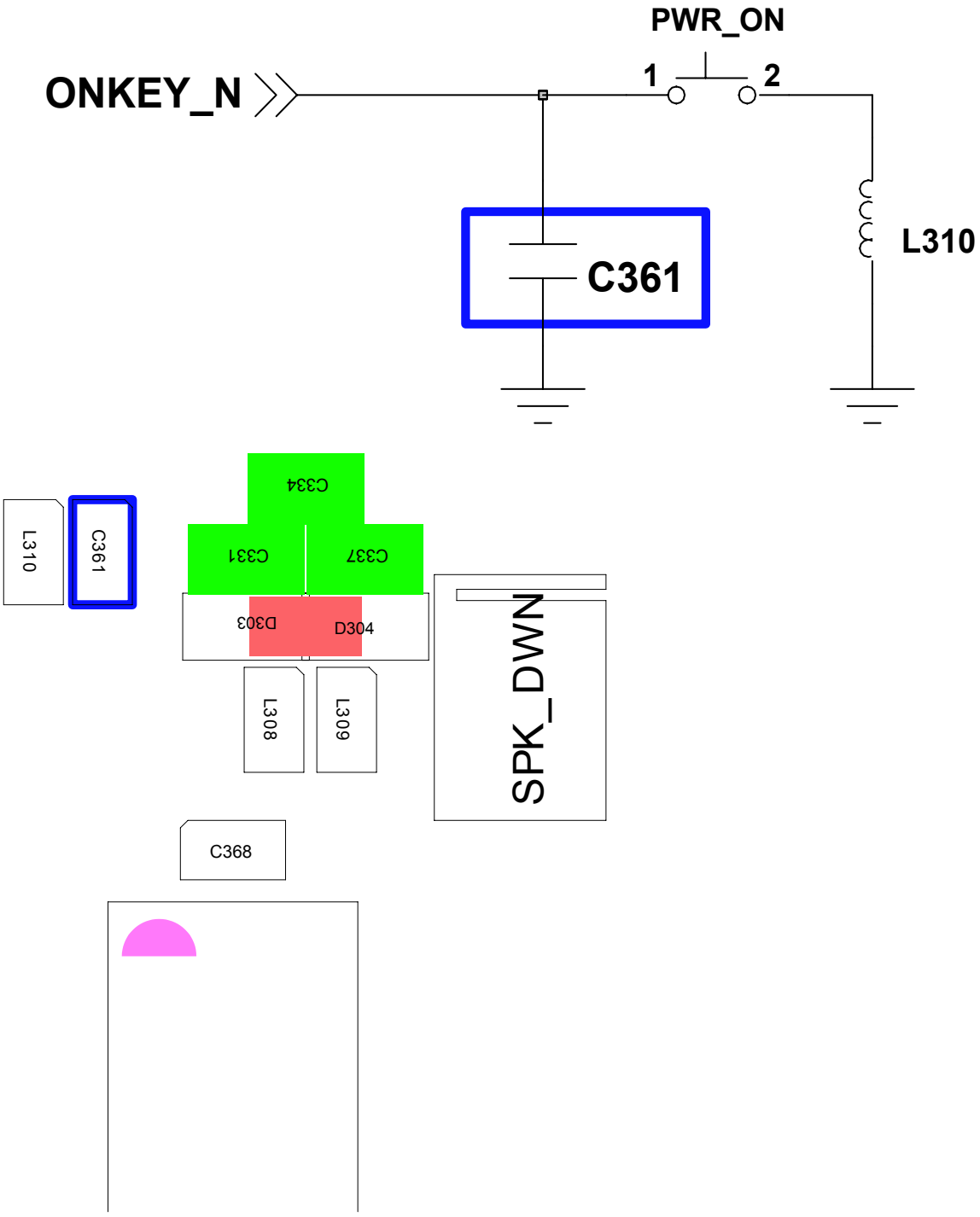

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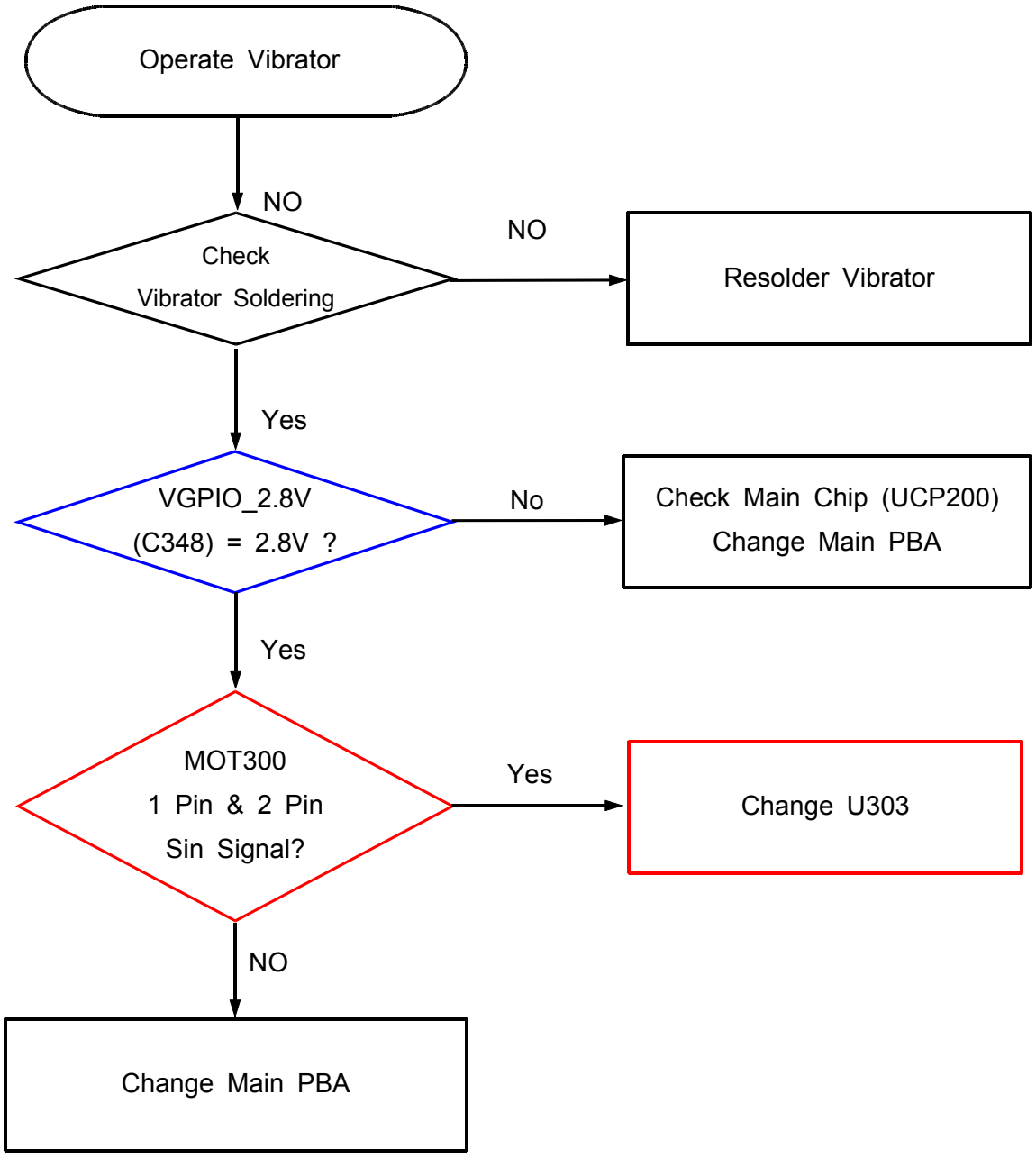
8-3-6. Vibrator Working



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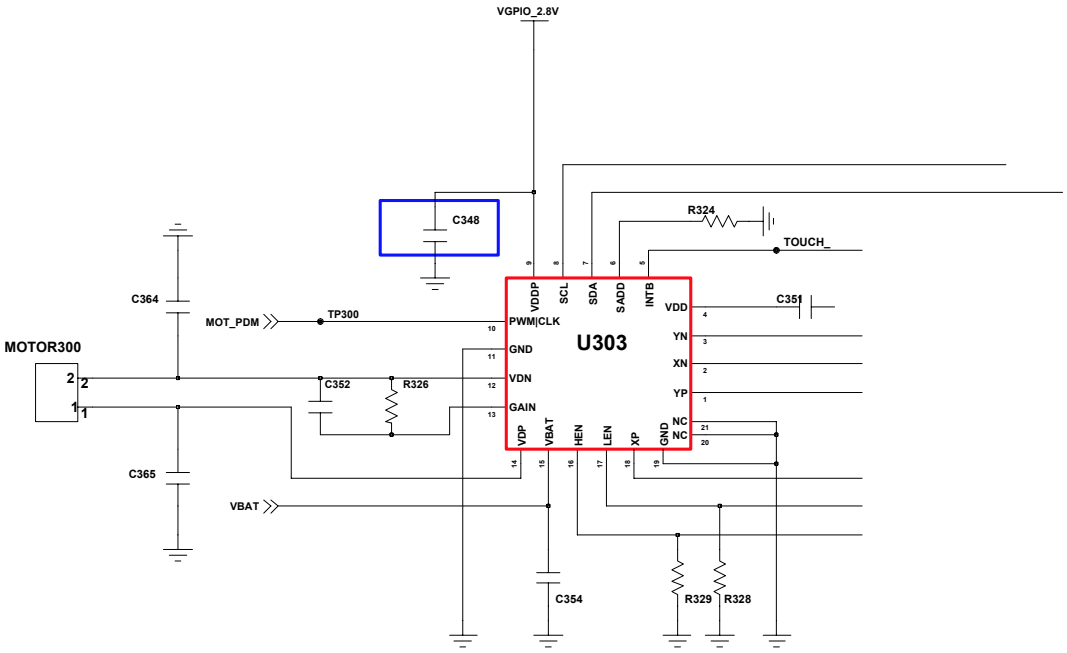

