SAMSUNG

GSM TELEPHONE

SGH-L810V

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. 05 Rev.1.0

2. Specification

2-1. GSM General Specification

	EGSM 900	DCS 1800	PCS 1900	WCDMA2100
Freq. Band[MHz] Uplink/Downlink	880~915 925~960	1710~1785 1805~1880	1850~1910 1930~1990	1920~1980 2110~2170
ARFCN range	0~124 & 975~1023	512~885	512~810	UL:9612~9888 DL:10562~10838
Tx/Rx spacing	45MHz	95MHz	80MHz	190MHz
Mod. Bit rate/ Bit Period	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us	3.84Mcps
Time Slot Period/Frame Period	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms	Frame length : 10ms Slot length: 0.667ms
Modulation	0.3GMSK	0.3GMSK	0.3GMSK	QPSK HQPSK
MS Power	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm	24dBm~ -50dBm
Power Class	4 (max +33dBm)	1 (max +30dBm)	1 (max +30dBm)	3 (max +24dBm)
Sensitivity	-102dBm	-100dBm	-100dBm	-106.7dBm
TDMA Mux	8	8	8	NA
Cell Radius	35Km	2Km	2Km	2Km

2-2. GSM Tx Power Class

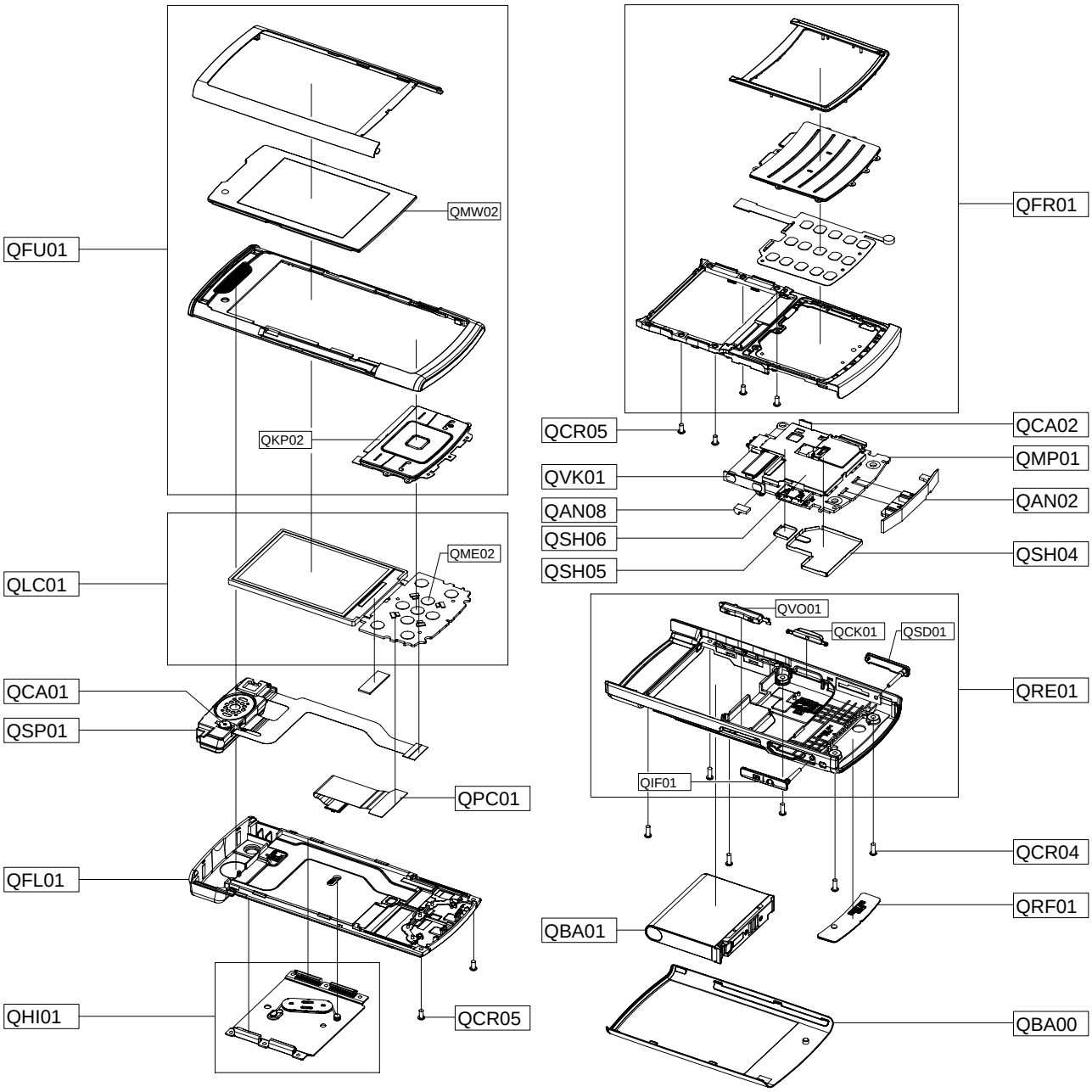
TX Power control level	GSM900
5	33±2 dBm
6	31±2 dBm
7	29±2 dBm
8	27±2 dBm
9	25±2 dBm
10	23±2 dBm
11	21±2 dBm
12	19±2 dBm
13	17±2 dBm
14	15±2 dBm
15	13±2 dBm
16	11±3 dBm
17	9±3dBm
18	7±3 dBm
19	5±3 dBm

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±4dBm
12	6±4 dBm
13	4±4 dBm
14	2±5 dBm
15	0±5 dBm

TX Power control level	PCS1800
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±4dBm
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

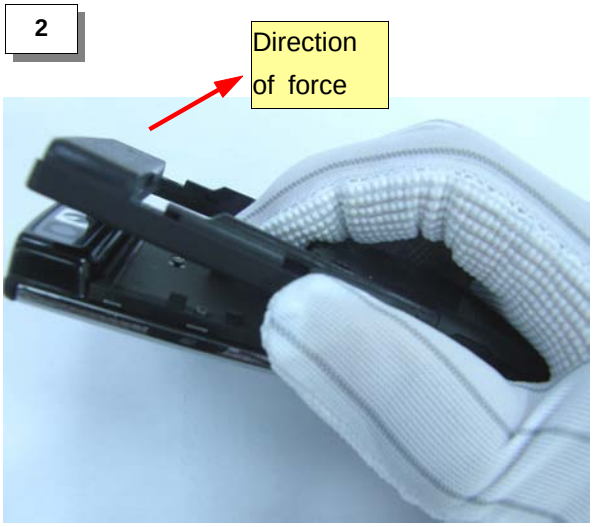
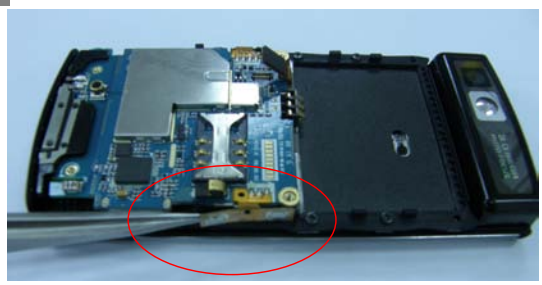
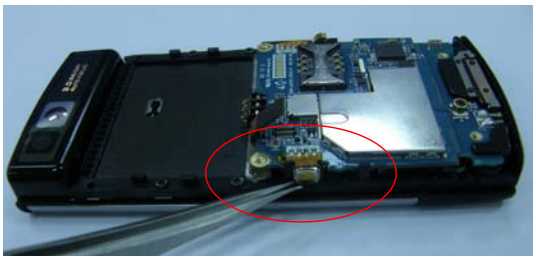


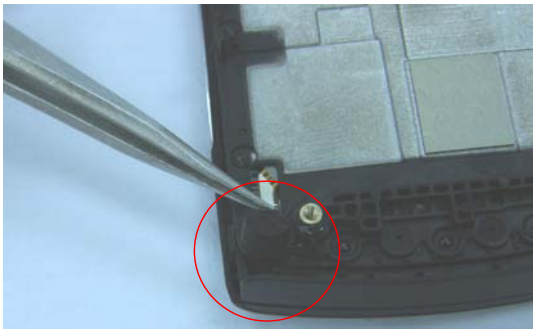
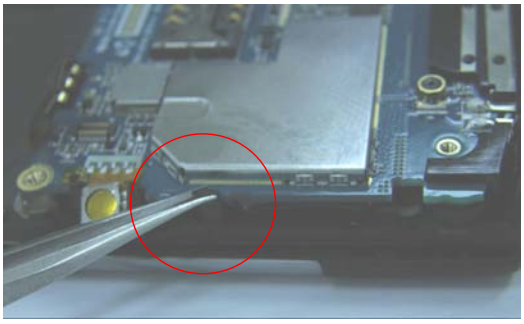
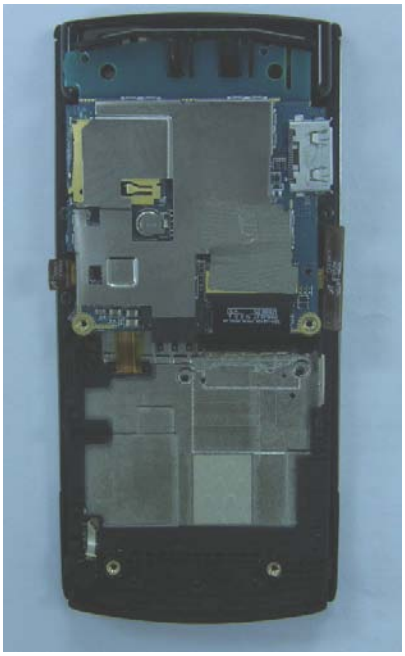
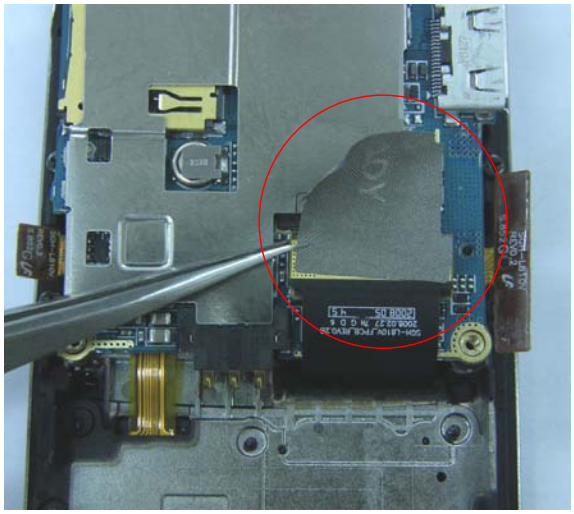
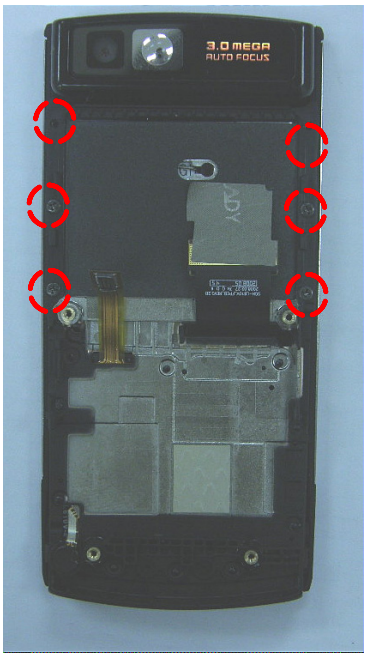
5-2. Cellular phone Parts list

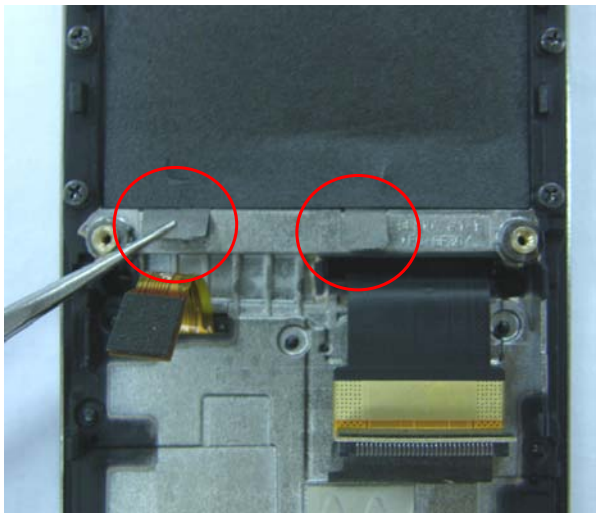
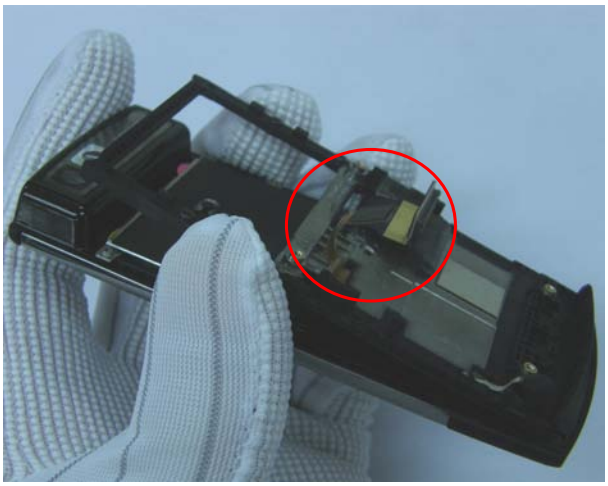
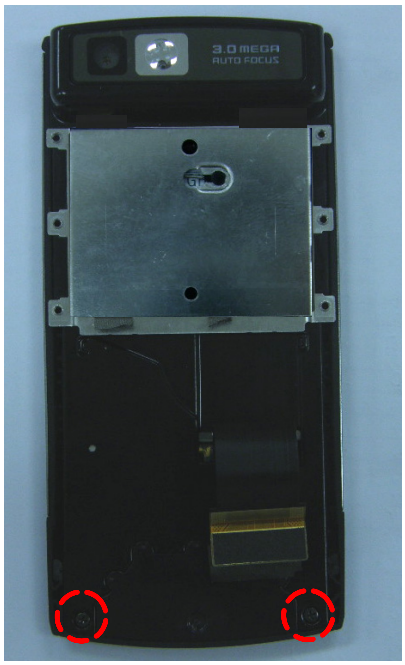
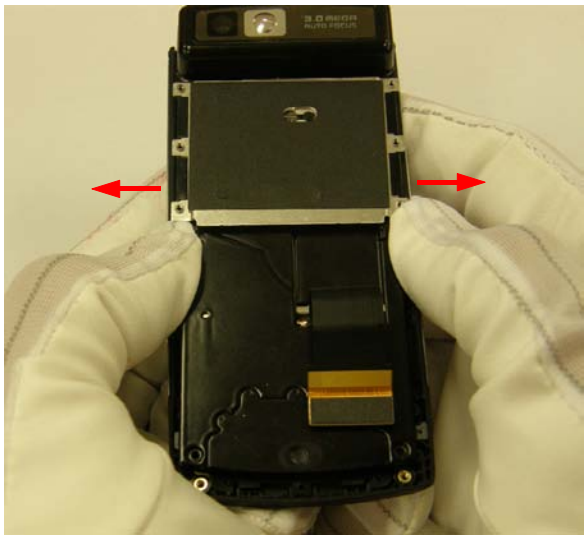
Design LOC		Discription	SEC CODE
QAN02		INTENNA-SGHL810V	GH42-01578A
QAN08		ASSY RUBBER-BATT CONTACT	GH98-08972A
QBA00		ASSY CASE-BATT	GH98-08202A
QBA01		INNER BATTERY PACK-880MAH , BL	GH43-02666A
QCA01		CAMERA MODULE-SGHL810V 3M/CIF	GH59-05738A
QCA02		KEY FPCB-SGHL810V CAMERA KEY	GH59-05740A
QCR04		SCREW-MACHINE	6001-001479
QCR05		SCREW-MACHINE	6001-001478
QCR05		SCREW-MACHINE	6001-001478
QFL01		ASSY CASE-SLIDE LOWER	GH98-08184A
QFR01		ASSY CASE-FRONT	GH98-08181A
QHI01		ASSY HINGE-MODULE	GH98-08183A
QMP01		PBA MAIN-SGHL810V	GH92-04564A
QPC01		FPC-SGHZV70 MAIN FPCB	GH41-02156A
QRF01		PMO COVER-RF	GH72-47510A
QSH04		IPR SHIELD-CAN REAR B	GH70-03501A
QSH05		IPR SHIELD-COVER REAR_A	GH70-03211A
QSH06		IPR SHIELD-CAN FRONT	GH70-03502A
QSP01		ASSY ETC-SGHL810V SPK/MOT	GH59-05743A
QVK01		KEY FPCB-SGHL810V VOLUME KEY	GH59-05739A
QLC01		LCD-MODULE SGHZV70	GH07-01287A
	QME02	DOME SHEET-SGHL810V NAVY	GH59-05744A
QFU01		ASSY CASE-SLIDE UPPER	GH98-08178A
	QKP02	ASSY KEYPAD-SUB	GH98-08204A
	QMW02	PMO WINDOW-MAIN	GH72-47514A
QRE01		ASSY CASE-REAR	GH98-08182A
	QCK01	PMO KEY-CAMERA	GH72-47516A
	QIF01	PMO COVER-IF	GH72-47513A
	QSD01	PMO COVER-SD	GH72-47512A
	QVO01	PMO KEY-VOLUME	GH72-47515A

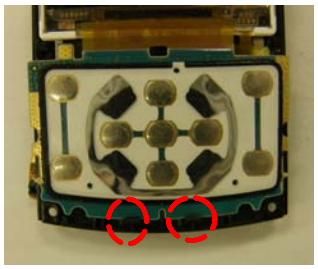
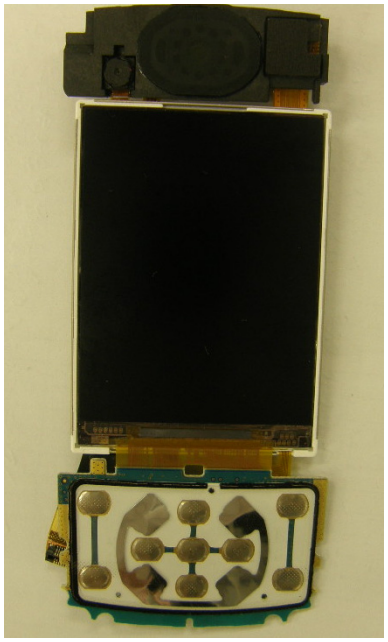
7. Disassembly and Assembly Instructions

7-1. Disassembly

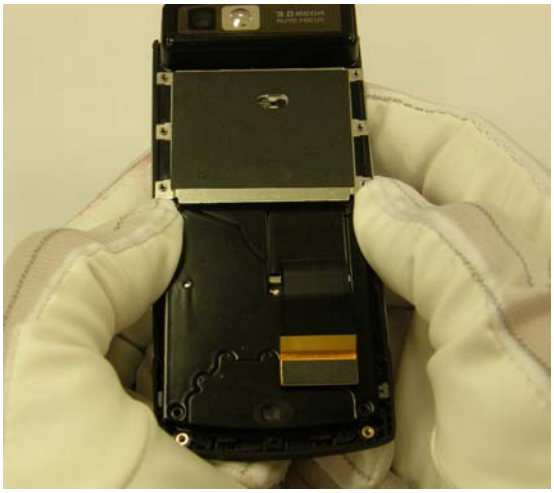
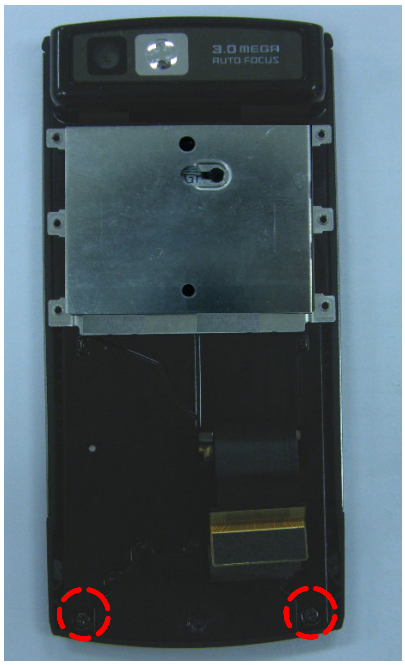
1 	2  1) Be care of the scratch.
1) Unscrew the 6 points of the REAR.	1) Detach the REAR from slide ass`y.
3 	4  
1) Detach the FPCB connector by using the pincette.	1) Detach the volume key from the molding. 2) Detach the camera key from the molding.

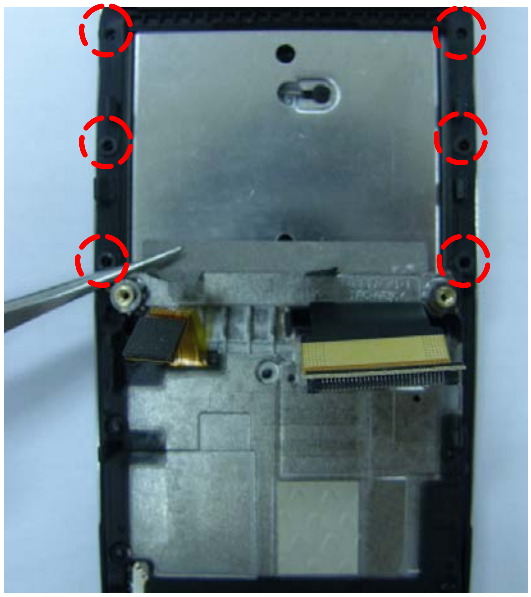
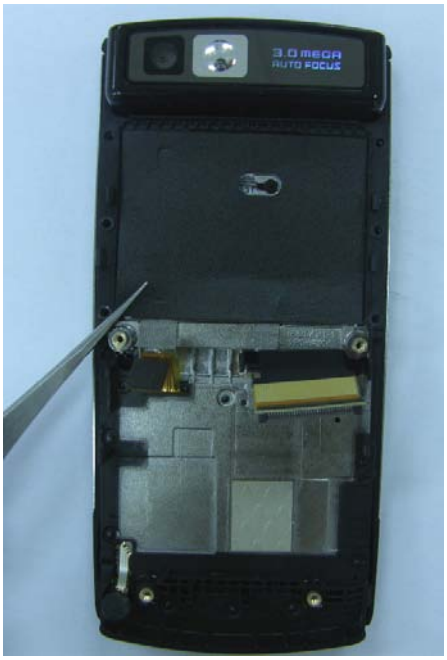
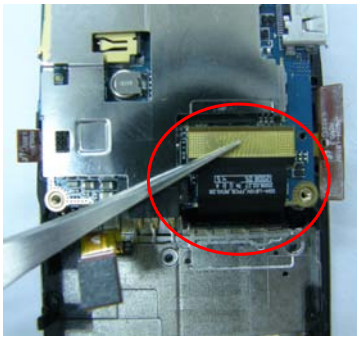
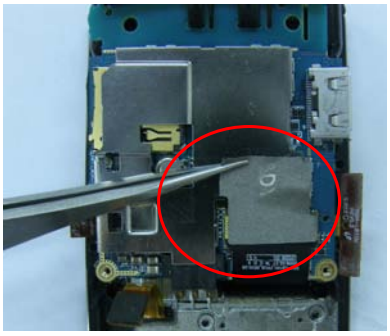
5  	6 
1) Detach the mic from holder by using pincette. 2) Detach the PBA, pushing the rib to the left side.	1) Put the PBA upside down
7 	8 
1) Detach the electric tape by using pincette. 2) Detach the connector from the PBA.	1) Unscrew the 6 points on the LOWER.

9 	10 
1) Detach the electric tape by using pincette.	1) Take out the FPCB connector through the hole. Be careful. 2) Detach the front from the Upper Ass`y.
11 	12 
1) Detach the 2 points on the LOWER bottom.	1) Detach the LOWER from the UPPER.

13  	**14** 
1) Detach the module from top side. 2) Detach the LCD ass`y from the lower. Be careful.	1) The END.

7-2. Assembly

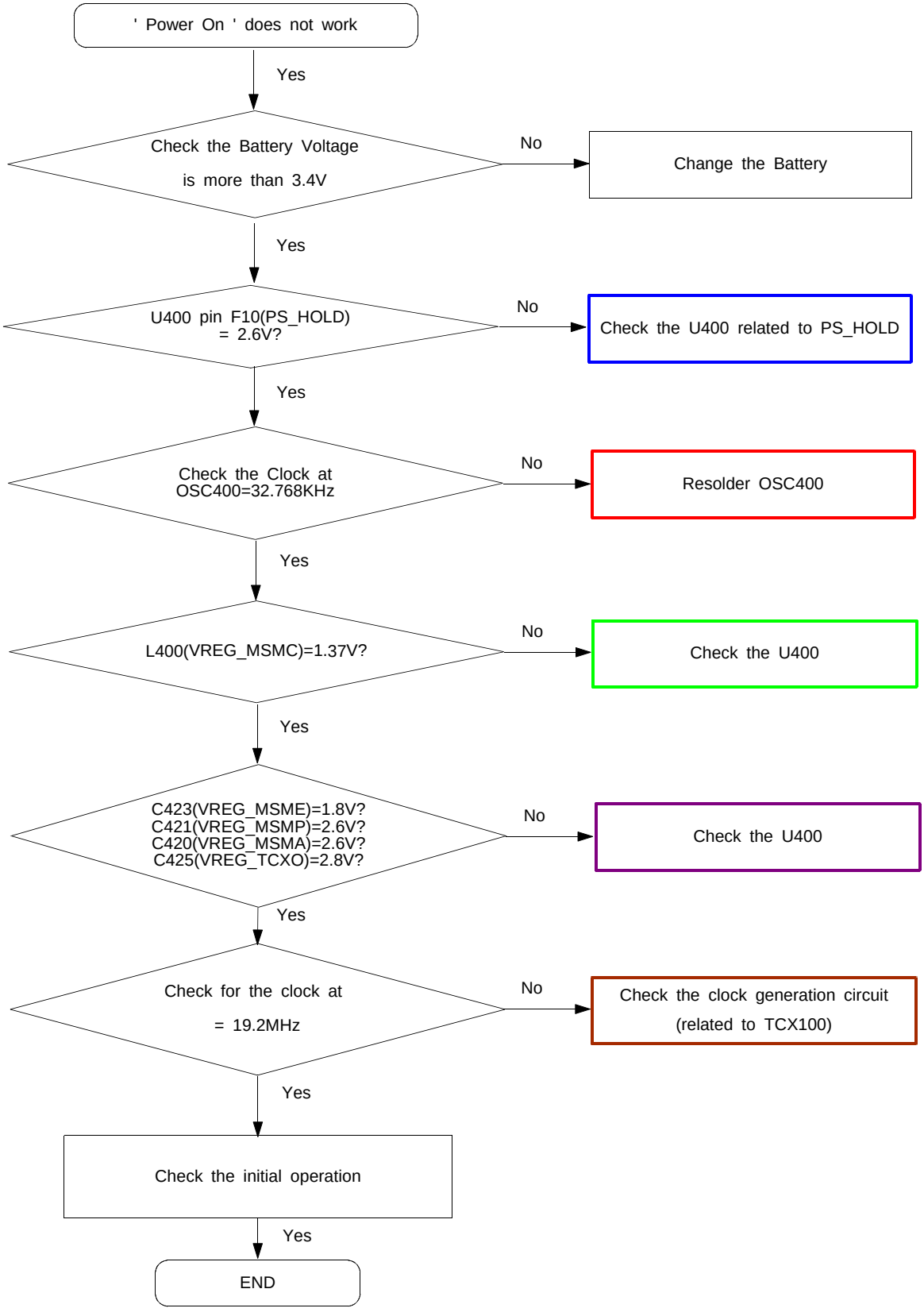
1 	2 
1) Attach the LCD ass`y to the LOWER. 2) Be careful of the bottom side rib.	1) Attach the LOWER to the UPPER.
3 	4 
2) Screw the 2 points on the LOWER bottom side.	1) Put in the FPCB connector through the hole. Be careful of demage.

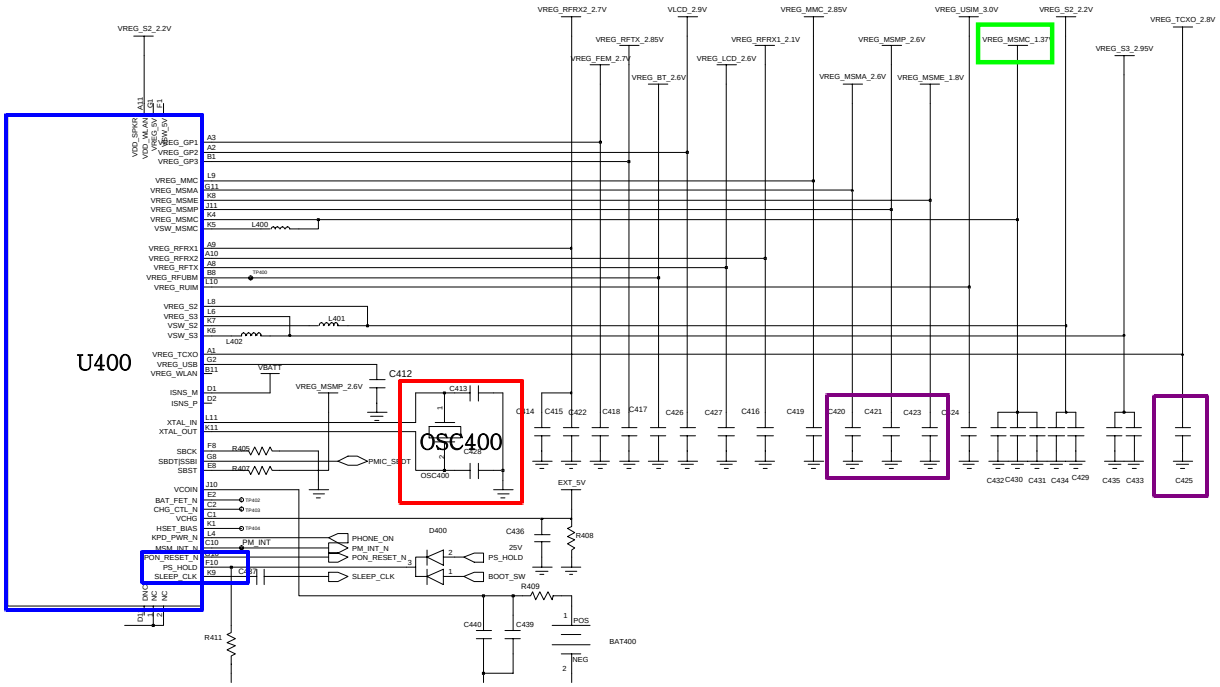
5 	6 
1) Attach the electric tape matching the shape. 2) Screw the 6 point.	1) Attach the non-elctric tape to the LOWER.
7  	8 
1) FPCB 커넥터를 결합한다.Attach the FPCB connector. 2) Attach the electic tape to the top of connector.	1) Turn upside down the PBA 2) Attach the FPCB connector. 3) Attach the key FPCB(volume key, camera key) to the molding.

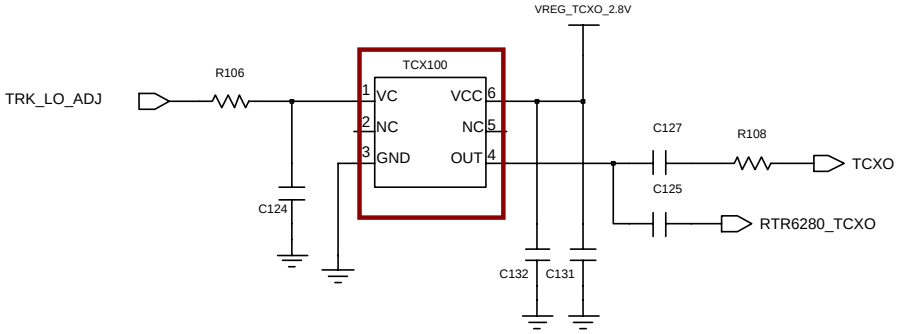
9  1) Be careful of scratch.	**10** 
1) Attach the REAR to the slide ass`y.	1) Screw down six points. 2) The END.

