

SAMSUNG

GSM TELEPHONE

SGH-L770V

***SERVICE* Manual**

GSM TELEPHONE



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**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	europa.samsungportal.com
China	china.samsungportal.com
Asia	asia.samsungportal.com
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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	TX Power control level	DCS1800	TX Power control level	PCS1800
5	33±2 dBm	0	30±3 dBm	0	30±3 dBm
6	31±2 dBm	1	28±3 dBm	1	28±3 dBm
7	29±2 dBm	2	26±3 dBm	2	26±3 dBm
8	27±2 dBm	3	24±3 dBm	3	24±3 dBm
9	25±2 dBm	4	22±3 dBm	4	22±3 dBm
10	23±2 dBm	5	20±3 dBm	5	20±3 dBm
11	21±2 dBm	6	18±3 dBm	6	18±3 dBm
12	19±2 dBm	7	16±3 dBm	7	16±3 dBm
13	17±2 dBm	8	14±3 dBm	8	14±3 dBm
14	15±2 dBm	9	12±4 dBm	9	12±4 dBm
15	13±2 dBm	10	10±4 dBm	10	10±4 dBm
16	11±3 dBm	11	8±4dBm	11	8±4dBm
17	9±3dBm	12	6±4 dBm	12	6±4 dBm
18	7±3 dBm	13	4±4 dBm	13	4±4 dBm
19	5±3 dBm	14	2±5 dBm	14	2±5 dBm
		15	0±5 dBm	15	0±5 dBm

5-1. Cellular phone Exploded View

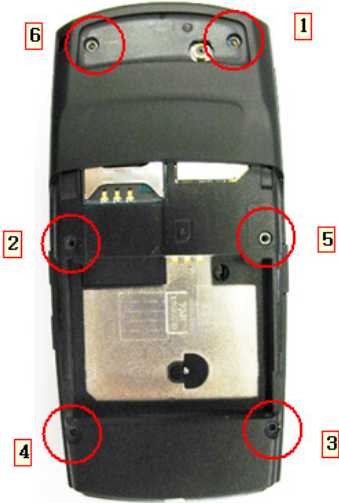
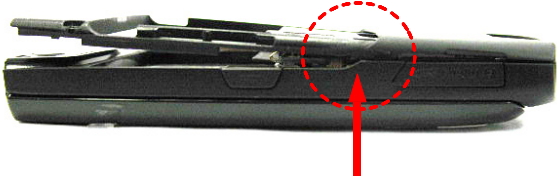
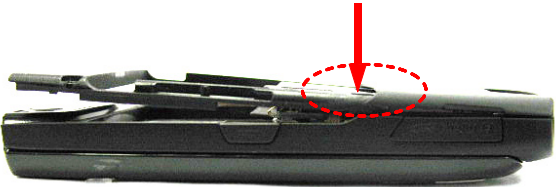
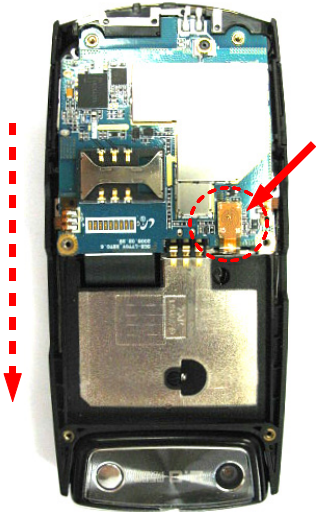