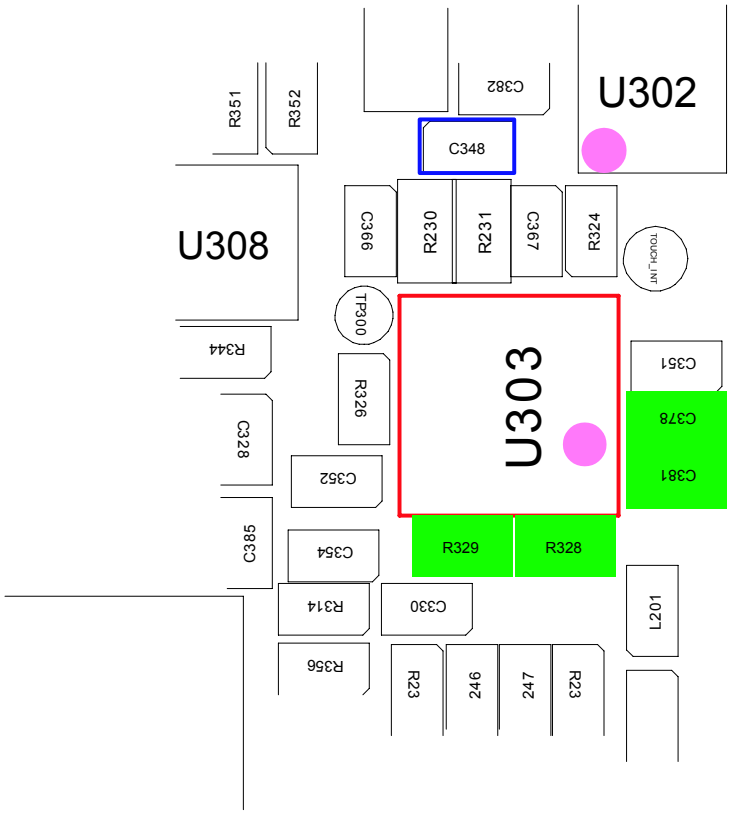

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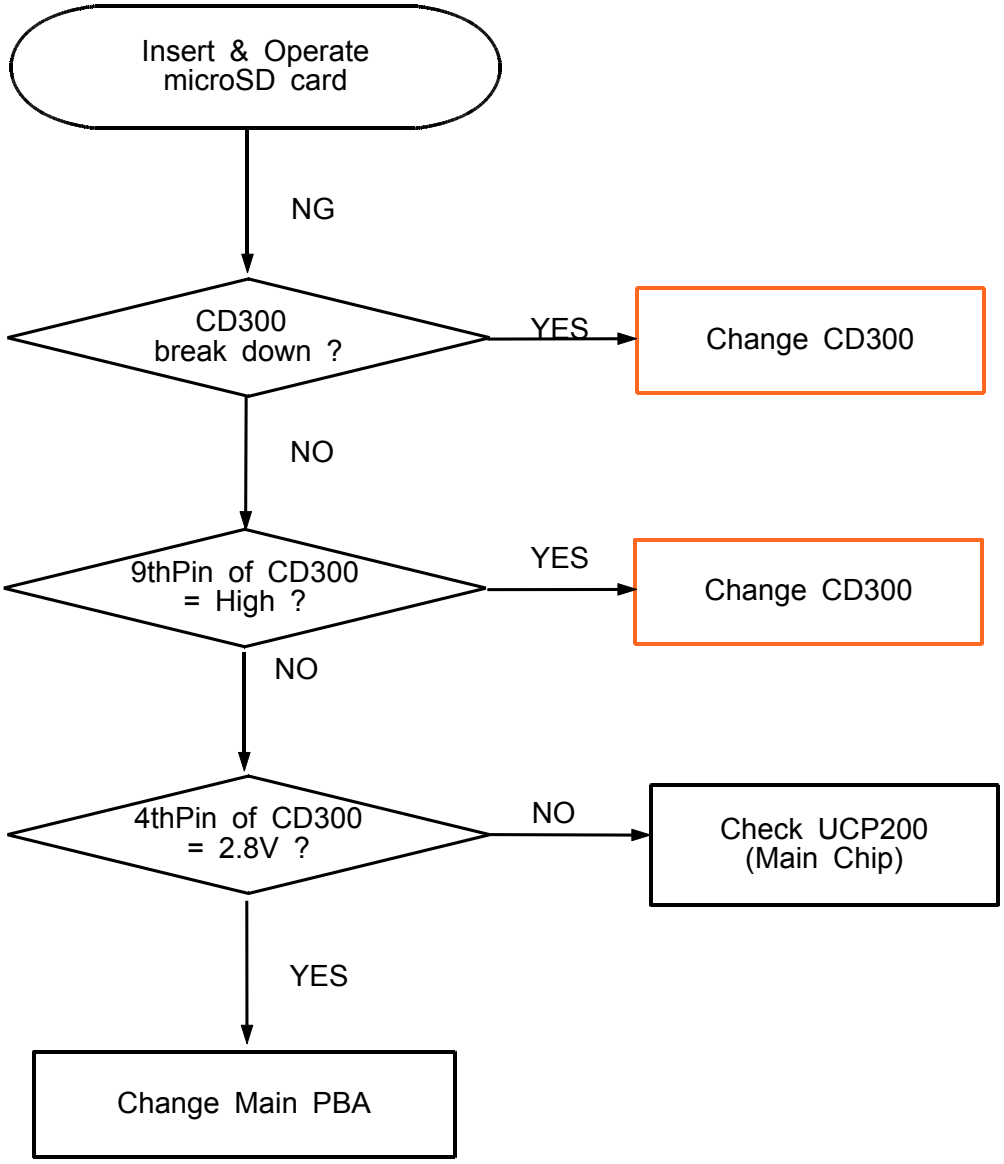
8-3-7. T-Flash Card Working



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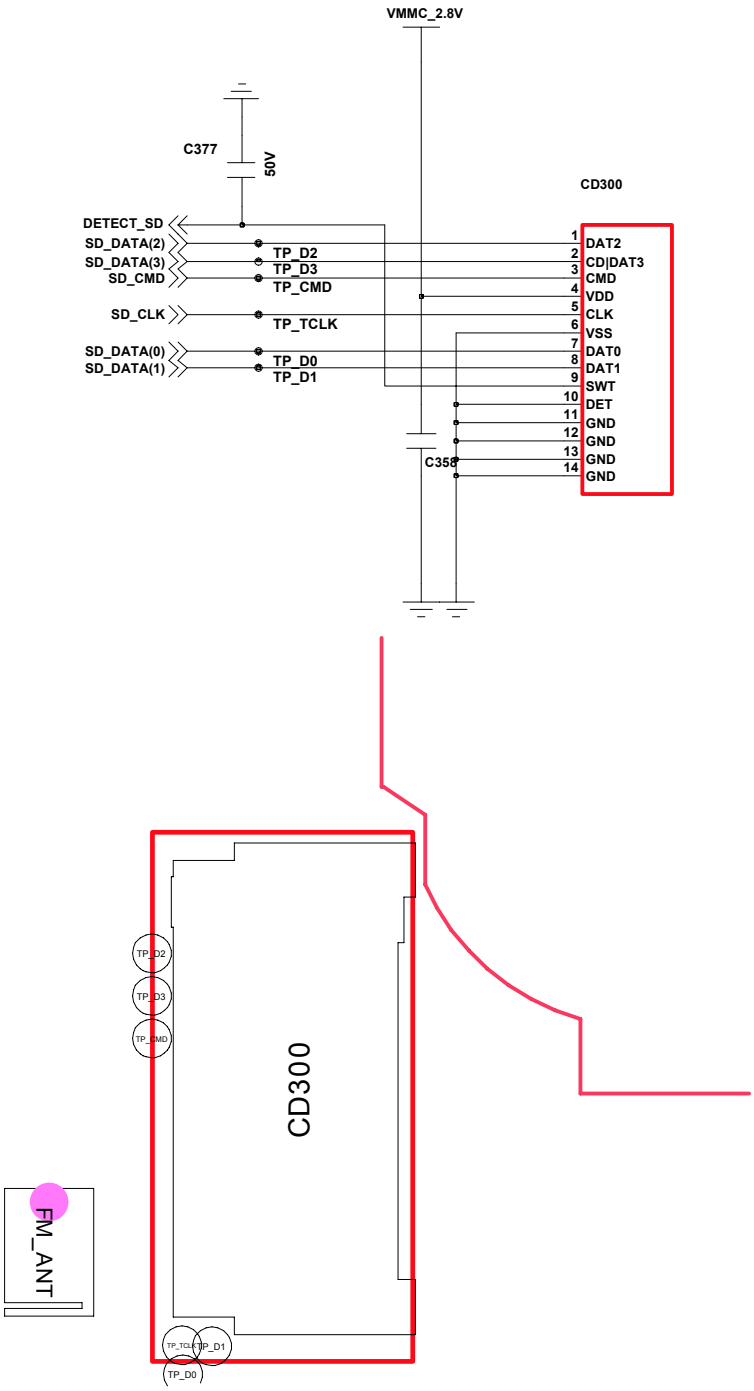

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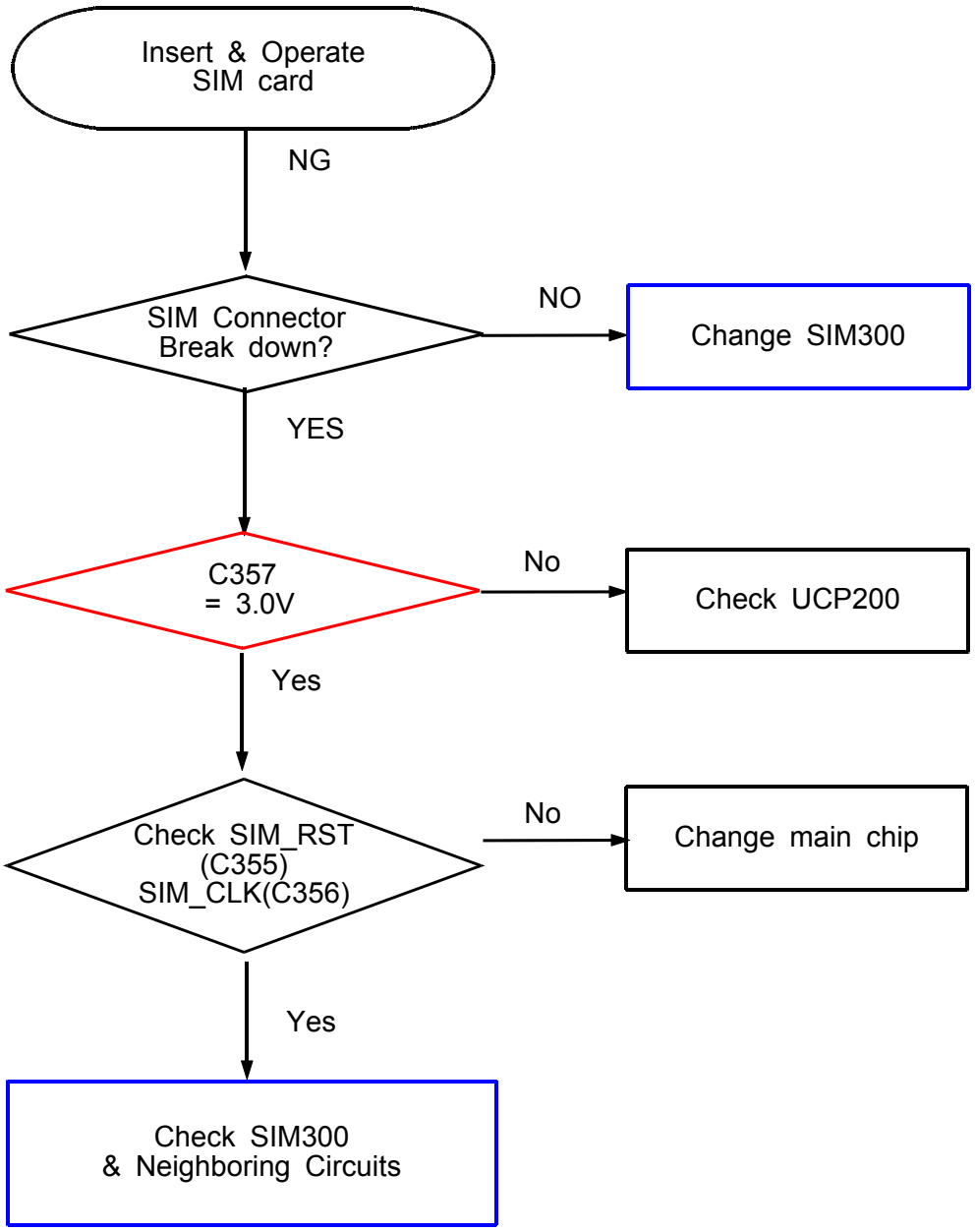
8-3-8. SIM Card Working