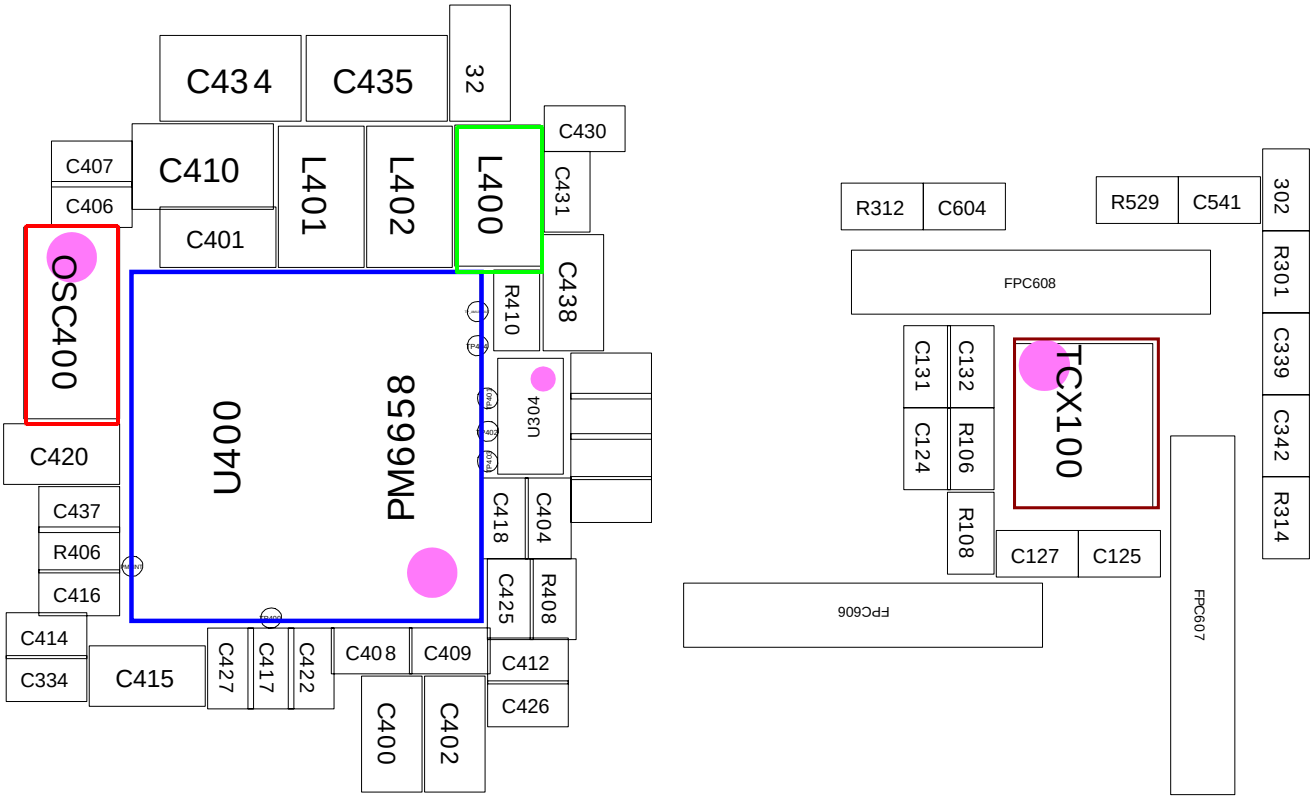
10. Flow Chart of Troubleshooting

10-1. Power On

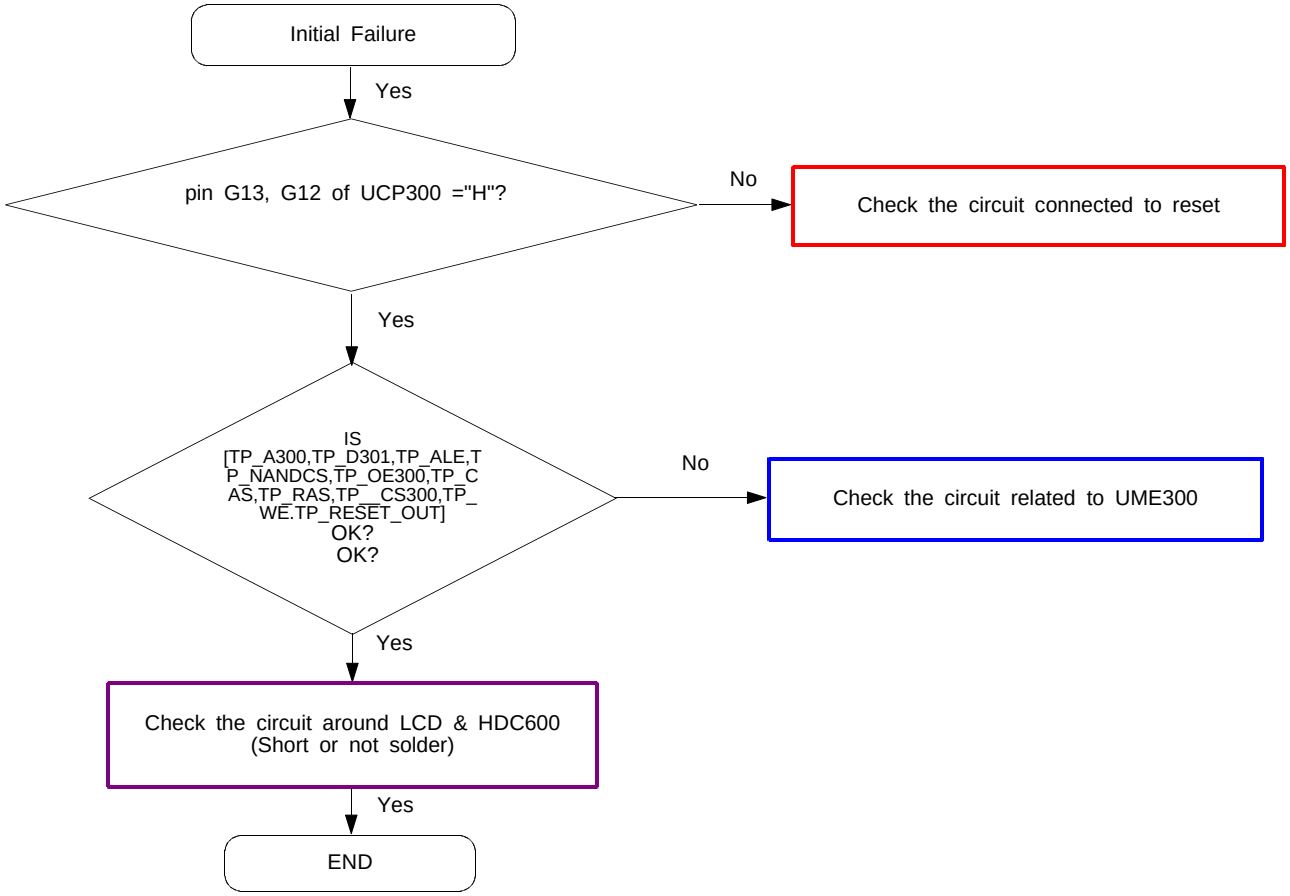


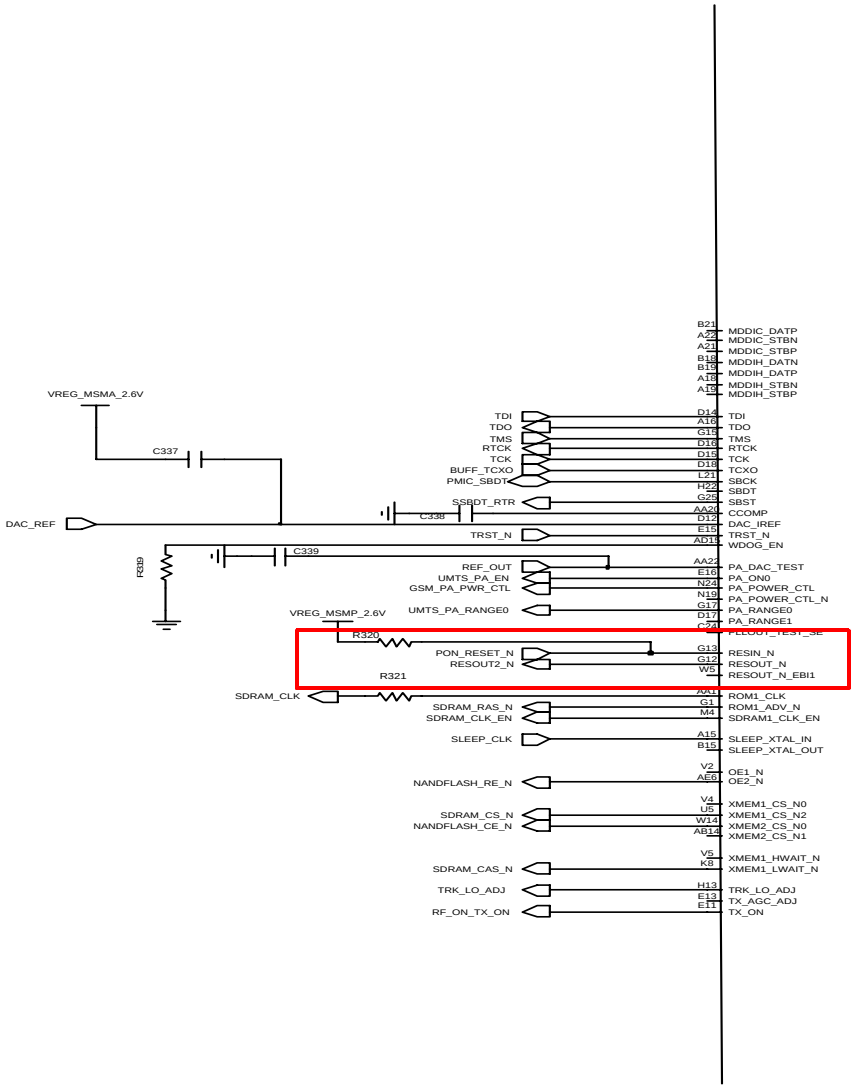


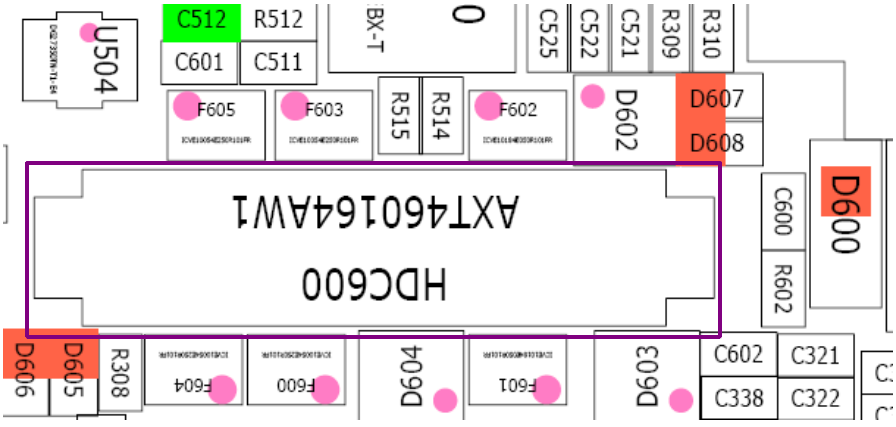


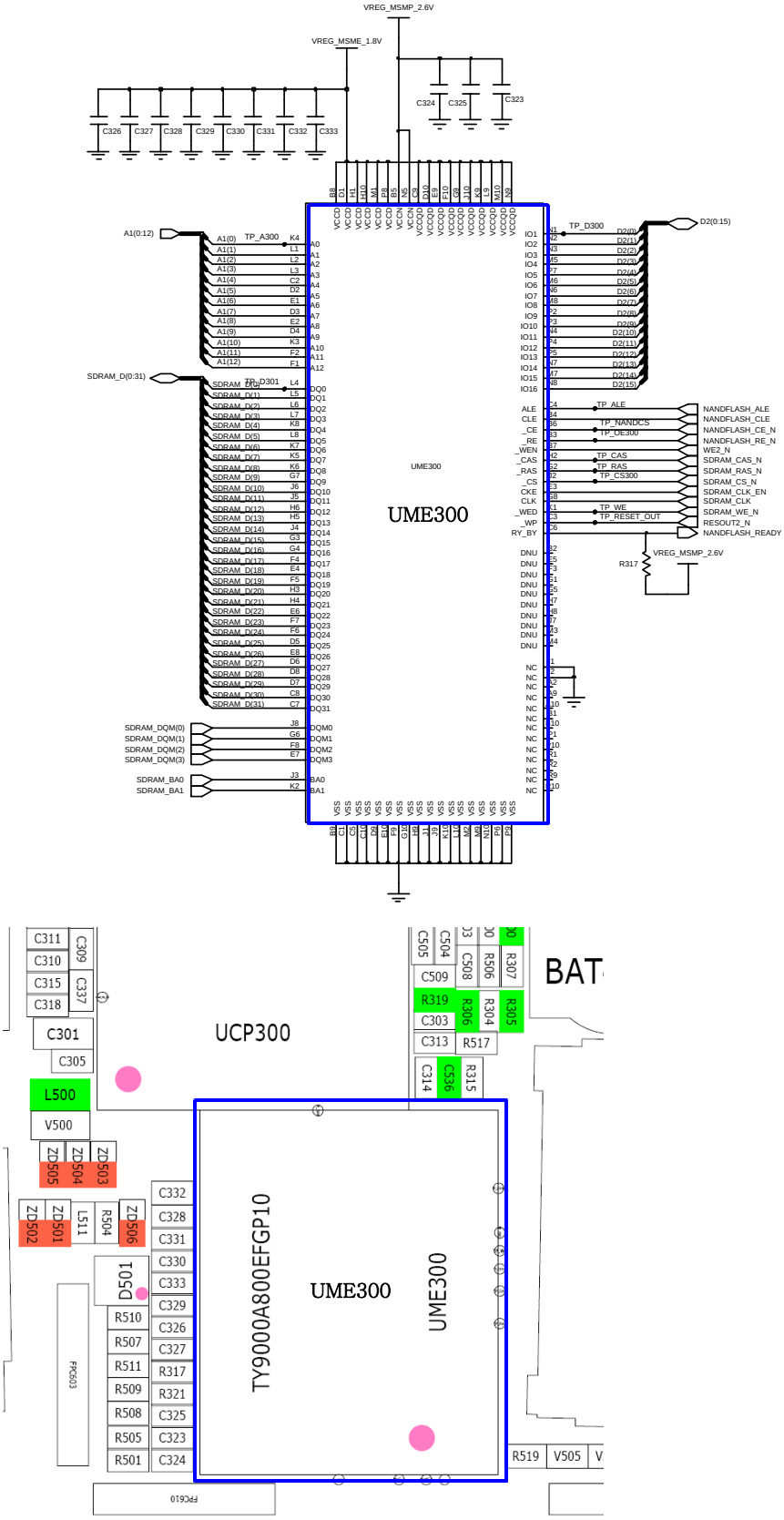


10-2. Initial

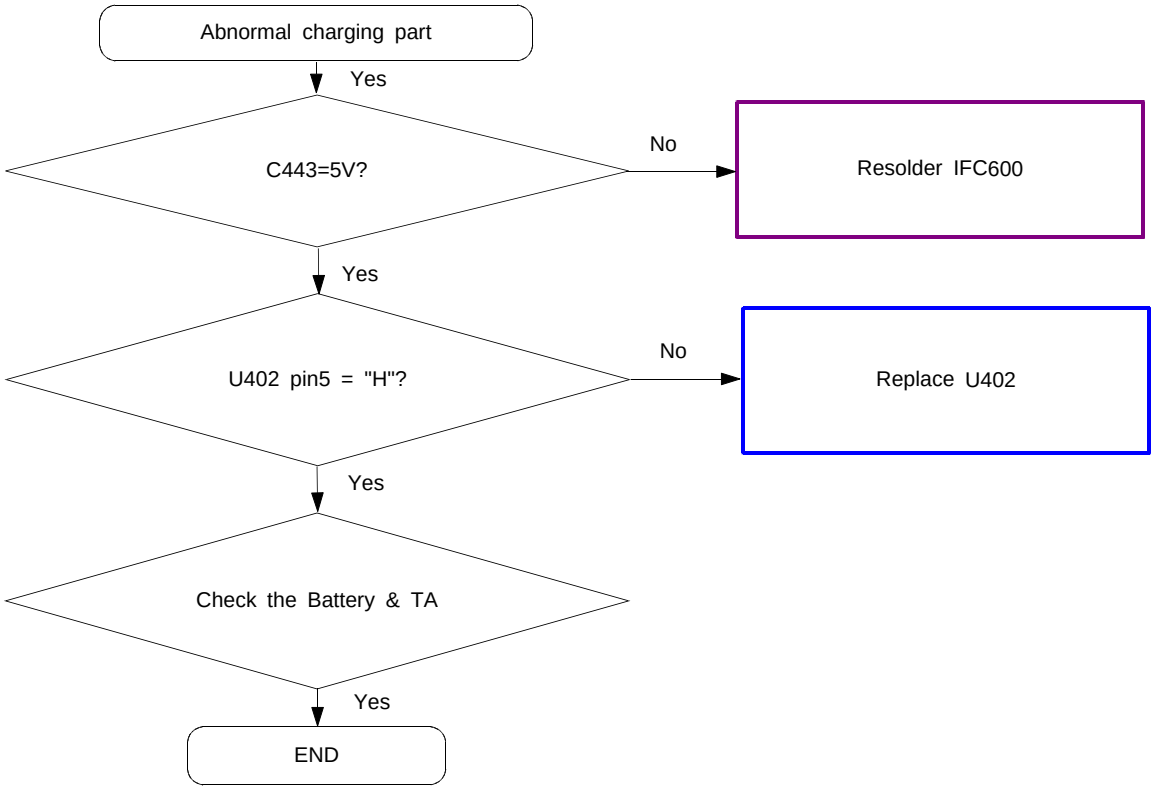


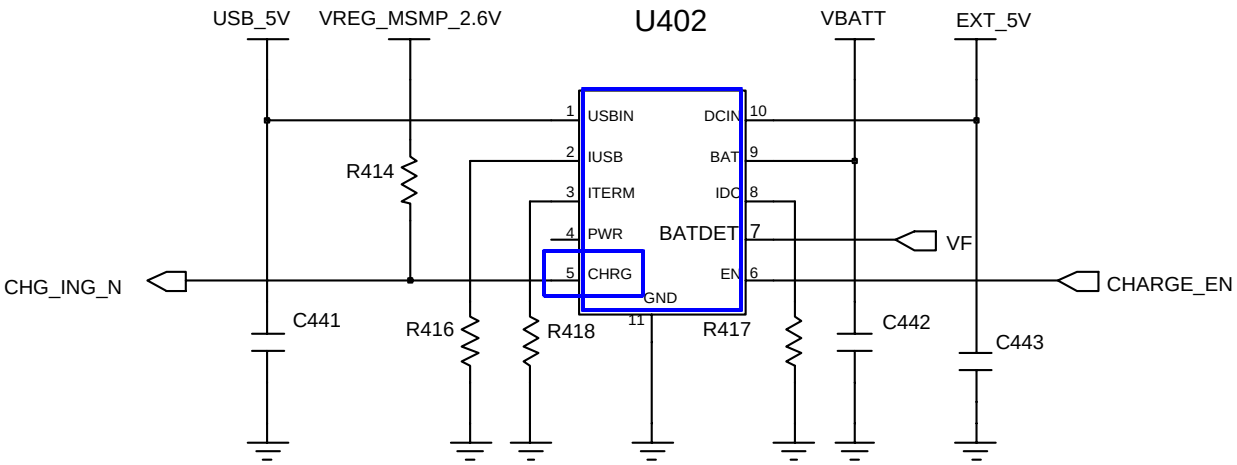


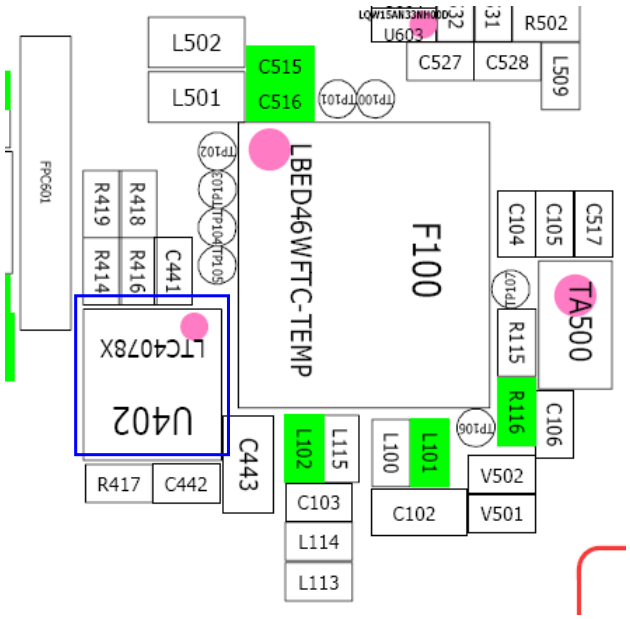




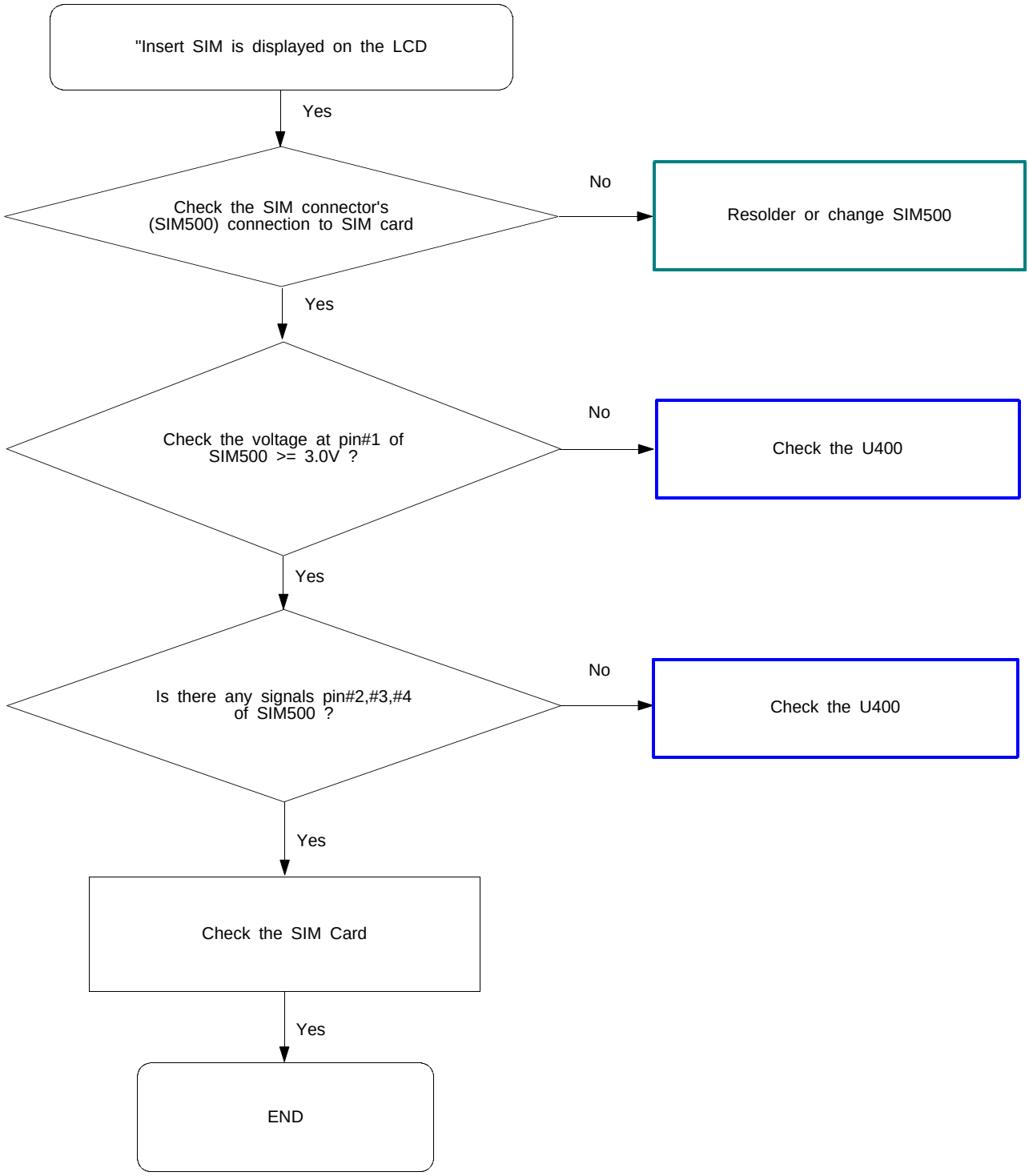
10-3. Charging Part

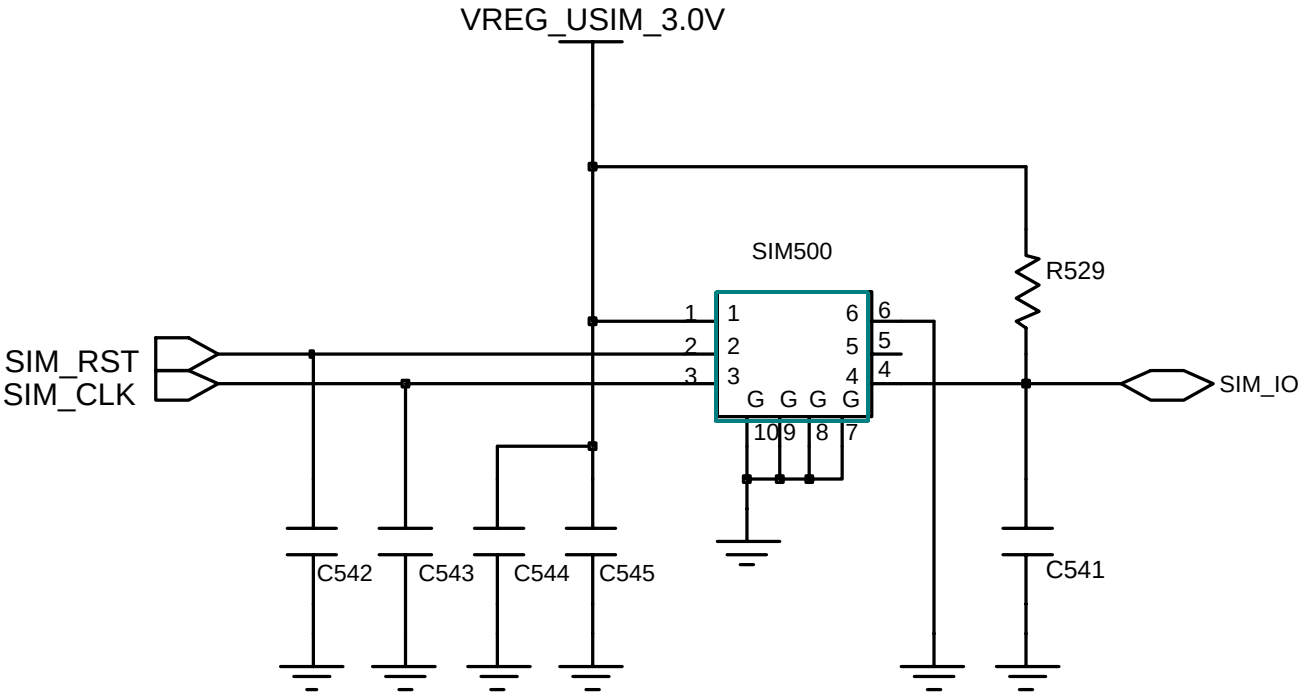


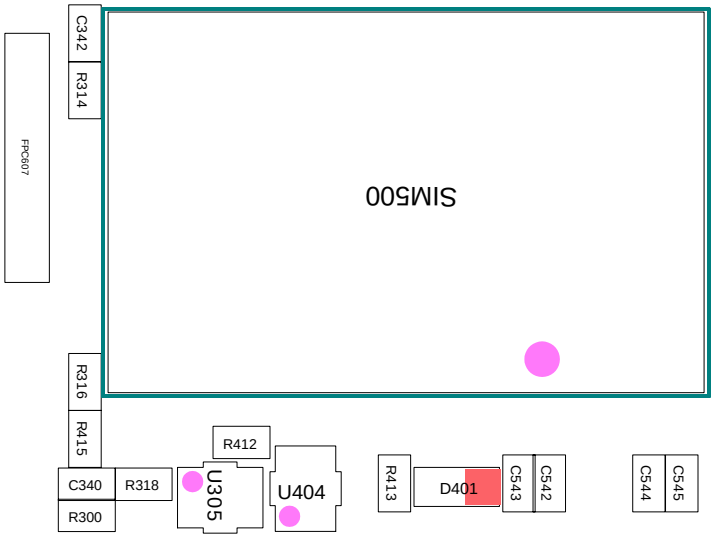




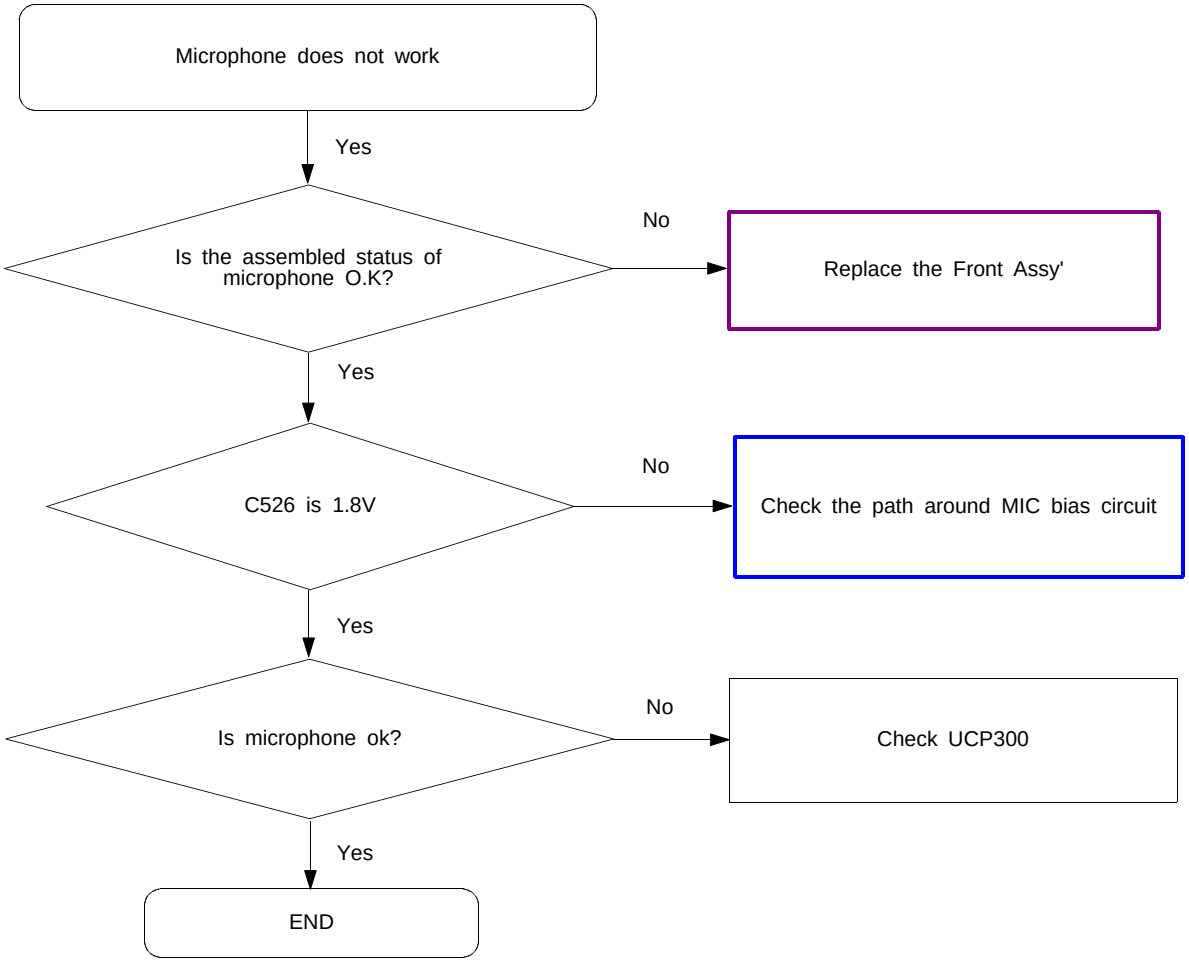
10-4. Sim Part

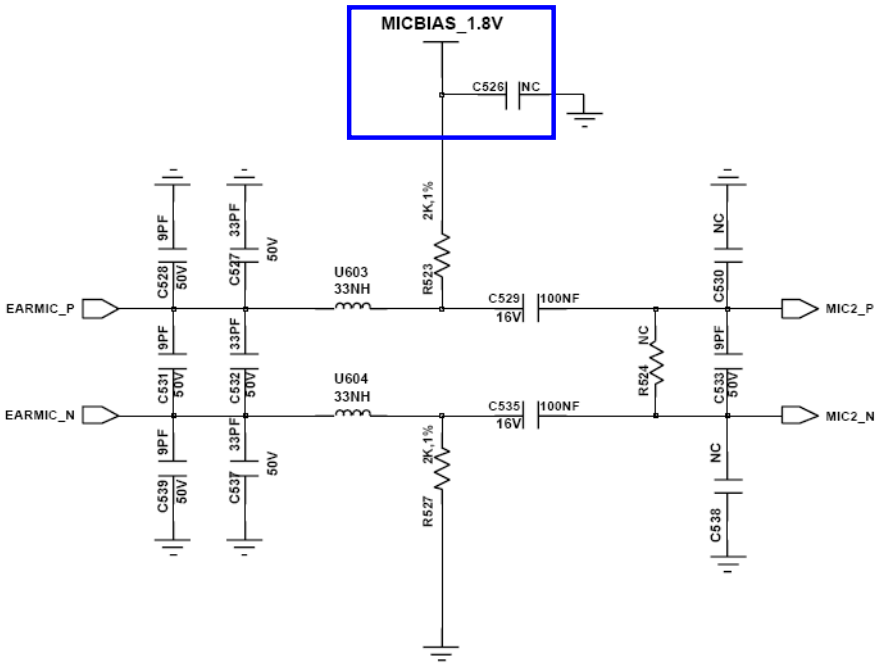




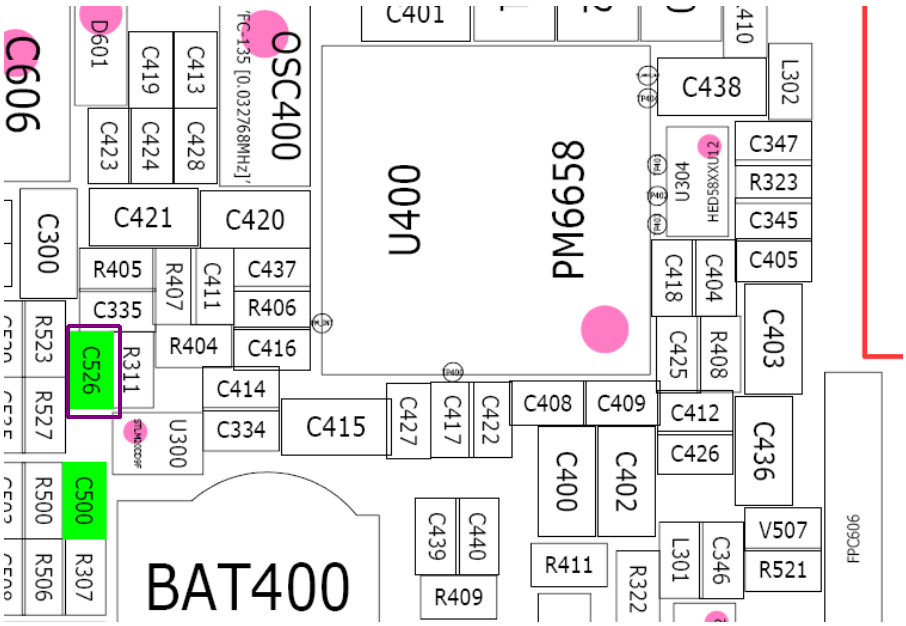


10-5. Microphone Part

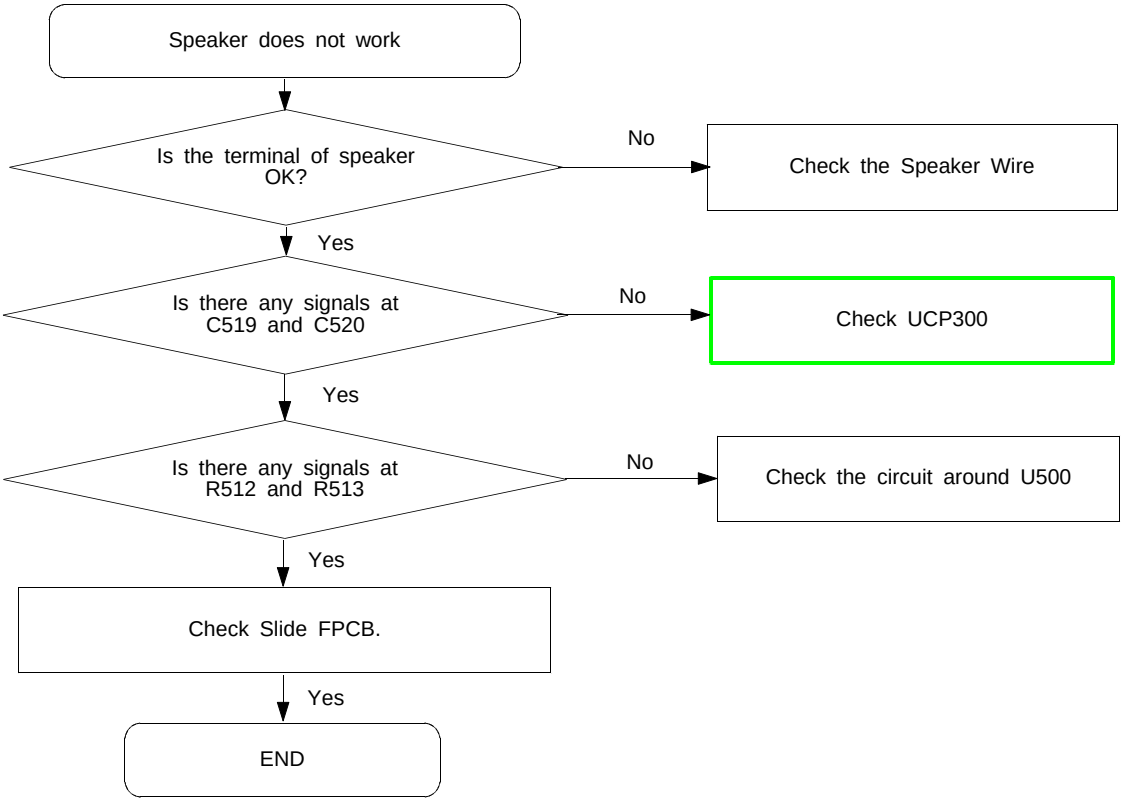


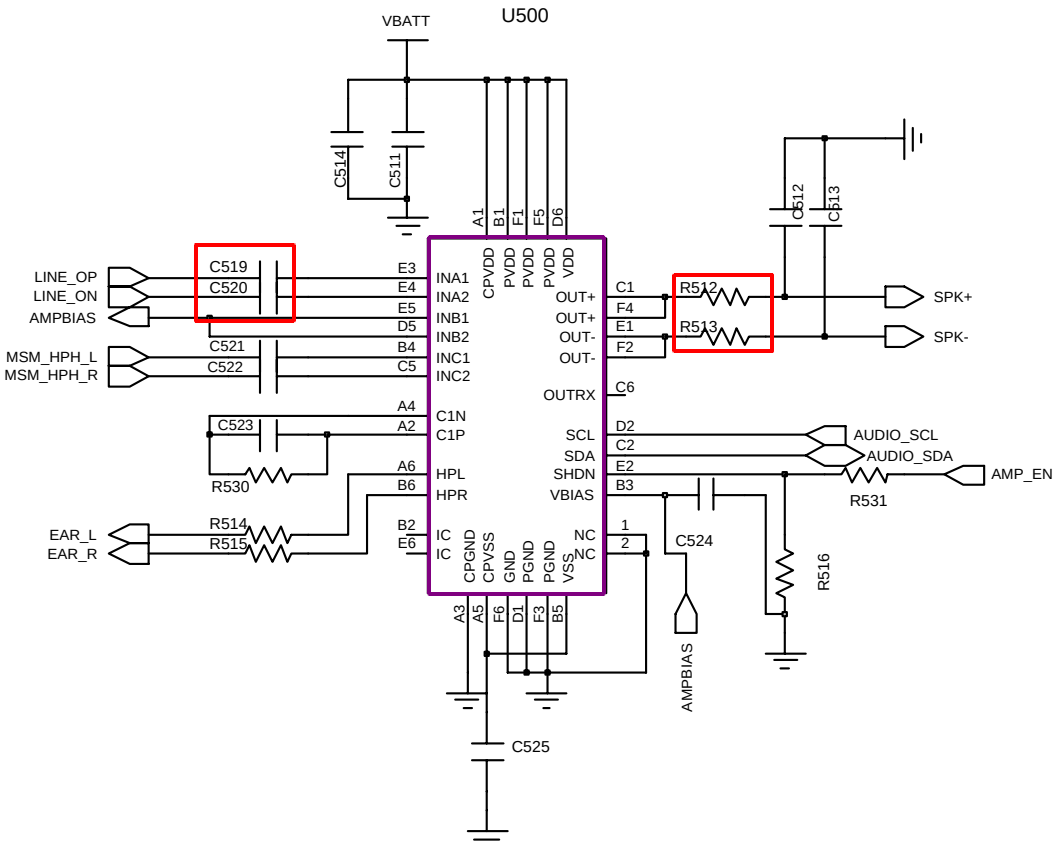