5-2. Cellular phone Parts list

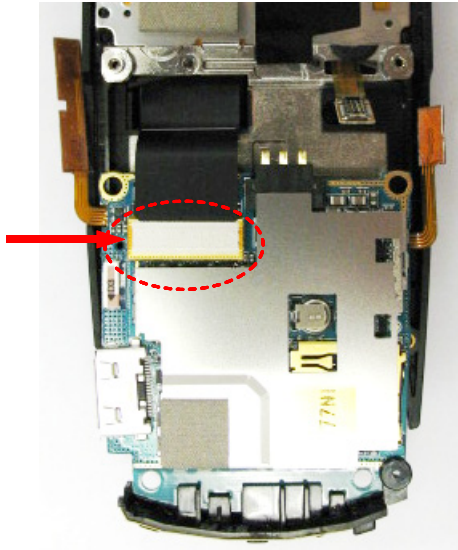
Design LOC			Discription	SEC CODE
QAN02			INTENNA-SGHL770V	GH42-01523A
QBA00			PMO COVER-BATTERY	GH72-45838B
QBA01			INNER BATTERY PACK-880MAH , BL	GH43-02666A
QCA01			CAMERA MODULE-SGHL770V(2M+CIF)	GH59-05570A
QCA02			KEY FPCB-CAMERA 1KEY	GH59-05518A
QCK01			PMO KEY-CAMERA	GH72-45847B
QCR05			SCREW-MACHINE	6001-001478
QCR72			SCREW-MACHINE	6001-002051
QFL01			ASSY CASE-SLIDE LOWER	GH98-07227B
QHI01			ASSY HINGE-MODULE	GH98-07230A
QHI04			PMO COVER-HINGE CAP	GH72-45849A
QKP02			ASSY CASE-SUB KEYPAD(OPEN)	GH98-07231A
QLC01			LCD-MAIN LCD MODULE	GH07-01263A
QMP01			PBA MAIN-SGHL770V	GH92-04447A
QPC01			FPC-CON TO CON(L770V)	GH41-02085A
QRE01			ASSY CASE-REAR	GH98-07526B
QRF01			ASSY COVER-RF	GH98-07840B
QSH03			ASSY COVER-SHIELD CAN REAR B	GH98-08816A
QSH04			ASSY COVER-SHIELD FRONT	GH98-08143A
QSH05			IPR SHIELD-COVER REAR_A	GH70-03211A
QSP01			UNIT-MODULE SPK/MOT(L770V)	GH59-05521A
QVK01			KEY FPCB-VOLUME 2KEY	GH59-05519A
QVO01			PMO KEY-VOLUME	GH72-45846B
QFR01			ASSY CASE-FRONT	GH98-07523B
	QIF01		PMO COVER-IF	GH72-45844B
	QSD01		PMO COVER-MICRO SD	GH72-45845B
QFU01			ASSY CASE-SLIDE UPPER(VODA/BLK	GH98-07520B
	QMW01		ASSY COVER-WINDOW MAIN(VODA/BR	GH98-07521A

7. Disassembly and Assembly Instructions

7-1. Disassembly

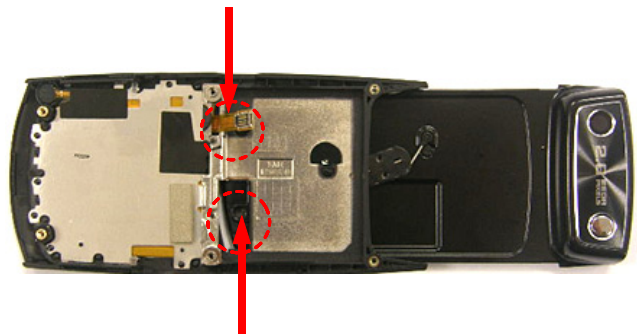
1 	2 -Must use the disassembly apparatus -Notice the fragile rear not be broken 
1) Unscrew 6 points on the rear case. ※ Caution 1) Notice the rear case should not be damaged or scratched.	1) Separate the locker by inserting the disassembly apparatus into the gap between the front and the rear. ※ Caution 1) Notice the rear case not be damaged or scratched. 2) Notice the rear case not be deformed.
3 	4 
1) Separate the locker on the opposite side by inserting the disassembly apparatus into the gap between the front and the rear. 2) Remove the REAR. ※ Caution 1) Notice the rear case not be damaged or scratched. 2) Notice the rear case not be deformed.	1) Detach the KEY FPCB CONNECTOR. 2) Remove the PBA following the indication. ※ Caution 1) Notice the both INTENNA and INTENNA WIRE not be damaged 2) Notice the SLIDE FPCB not be damaged.