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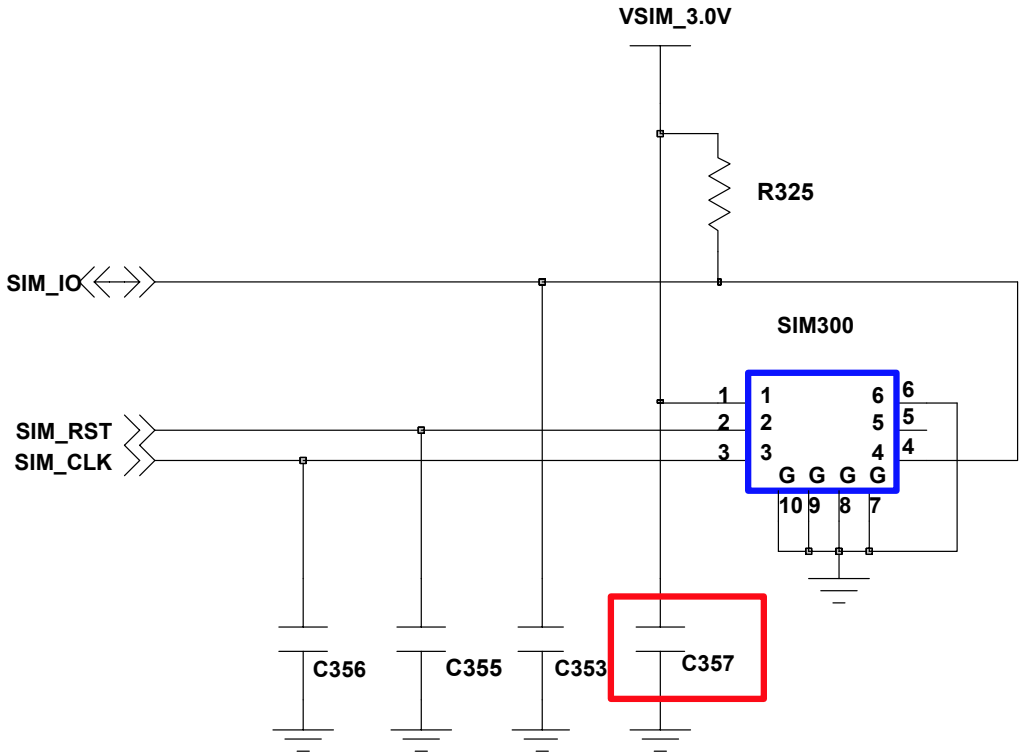

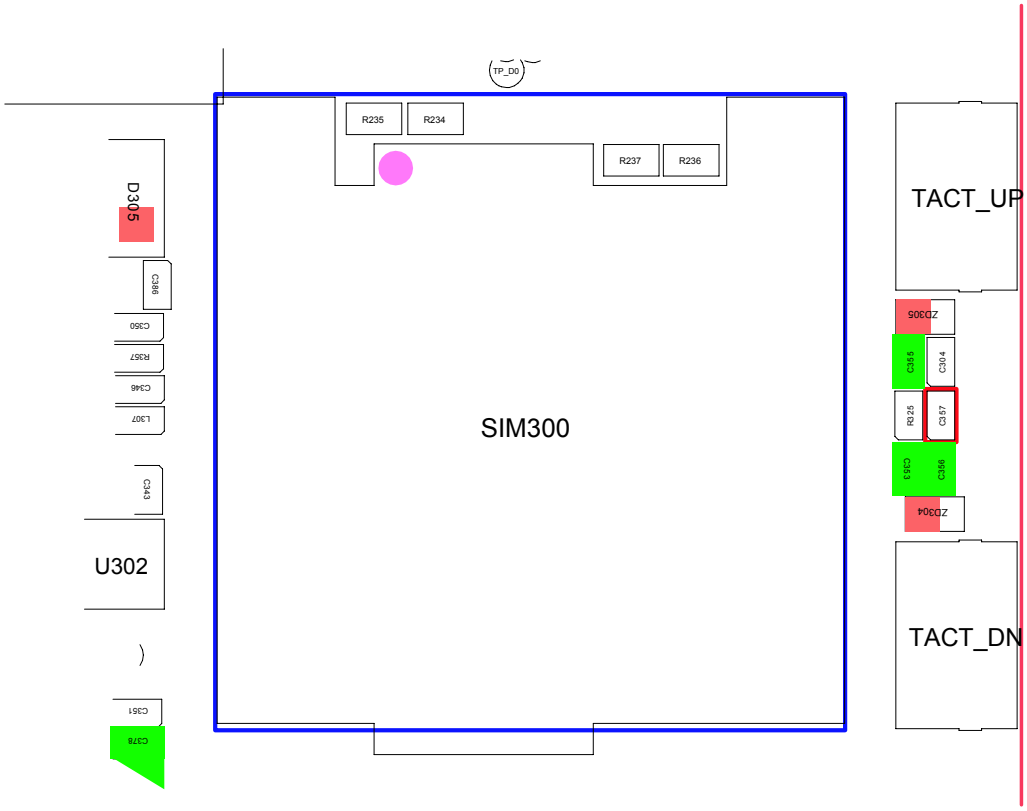

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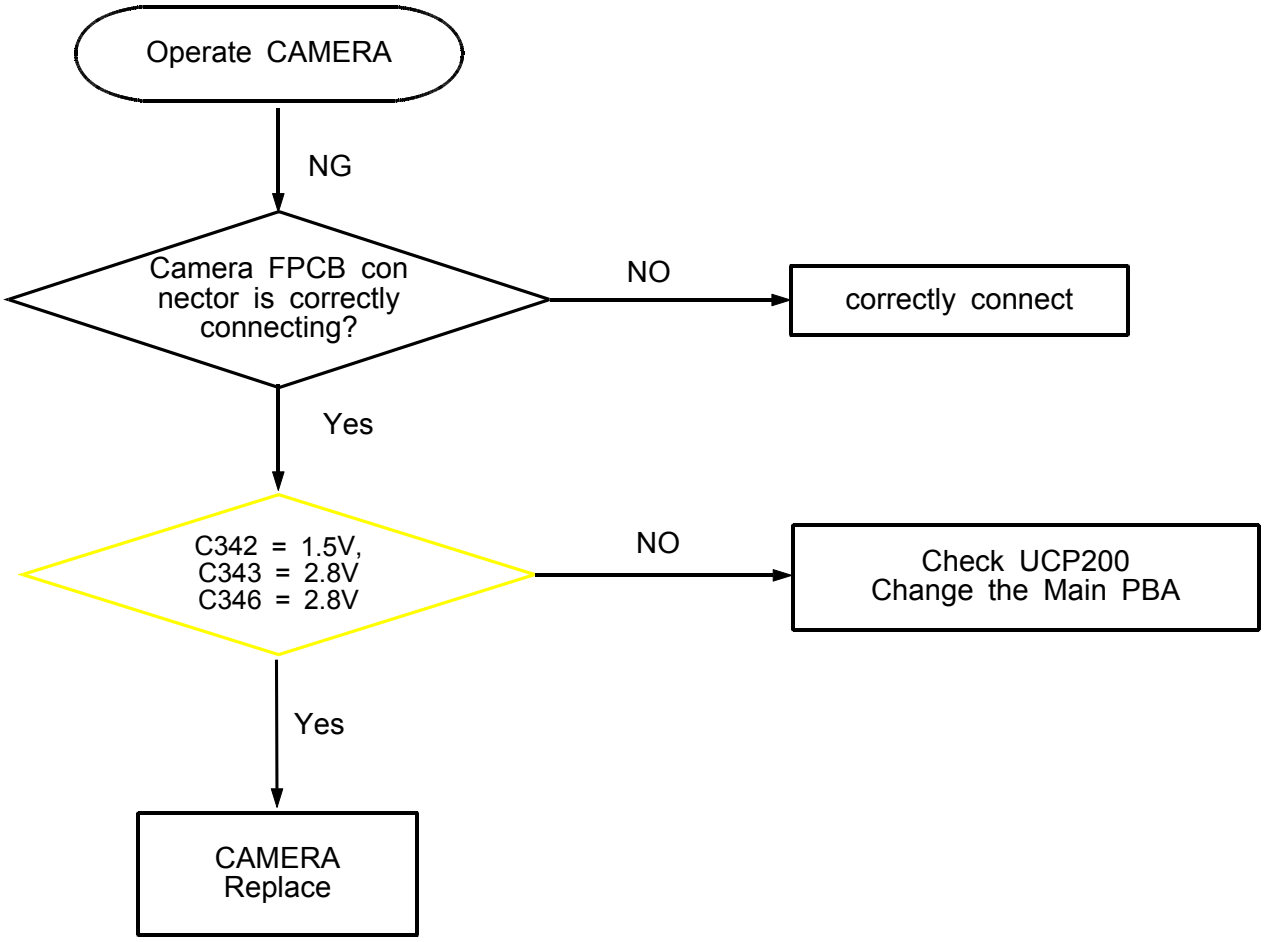
8-3-9 CAMERA Working



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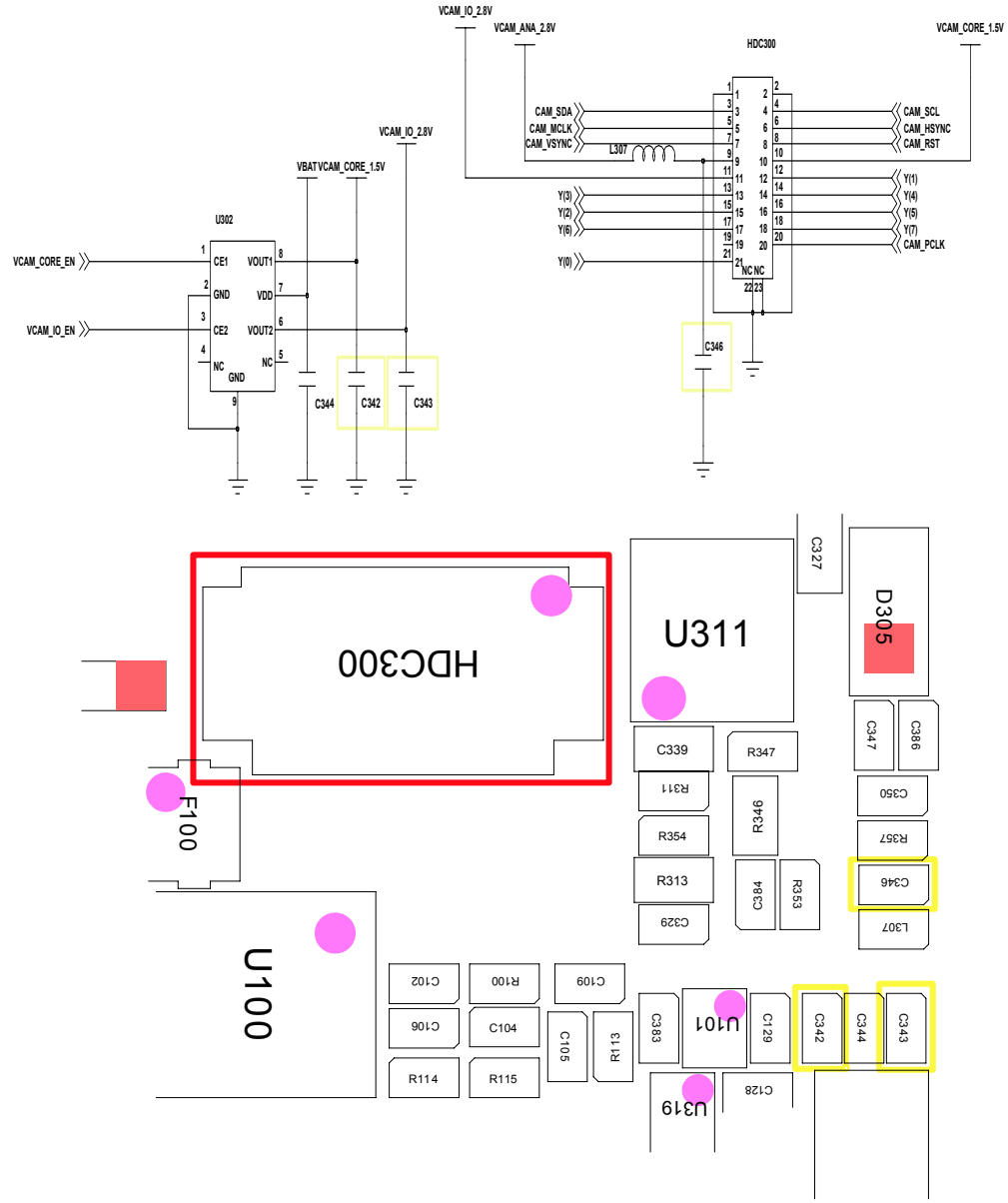