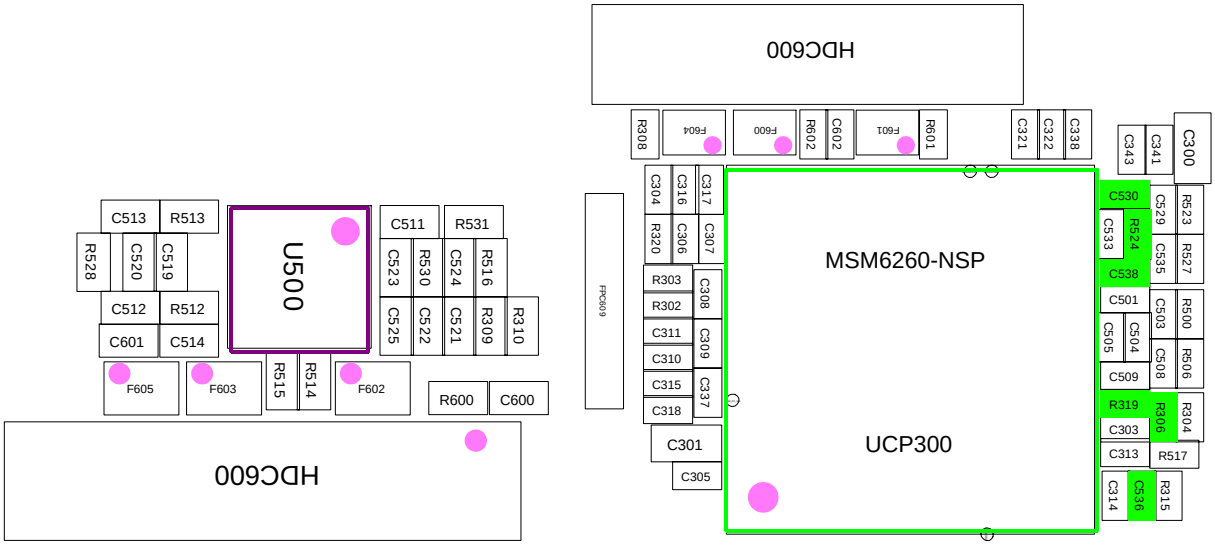
EARMIC PATH



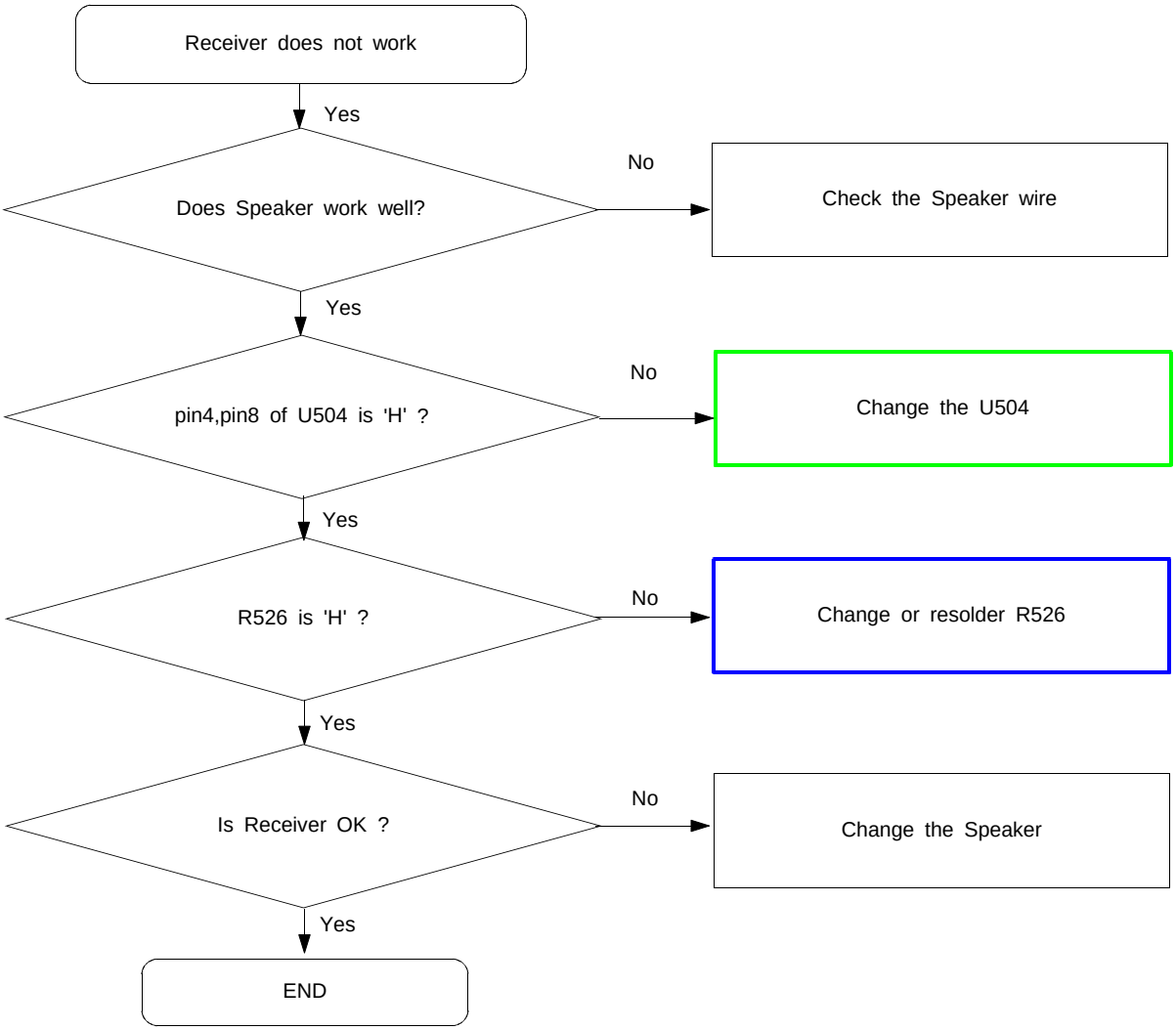
10-6. Speaker Part

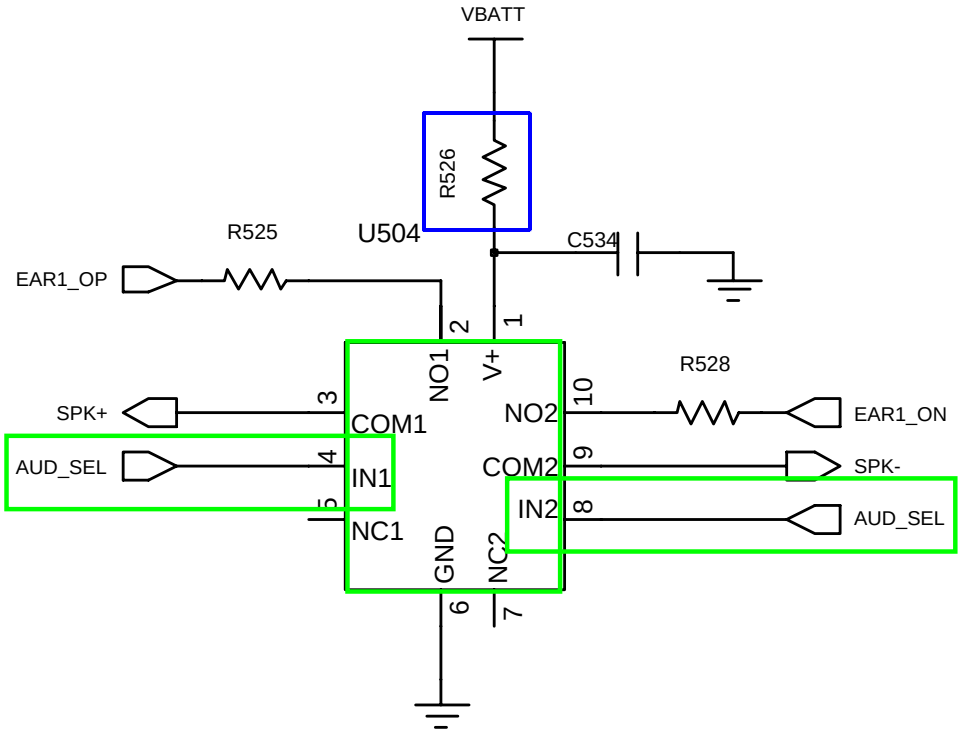


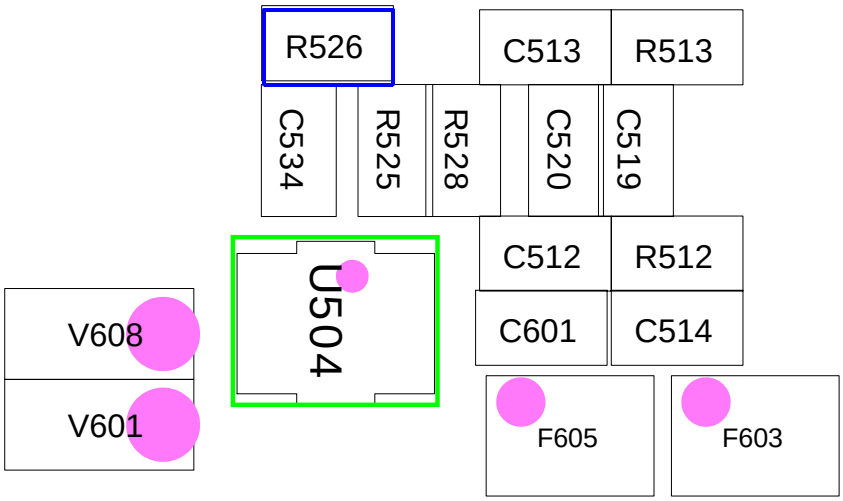




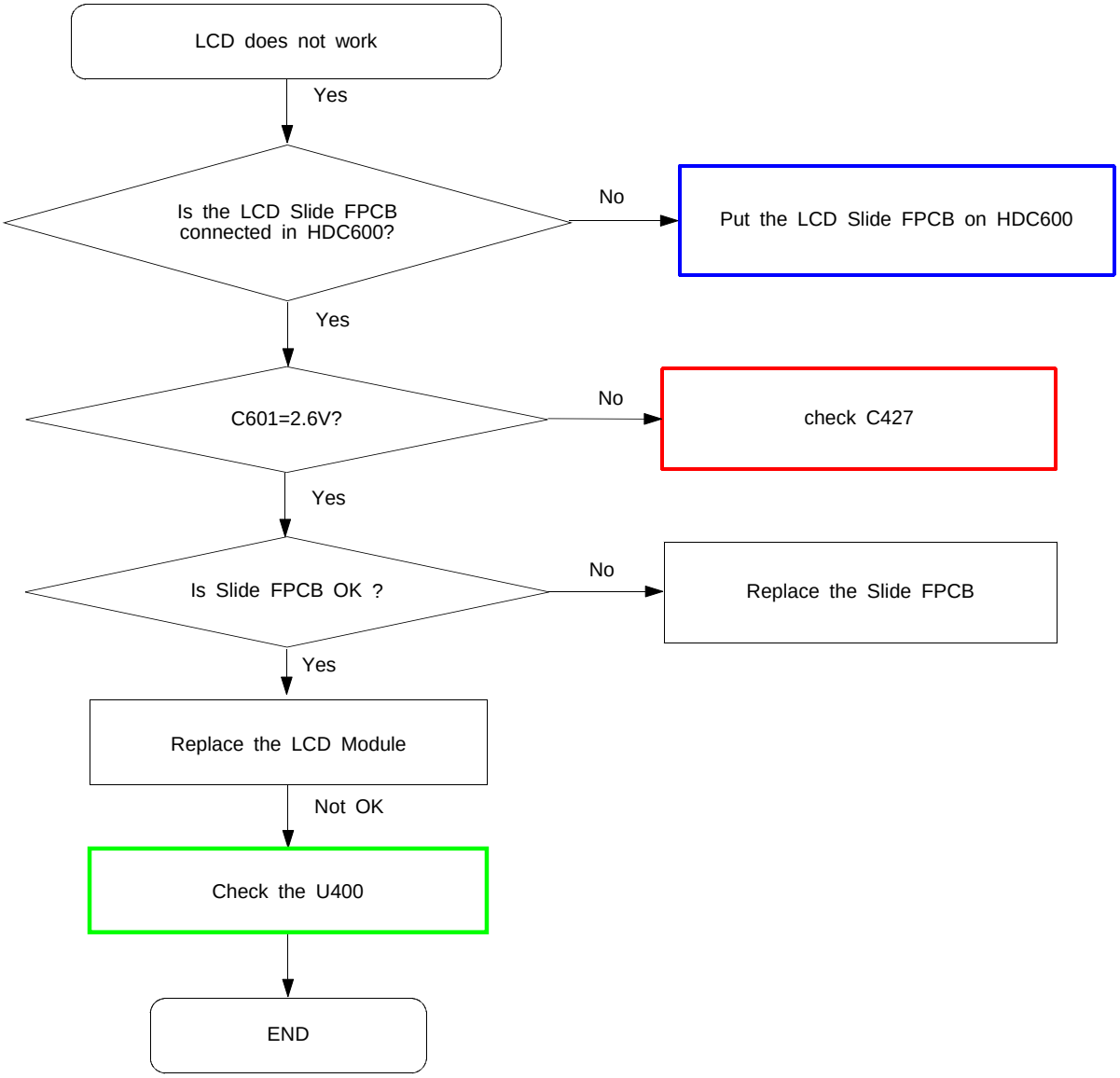
10-7. Receiver Part

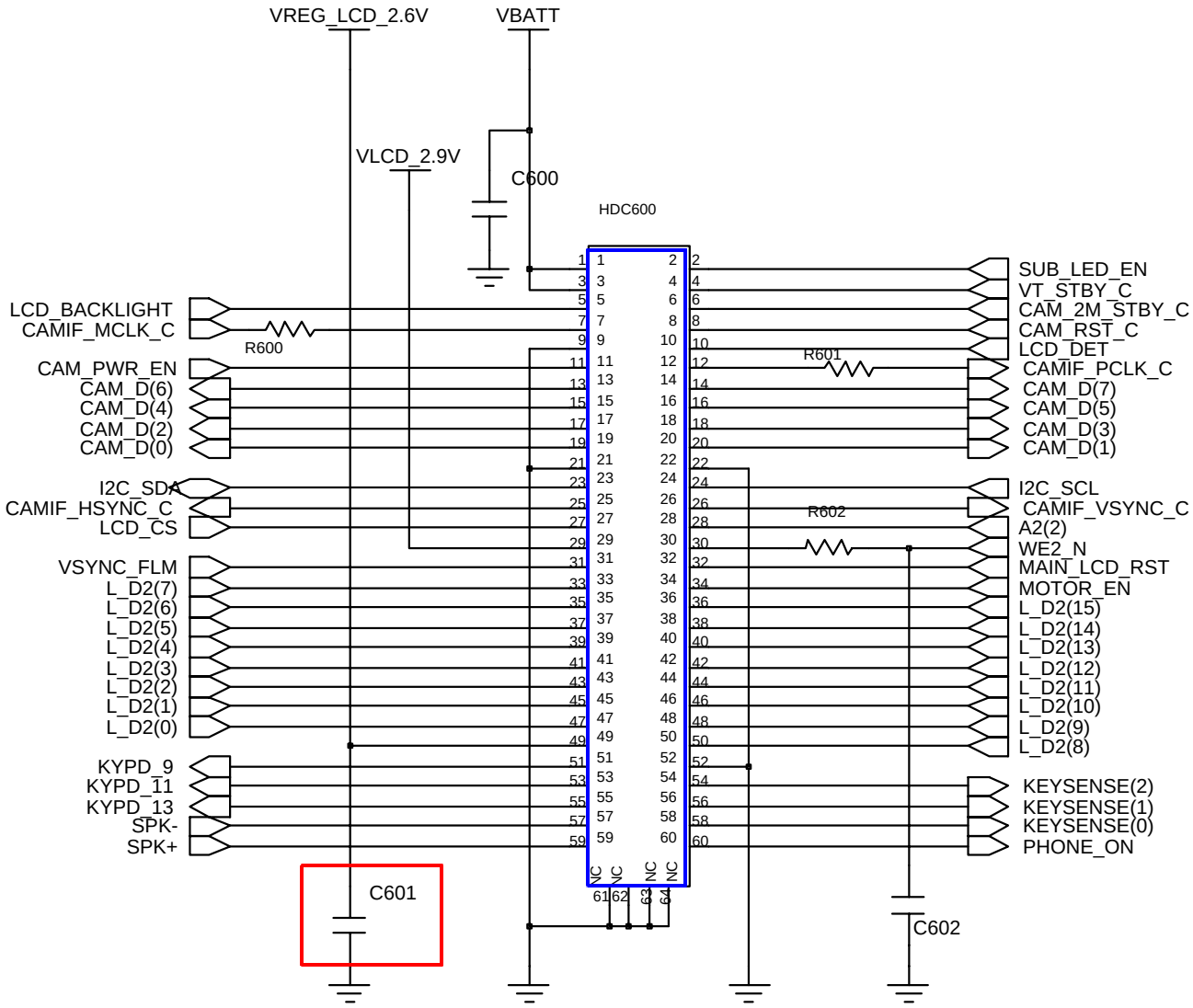


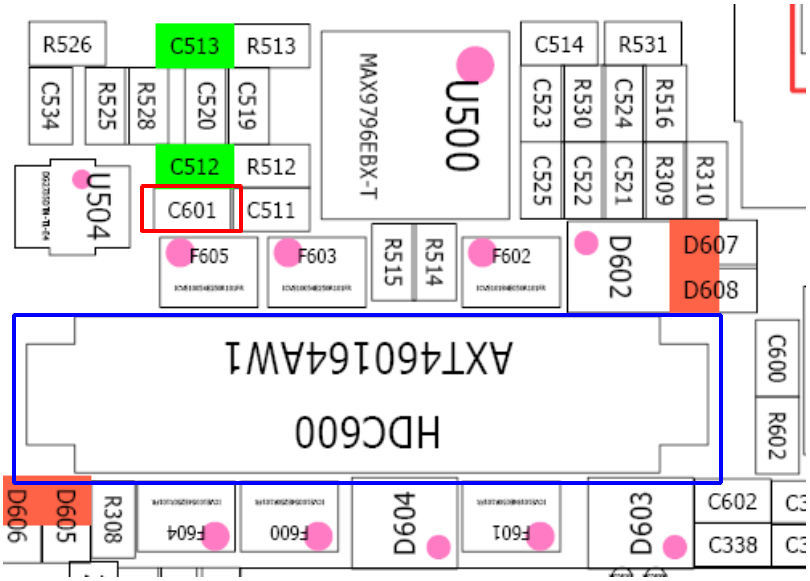




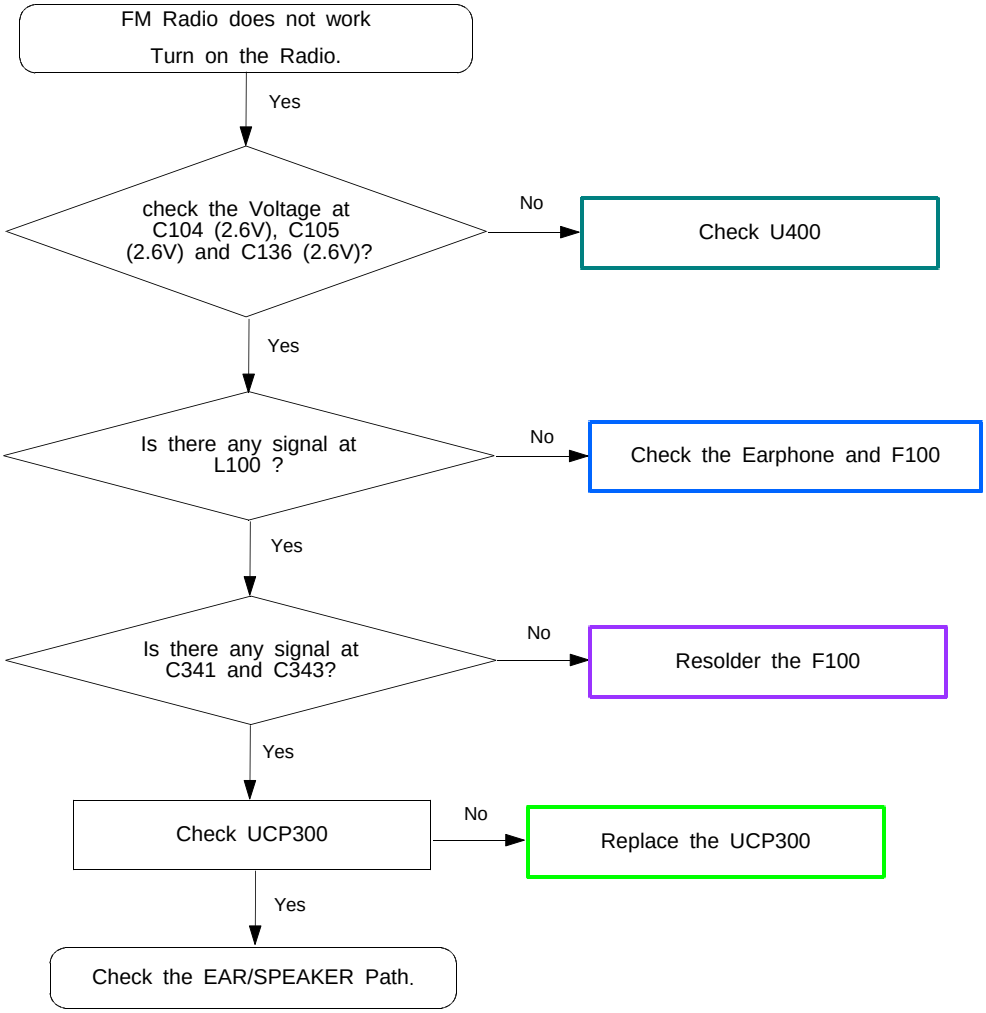
10-8. LCD part

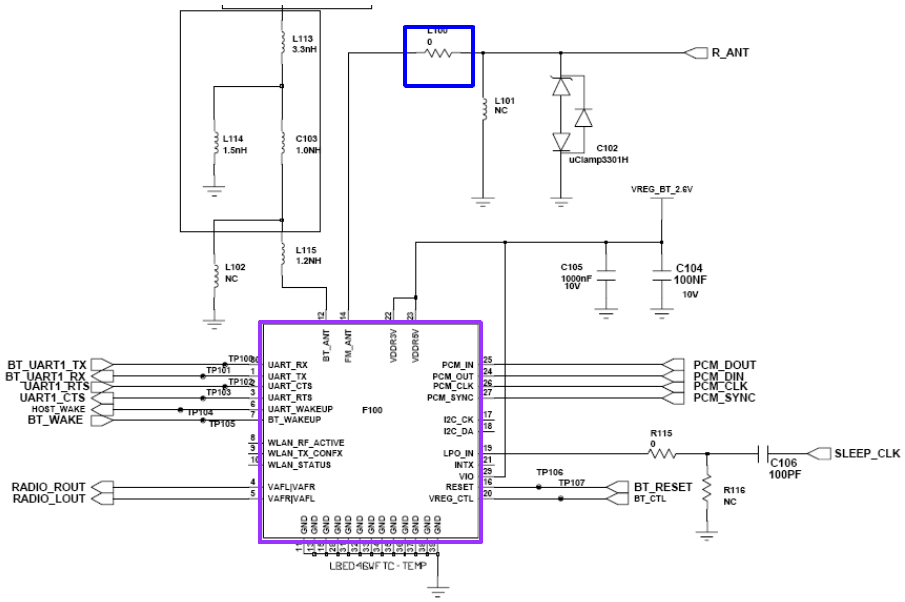


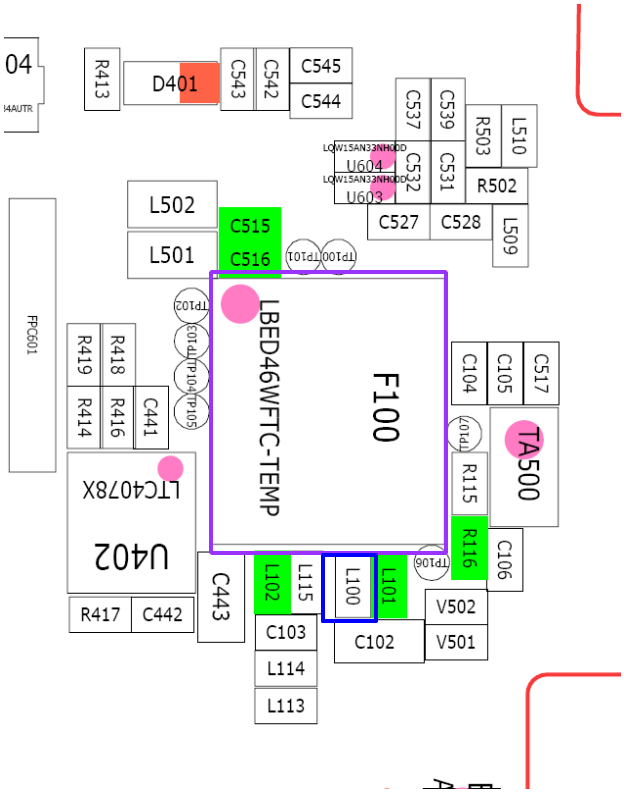




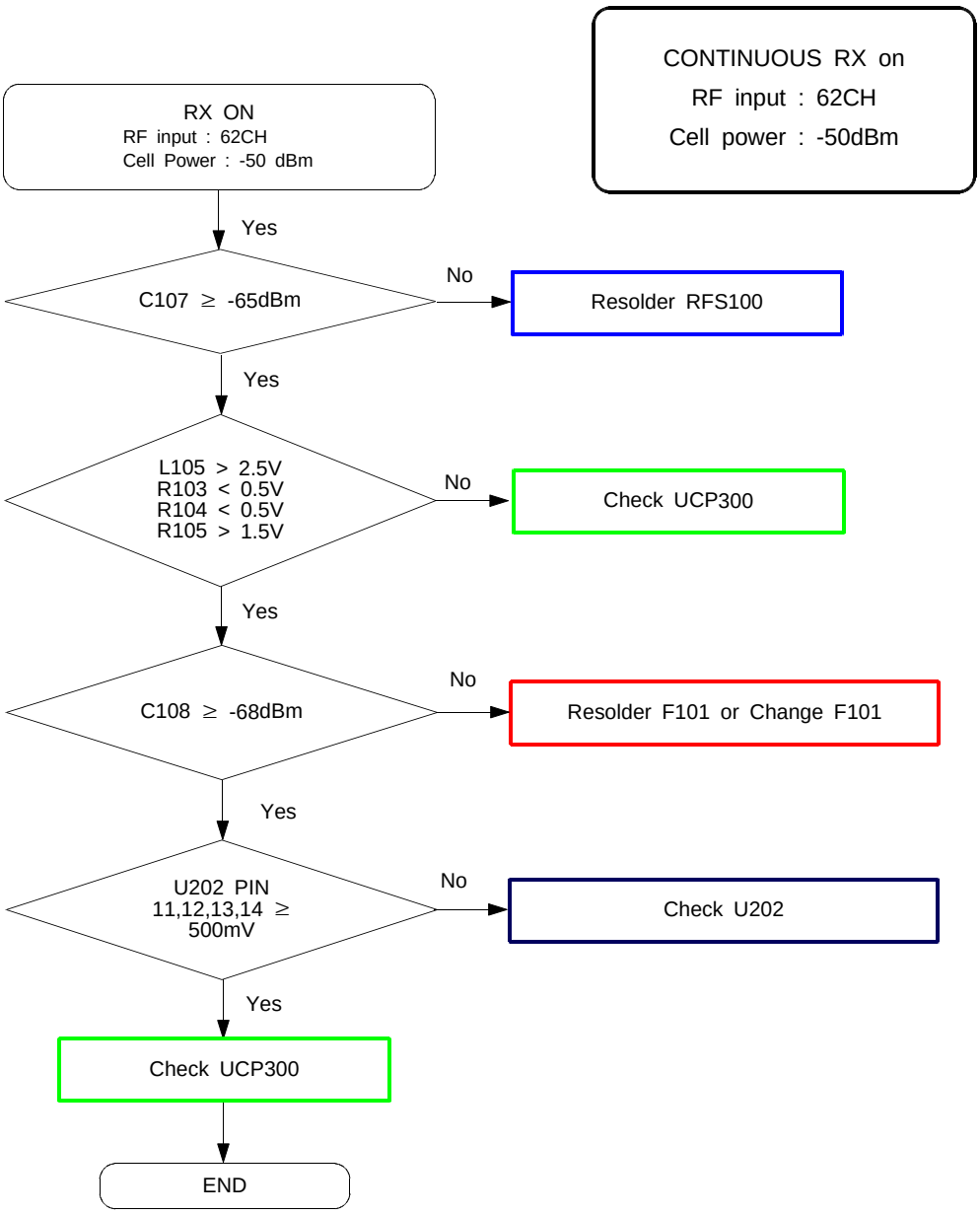
10-9. FM RADIO Part

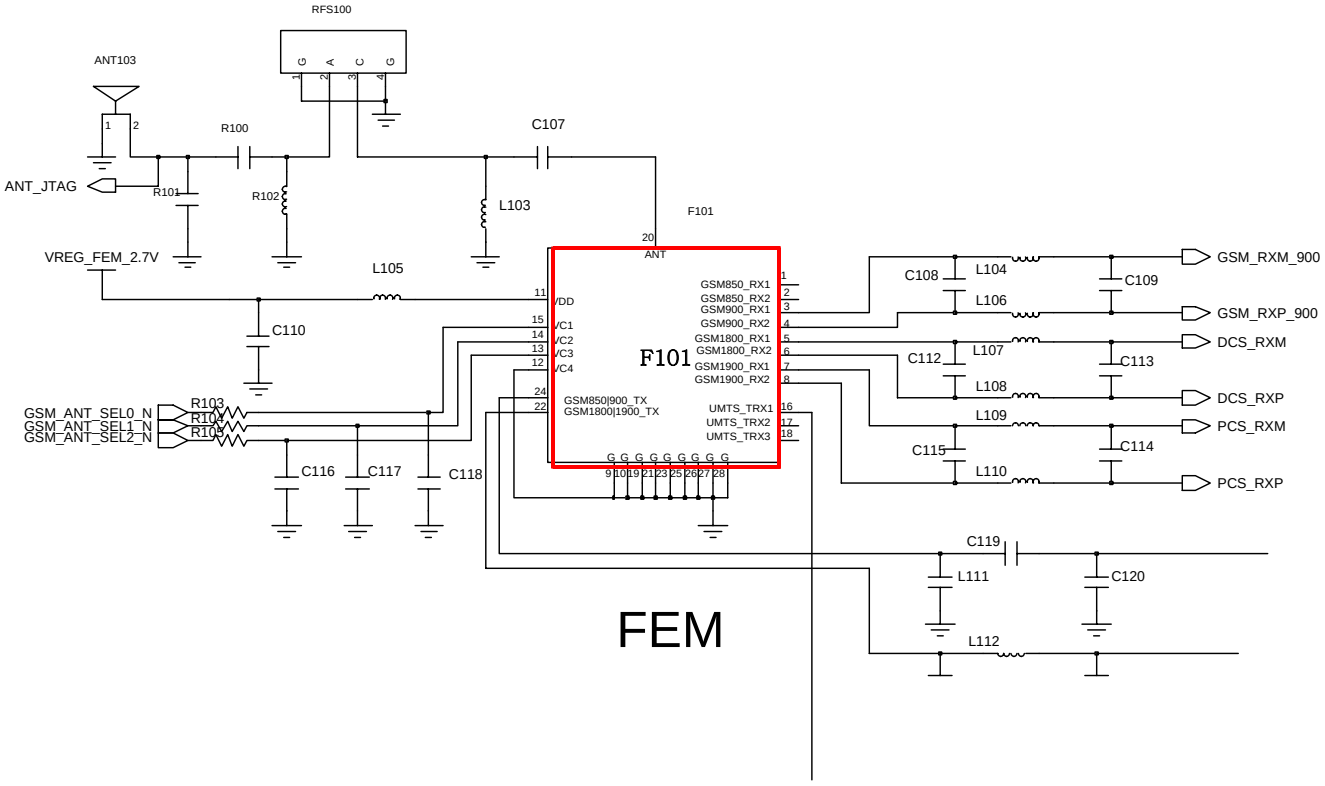


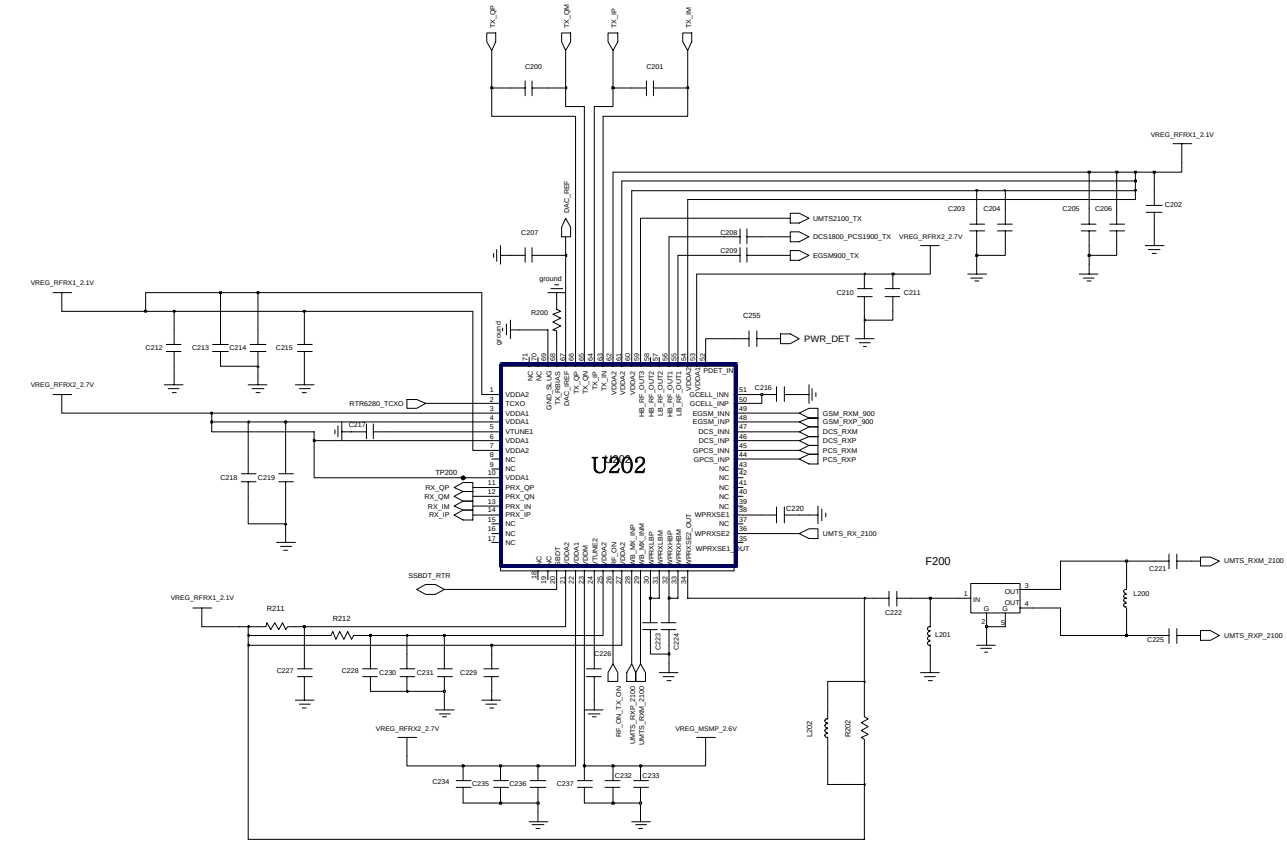


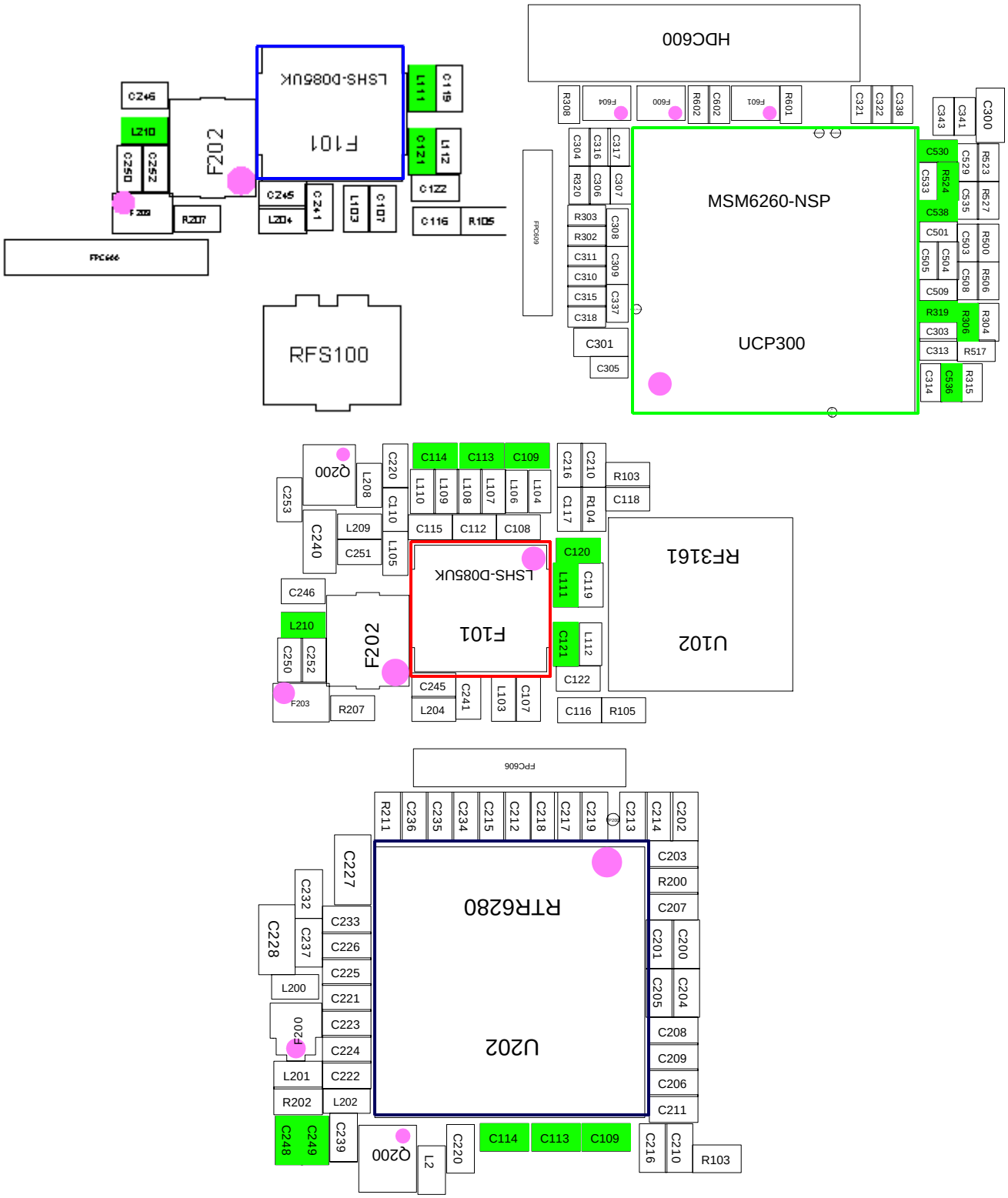


10-10. GSM Receiver

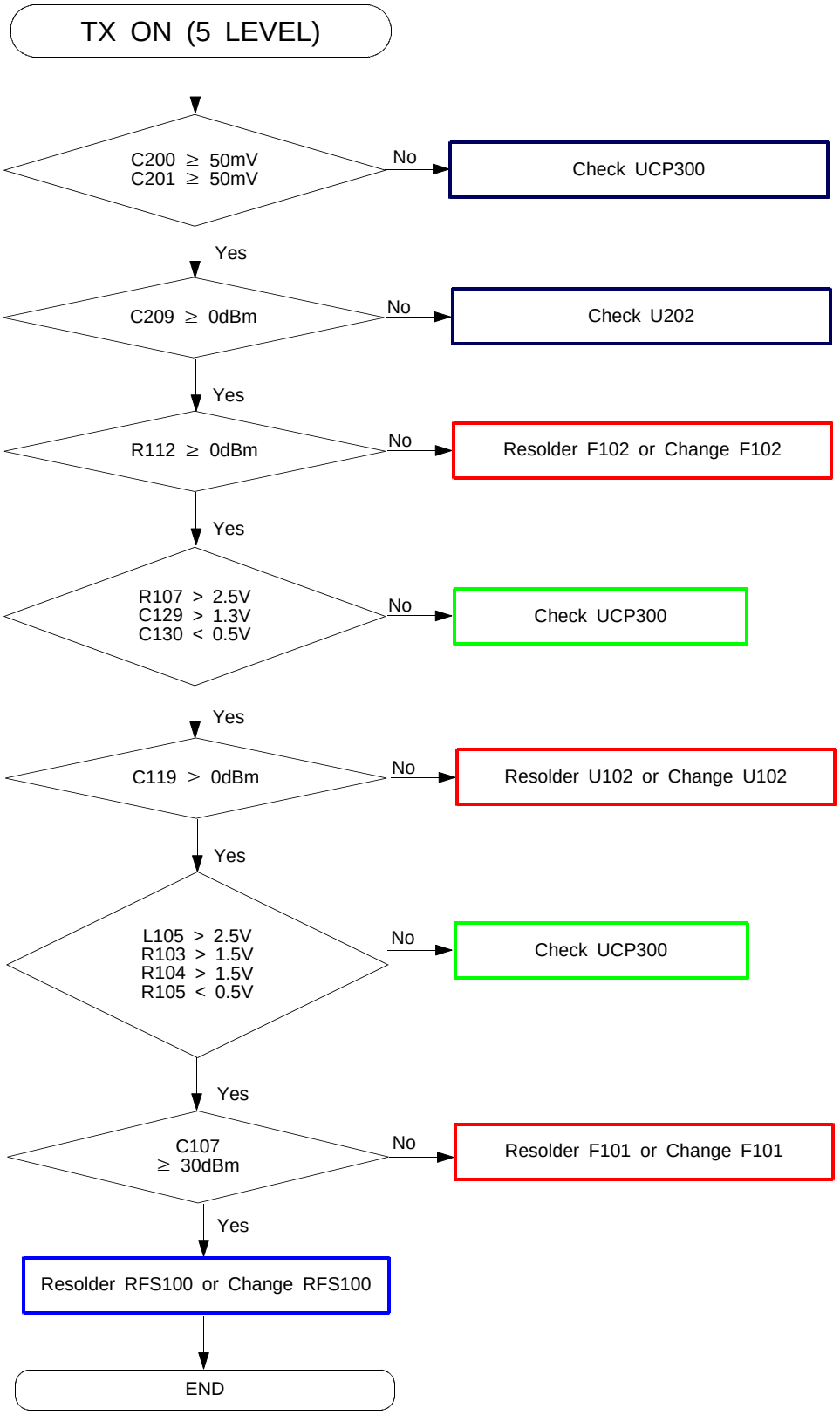


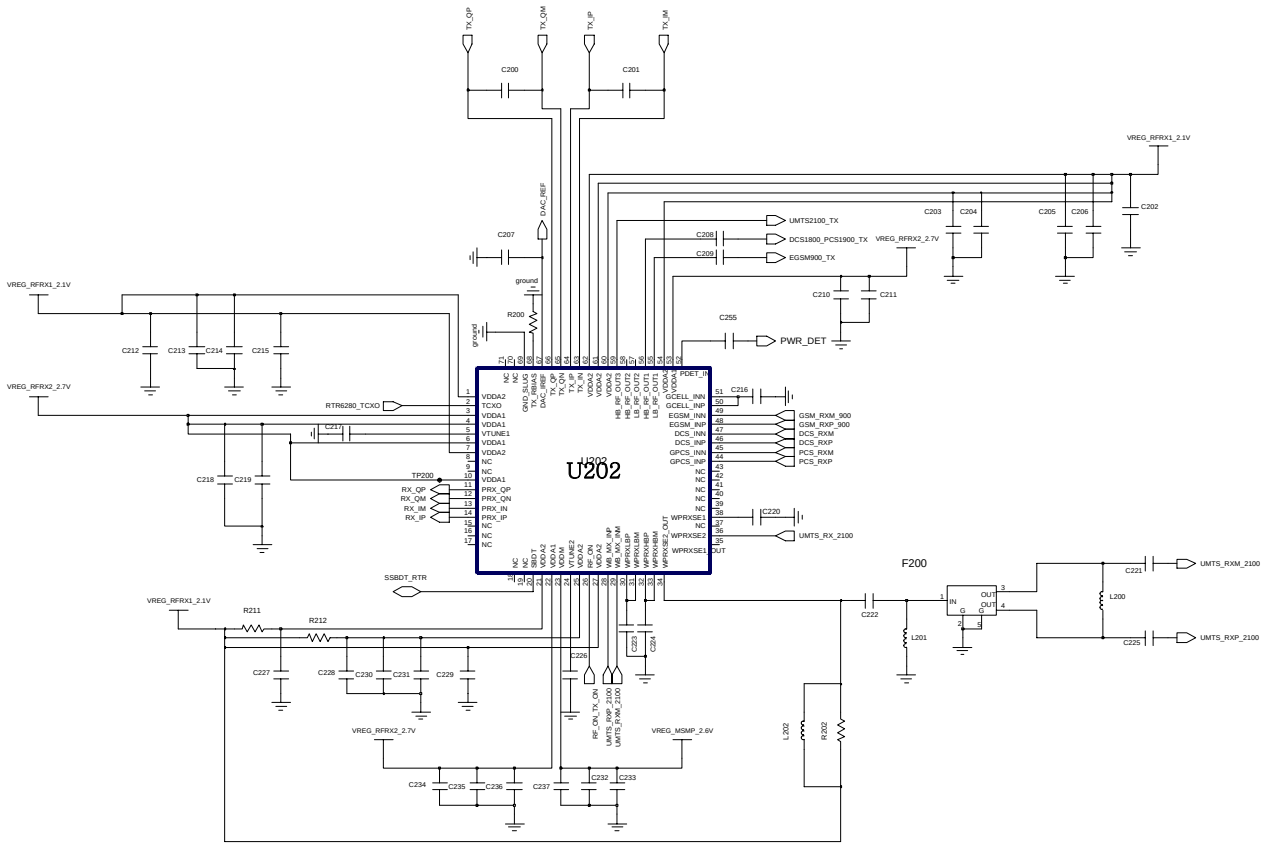