5



- 1) Detach the SLIDE FPCB CONNECTOR.
※ Caution
- 1) Notice the both PBA and FPCB not be damaged

6



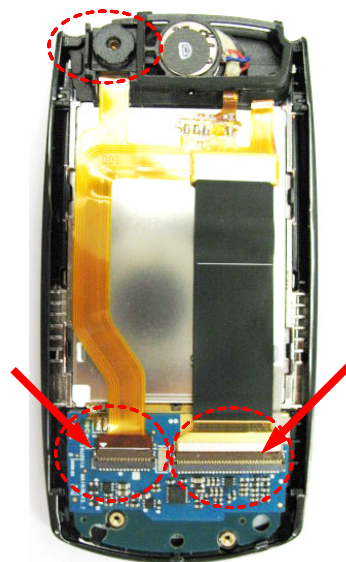
- 1) Unscrew 2 point on the lower case
※ Caution
- 1) Notice the FPCB not be damaged.

7



- 1) Separate the UPPER from lower part of FRONT case.
※ Caution
- 1) Notice the rear case should not be damaged or scratched.

8



- 1) Detach the SLIDE FPCB and SPK/CAM FPCB Connector. Then Separate them from PBA.
※ Caution
- 1) Notice the FPCB not be damaged.

9

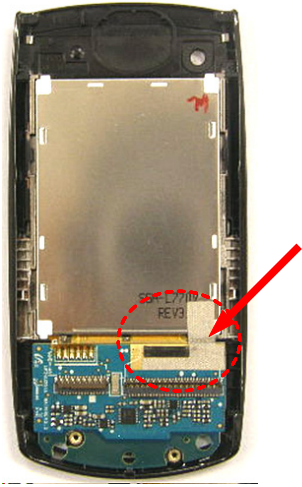
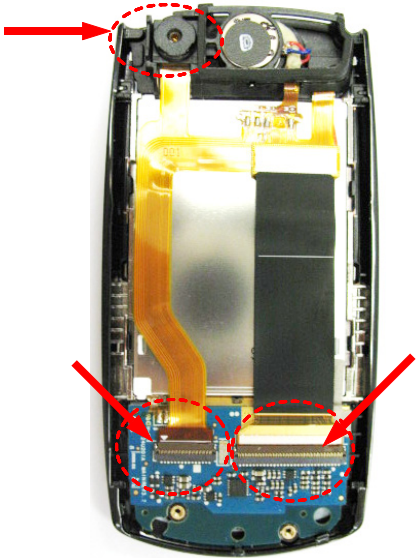


1) Separate UPPER into LCD Module, UPPER, SUB KEY PAD.