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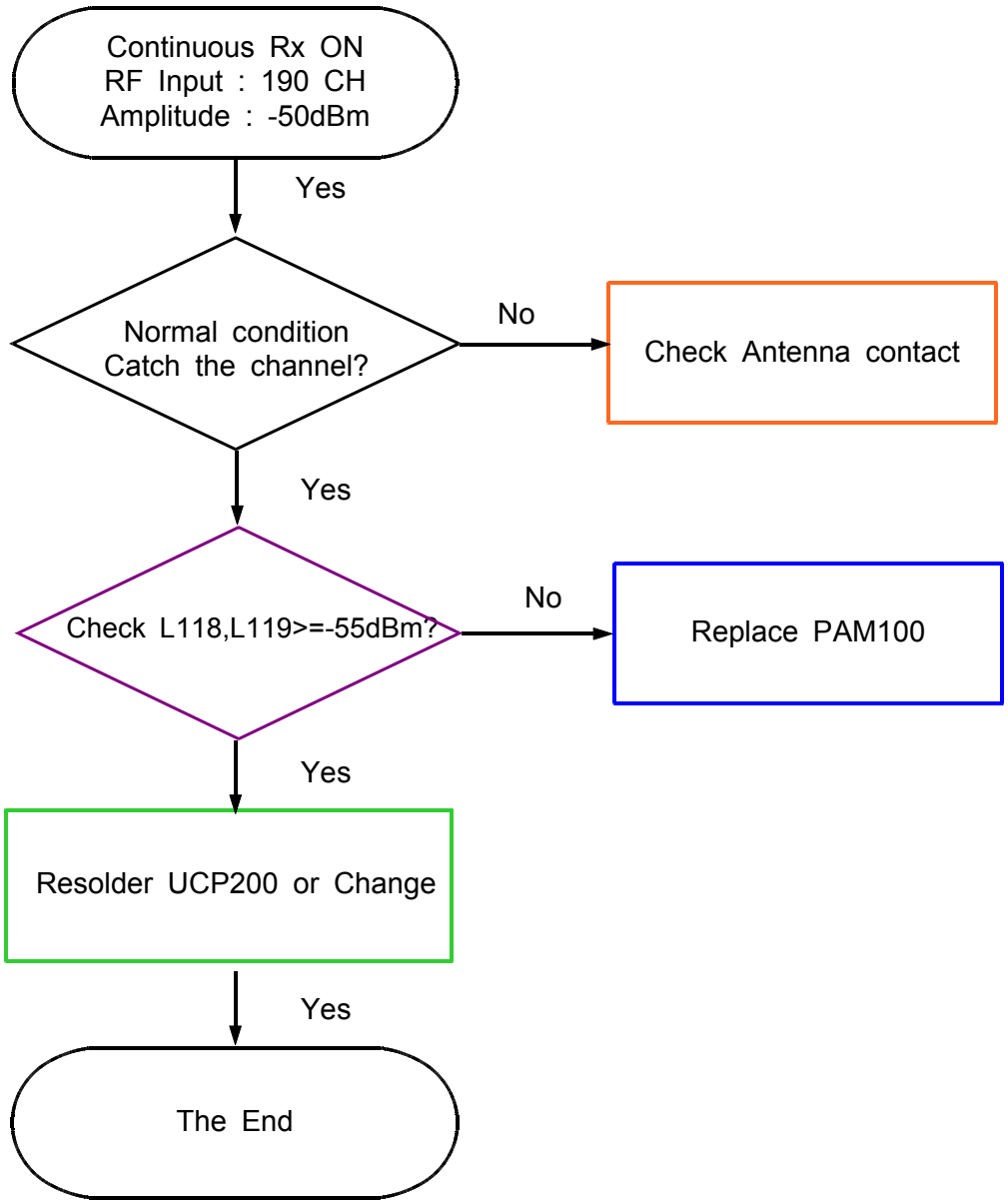
8-4-1. GSM850 RX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



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8-4-2. GSM900 RX

**If you check the tx chain,
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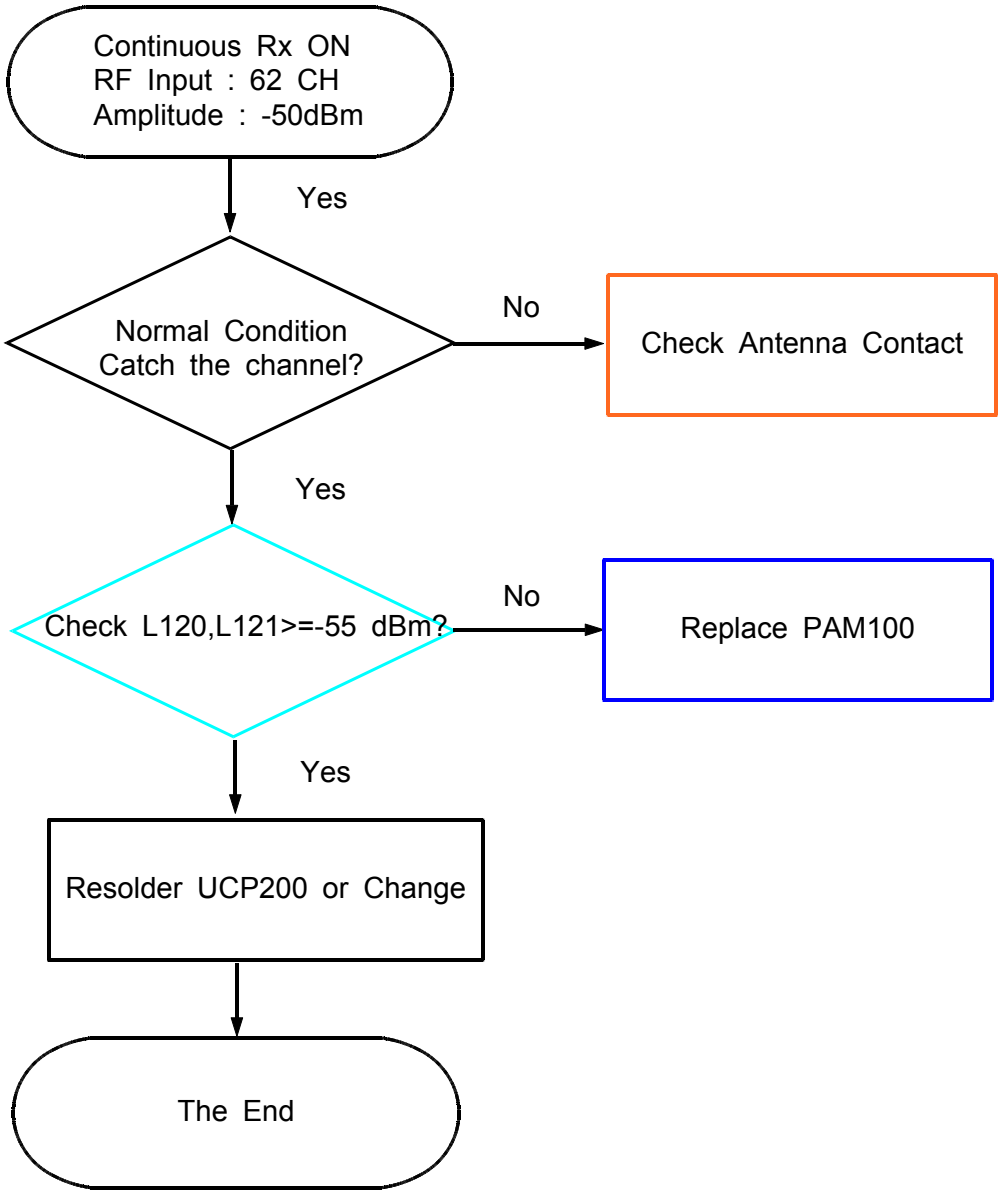

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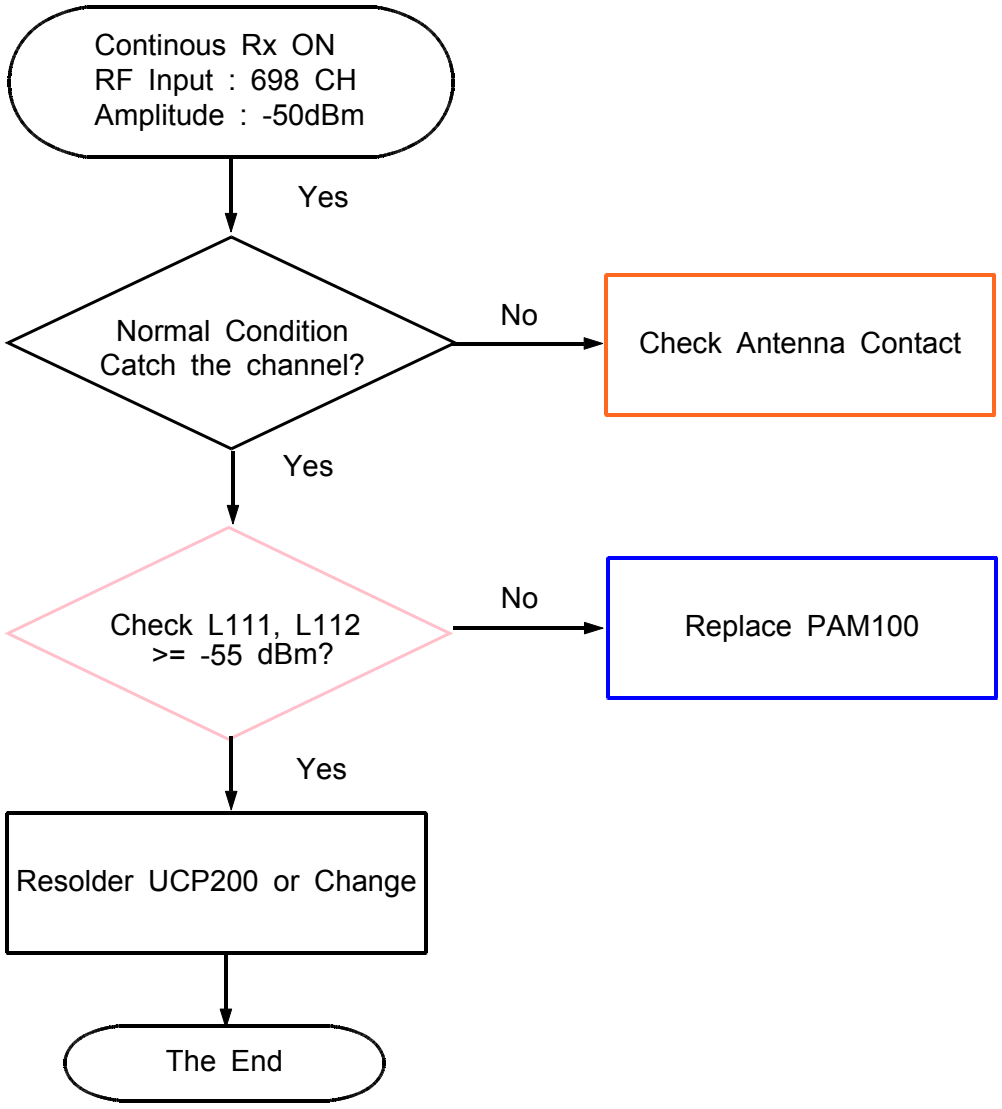
8-4-3. DCS/PCS RX