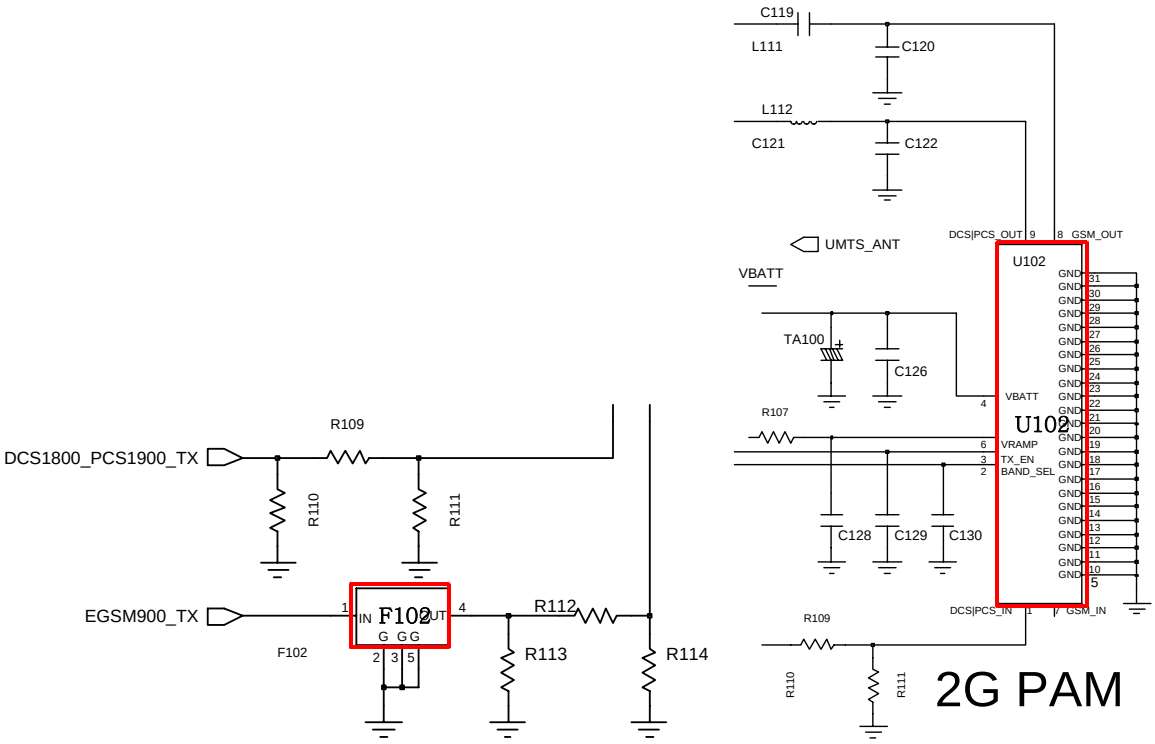


10-11 GSM Transmitter

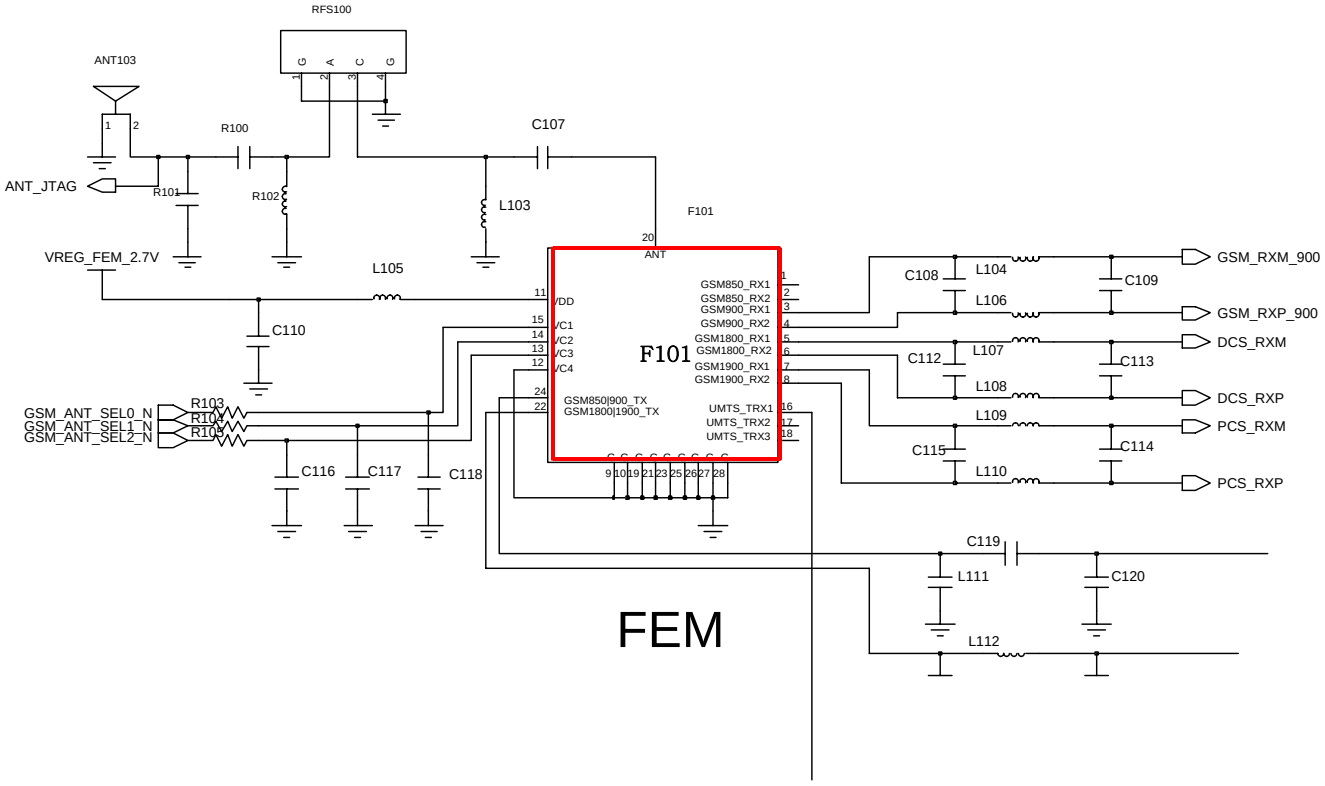


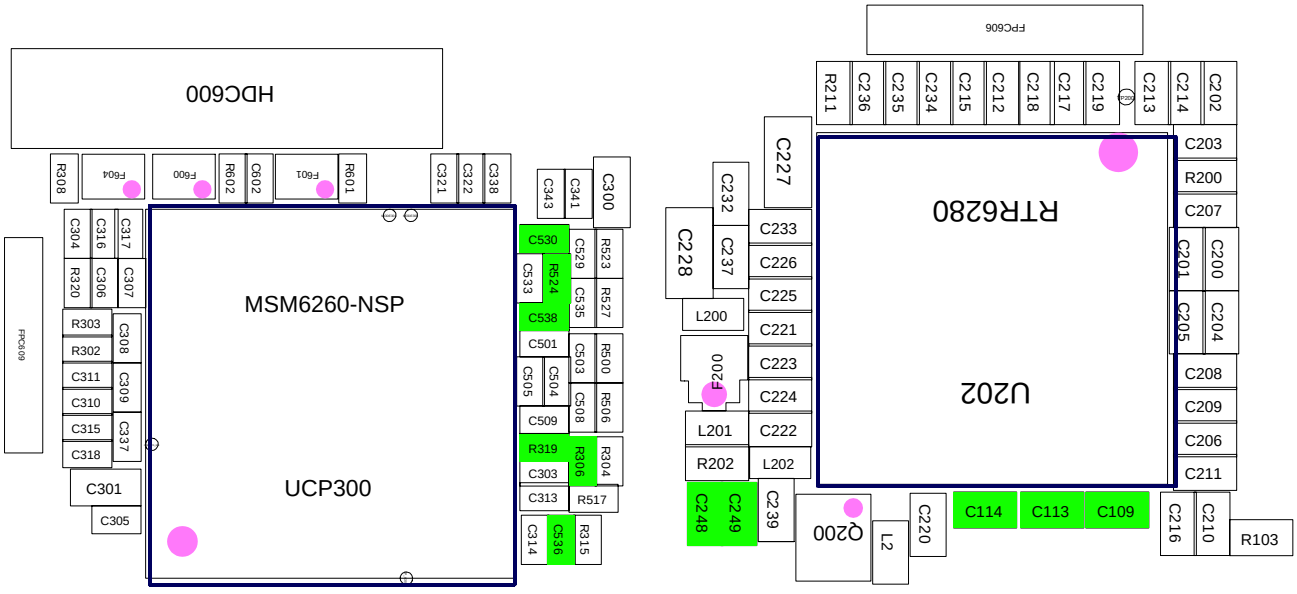


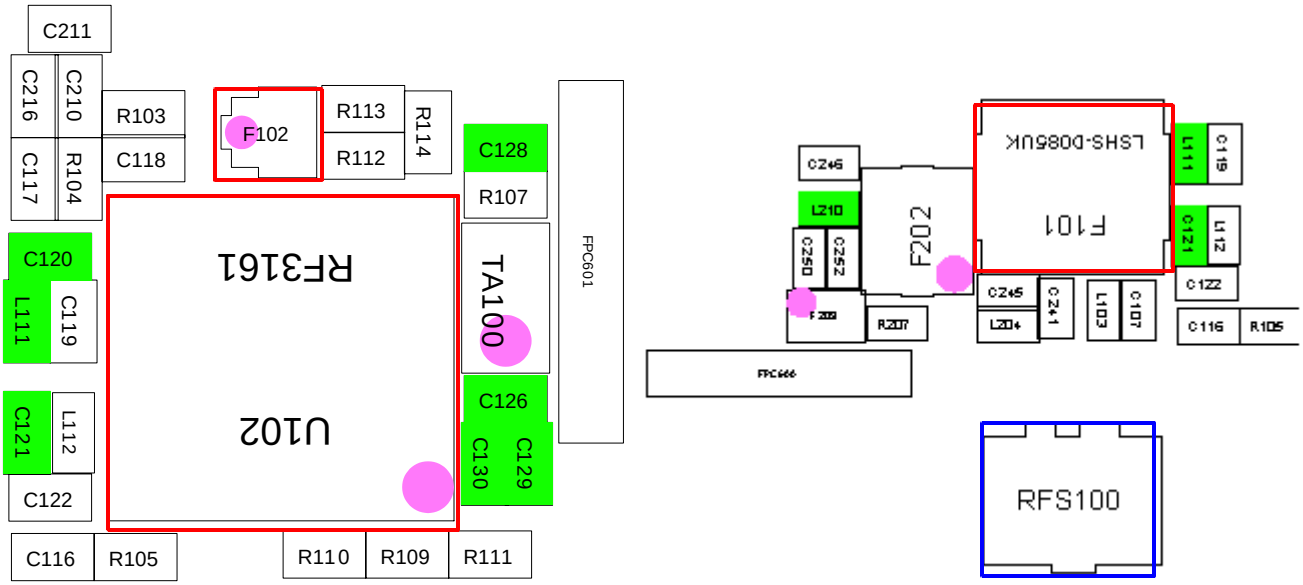
RF TRANSCEIVER



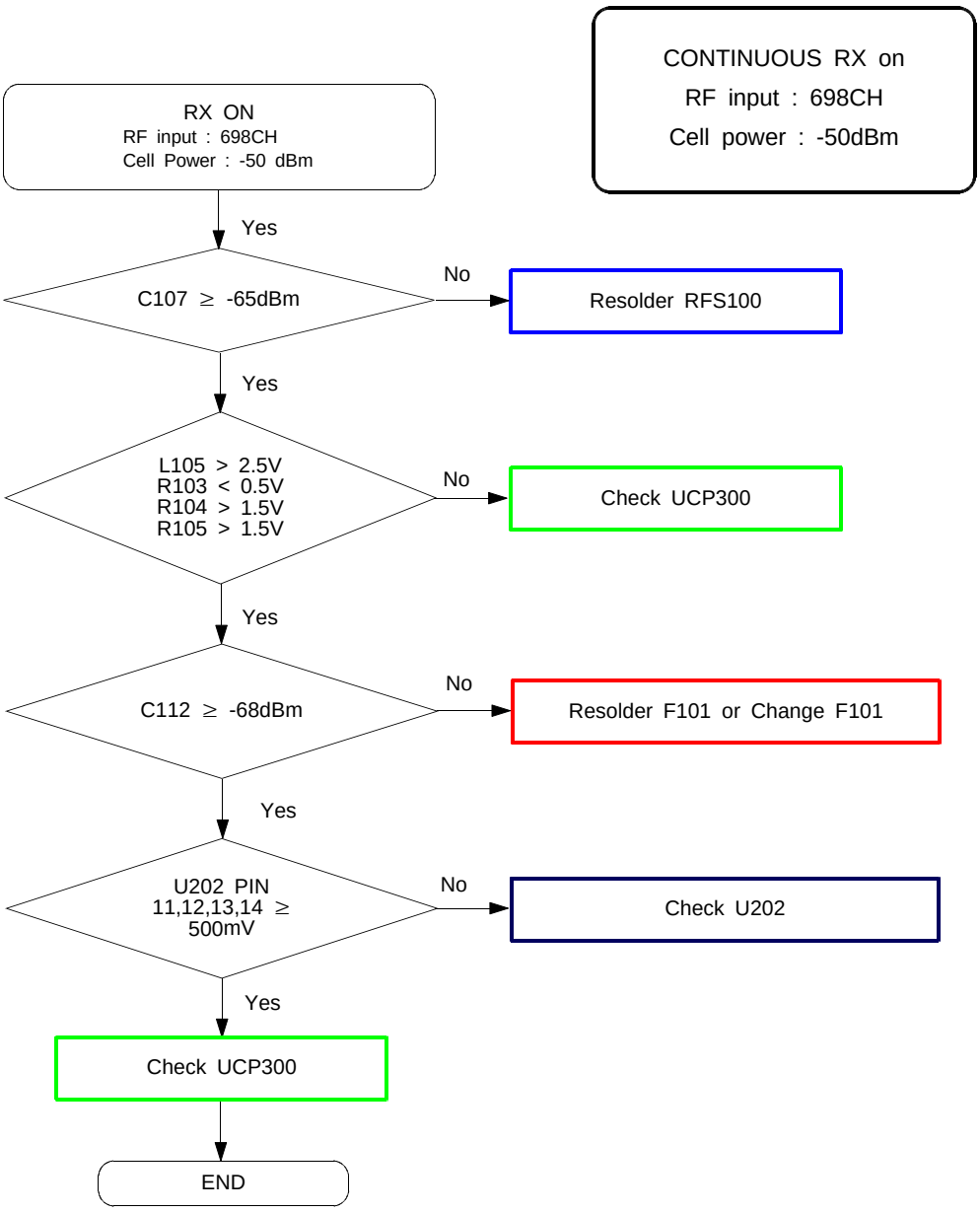
2G PAM

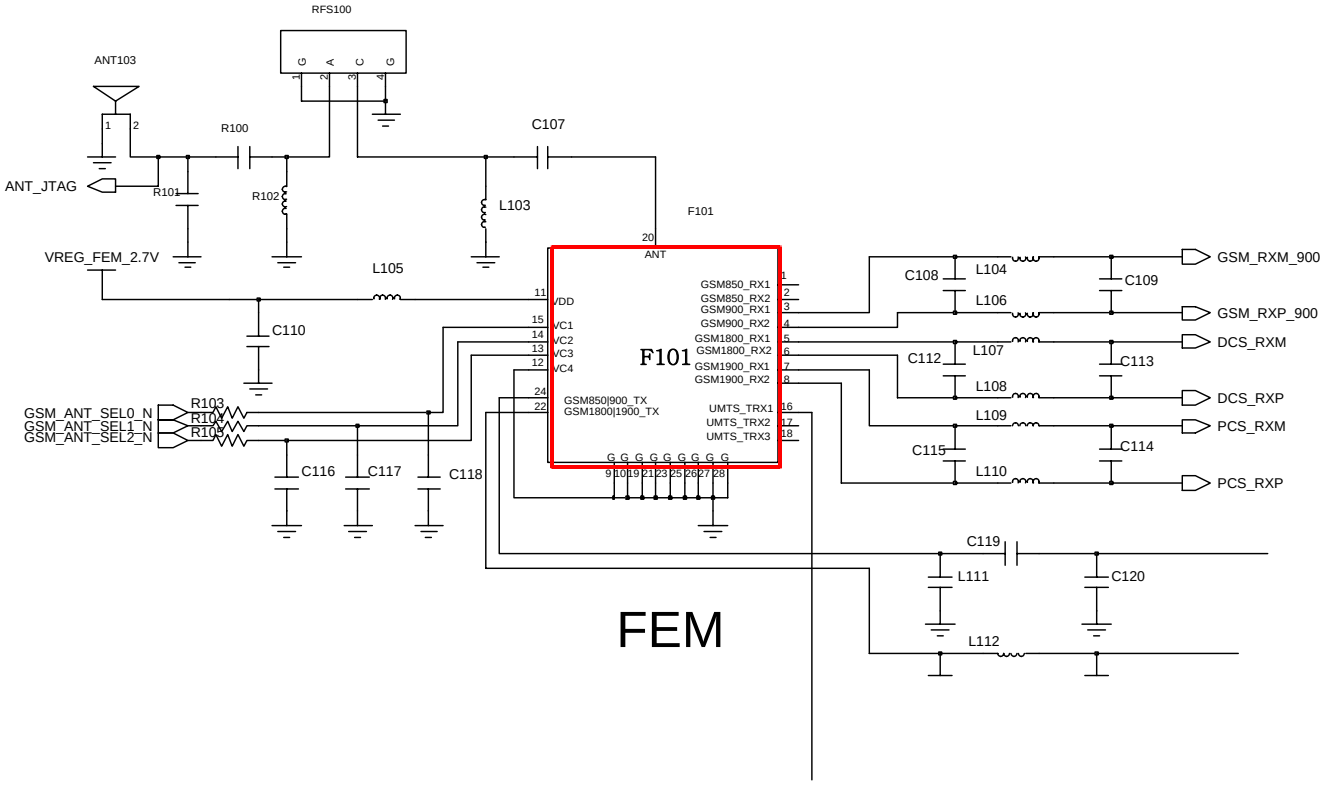


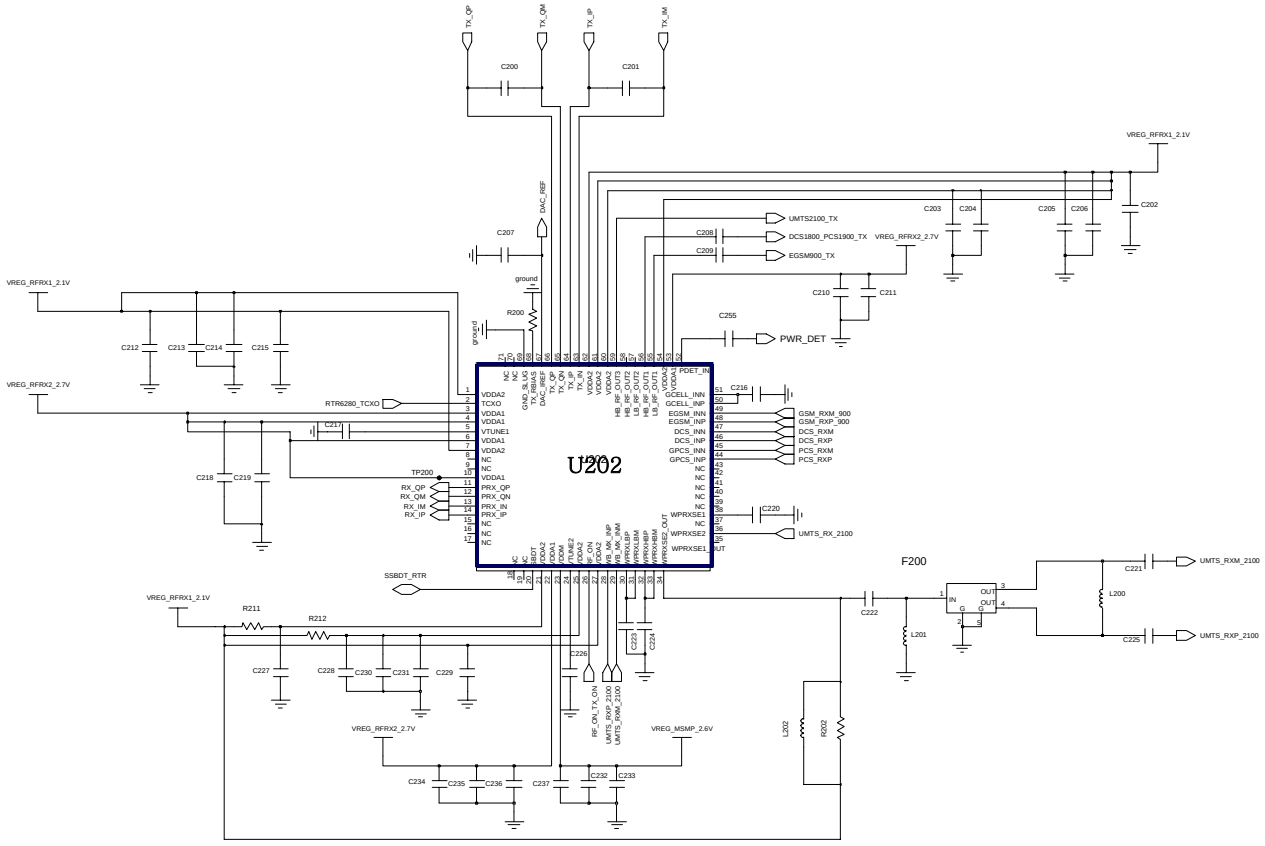




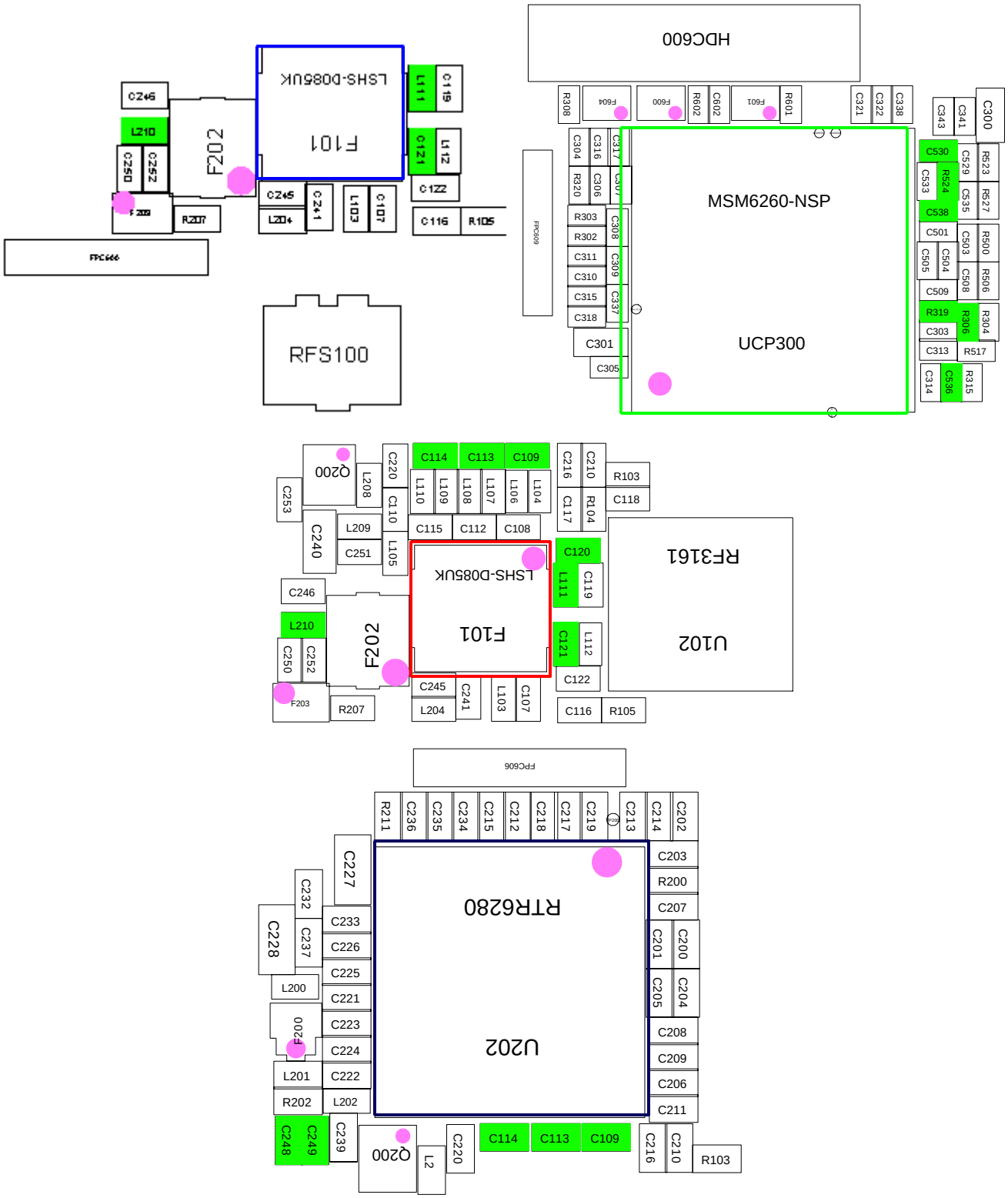
10-12. DCS Receiver



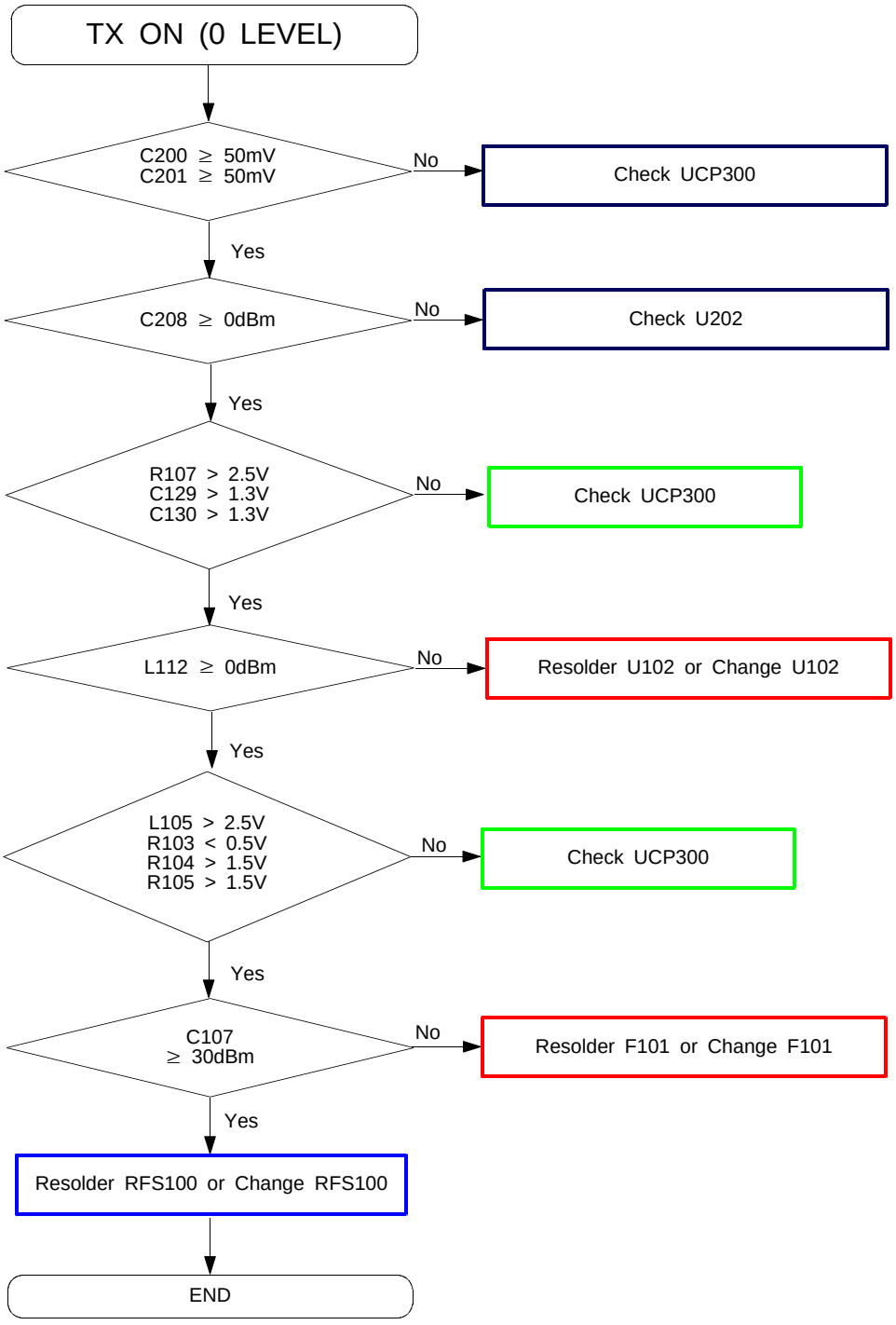


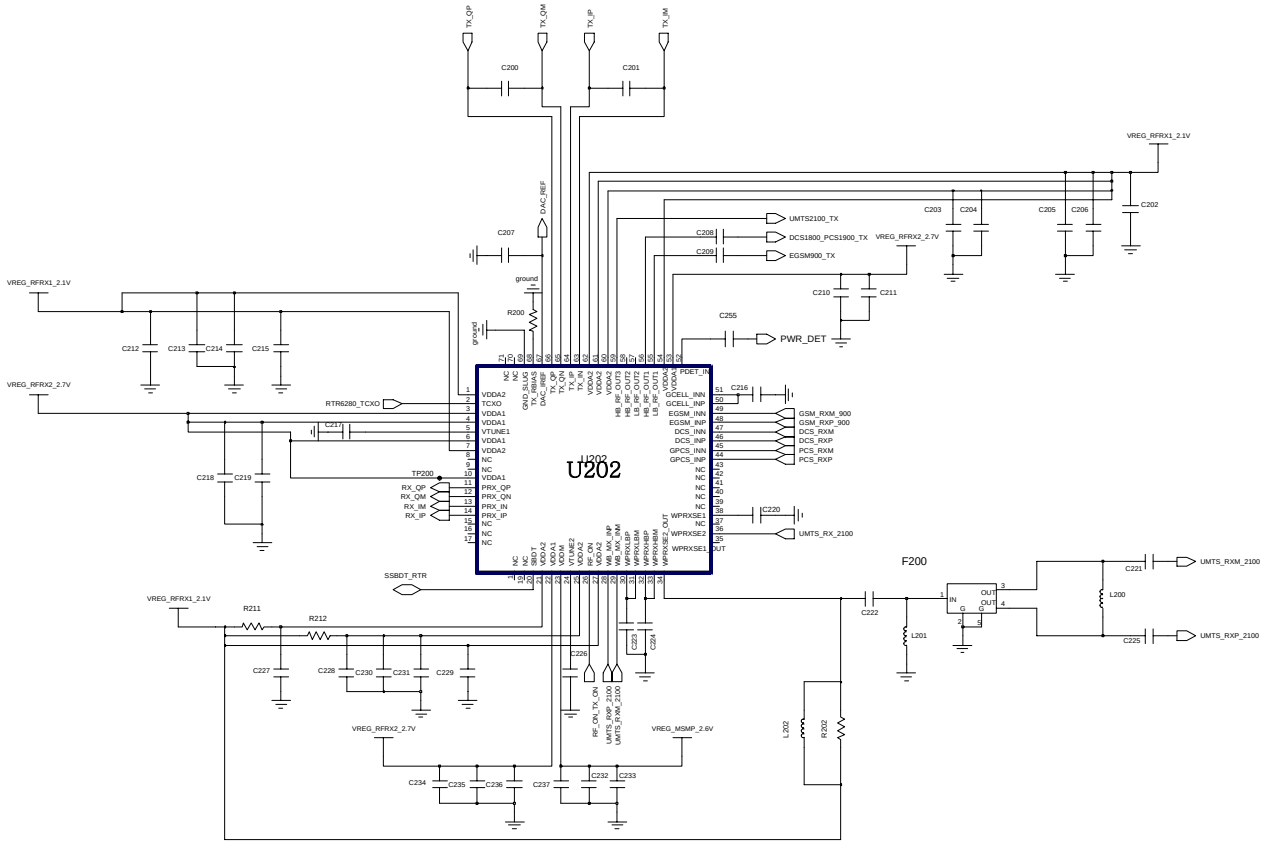


RF TRANSCEIVER

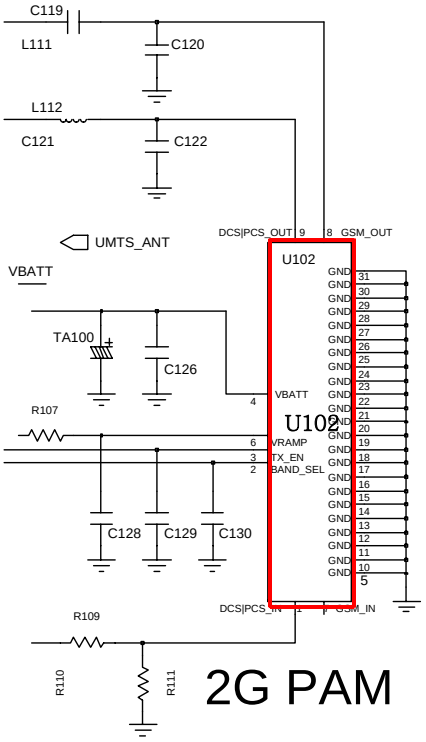


10-13. DCS Transmitter

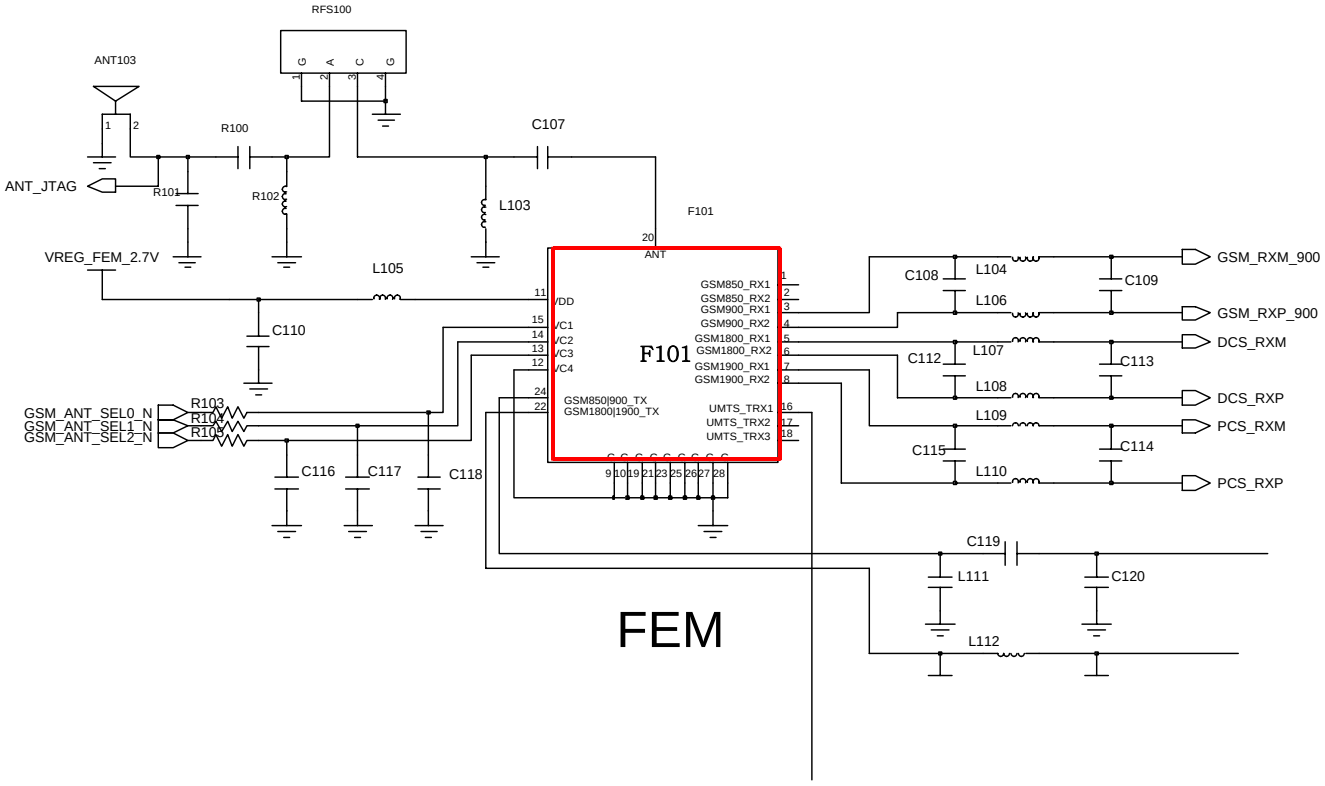


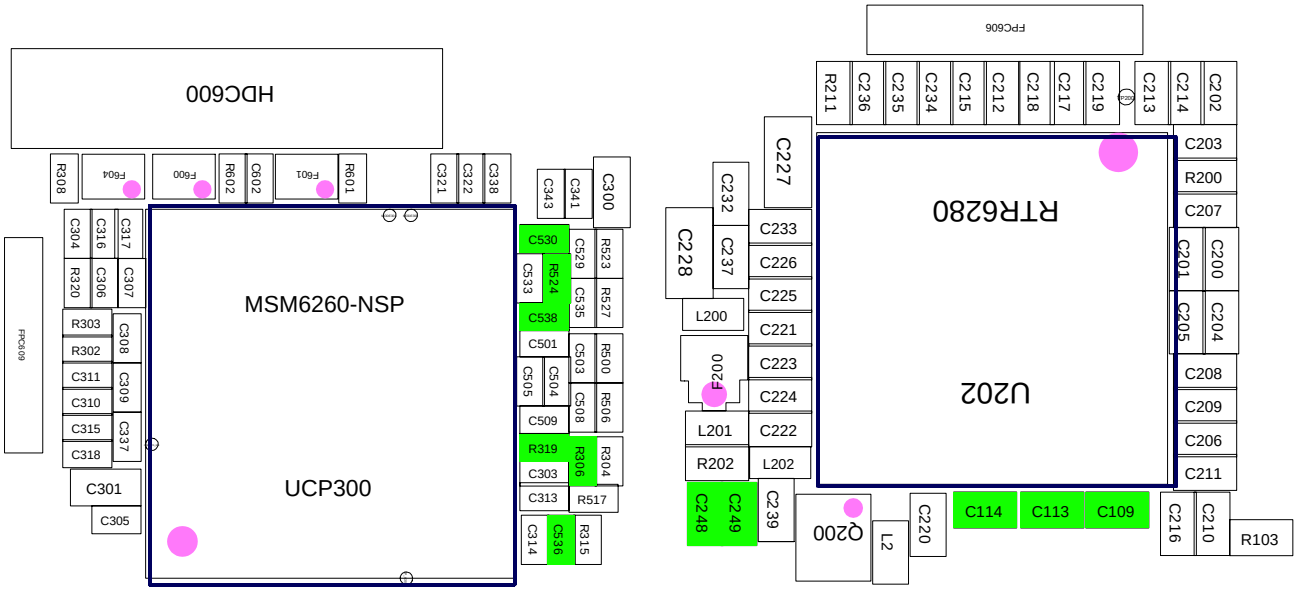


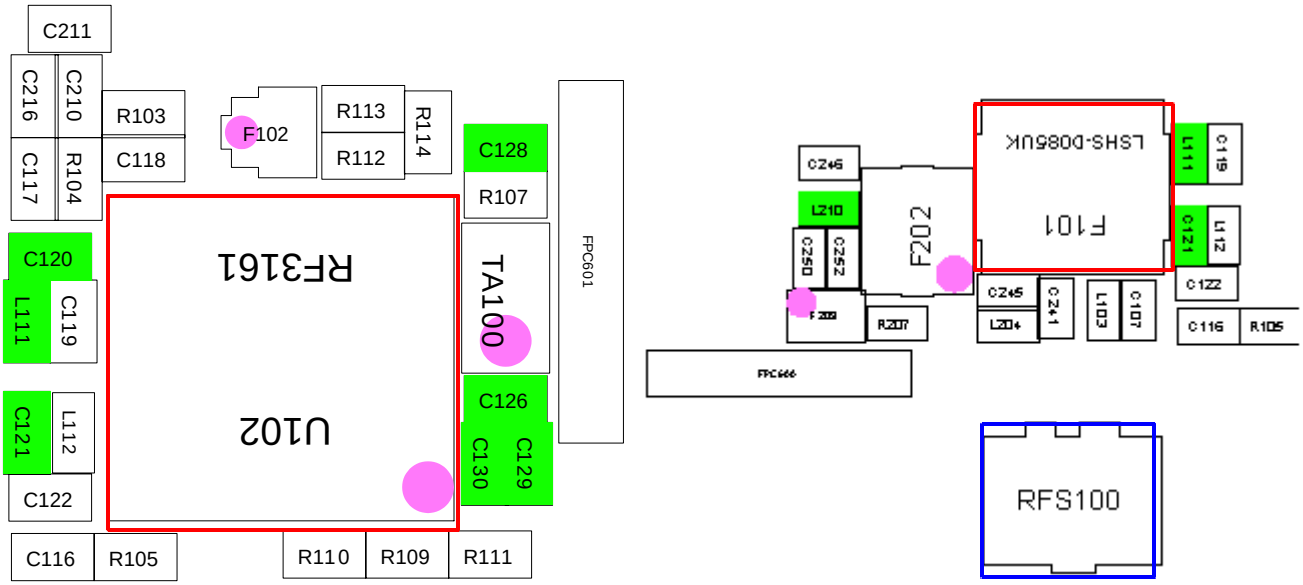
RF TRANSCEIVER



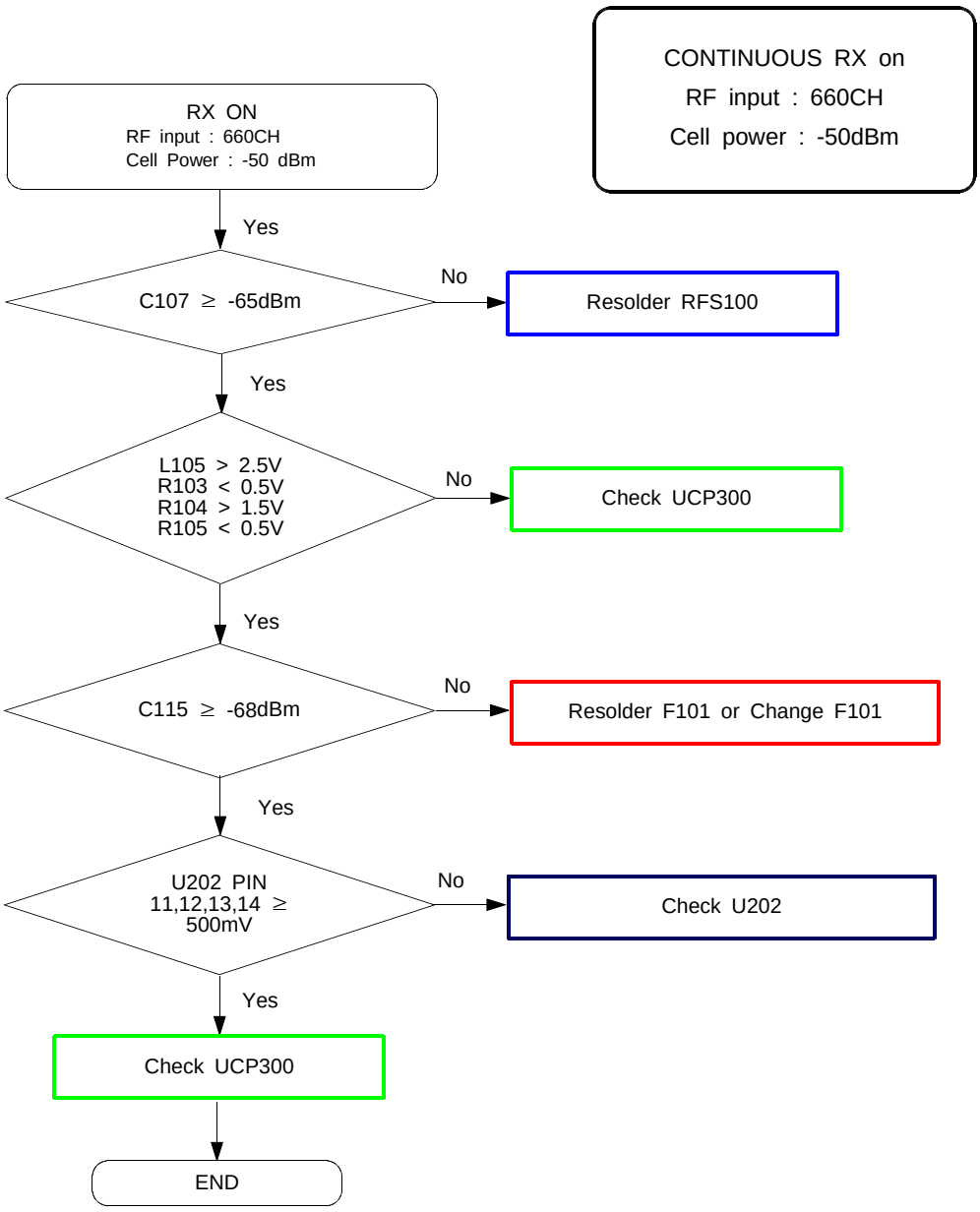
2G PAM

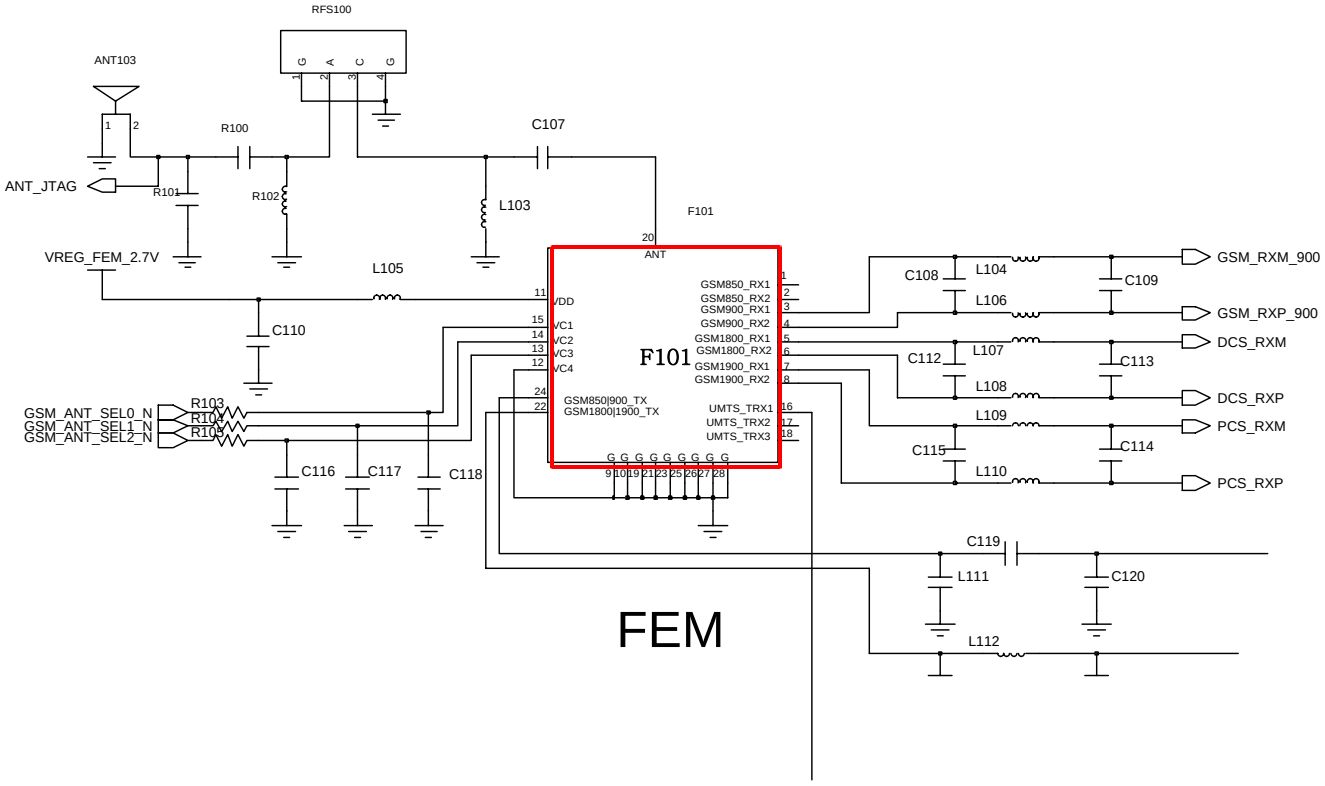


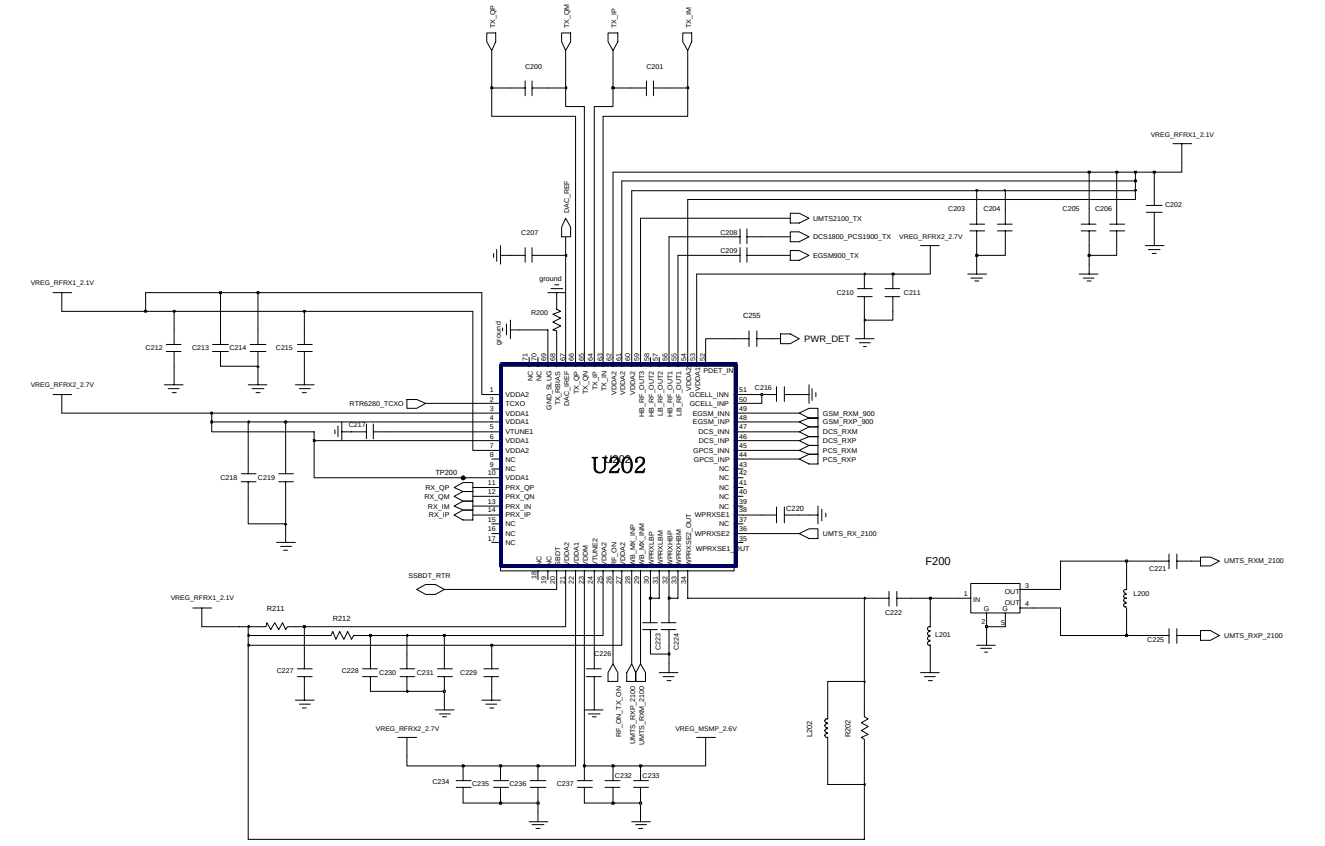


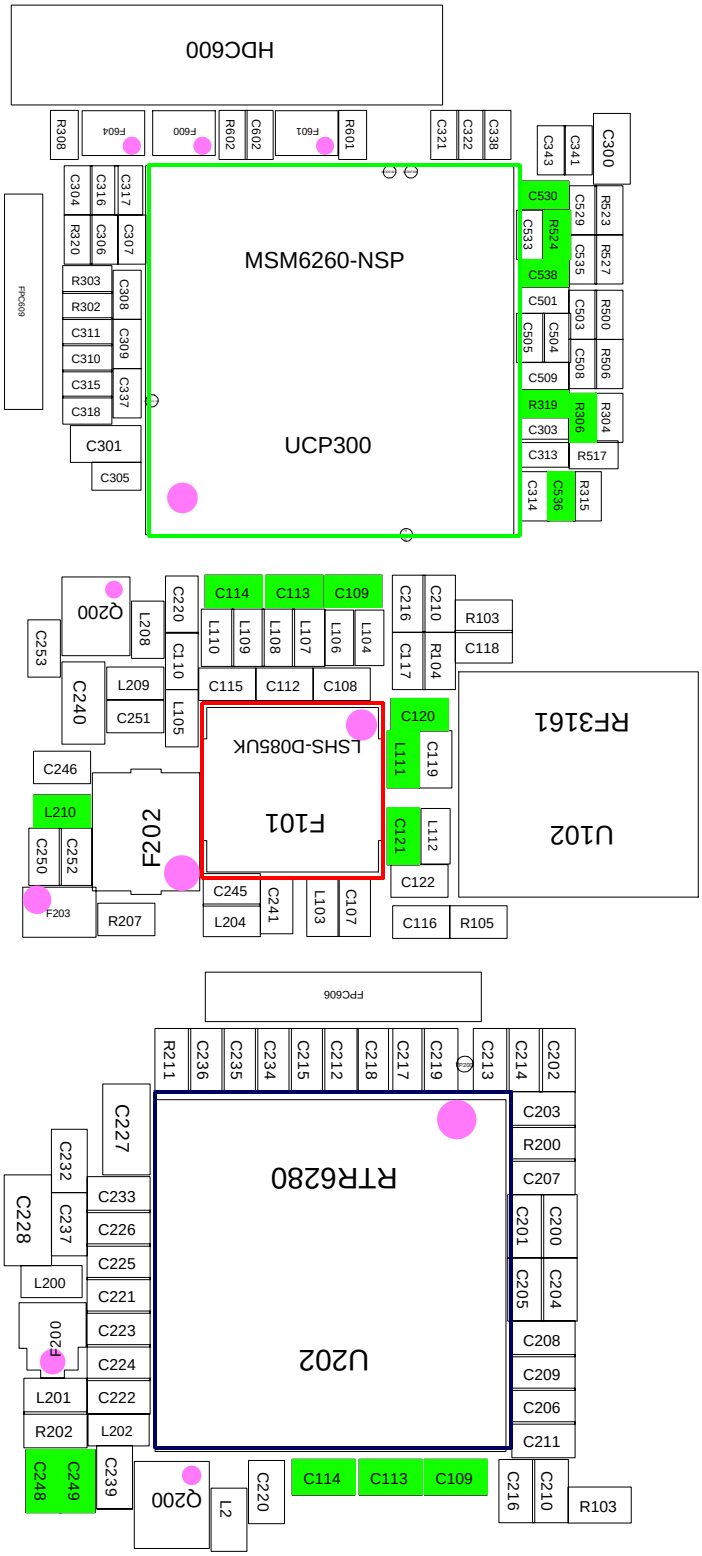


10-14. PCS Receiver

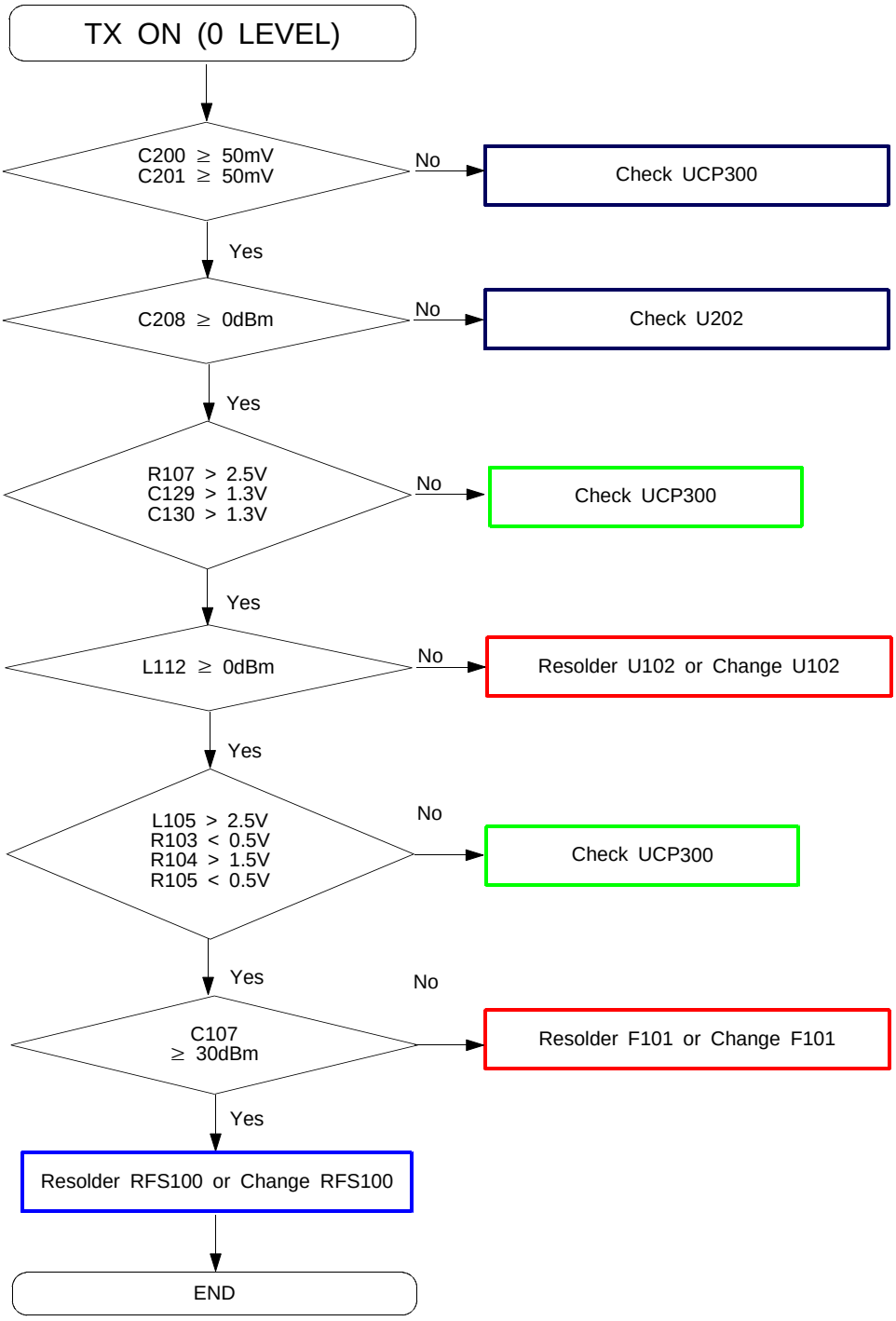


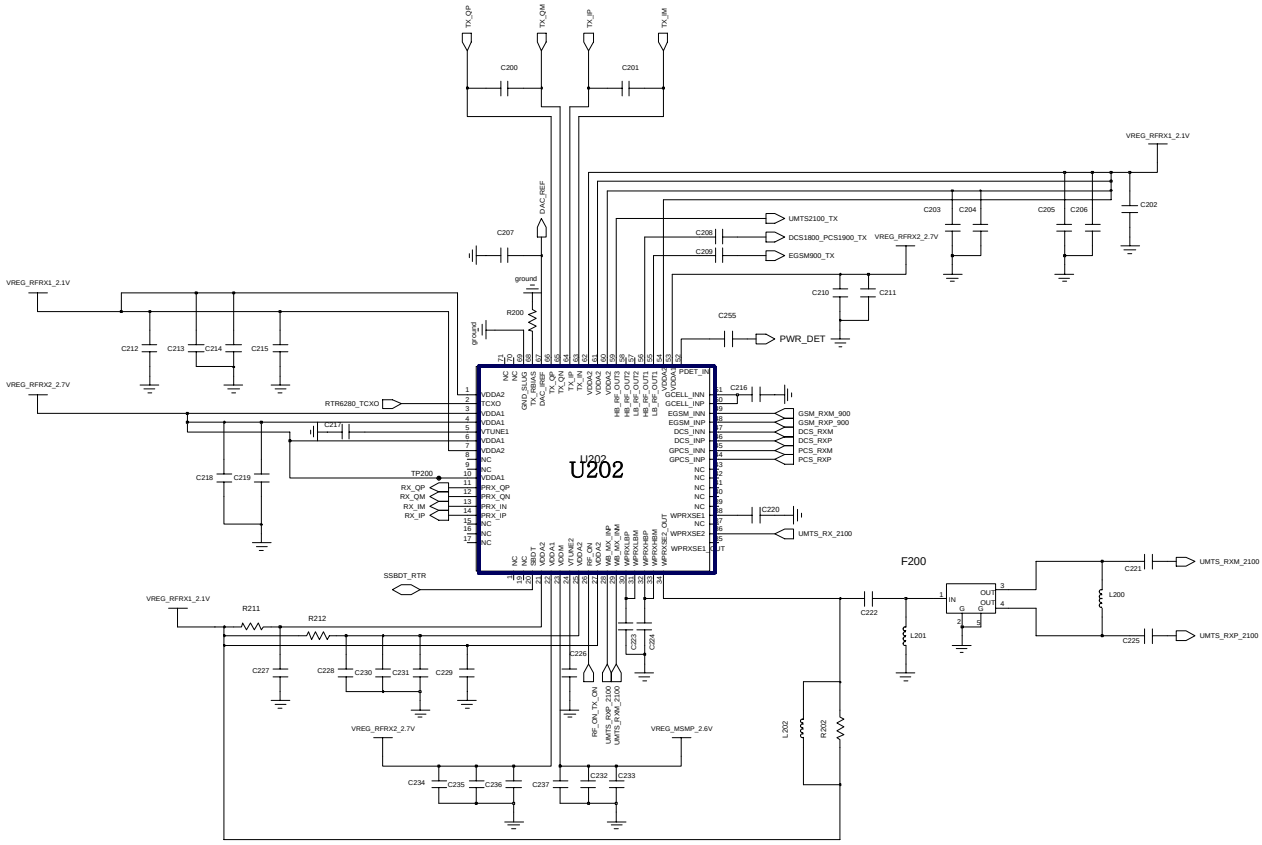




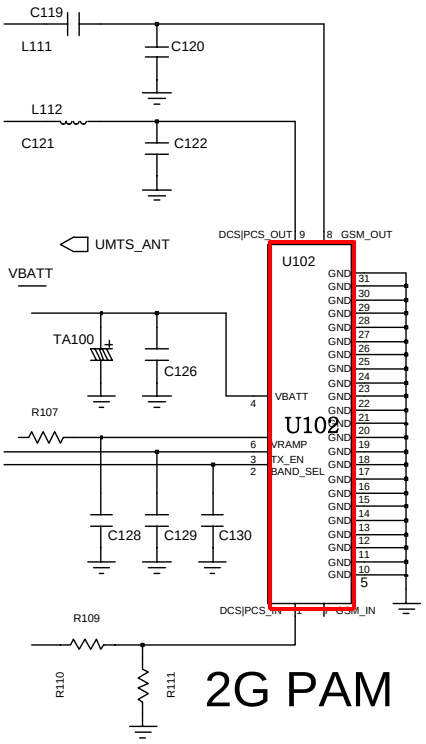


10-15. PCS Transmitter

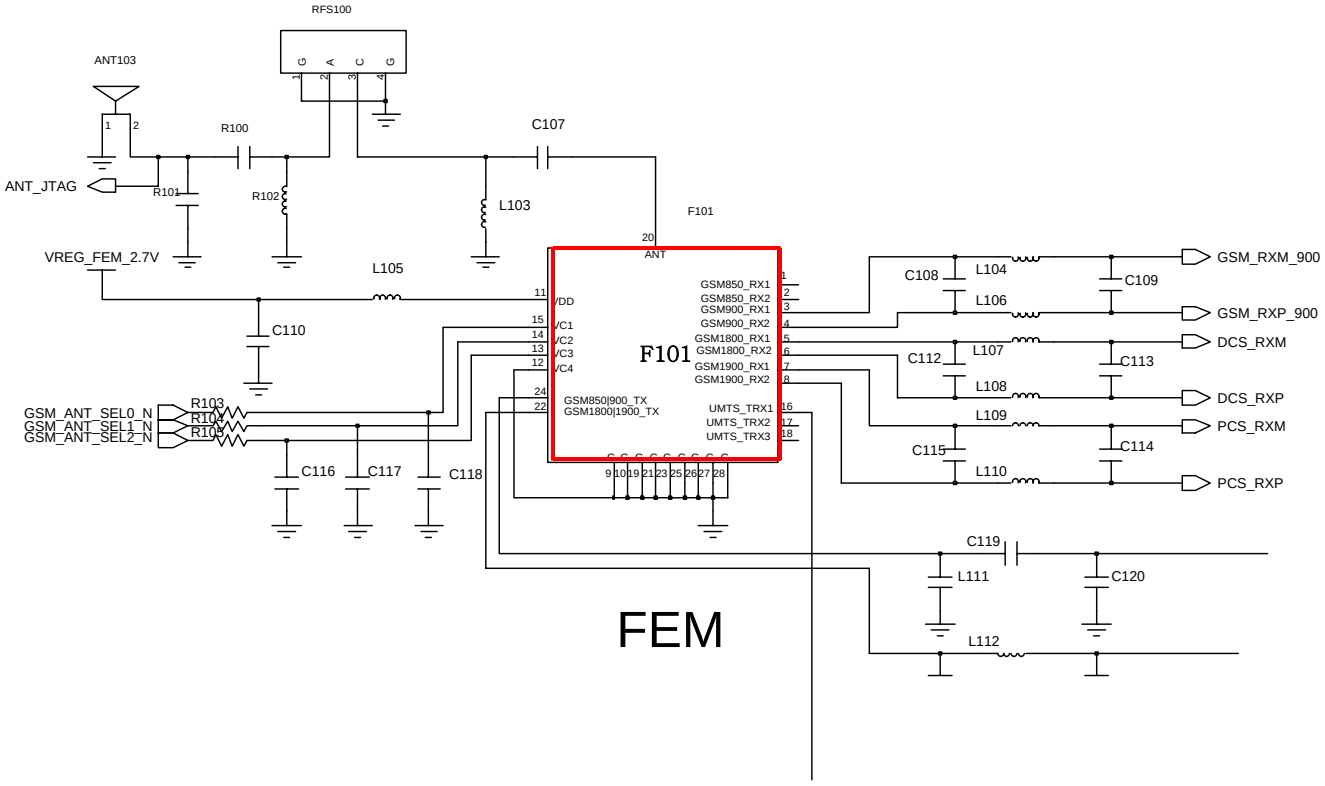


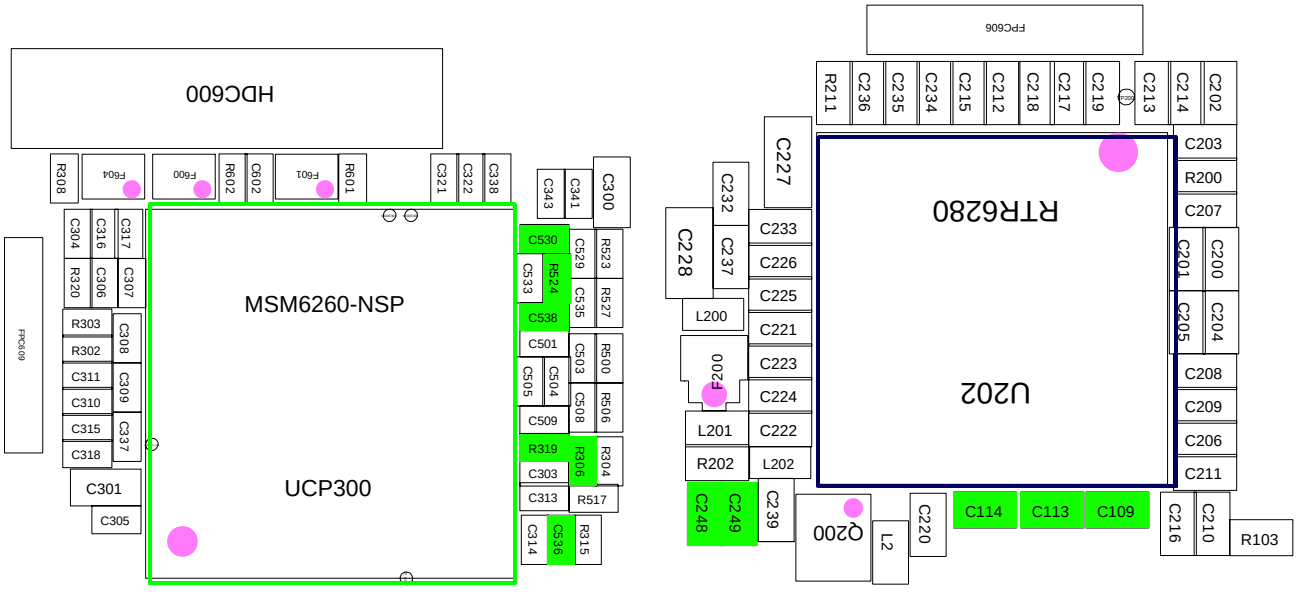


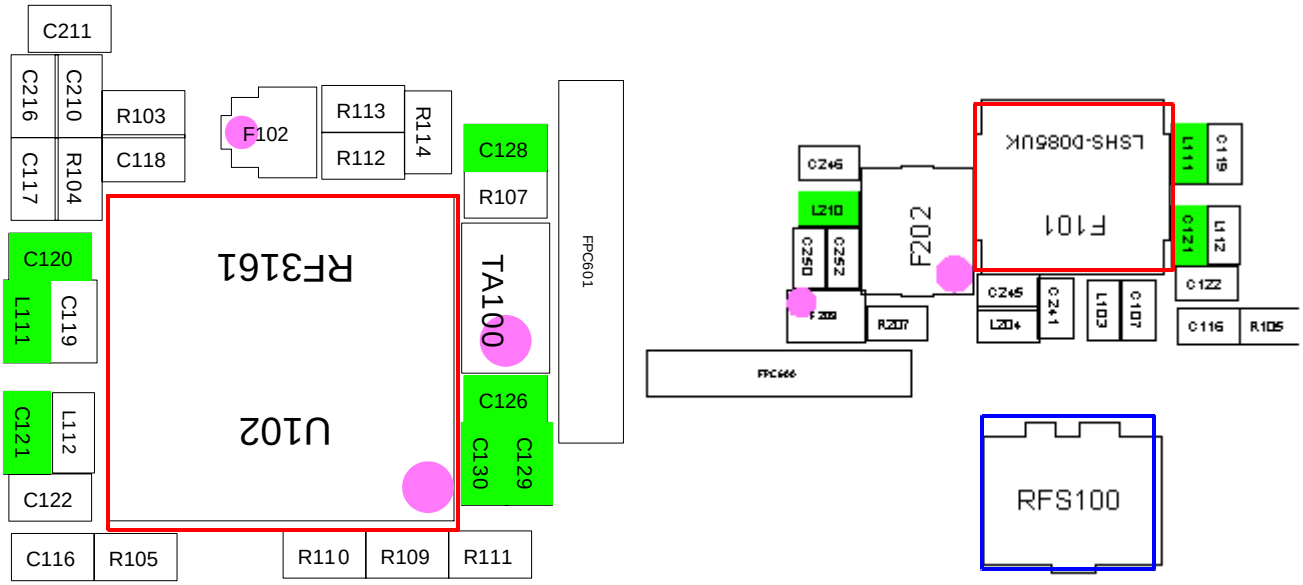
RF TRANSCEIVER



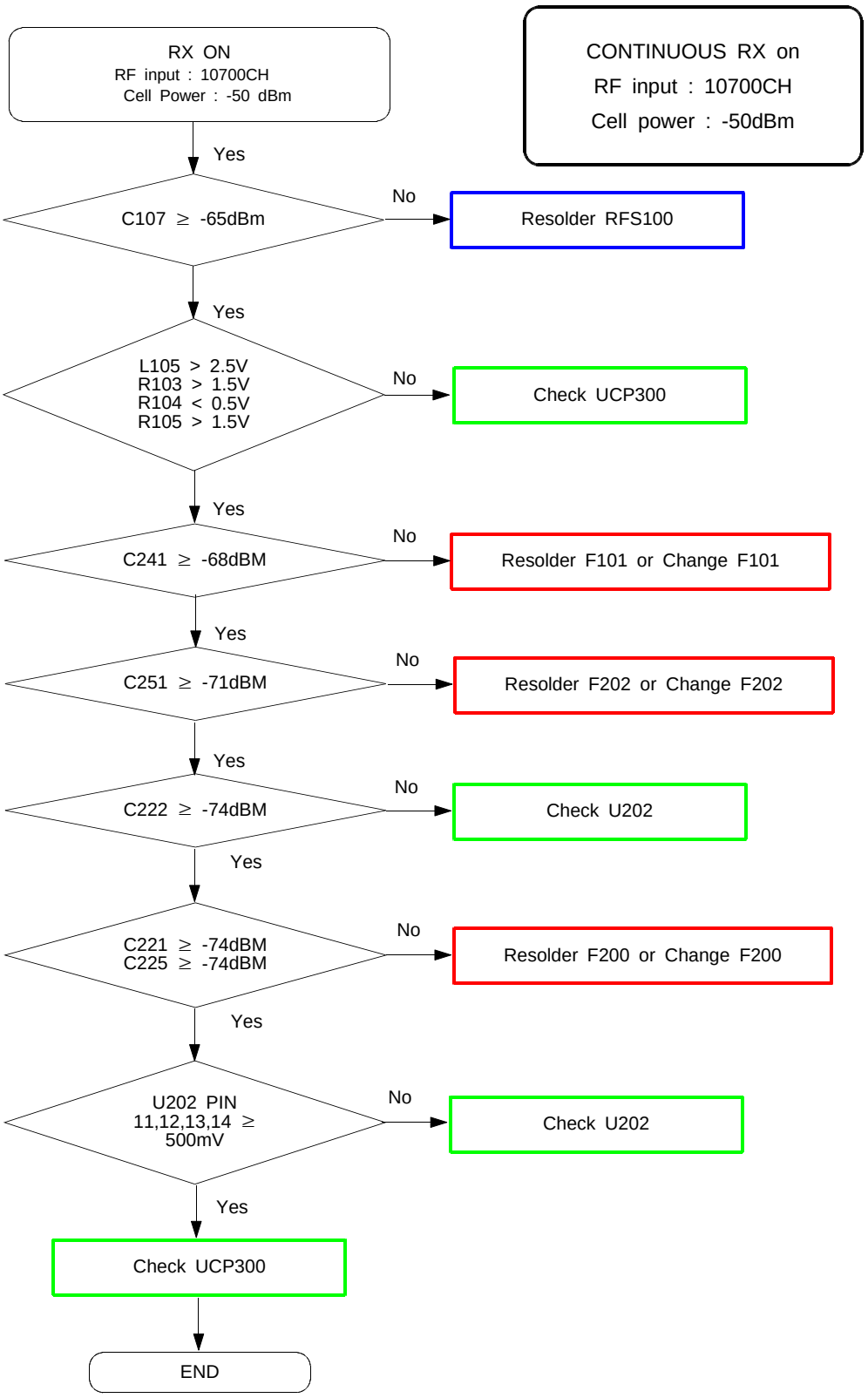
2G PAM

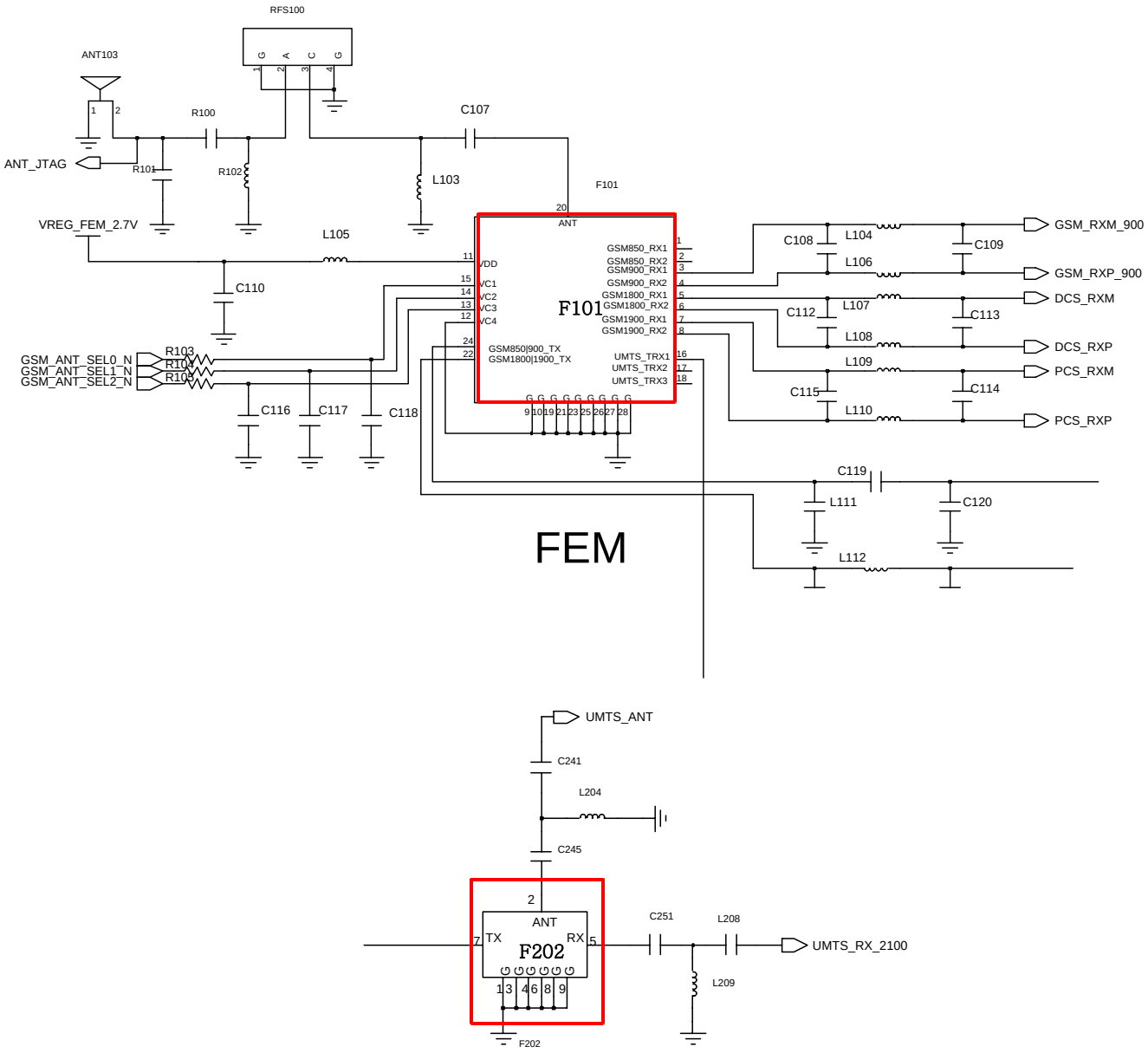


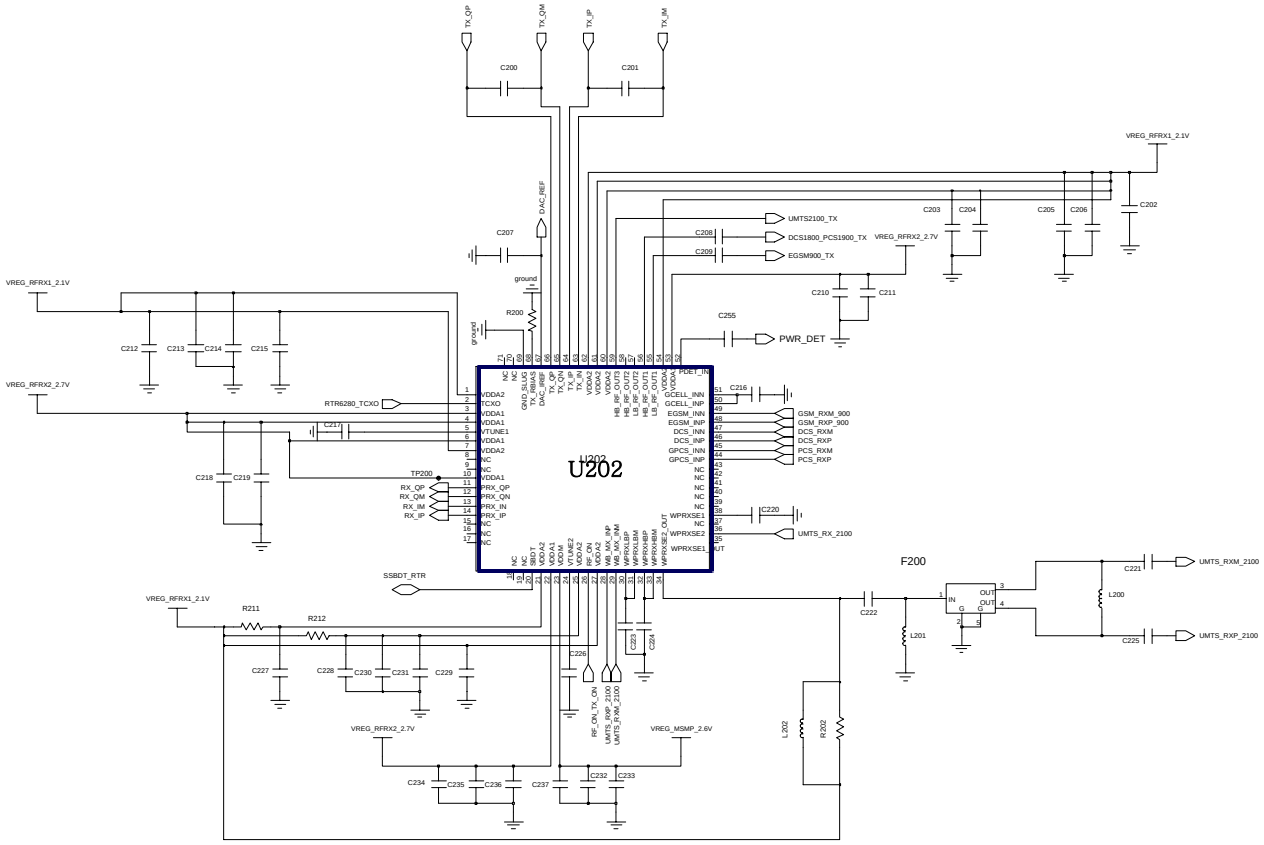




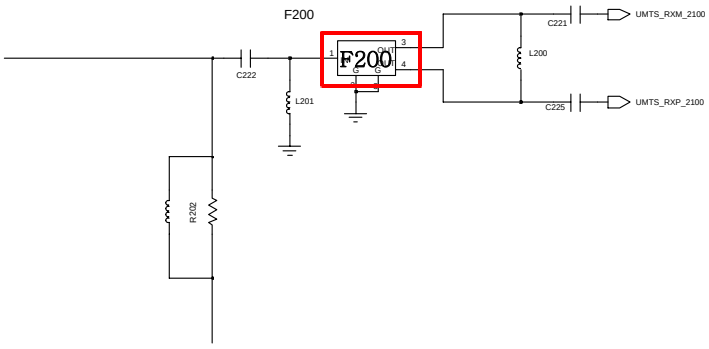
10-16. WCDMA Receiver

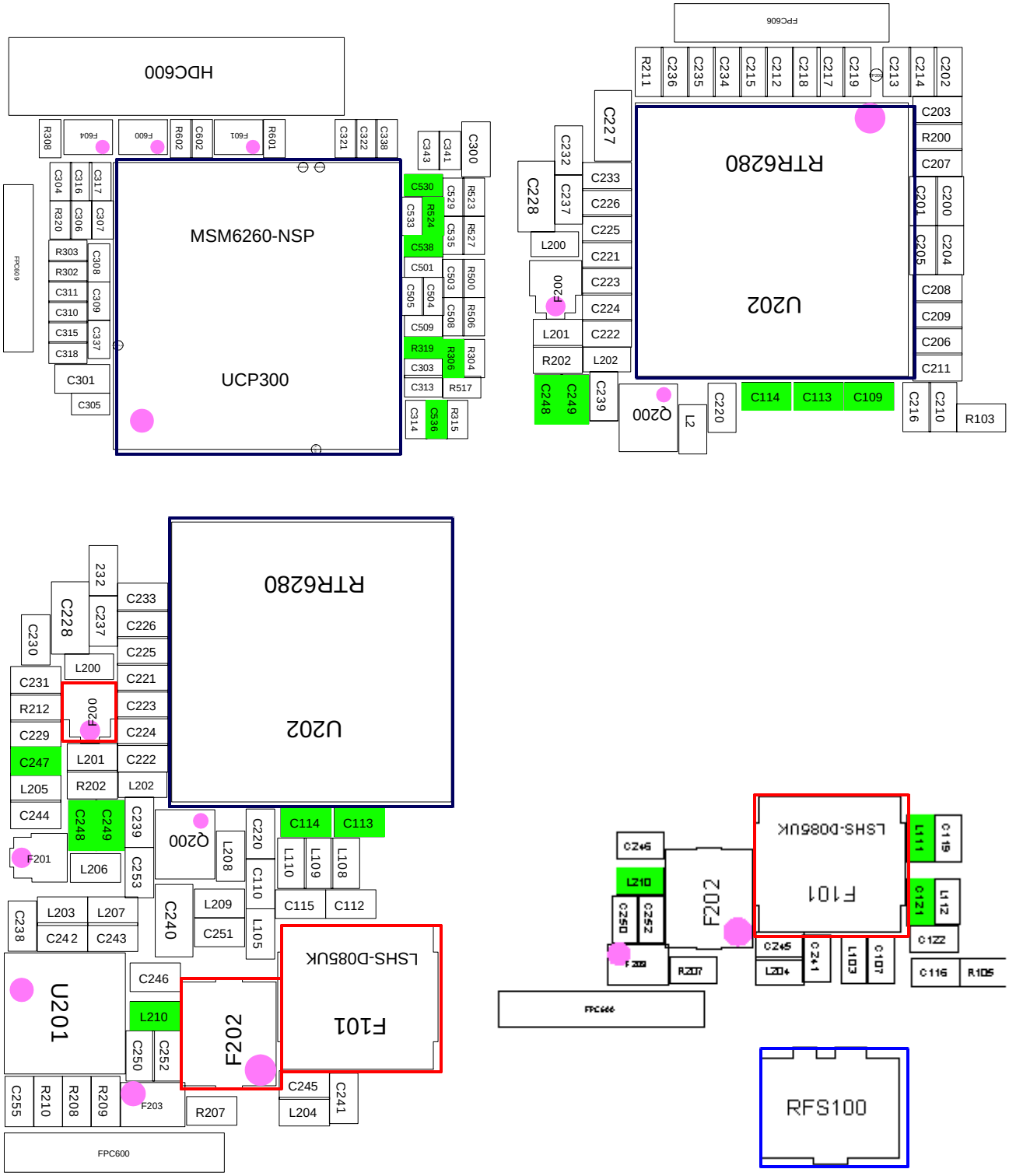




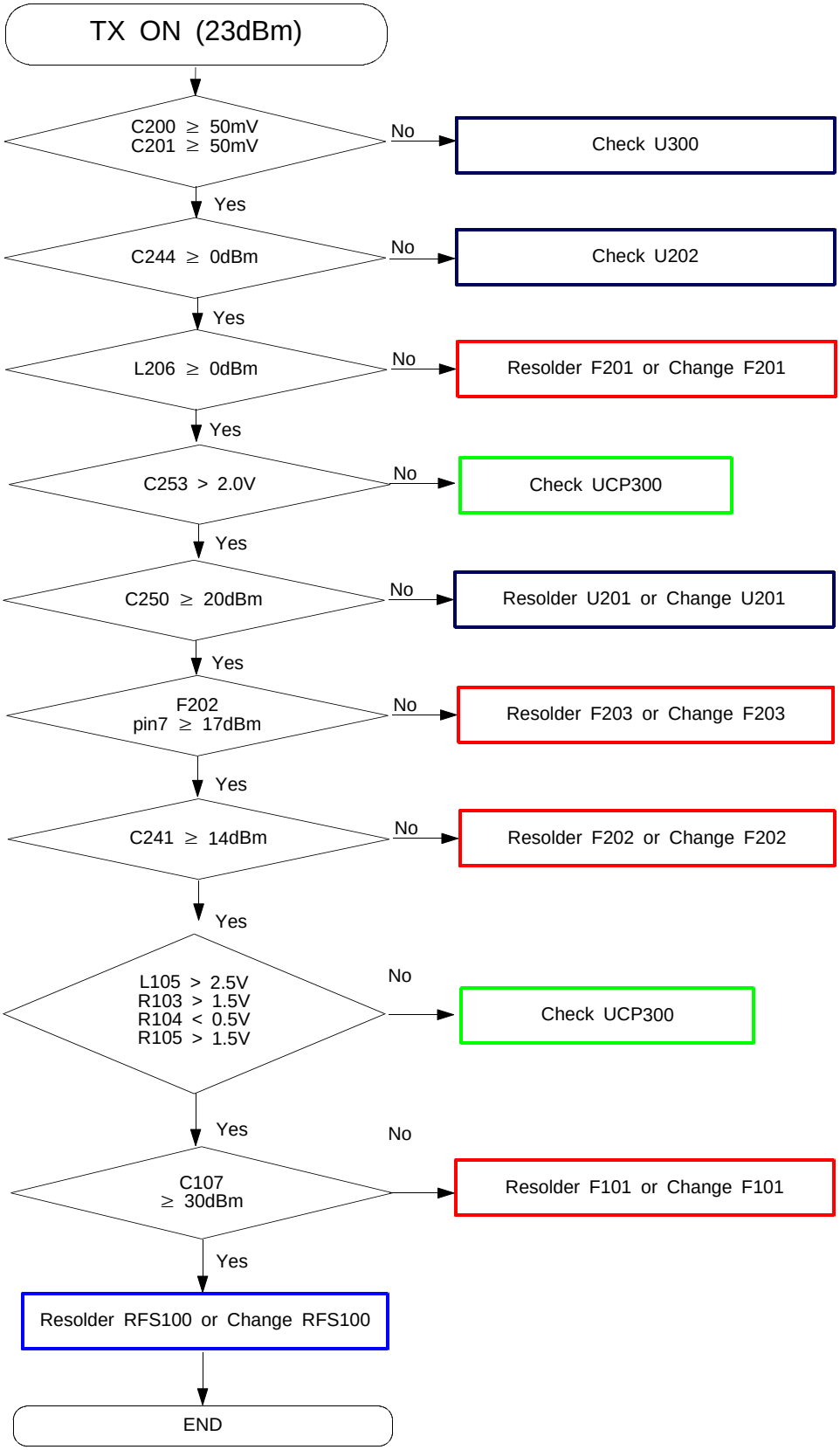


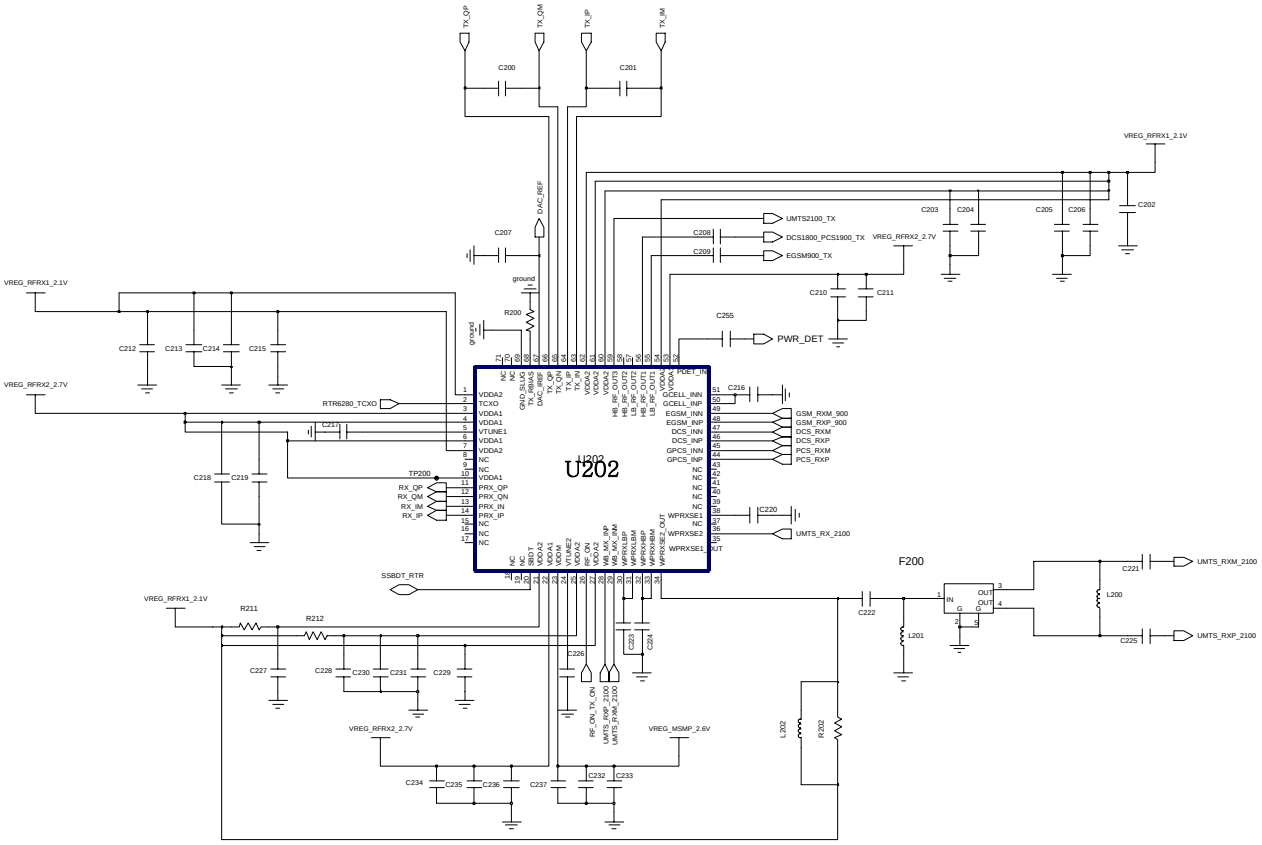
RF TRANSCEIVER



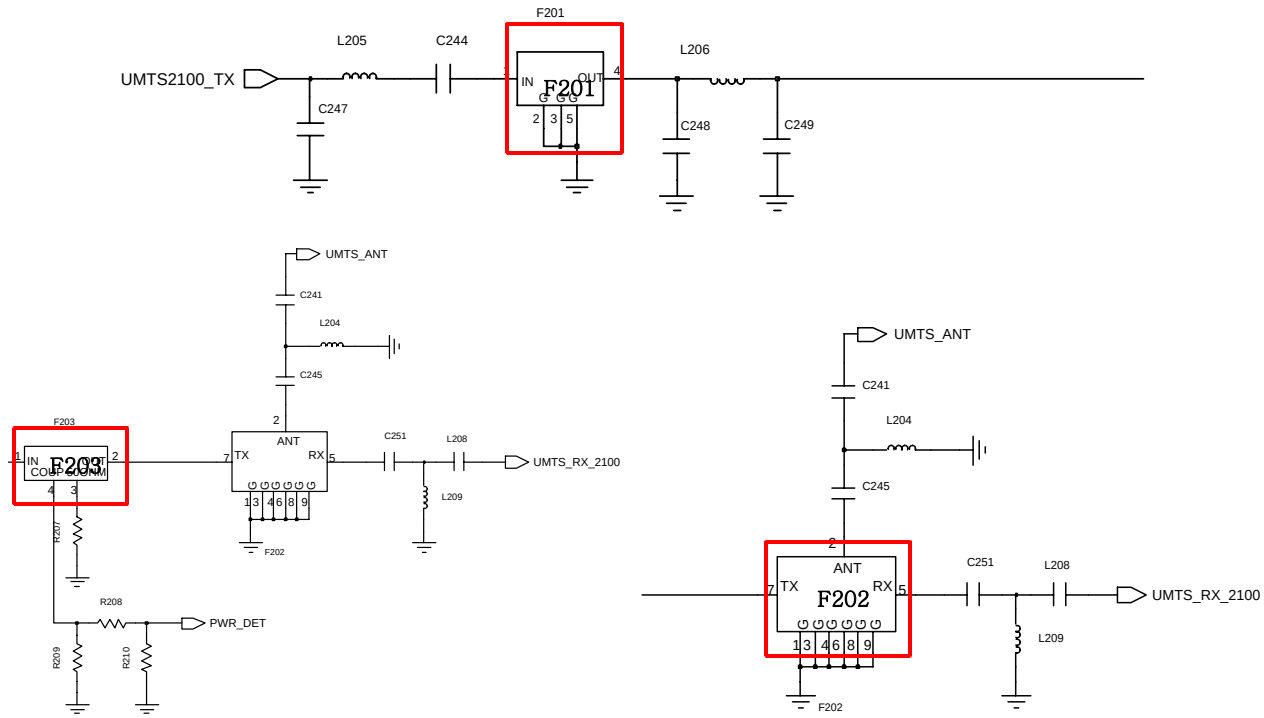