**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.



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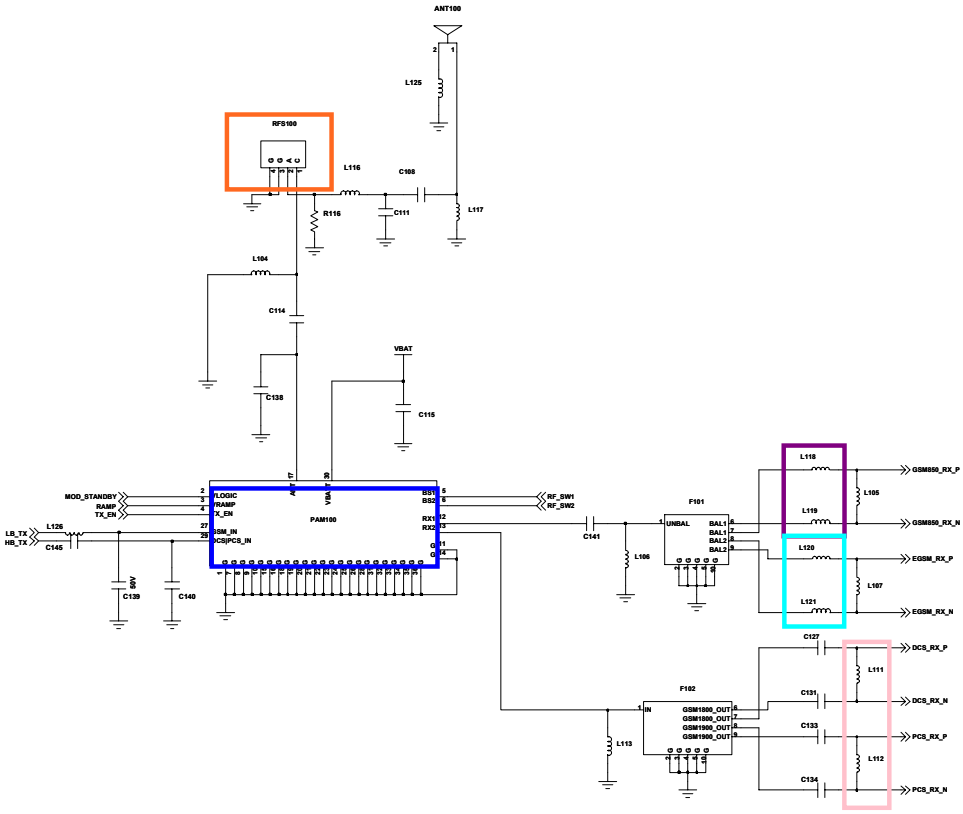

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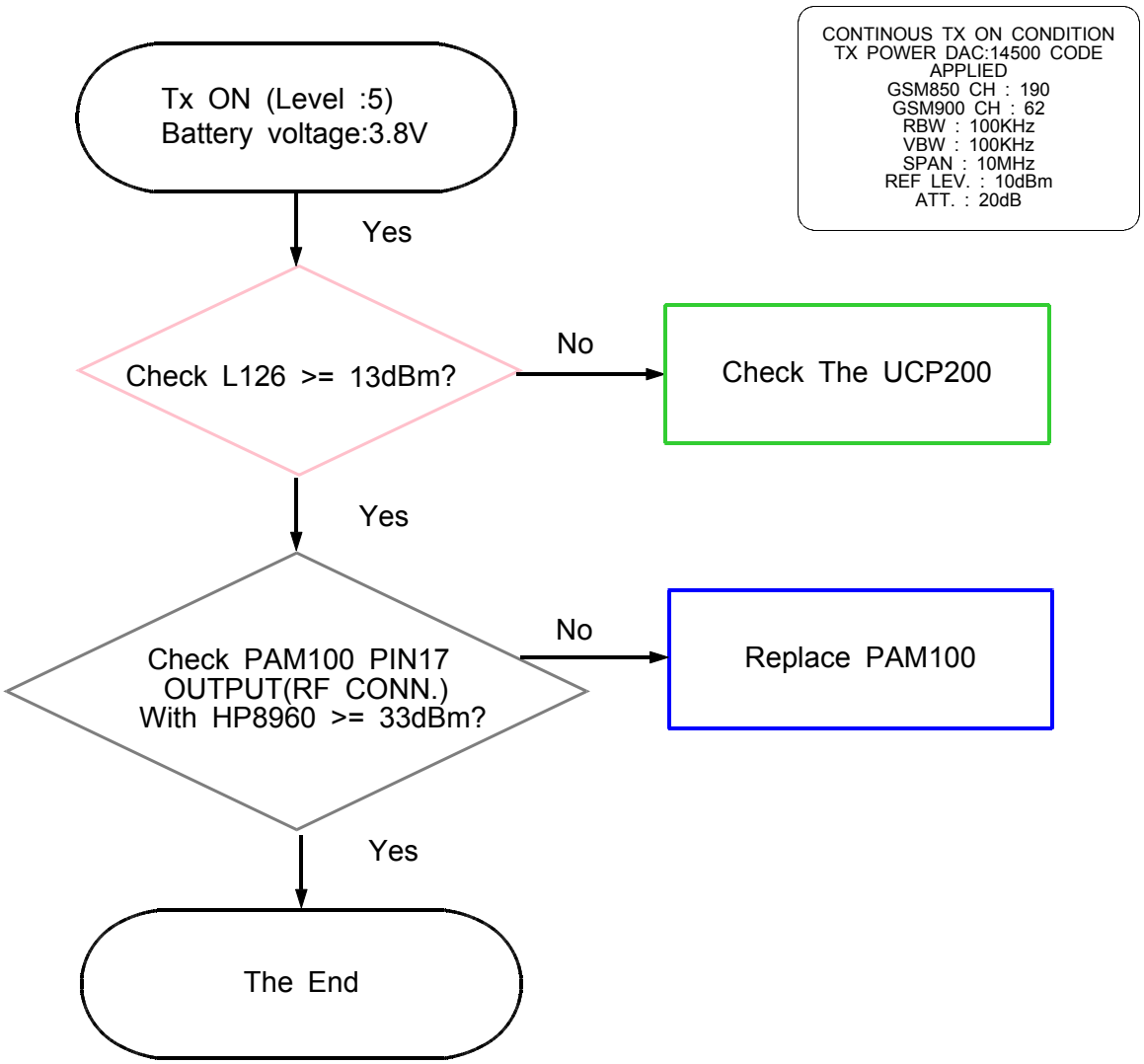
8-4-4. GSM850/900 TX

**If you check the tx chain,

Check the not only RF Device but also resistor, inductor and capacitor.



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8-4-7. DCS/PCS TX

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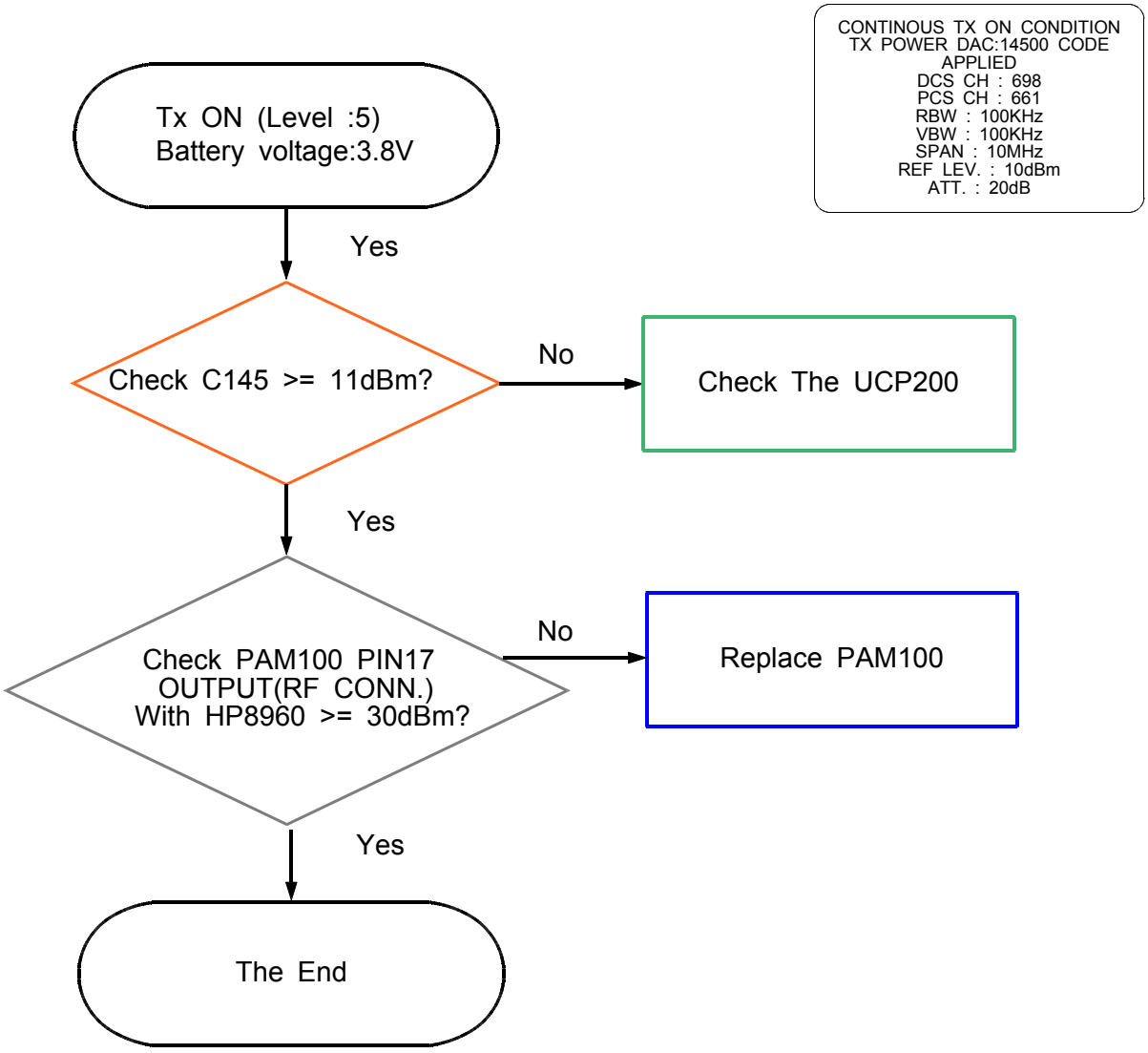

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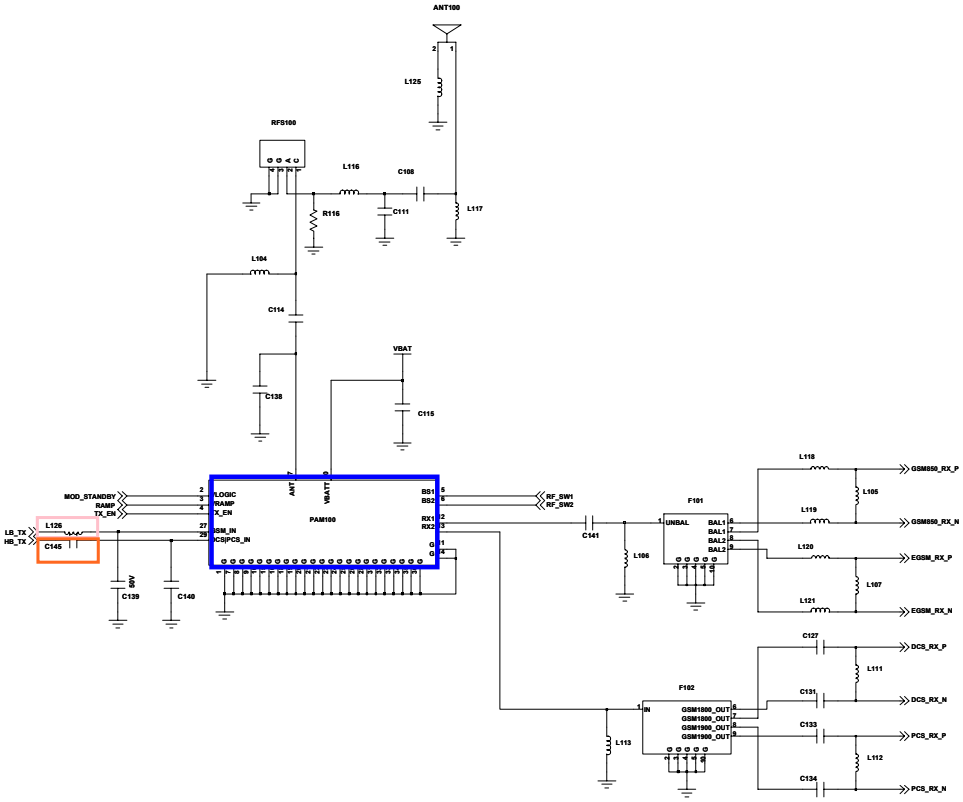