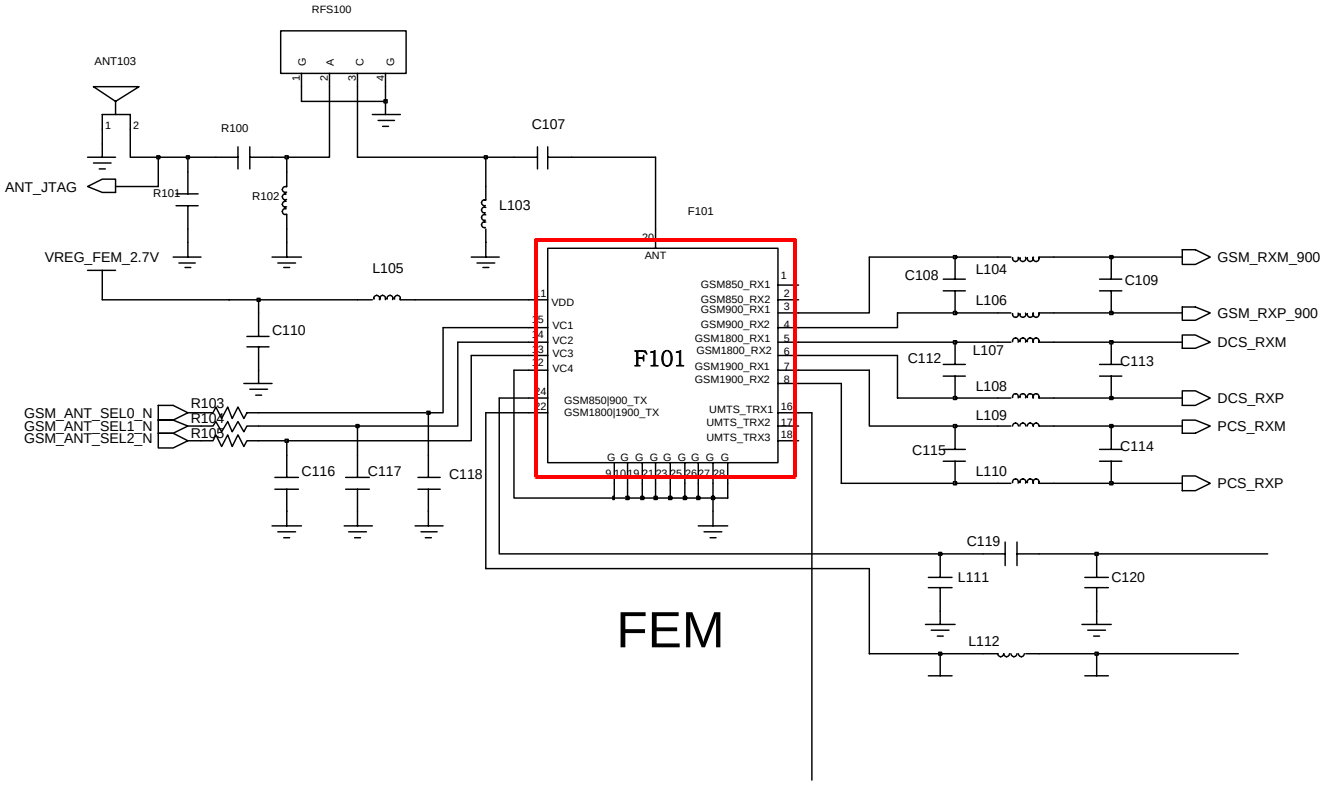
10-17. WCDMA Transmitter

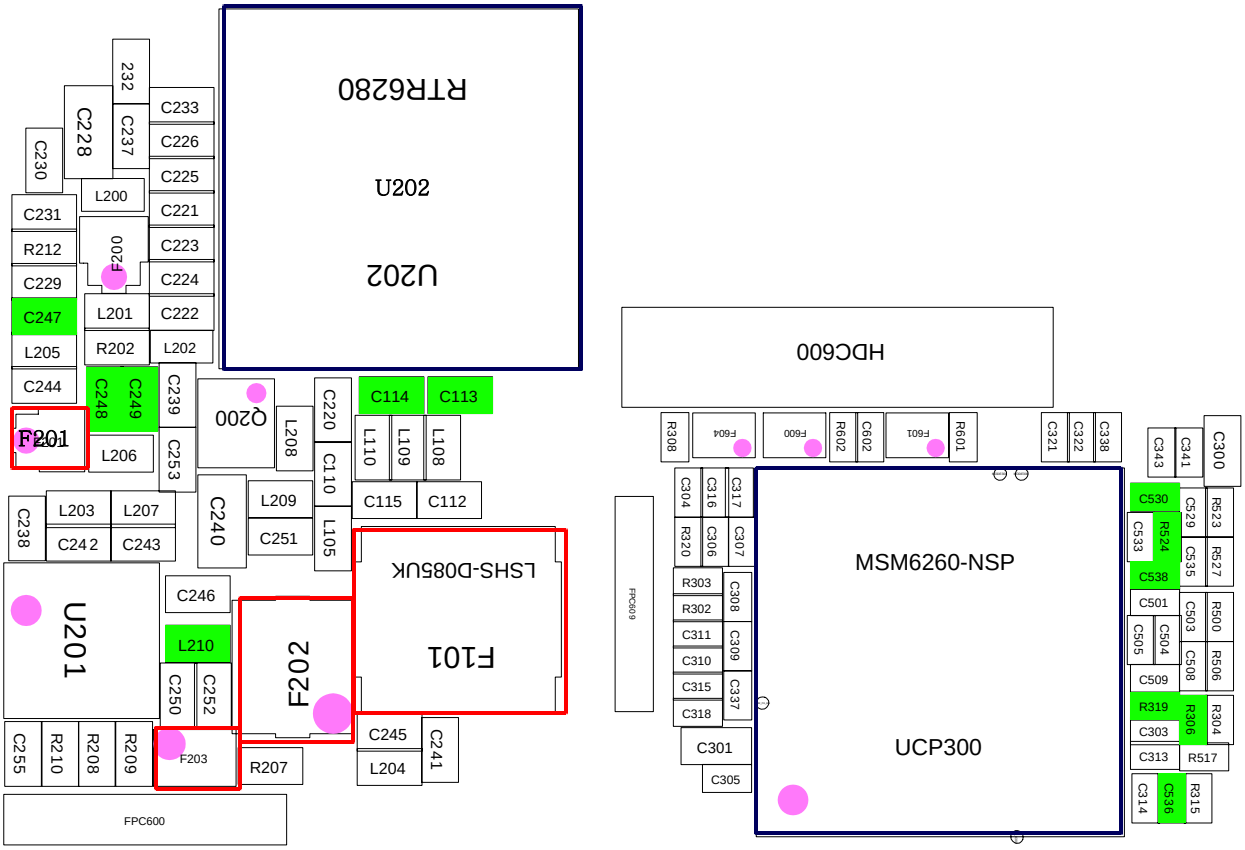


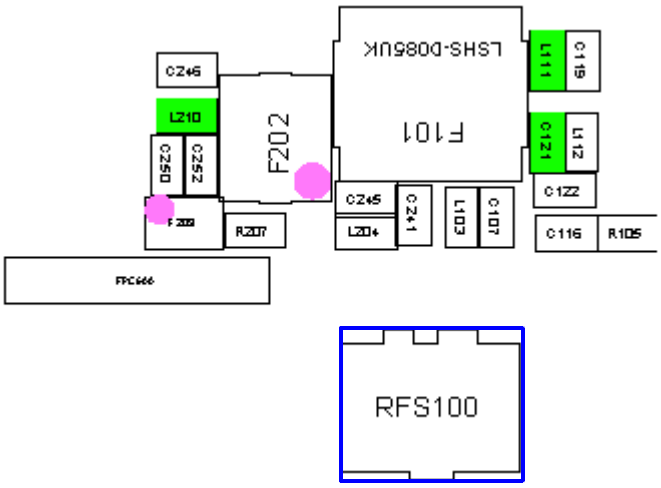


RF TRANSCEIVER

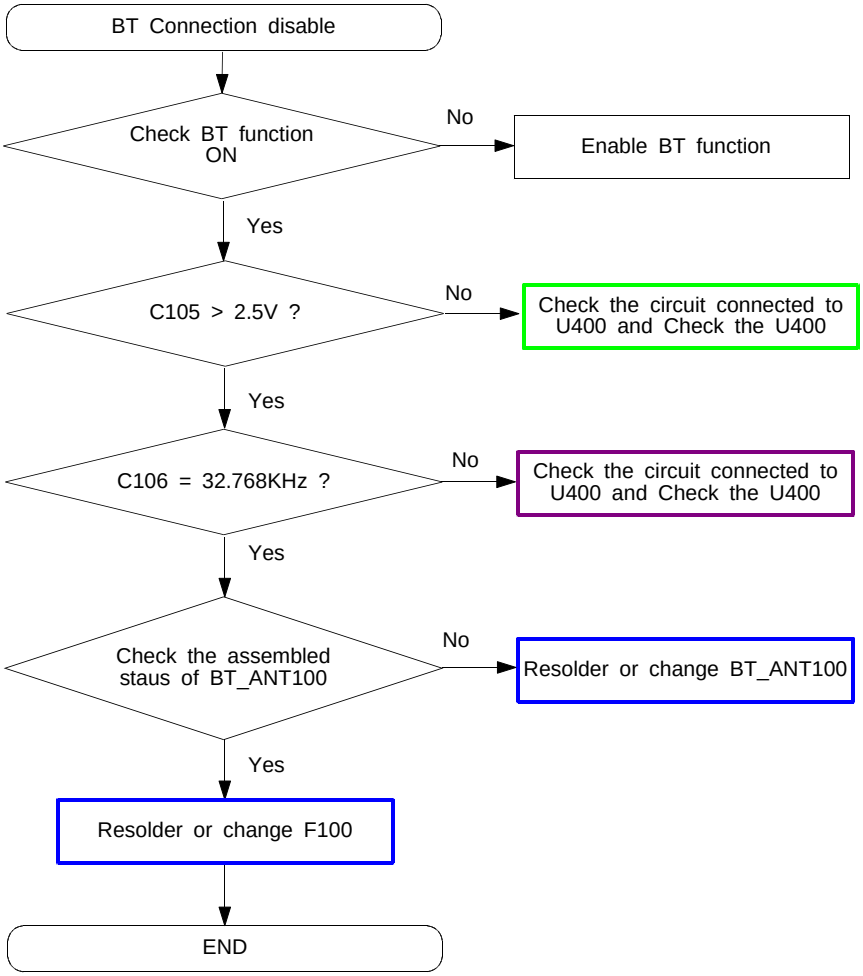


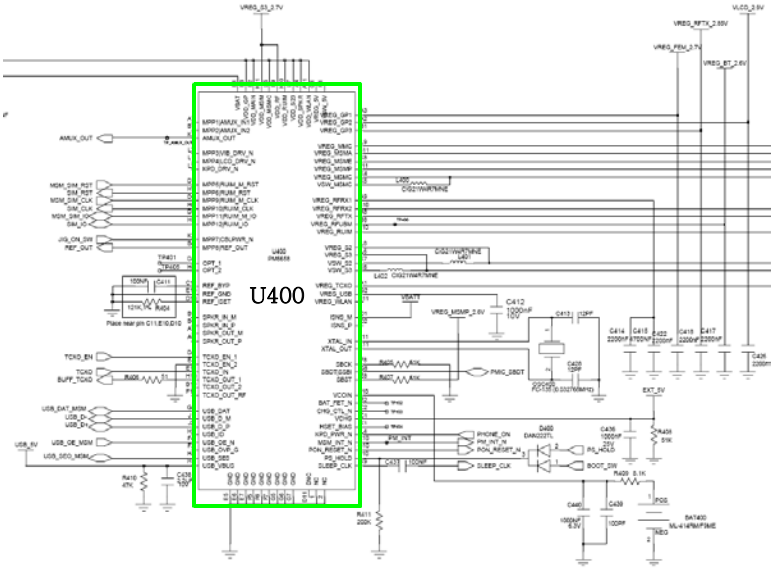




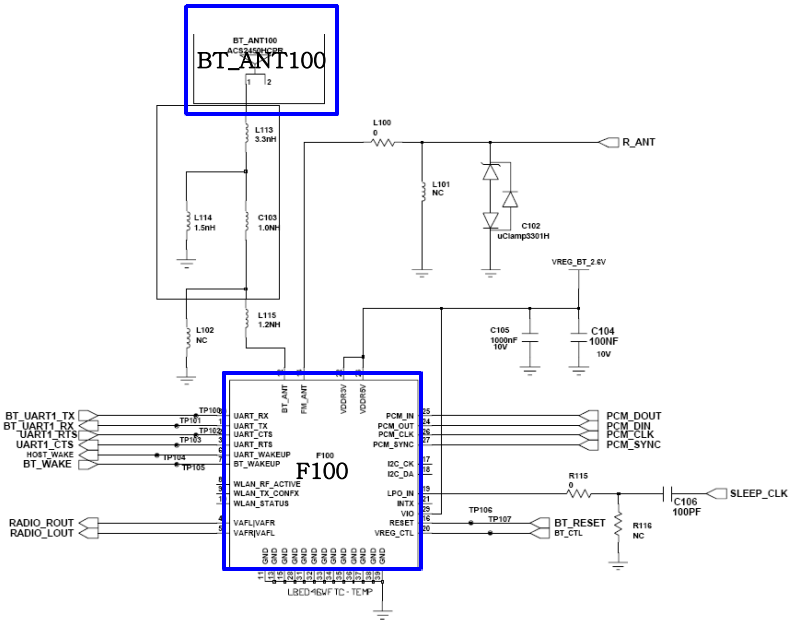


10-18. Bluetooth Part

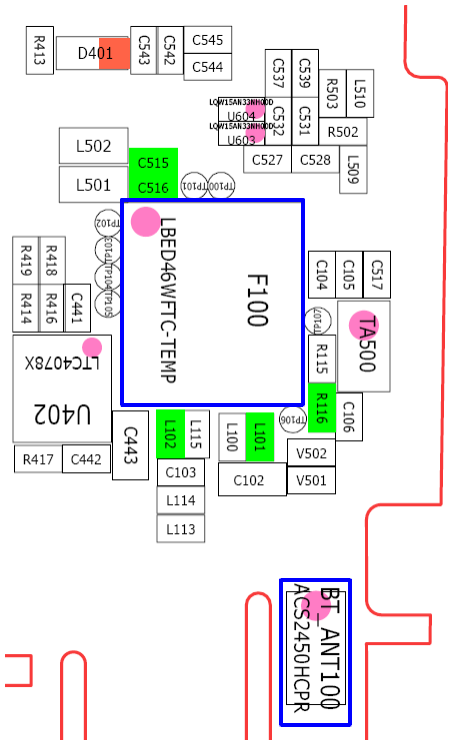


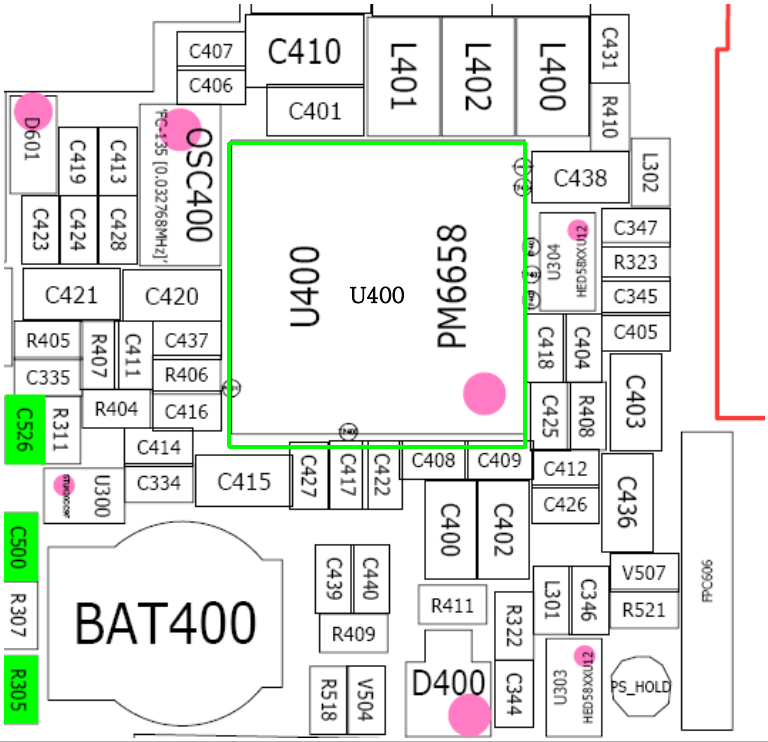


PM IC



BT + FM RADIO





4. Array course control

4-1. Software Adjustments

1. JIG(GH80-03308A): Download, Trace, Calibration, etc

2. 0.4M Test cable(GH39-00886A): JIG to phone

3. 1.5M Test cable(GH39-00890A): JIG to phone

4.Travel Adaptor(GH44-01702A)

5.Data Link Cable(GH39-00922A): USB cable

6.Serial cable(LJ39-00013A) : PC to JIG

7. RF test cable(GH39-00397A): RF test