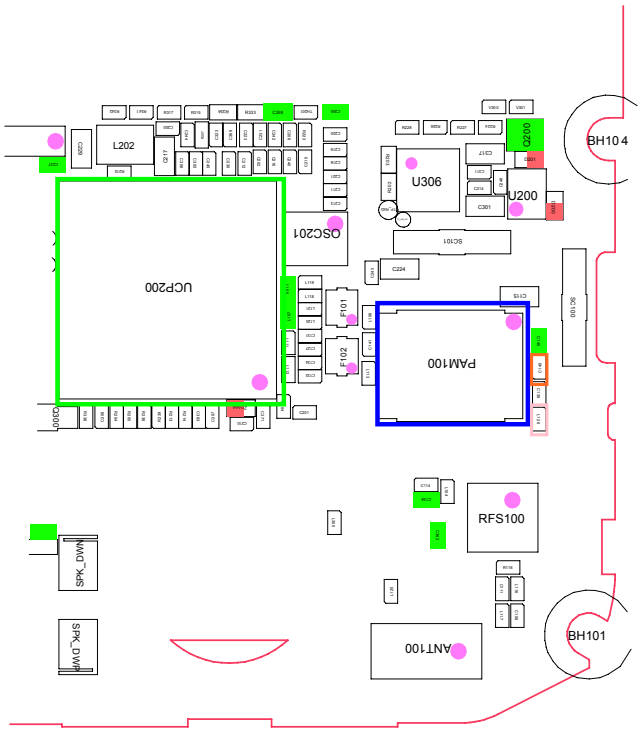

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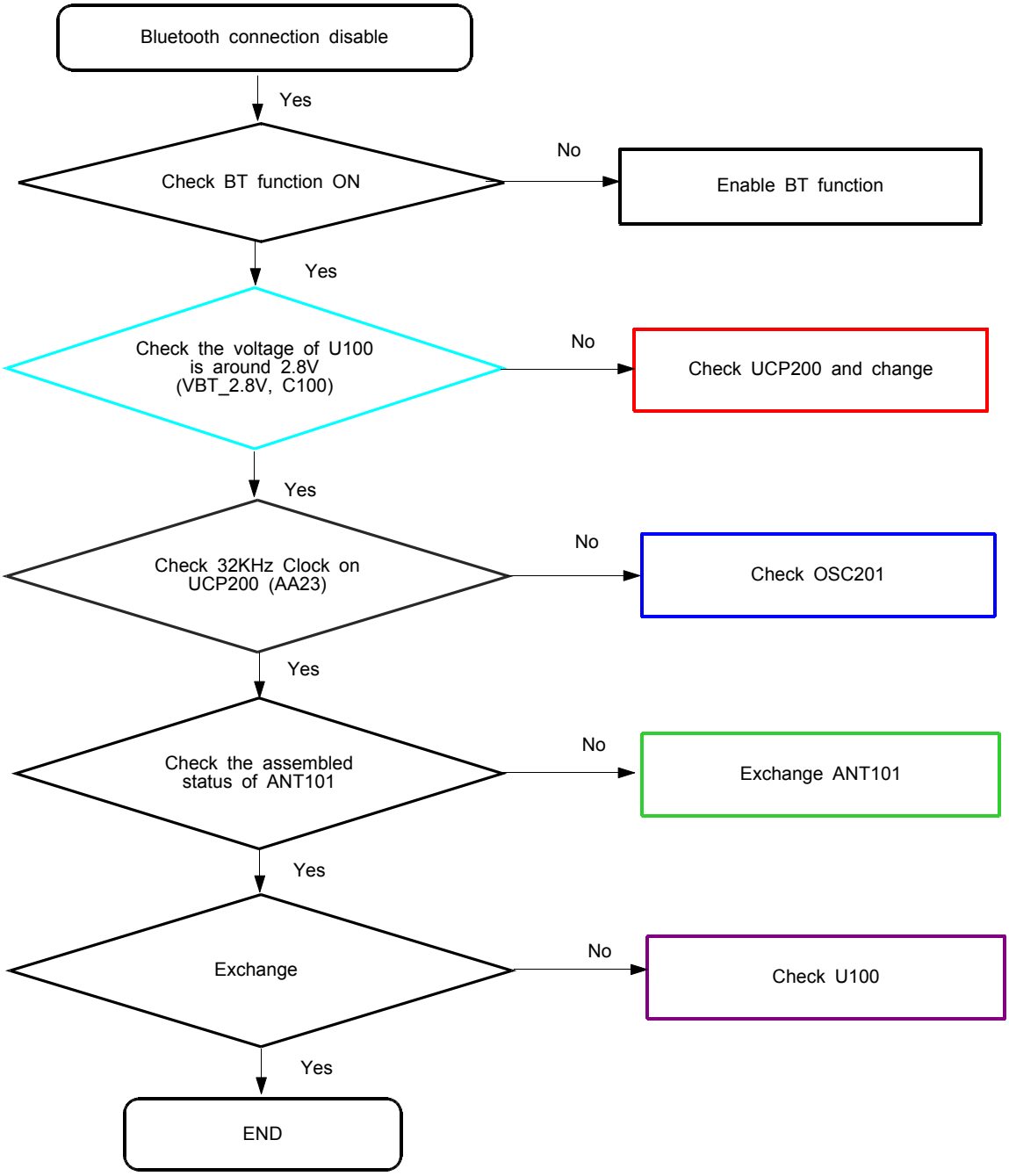
8-4-8 BLUETOOTH



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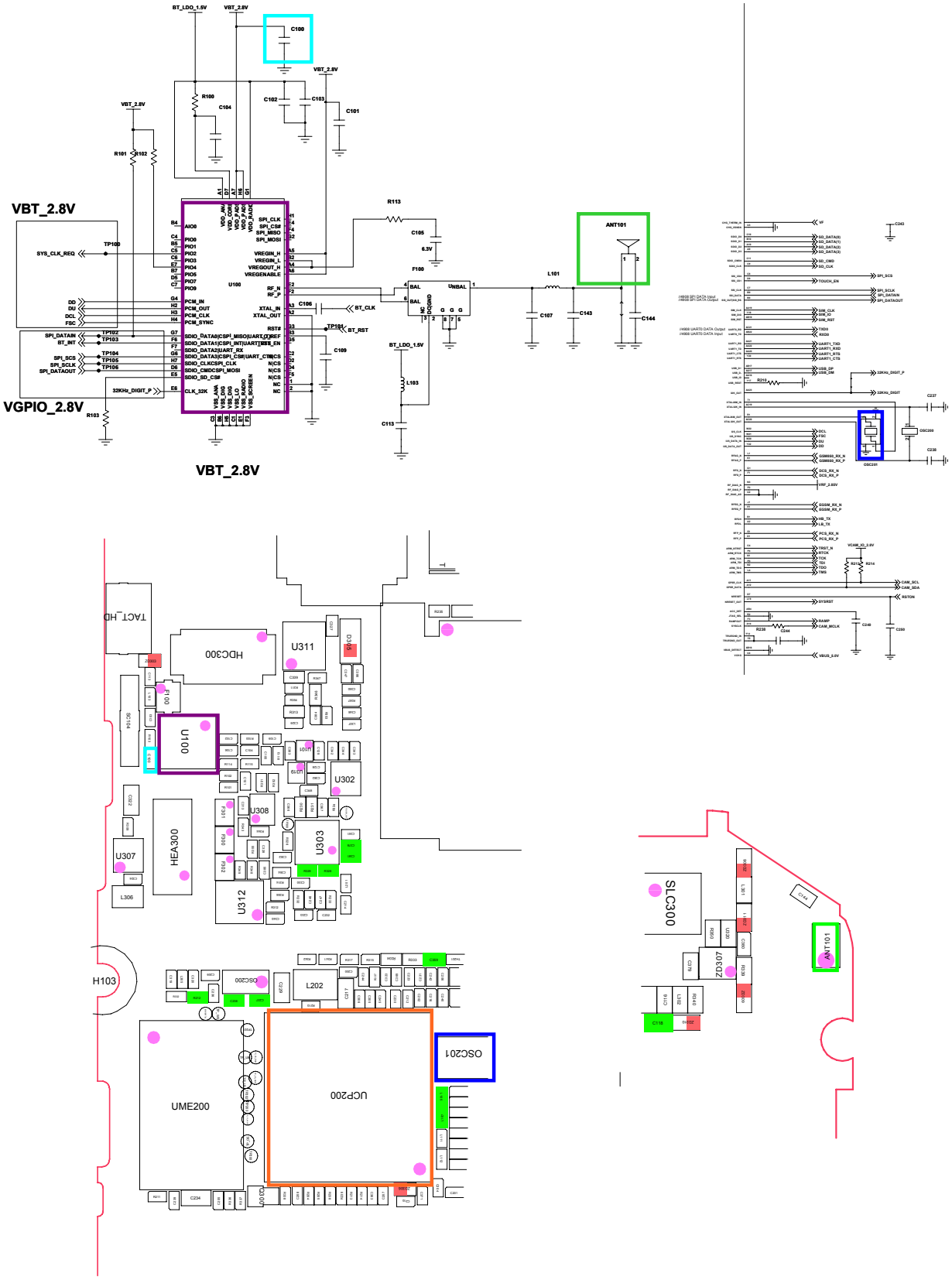

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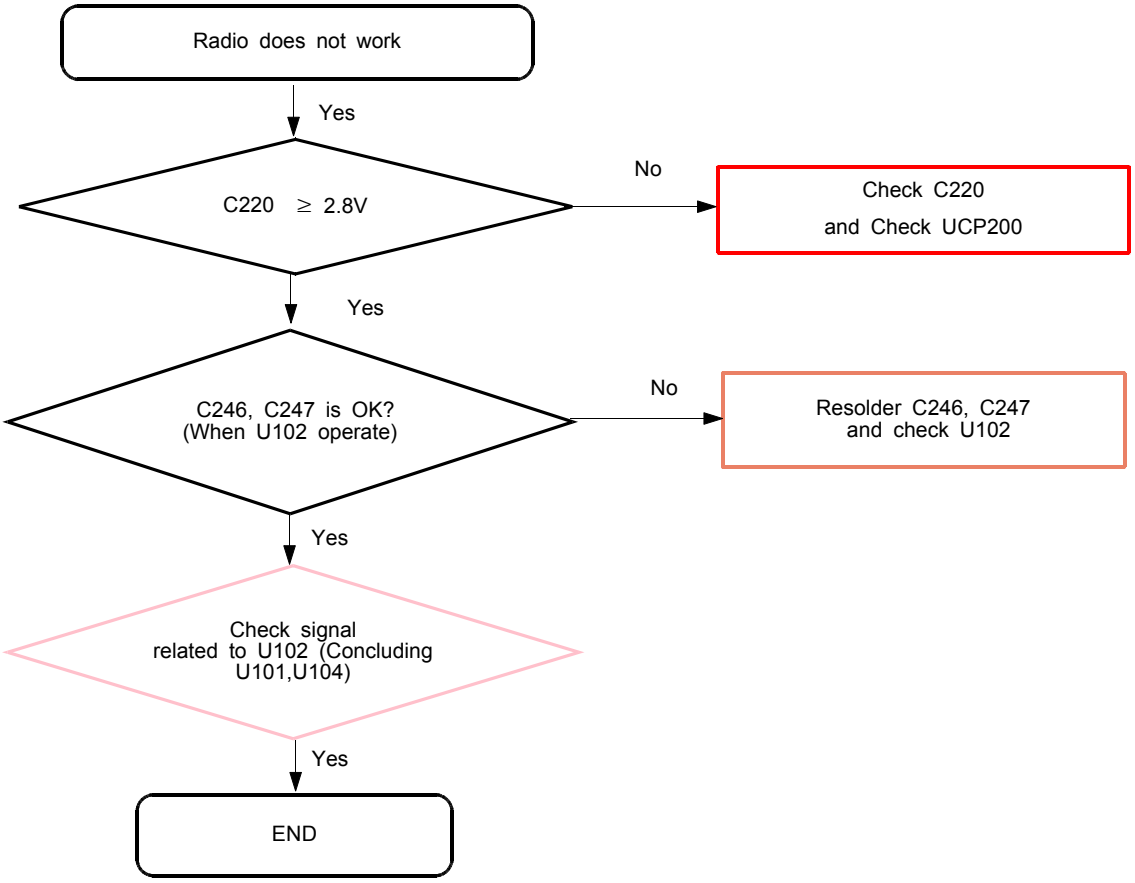
8-4-11. FM RADIO



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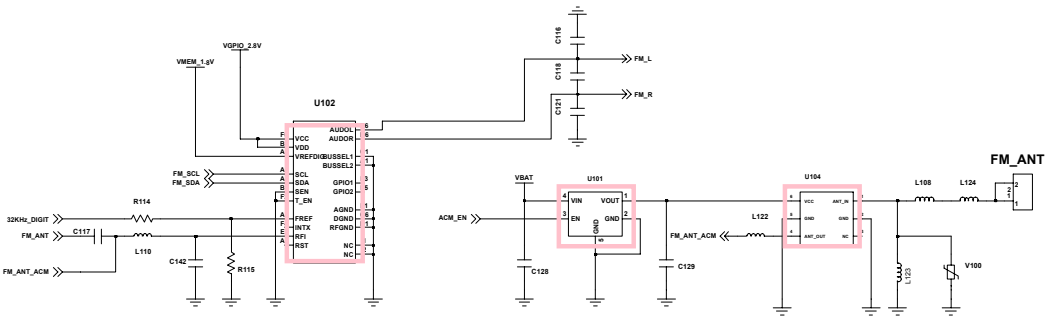
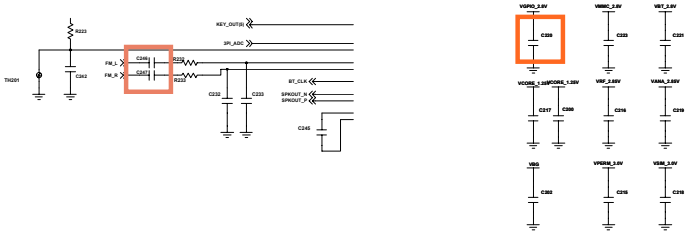
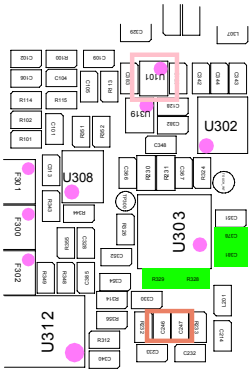
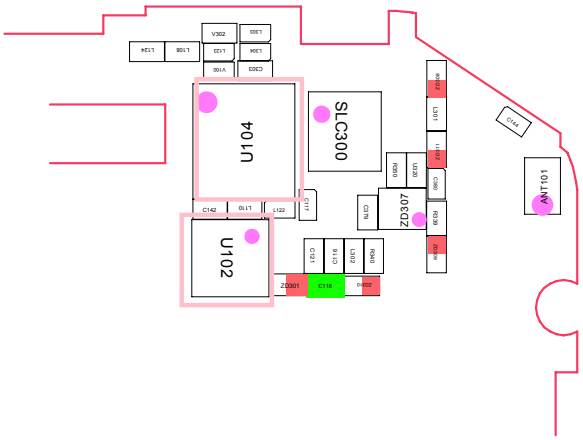
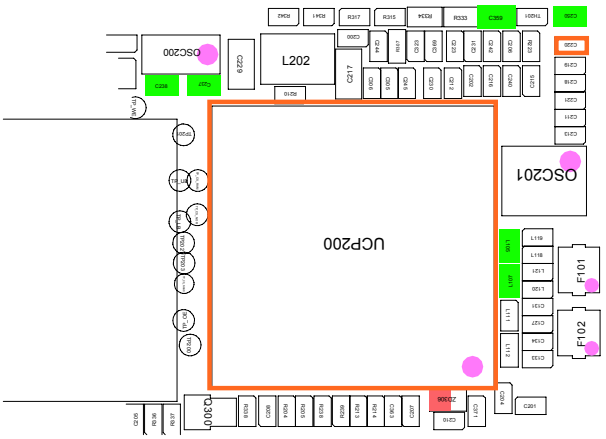




SIM300







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8-4. Service Schematics

- NC Point(Top View)

● : NC

U101

	1	2	3	4	5	6	7
A	O	O	O	O	O	O	O
B		O	O	●	●	O	●
C	O	●	O	●	●	●	●
D		●		●	●	O	O
E	O	O		●	O	O	O
F		O	O	●	●	O	O
G	O	●	O	O	●	O	O
H	●	O	O	O	O	O	O

U102

	1	2	3	4	5	6
A	O	●	O	O	O	O
B	O					O
C	O					O
D	O					O
E	O					O
F	O	O	●	●	●	O

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UME200

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A	●	●	●	O	O	O	O	O	●	●
B	O	●	●	O	O	O	O	O	●	●
C	O	●	●	O	O	O	O	●	●	O
D	●	●	●	O	O	O	O	●	●	●
E	●	O	●	O	O	O	●	O	O	●
F	●	●	●					●	●	●
G	●	●	●					●	●	●
H	●	●	●					●	●	●
J	●	●	●					●	●	●
K	●	●	●					●	●	●
L	●	●	O					●	●	●
M	●	O	O					●	●	O
N	●	O	O	O	O	O	O	O	O	O
O	●	O	O	O	O	O	O	O	O	●
P	O	O	O	O	O	O	O	O	O	O
R	O	O	O	O	O	O	O	O	O	O
T	O	O	O	O	O	O	O	O	O	O
U	●	O	O	O	O	O	O	O	O	●

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UCP200

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A	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
B	O	O	●	O	O	O	O	O	O	O	O	O	O	O	●	O	O	O	O	O	O	O	O	O
C	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
D	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
E	O	O	O	O		O															O	O	O	O
F	O	O	O	O																O	O		O	O
G	O	O	O	O															O	●	O		O	O
H	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O	O	O	O
J	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O		O	O
K	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O		O	O
L	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O	O	O	O
M	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O		O	●
N	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O	O	O	O
P	O	O	O	O					O	O	O	O	O	O	O	O			O	O	O		O	O
R	O	O	O	●					O	O	O	O	O	O	O	O			O	O	O		O	O
T	O	O	O	●					O	O	O	O	O	O	O	O			O	●	O		O	O
U	O	O	O	O					O	O	O	O	O	O	O	O				O	O		●	O
V	O	O	O	O																	O	●	O	O
W	O	O	O	O																	O	O	O	O
Y	O	O	O	O	O	●	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
AA	O	O	O	O	O	●	O	O	●	●	O	O	O	O	O	O	O	O	O	O	O	O	O	O
AB	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	●	O	O	O
AC	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O

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U306

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E	O	O	O	O	O
D	O	●	O	O	O
C	O	O	O	O	O
B	O	O	O	O	O
A	O	O	O	O	O

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5. MAIN Electrical Parts List

Design LOC	SEC CODE	Description
D305	0403-001688	USFZ5.6V-RTK/H
D301	0406-001223	PG05DBTFC
D302	0406-001223	PG05DBTFC
D303	0406-001223	PG05DBTFC
D304	0406-001223	PG05DBTFC
ZD308	0406-001223	PG05DBTFC
ZD309	0406-001223	PG05DBTFC
ZD310	0406-001223	PG05DBTFC
ZD311	0406-001223	PG05DBTFC
D200	0406-001281	ESDALC6V1-1M2
D201	0406-001281	ESDALC6V1-1M2
ZD301	0406-001281	ESDALC6V1-1M2
ZD303	0406-001281	ESDALC6V1-1M2
ZD304	0406-001281	ESDALC6V1-1M2
ZS305	0406-001281	ESDALC6V1-1M2
ZD306	0406-001281	ESDALC6V1-1M2
ZD307	0406-001361	PESD5V0U5BV
Q300	0505-001518	SI1012R
U200	0505-002712	PMGD780SN
U301	1001-001546	STG5223QTR
U306	1001-001646	MAX8929EWA
U303	1003-002287	ISA2000
UME200	1108-000355	KAP202N00M-BWEW
U311	1201-002494	TPA6201A1DRBR
U312	1201-002494	TPA6201A1DRBR
PAM100	1201-002985	SKY77548
U308	1202-001068	TC75S56FE
U302	1203-004291	RP150K006A-TR
U101	1203-005521	MIC5365-2.8YMT
U319	1203-005521	MIC5365-2.8YMT
U307	1203-006111	FAN5341UMPX
U102	1204-003022	TEA5996UK
U100	1205-003517	BC63B239A04-IYB-E4S
UCP200	1205-004012	PNX4908
TH201	1404-001221	NCP15WB473J04RC
V100	1405-001291	LXES15AAA1-017

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Design LOC	SEC CODE	Description
V300	1405-001291	LXES15AAA1-017
V301	1405-001291	LXES15AAA1-017
V302	1405-001291	LXES15AAA1-017
R310	2007-000138	RC1005J101CS
R351	2007-000138	RC1005J101CS
R339	2007-000140	RC1005J102CS
R340	2007-000140	RC1005J102CS
R213	2007-000141	RC1005J222CS
R214	2007-000141	RC1005J222CS
R334	2007-000141	RC1005J222CS
R230	2007-000143	RC1005J472CS
R231	2007-000143	RC1005J472CS
R357	2007-000143	RC1005J472CS
R202	2007-000148	RC1005J103CS
R203	2007-000148	RC1005J103CS
R204	2007-000148	RC1005J103CS
R205	2007-000148	RC1005J103CS
R211	2007-000148	RC1005J103CS
R229	2007-000148	RC1005J103CS
R325	2007-000151	RC1005J153CS
R313	2007-000152	RC1005J203CS
R314	2007-000152	RC1005J203CS
R337	2007-000152	RC1005J203CS
R346	2007-000152	RC1005J203CS
R348	2007-000152	RC1005J203CS
R232	2007-000153	RC1005J223CS
R233	2007-000153	RC1005J223CS
R324	2007-000157	RC1005J473CS
R312	2007-000161	RC1005J823CS
R349	2007-000161	RC1005J823CS
R101	2007-000162	RC1005J104CS
R102	2007-000162	RC1005J104CS
R103	2007-000162	RC1005J104CS
R114	2007-000162	RC1005J104CS
R224	2007-000162	RC1005J104CS
R226	2007-000162	RC1005J104CS