4-2. Software Downloading

4-2-1. Downloading Binary Files

•Four binary files for downloading L810V

– amss_compressed.bin : Modem binary for communication function and user interface and various application

– Rsrc_L810_Vodafone.rc1 : Files need for each application

– Rsrc2_L810V(Low).rc2 : Power on/off animation

– FactoryFs_L810_Vodafone.ffs : Default file system to be put into in initial production

4-2-2. Pre-requsite for Downloading

•Downloader Program (**MultiLoader V5.32.exe**)

•SGH-L810V Mobile Phone

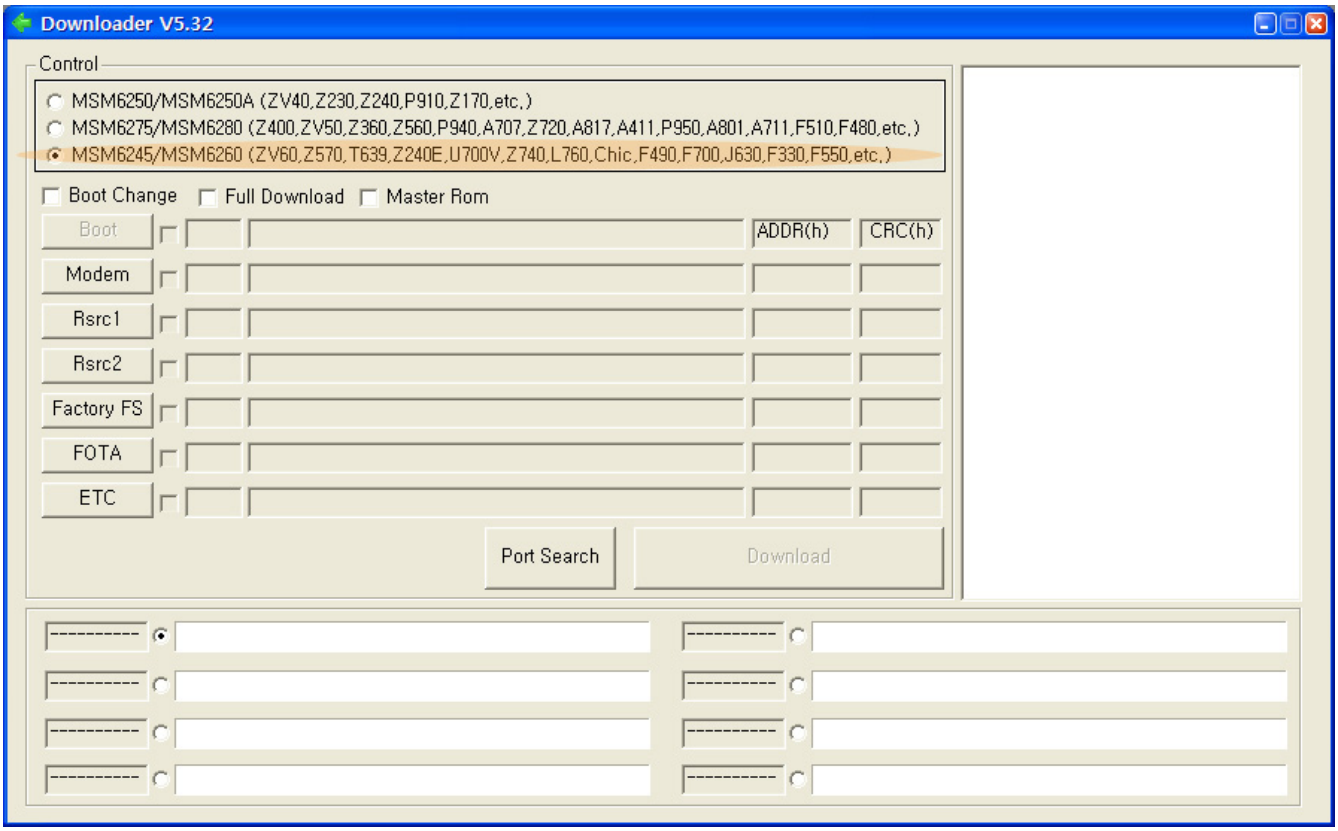
•USB Data Link Cable

•Binary files

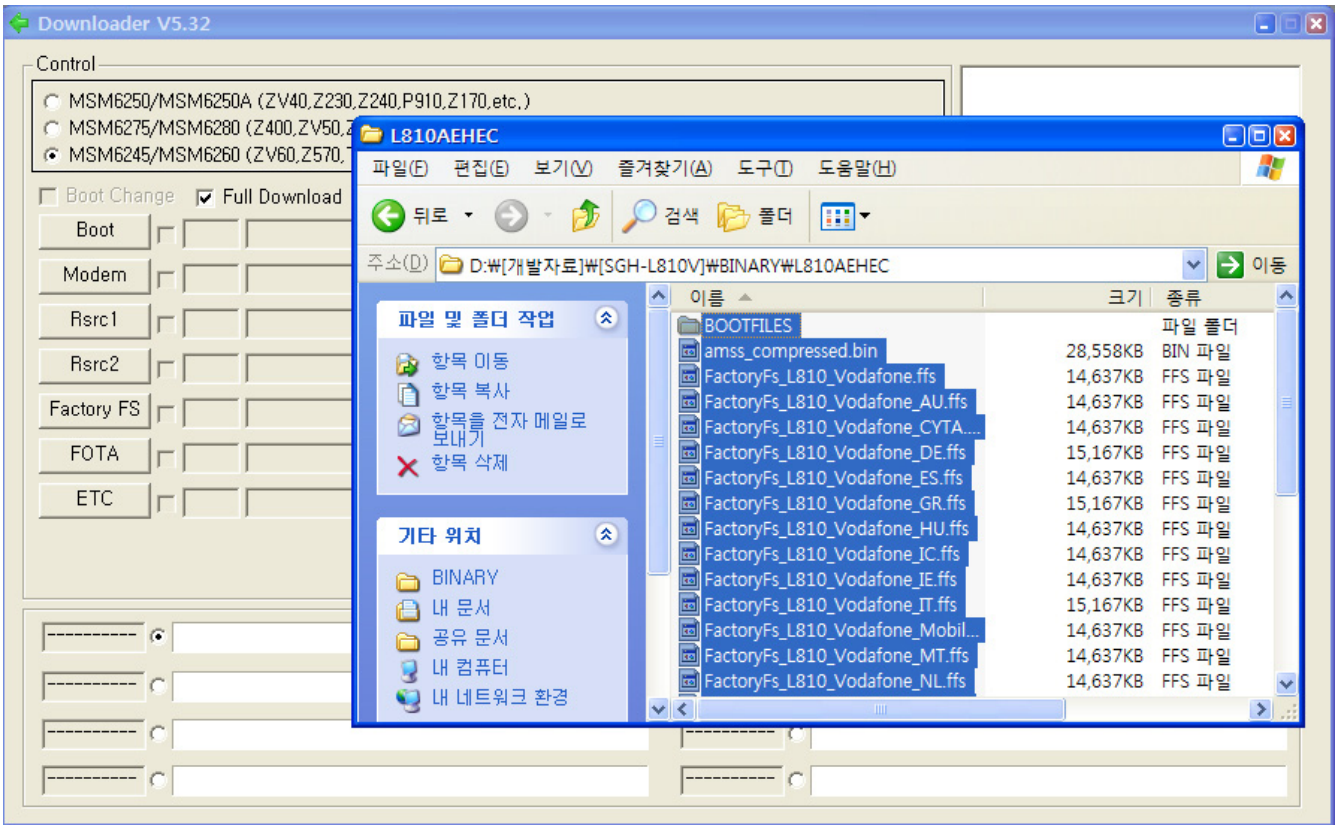
4-2-3. S/W Downloader Program

1. Boot the L810V by pressing 'power ON' + 'star(*)' at the same time.
If you do properly, you can see the following message on Main LCD "Download"