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Design LOC		Description
R227	2007-000162	RC1005J104CS
R228	2007-000162	RC1005J104CS
R333	2007-000162	RC1005J104CS
R115	2007-000164	RC1005J154CS
R338	2007-000165	RC1005J204CS
R326	2007-000168	RC1005J474CS
R343	2007-000170	RC1005J105CS
R350	2007-000170	RC1005J105CS
R352	2007-000170	RC1005J105CS
R336	2007-000758	RC1005J334CS
R344	2007-000758	RC1005J334CS
R116	2007-002796	MCR01MZP5J511
R315	2007-003001	TSR16GJ120V
R317	2007-003001	TSR16GJ120V
R341	2007-003001	TSR16GJ120V
R342	2007-003001	TSR16GJ120V
R100	2007-003015	MCR01MZP5J2R2
R113	2007-003015	MCR01MZP5J2R2
R311	2007-007021	MCR01MZP5J753
R347	2007-007021	MCR01MZP5J753
R238	2007-007156	RC1005J1R0CS
R239	2007-007156	RC1005J1R0CS
R223	2007-007538	RK73H1ETP5602F
R353	2007-008403	RC1005F364CS
R354	2007-008403	RC1005F364CS
R355	2007-008403	RC1005F364CS
R356	2007-008403	RC1005F364CS
R309	2007-008736	RC1005F150CS
R210	2007-008766	ERJ2RKF6041X
C302	2203-000233	GRP1555C1H101J
C304	2203-000233	GRP1555C1H101J
C361	2203-000233	GRP1555C1H101J

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Design LOC	SEC CODE	Description
C363	2203-000233	GRP1555C1H101J
C366	2203-000233	GRP1555C1H101J
C367	2203-000233	GRP1555C1H101J
C371	2203-000233	GRP1555C1H101J
C377	2203-000233	GRP1555C1H101J
C109	2203-000254	GRP155R71C103K
C117	2203-000254	GRP155R71C103K
C231	2203-000254	GRP155R71C103K
C242	2203-000254	GRP155R71C103K
C145	2203-000278	GRP1555C1H100D
C142	2203-000330	GRP1555C1H120J
C103	2203-000386	GRP1555C1H150J
C320	2203-000386	GRP1555C1H150J
C305	2203-000425	GRP1555C1H180J
C306	2203-000425	GRP1555C1H180J
C323	2203-000425	GRP1555C1H180J
C106	2203-000438	GRP155R71H102K
C116	2203-000438	GRP155R71H102K
C121	2203-000438	GRP155R71H102K
C240	2203-000438	GRP155R71H102K
C248	2203-000438	GRP155R71H102K
C332	2203-000438	GRP155R71H102K
C338	2203-000438	GRP155R71H102K
C364	2203-000438	GRP155R71H102K
C365	2203-000438	GRP155R71H102K
C379	2203-000438	GRP155R71H102K
C380	2203-000438	GRP155R71H102K
C143	2203-000696	GRP1555C1H2R0C
C352	2203-000725	GRP155R71H392KA01E
C114	2203-000812	GRP1555C1H330J
C141	2203-000812	GRP1555C1H330J
C232	2203-000812	GRP1555C1H330J
C233	2203-000812	GRP1555C1H330J
C319	2203-001153	GRP1555C1H680J
C107	2203-002668	C1005CG1H0R5BT
C200	2203-002709	C1005Y5V1C104ZT

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Design LOC	SEC CODE	Description
C201	2203-002709	C1005Y5V1C104ZT
C204	2203-002709	C1005Y5V1C104ZT
C205	2203-002709	C1005Y5V1C104ZT
C206	2203-002709	C1005Y5V1C104ZT
C207	2203-002709	C1005Y5V1C104ZT
C208	2203-002709	C1005Y5V1C104ZT
C209	2203-002709	C1005Y5V1C104ZT
C210	2203-002709	C1005Y5V1C104ZT
C239	2203-002709	C1005Y5V1C104ZT
C346	2203-002709	C1005Y5V1C104ZT
C111	2203-005234	GRP1555C1H1R2CZ01E
C127	2203-005234	GRP1555C1H1R2CZ01E
C131	2203-005234	GRP1555C1H1R2CZ01E
C133	2203-005234	GRP1555C1H1R2CZ01E
C134	2203-005234	GRP1555C1H1R2CZ01E
C144	2203-005281	GRP1555C1H1R5BZ01E
C113	2203-005288	GRP1555C1H1R0BZ01E
C102	2203-005344	GRM155R71E223KA61D
C303	2203-005344	GRM155R71E223KA61D
C139	2203-005395	C1005CG1H4R7BT
C108	2203-005444	GRP1555C1H3R0B
C100	2203-006048	GRM155R71A104K
C246	2203-006048	GRM155R71A104K
C247	2203-006048	GRM155R71A104K
C314	2203-006048	GRM155R71A104K
C350	2203-006048	GRM155R71A104K
C351	2203-006048	GRM155R71A104K
C217	2203-006208	CM105X5R475M06AT
C243	2203-006260	GRM155R61A224KE19E
C301	2203-006324	GRM188R61A225KE19D
C317	2203-006348	CV105X5R105K25AT
C129	2203-006399	GRM155R60J105KE19D
C202	2203-006399	GRM155R60J105KE19D
C211	2203-006399	GRM155R60J105KE19D
C212	2203-006399	GRM155R60J105KE19D
C213	2203-006399	GRM155R60J105KE19D

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Design LOC	SEC CODE	Description
C215	2203-006399	GRM155R60J105KE19D
C218	2203-006399	GRM155R60J105KE19D
C219	2203-006399	GRM155R60J105KE19D
C220	2203-006399	GRM155R60J105KE19D
C221	2203-006399	GRM155R60J105KE19D
C230	2203-006399	GRM155R60J105KE19D
C236	2203-006399	GRM155R60J105KE19D
C244	2203-006399	GRM155R60J105KE19D
C245	2203-006399	GRM155R60J105KE19D
C313	2203-006399	GRM155R60J105KE19D
C327	2203-006399	GRM155R60J105KE19D
C328	2203-006399	GRM155R60J105KE19D
C336	2203-006399	GRM155R60J105KE19D
C339	2203-006399	GRM155R60J105KE19D
C340	2203-006399	GRM155R60J105KE19D
C342	2203-006399	GRM155R60J105KE19D
C343	2203-006399	GRM155R60J105KE19D
C344	2203-006399	GRM155R60J105KE19D
C357	2203-006399	GRM155R60J105KE19D
C368	2203-006399	GRM155R60J105KE19D
C369	2203-006399	GRM155R60J105KE19D
C382	2203-006399	GRM155R60J105KE19D
C383	2203-006399	GRM155R60J105KE19D
C128	2203-006562	CV05X5R105K10AH
C311	2203-006562	CV05X5R105K10AH
C324	2203-006562	CV05X5R105K10AH
C329	2203-006585	CL05B153KO5NNNC
C330	2203-006585	CL05B153KO5NNNC
C384	2203-006585	CL05B153KO5NNNC
C385	2203-006585	CL05B153KO5NNNC
C224	2203-006824	CV105X5R475K10AT
C101	2203-006872	GRM155R60J225ME15D
C104	2203-006872	GRM155R60J225ME15D
C105	2203-006872	GRM155R60J225ME15D
C216	2203-006872	GRM155R60J225ME15D
C348	2203-006872	GRM155R60J225ME15D

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Design LOC	SEC CODE	Description
C234	2203-006890	CV105X5R106M06AT
C322	2203-006978	GMK107BJ105KA-T
C229	2203-007240	CL10A226MQ8NRNE
C354	2203-007271	CL05A225KP5NSNC
C115	2203-007279	CV105X5R106M10AT
C214	2203-007393	CL05A475KP5NRNC
C223	2203-007393	CL05A475KP5NRNC
C347	2203-007393	CL05A475KP5NRNC
C358	2203-007393	CL05A475KP5NRNC
C386	2203-007393	CL05A475KP5NRNC
L103	2703-001708	HK1005-5N6K-T
L111	2703-002170	CIH05T6N8JNC
L117	2703-002199	CIH05T12NKNC
L118	2703-002204	CIH05T22NJNC
L119	2703-002204	CIH05T22NJNC
L120	2703-002204	CIH05T22NJNC
L121	2703-002204	CIH05T22NJNC
L113	2703-002205	CIH05T3N9KNC
L116	2703-002207	CIH05T3N3SNC
L108	2703-002269	CIH05T56NJNC
L124	2703-002269	CIH05T56NJNC
L106	2703-002281	CIH05T5N6SNC
L126	2703-002281	CIH05T5N6SNC
L308	2703-002308	CIH05T68NJNC
L309	2703-002308	CIH05T68NJNC
L300	2703-002313	CIH05TR10JNC
L310	2703-002313	CIH05TR10JNC
L104	2703-002314	CIH05T47NJNC
L101	2703-002367	CIH05T1N0SNC
L125	2703-002368	CIH05T1N8SNC
L112	2703-002608	LQW15AN6N8H00D
L110	2703-003121	MLG1005SR15J
L122	2703-003121	MLG1005SR15J
L202	2703-003297	APIS08G4R7MT
L123	2703-003476	LQG15HSR27J02D
L306	2703-003748	LPS181210T-100M

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Design LOC	SEC CODE	Description
OSC201	2801-004769	CXC6X260000GHVRP70
OSC200	2801-004902	ST3215SB32768E0HPWBB
F300	2901-001469	AVRC-18S-03Q-007-010R
F301	2901-001469	AVRC-18S-03Q-007-010R
F302	2901-001469	AVRC-18S-03Q-007-010R
F100	2903-001424	TBB-2012-245-C1E
F101	2904-001891	SAWEN881MCY0F00
F102	2904-001920	SFRG42MY002
MIC300	3003-001138	SPU0410LR5H-QB
L307	3301-001729	BLM15AG102SN1D
L201	3301-001885	BLM15HD182SN1D
L301	3301-001917	BLM15BD182SN1
L302	3301-001917	BLM15BD182SN1
L305	3301-001917	BLM15BD182SN1
U320	3301-001917	BLM15BD182SN1
L303	3301-002070	MCB1005S601FBPG
L304	3301-002070	MCB1005S601FBPG
TACT_DN	3404-001152	LS10N2-T
TACT_HD	3404-001152	LS10N2-T
TACT_UP	3404-001152	LS10N2-T
RFS100	3705-001503	KMS-560
HDC300	3708-002222	FH26-21S-0.3SHBW
SIM300	3709-001488	5000-6P-1.5S
CD300	3709-001605	104070-0811
BTC300	3711-006808	KQ03SB1-3R
HEA300	3711-007446	5024302410
SLC300	3711-007478	BM10SB-10DP-0.4V
FM_ANT	3712-001348	HJ-ICT-05Y
SPK_DWN	3712-001348	HJ-ICT-05Y
SPK_DWP	3712-001348	HJ-ICT-05Y
IF300	3722-002840	HY07-AB0700
EAR300	3722-003107	IJAN4-63
ANT101	4202-001512	LDA212G4410K-283
U104	4709-001865	ENPM45139F
SC100	GH70-03951A	ONBOARD-CLIP-7
SC101	GH70-03951A	ONBOARD-CLIP-7

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Design LOC	SEC CODE	Description
SC104	GH70-03951A	ONBOARD-CLIP-7
R234	GH80-03320A	PB-SHORT-1005
R235	GH80-03320A	PB-SHORT-1005
R236	GH80-03320A	PB-SHORT-1005
R237	GH80-03320A	PB-SHORT-1005
R307	RES-Z1005-S	RES-Z1005-SHORT-P
R332	RES-Z1005-S	RES-Z1005-SHORT-P
R345	RES-Z1005-S	RES-Z1005-SHORT-P

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

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