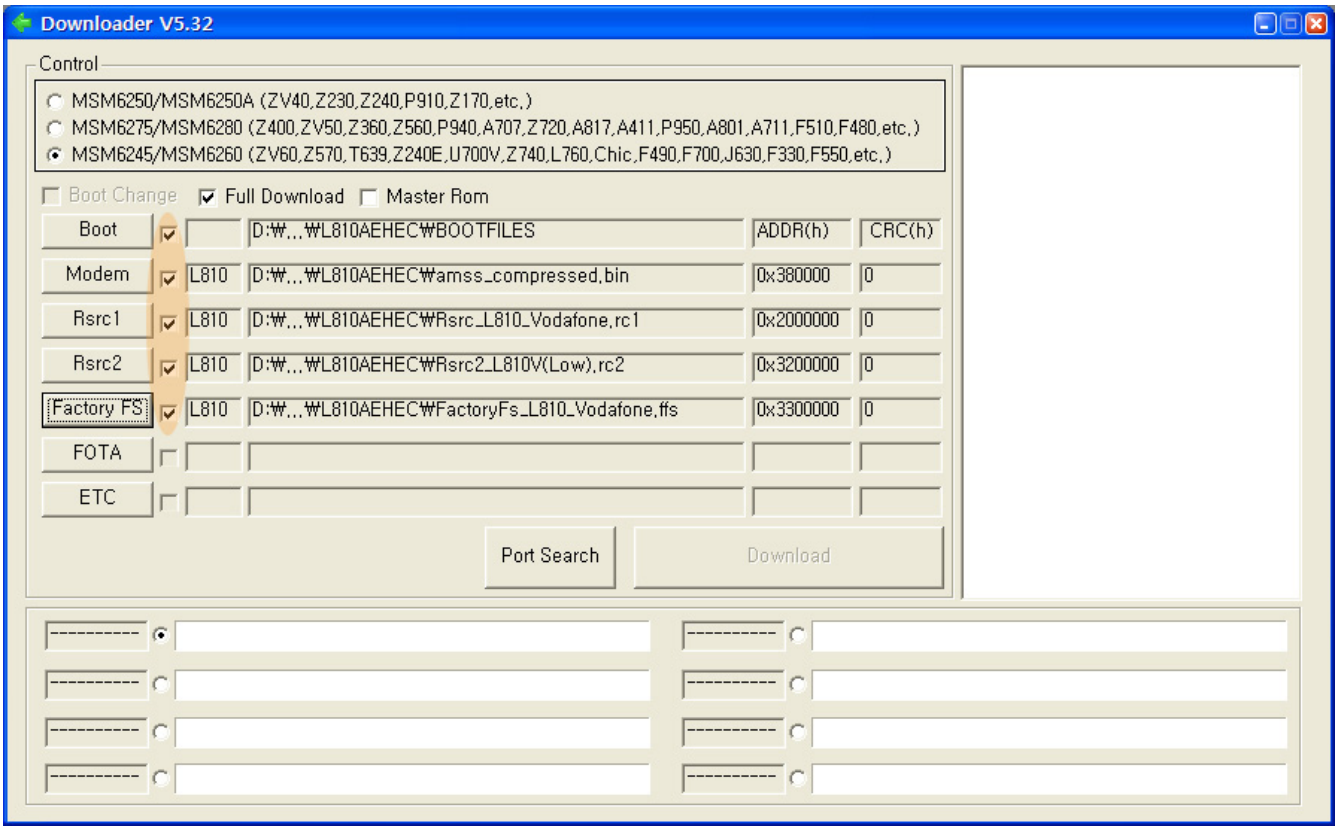
2. Load the binary download program by executing the "**MultiLoader V5.32.exe**".
And the Check the **MSM6245/MSM6260**



3. Select the binary file what you want to download and drag all

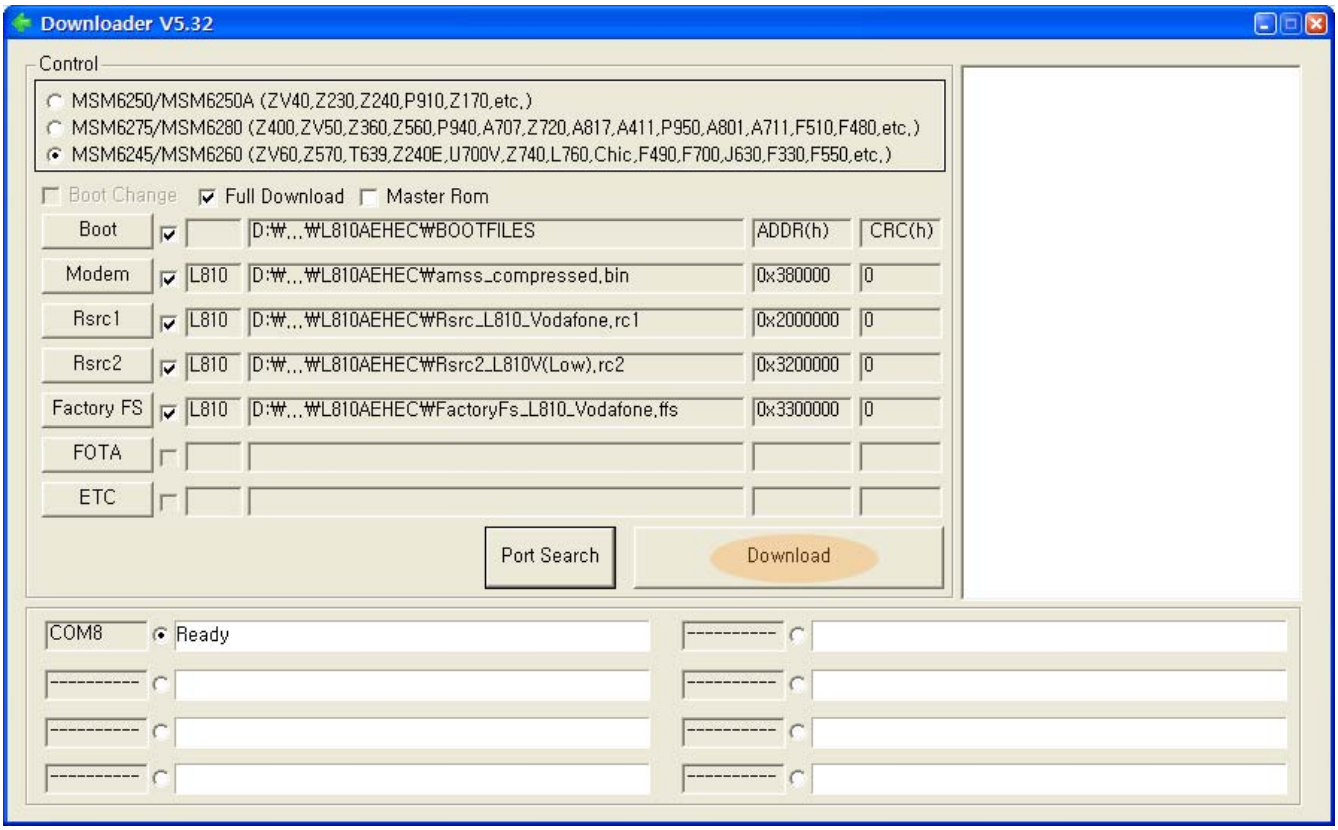


4. Select the check box what you want to download.



* Up to eight ports are supported.

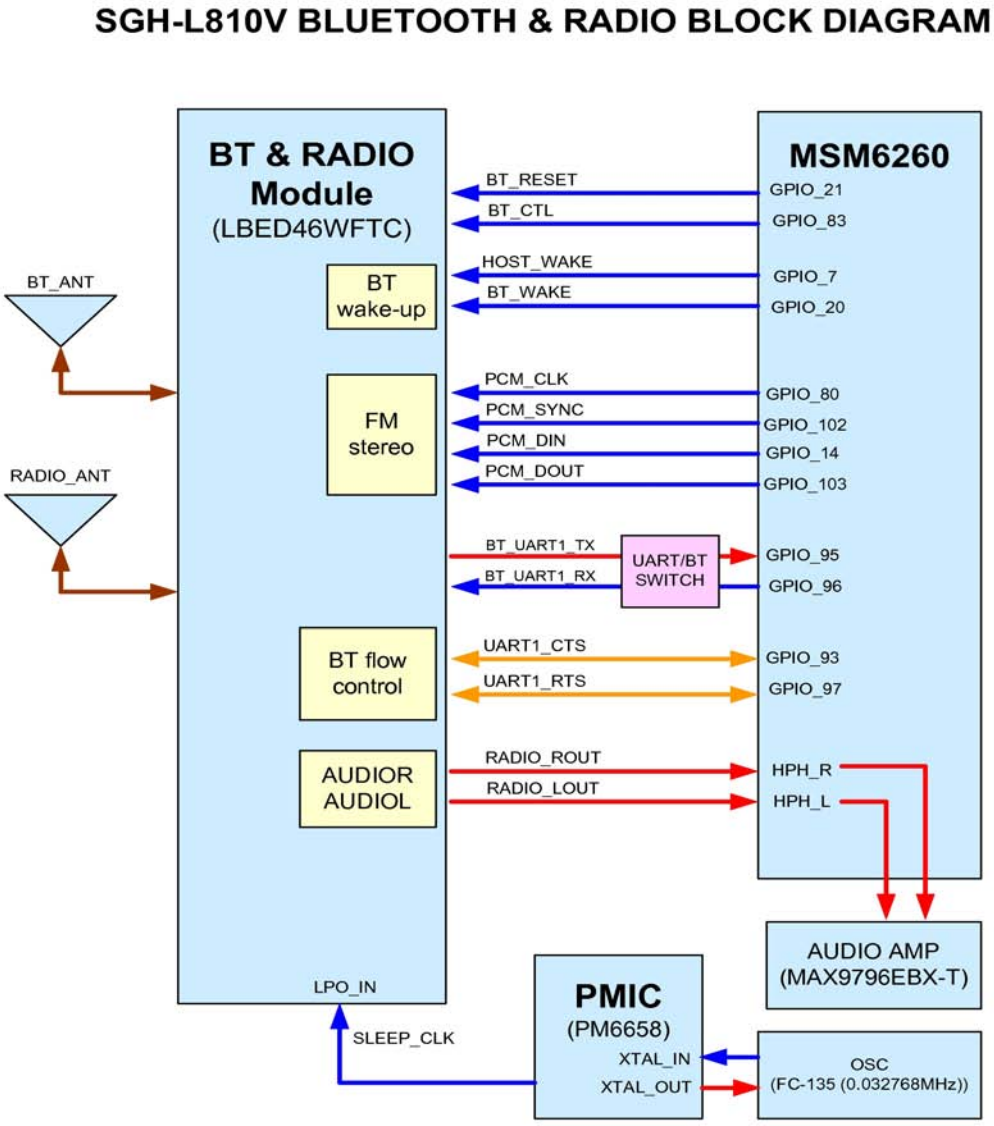
5. Now press the button 'DownLoad'.



6. When downloading is complete, UE reboot automatically.
-If there is difference in FactoryFS.bin, UE will format file system automatically.

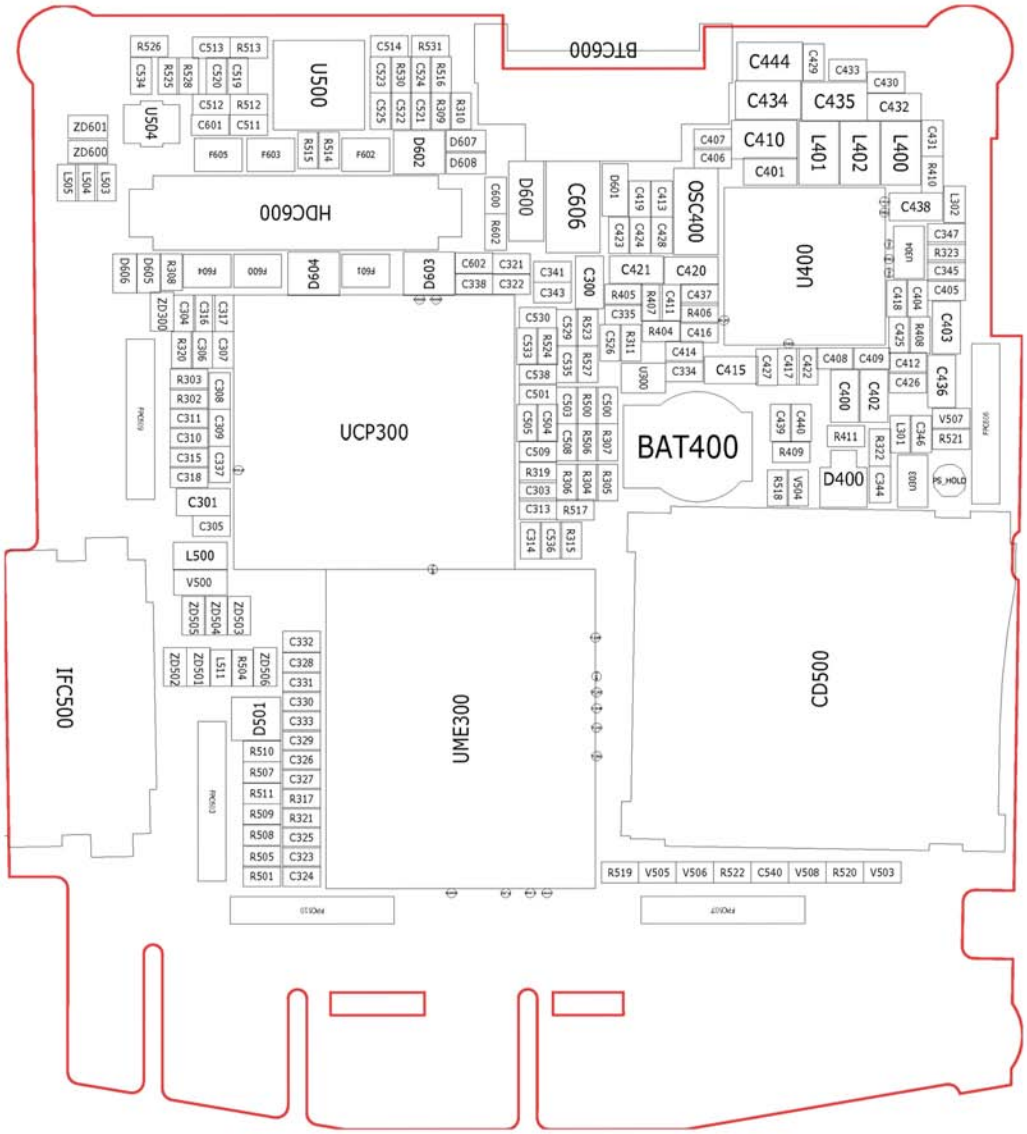
8. Block Diagrams

8-1. RF Block Diagram

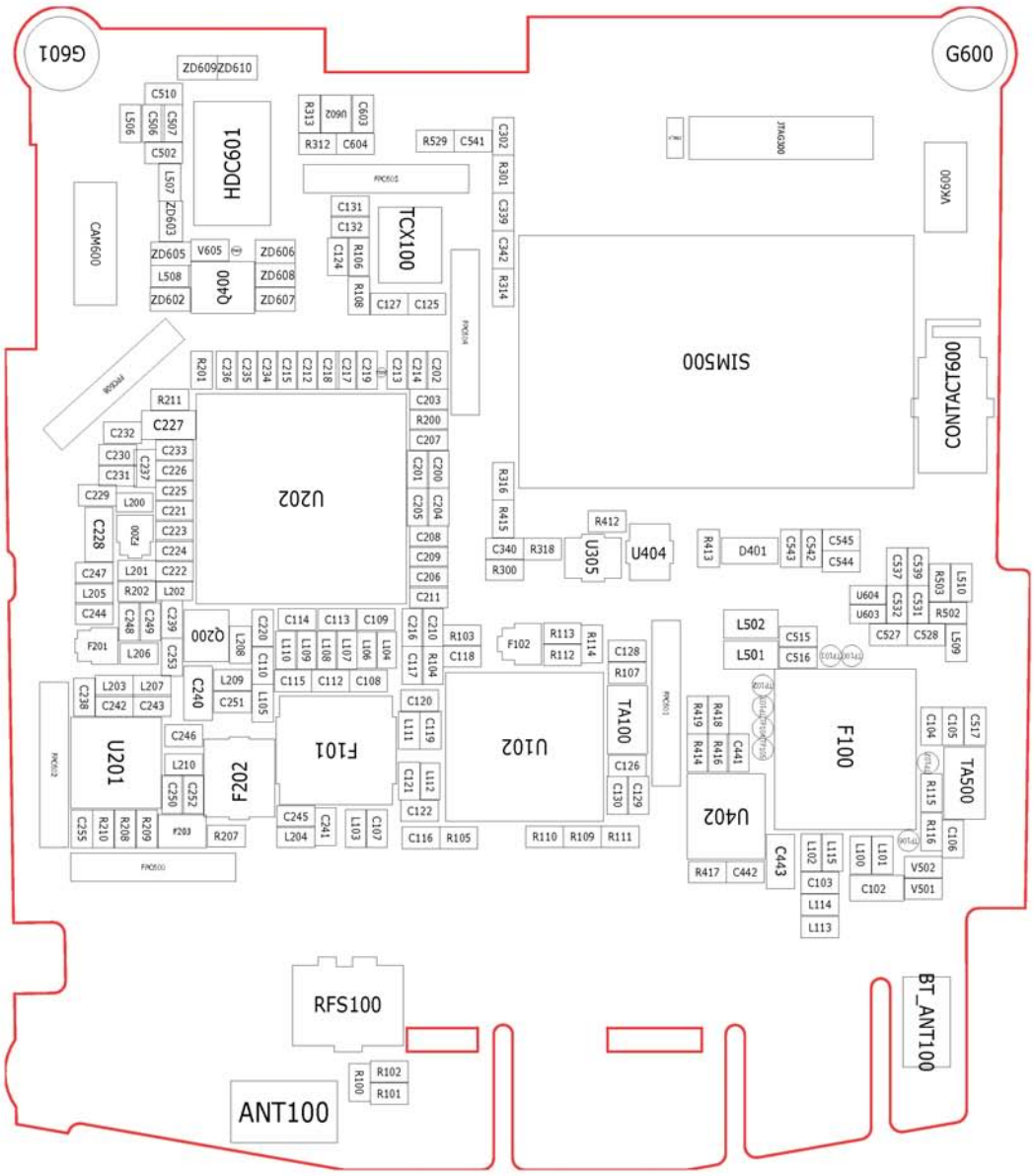


9. PCB Diagrams

1. Main top



2. Main bottom



3. Product Function

Main Function

- Bluetooth Class 2
- Extended GSM 900MHz & DCS1800MHz & PCS1900MHz &WCDMA 2100MHz Quad Band
- Slide type
- Color LCD (2.2" QVGA 39.19×54.62×2.05t_max)
- Built-in 3 Mega pixel and CIF Camera
- Built-in MP3 Player
- GPRS Multi-slot Class 12
- Downloadable Game via JAVA
- Sending Photo & Video by MMS or E-Mail
- External Memory Card Socket (T-flash)
- 880mAh Battery

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	D600	DIODE-ZENER
0404-001172	D401	DIODE-SCHOTTKY
0406-001190	D501	DIODE-TVS
0406-001201	D601	DIODE-TVS
0406-001203	C102	DIODE-TVS
0406-001254	D605	DIODE-TVS
0406-001254	D606	DIODE-TVS
0406-001254	D607	DIODE-TVS
0406-001254	D608	DIODE-TVS
0406-001254	ZD300	DIODE-TVS
0406-001254	ZD504	DIODE-TVS
0406-001254	ZD505	DIODE-TVS
0406-001254	ZD600	DIODE-TVS
0406-001254	ZD601	DIODE-TVS
0406-001254	ZD603	DIODE-TVS
0406-001254	ZD605	DIODE-TVS
0406-001267	ZD501	DIODE-TVS
0406-001267	ZD506	DIODE-TVS
0406-001303	ZD502	DIODE-TVS
0406-001303	ZD503	DIODE-TVS
0406-001303	ZD606	DIODE-TVS
0406-001303	ZD607	DIODE-TVS
0406-001303	ZD608	DIODE-TVS
0406-001303	ZD609	DIODE-TVS
0406-001303	ZD610	DIODE-TVS
0406-001304	D602	DIODE-ARRAY
0406-001304	D603	DIODE-ARRAY
0406-001304	D604	DIODE-ARRAY
0407-001002	D400	DIODE-ARRAY
0504-000168	Q400	TR-DIGITAL
0504-001151	Q200	TR-DIGITAL
1001-001428	U305	IC-ANALOG MULTIPLEX
1001-001428	U404	IC-ANALOG MULTIPLEX
1001-001447	U504	IC-ANALOG MULTIPLEX
1009-001035	U303	IC-HALL EFFECT S/W
1009-001035	U304	IC-HALL EFFECT S/W
1108-000172	UME300	IC-MCP

SEC CODE	Design LOC	Discription
1201-002461	U201	IC-POWER AMP
1201-002671	U102	IC-POWER AMP
1201-002692	U500	IC-AUDIO AMP
1203-004776	U602	IC-POSI.FIXED REG
1203-004778	U400	IC-POWER SUPERVISOR
1203-004838	U402	IC-BATTERY
1205-003281	UCP300	IC-MODEM
1205-003341	U202	IC-TRANSCEIVER
1209-001712	U300	IC-SENSOR
1405-001082	V605	VARISTOR
1405-001133	V501	VARISTOR
1405-001133	V502	VARISTOR
1405-001167	V503	VARISTOR
1405-001167	V504	VARISTOR
1405-001167	V505	VARISTOR
1405-001167	V506	VARISTOR
1405-001167	V507	VARISTOR
1405-001167	V508	VARISTOR
2007-000138	R318	R-CHIP
2007-000138	R412	R-CHIP
2007-000138	R526	R-CHIP
2007-000138	R602	R-CHIP
2007-000140	R505	R-CHIP
2007-000140	R508	R-CHIP
2007-000140	R509	R-CHIP
2007-000140	R510	R-CHIP
2007-000144	R409	R-CHIP
2007-000148	R304	R-CHIP
2007-000148	R307	R-CHIP
2007-000148	R314	R-CHIP
2007-000148	R315	R-CHIP
2007-000148	R316	R-CHIP
2007-000148	R317	R-CHIP
2007-000148	R320	R-CHIP
2007-000148	R511	R-CHIP
2007-000148	R530	R-CHIP
2007-000148	R531	R-CHIP

SEC CODE	Design LOC	Discription
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2007-000151	R529	R-CHIP
2007-000157	R410	R-CHIP
2007-000157	R518	R-CHIP
2007-000157	R519	R-CHIP
2007-000157	R520	R-CHIP
2007-000157	R521	R-CHIP
2007-000157	R522	R-CHIP
2007-000162	R413	R-CHIP
2007-000162	R415	R-CHIP
2007-000162	R501	R-CHIP
2007-000162	R516	R-CHIP
2007-000165	R411	R-CHIP
2007-000165	R414	R-CHIP
2007-000165	R419	R-CHIP
2007-000165	R517	R-CHIP
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2007-000171	C601	R-CHIP
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2007-000171	R105	R-CHIP
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2007-001298	R211	R-CHIP
2007-001298	R301	R-CHIP
2007-001298	R406	R-CHIP

SEC CODE	Design LOC	Discription
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2007-001307	R114	R-CHIP
2007-001319	R302	R-CHIP
2007-001319	R303	R-CHIP
2007-001319	R507	R-CHIP
2007-003010	R525	R-CHIP
2007-003010	R528	R-CHIP
2007-003030	R514	R-CHIP
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2007-007014	R308	R-CHIP
2007-007014	R309	R-CHIP
2007-007014	R310	R-CHIP
2007-007014	R312	R-CHIP
2007-007014	R313	R-CHIP
2007-007014	R405	R-CHIP
2007-007014	R407	R-CHIP
2007-007014	R408	R-CHIP
2007-007133	R110	R-CHIP
2007-007133	R111	R-CHIP
2007-007193	R201	R-CHIP
2007-007306	R106	R-CHIP
2007-007306	R209	R-CHIP
2007-007306	R210	R-CHIP
2007-007306	R502	R-CHIP
2007-007306	R503	R-CHIP
2007-007316	R416	R-CHIP
2007-007317	R417	R-CHIP
2007-007317	R500	R-CHIP
2007-007317	R506	R-CHIP
2007-007318	R202	R-CHIP
2007-007318	R418	R-CHIP
2007-007468	R404	R-CHIP
2007-007586	R311	R-CHIP
2007-007766	R523	R-CHIP
2007-007766	R527	R-CHIP
2203-000138	C238	C-CER,CHIP

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2203-000233	C203	C-CER,CHIP
2203-000233	C205	C-CER,CHIP
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2203-000233	C215	C-CER,CHIP
2203-000233	C229	C-CER,CHIP
2203-000233	C232	C-CER,CHIP
2203-000233	C239	C-CER,CHIP
2203-000233	C241	C-CER,CHIP
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2203-000233	C430	C-CER,CHIP
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2203-000233	L115	C-CER,CHIP
2203-000254	C124	C-CER,CHIP
2203-000254	C127	C-CER,CHIP
2203-000254	C217	C-CER,CHIP
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2203-000330	C428	C-CER,CHIP
2203-000359	C244	C-CER,CHIP
2203-000386	L208	C-CER,CHIP
2203-000425	C502	C-CER,CHIP
2203-000425	C510	C-CER,CHIP
2203-000438	C125	C-CER,CHIP
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2203-000438	C242	C-CER,CHIP

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2203-000812	C251	C-CER,CHIP
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2203-000812	C542	C-CER,CHIP

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2203-002677	C122	C-CER,CHIP
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2203-002709	C437	C-CER,CHIP
2203-002709	C503	C-CER,CHIP
2203-002709	C508	C-CER,CHIP
2203-002709	C529	C-CER,CHIP
2203-002709	C535	C-CER,CHIP
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2203-003054	C531	C-CER,CHIP
2203-003054	C533	C-CER,CHIP
2203-003054	C539	C-CER,CHIP
2203-005050	C103	C-CER,CHIP
2203-005053	R100	C-CER,CHIP
2203-005288	C252	C-CER,CHIP
2203-005288	R102	C-CER,CHIP
2203-005382	C245	C-CER,CHIP
2203-005444	C221	C-CER,CHIP
2203-005444	C225	C-CER,CHIP
2203-005450	C119	C-CER,CHIP
2203-005480	C519	C-CER,CHIP

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2203-005482	C338	C-CER,CHIP
2203-005482	C405	C-CER,CHIP
2203-005482	C407	C-CER,CHIP
2203-005482	C408	C-CER,CHIP
2203-005482	C409	C-CER,CHIP
2203-005482	C411	C-CER,CHIP
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2203-005571	C435	C-CER,CHIP
2203-006048	C303	C-CER,CHIP
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2203-006257	C603	C-CER,CHIP
2203-006260	C521	C-CER,CHIP
2203-006260	C522	C-CER,CHIP
2203-006324	C403	C-CER,CHIP
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2203-006399	C440	C-CER,CHIP
2203-006474	C444	C-CER,CHIP
2203-006562	C105	C-CER,CHIP
2203-006562	C310	C-CER,CHIP
2203-006562	C311	C-CER,CHIP
2203-006562	C317	C-CER,CHIP
2203-006562	C321	C-CER,CHIP
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2203-006562	C412	C-CER,CHIP
2203-006562	C441	C-CER,CHIP

SEC CODE	Design LOC	Discription
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2203-006562	C523	C-CER,CHIP
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2203-006562	C534	C-CER,CHIP
2203-006562	C545	C-CER,CHIP
2203-006562	C600	C-CER,CHIP
2203-006562	C604	C-CER,CHIP
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2203-006681	C206	C-CER,CHIP
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2203-006681	C213	C-CER,CHIP
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2203-006681	C404	C-CER,CHIP
2203-006824	C227	C-CER,CHIP
2203-006824	C228	C-CER,CHIP
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2203-006824	C420	C-CER,CHIP
2203-006824	C421	C-CER,CHIP
2203-006824	C432	C-CER,CHIP

SEC CODE	Design LOC	Discription
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2203-006838	C511	C-CER,CHIP
2203-006838	C514	C-CER,CHIP
2203-006841	C540	C-CER,CHIP
2203-006872	C318	C-CER,CHIP
2203-006872	C333	C-CER,CHIP
2203-006872	C417	C-CER,CHIP
2203-006872	C418	C-CER,CHIP
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2203-006872	C424	C-CER,CHIP
2203-006872	C426	C-CER,CHIP
2203-006872	C427	C-CER,CHIP
2203-006890	C300	C-CER,CHIP
2203-007195	C410	C-CER,CHIP
2404-001406	C606	C-TA,CHIP
2404-001474	TA500	C-TA,CHIP
2404-001496	TA100	C-TA,CHIP
2703-001180	L105	INDUCTOR-SMD
2703-001733	L203	INDUCTOR-SMD
2703-001733	L207	INDUCTOR-SMD
2703-001737	L206	INDUCTOR-SMD
2703-001750	L201	INDUCTOR-SMD
2703-002155	L103	INDUCTOR-SMD
2703-002207	L113	INDUCTOR-SMD
2703-002208	L102	INDUCTOR-SMD
2703-002208	L209	INDUCTOR-SMD
2703-002267	L109	INDUCTOR-SMD
2703-002267	L110	INDUCTOR-SMD
2703-002268	L204	INDUCTOR-SMD
2703-002281	L107	INDUCTOR-SMD
2703-002281	L108	INDUCTOR-SMD
2703-002309	L506	INDUCTOR-SMD
2703-002309	L507	INDUCTOR-SMD
2703-002309	L508	INDUCTOR-SMD

SEC CODE	Design LOC	Discription
2703-002367	L205	INDUCTOR-SMD
2703-002368	C250	INDUCTOR-SMD
2703-002369	L114	INDUCTOR-SMD
2703-002551	U603	INDUCTOR-SMD
2703-002551	U604	INDUCTOR-SMD
2703-002593	L104	INDUCTOR-SMD
2703-002593	L106	INDUCTOR-SMD
2703-002597	L200	INDUCTOR-SMD
2703-002608	L202	INDUCTOR-SMD
2703-002708	L112	INDUCTOR-SMD
2703-003205	L503	INDUCTOR-SMD
2703-003205	L504	INDUCTOR-SMD
2703-003205	L505	INDUCTOR-SMD
2703-003258	L400	INDUCTOR-SMD
2703-003258	L401	INDUCTOR-SMD
2703-003258	L402	INDUCTOR-SMD
2801-004339	OSC400	CRYSTAL-SMD
2809-001323	TCX100	OSCILLATOR-VCTCXO
2901-001409	F600	FILTER-EMI SMD
2901-001409	F603	FILTER-EMI SMD
2901-001409	F604	FILTER-EMI SMD
2901-001409	F605	FILTER-EMI SMD
2901-001422	F601	FILTER-EMI SMD
2901-001422	F602	FILTER-EMI SMD
2904-001703	F102	FILTER-SAW
2904-001769	F200	FILTER-SAW
2904-001789	F201	FILTER-SAW
2910-000024	F202	DUPLEXER-SAW
2911-000096	F101	DUPLEXER-FEM
3301-001342	L301	BEAD-SMD
3301-001342	L302	BEAD-SMD
3301-001421	L501	BEAD-SMD
3301-001421	L502	BEAD-SMD
3301-001792	L509	BEAD-SMD
3301-001792	L510	BEAD-SMD
3301-001792	L511	BEAD-SMD
3705-001358	RFS100	CONNECTOR-COAXIAL

SEC CODE	Design LOC	Discription
3709-001448	CD500	CONNECTOR-CARD EDGE
3709-001487	SIM500	CONNECTOR-CARD EDGE
3710-002523	IFC500	SOCKET-INTERFACE
3711-006278	HDC600	HEADER-BOARD TO BOARD
3711-006329	BTC600	HEADER-BATTERY
3711-006782	HDC601	HEADER-BOARD TO BOARD
4202-001453	BT_ANT100	ANTENNA-CHIP
4302-001180	BAT400	BATTERY-LI(2ND)
4709-001399	F203	COUPLER-DIRECTION
4709-001546	F100	BLUETOOTH MODULE
GH70-03349A	FPC600	IPR SHIELD-CAN CLIP
GH70-03349A	FPC601	IPR SHIELD-CAN CLIP
GH70-03349A	FPC602	IPR SHIELD-CAN CLIP
GH70-03349A	FPC603	IPR SHIELD-CAN CLIP
GH70-03349A	FPC604	IPR SHIELD-CAN CLIP
GH70-03349A	FPC605	IPR SHIELD-CAN CLIP
GH70-03349A	FPC606	IPR SHIELD-CAN CLIP
GH70-03349A	FPC607	IPR SHIELD-CAN CLIP
GH70-03349A	FPC608	IPR SHIELD-CAN CLIP
GH70-03349A	FPC609	IPR SHIELD-CAN CLIP
GH70-03349A	FPC610	IPR SHIELD-CAN CLIP
GH70-03519A	CONTACT600	IPR COVER-BATTERY CONTACT

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