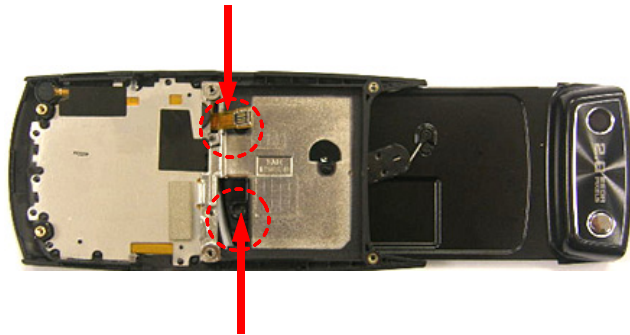
※ **Caution**

1) Notice the UPPER & LCD Module not be damaged

7-2. Assembly

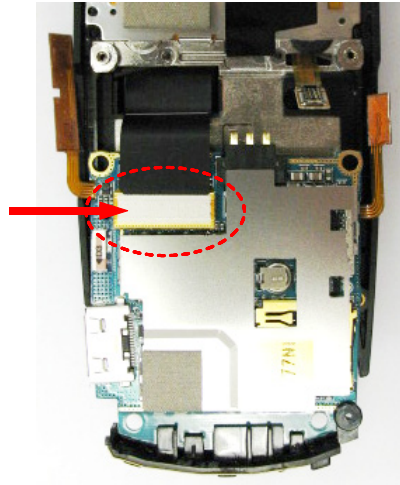
1 	2 
1) Join the SUB KEYPAD on the UPPER. ※ Caution 1) Make sure in the guideline.	1) Join the LCD module on the UPPER. 2) Attach the conductive tape. ※ Caution 1) Make sure no between the WINDOW and LCD module.
3 	4 
1) Connect the SLIDE FPCB and SPK/CAM FPCB with PBA. ※ Caution 1) Notice the FPCB not be damaged. 2) Make sure CAMERA MODULE is exactly in place.	1) Make the Slide FPCB pass through the lower case. Then assemble the UPPER. ※ Caution 1) Notice the FPCB not be damaged.

5



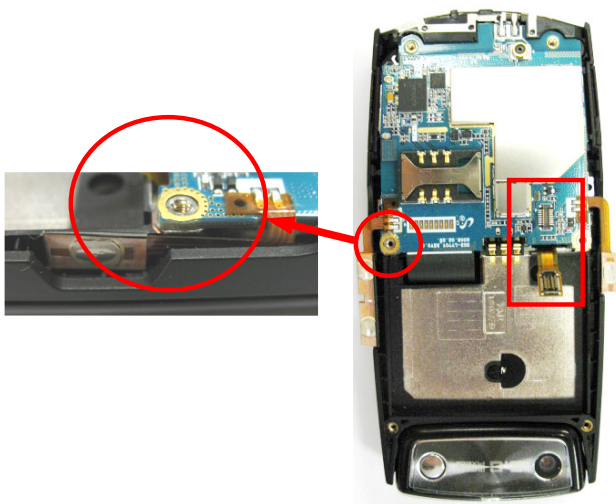
- 1) Screw 2 points on the lower case
※ Caution
- 1) Notice the FPCB not be damaged.

6



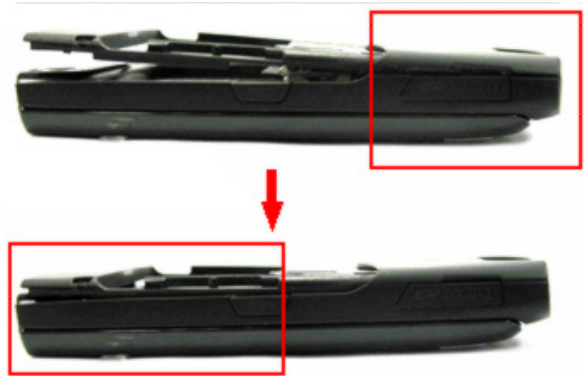
- 1) Attach the SLIDE FPCB to PBA.
※ Caution
- 1) Make sure the SLIDE FPCB CONNECTION.

7



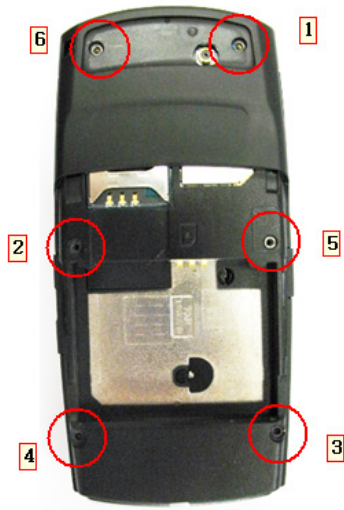
- 1) Join the PBA on the LOWER case.
- 2) Attach the KEY FPCB CONNECTOR.
※ Caution
- 1) Make sure the KEY FPCB CONNECTION.
- 2) Keep the guide line

8



- 1) Assemble the rear case with SET from the lower part of it.
※ Caution
- 1) Notice the rear case should not be damaged or scratched.
- 2) Make sure no gap between the front and rear case.

9



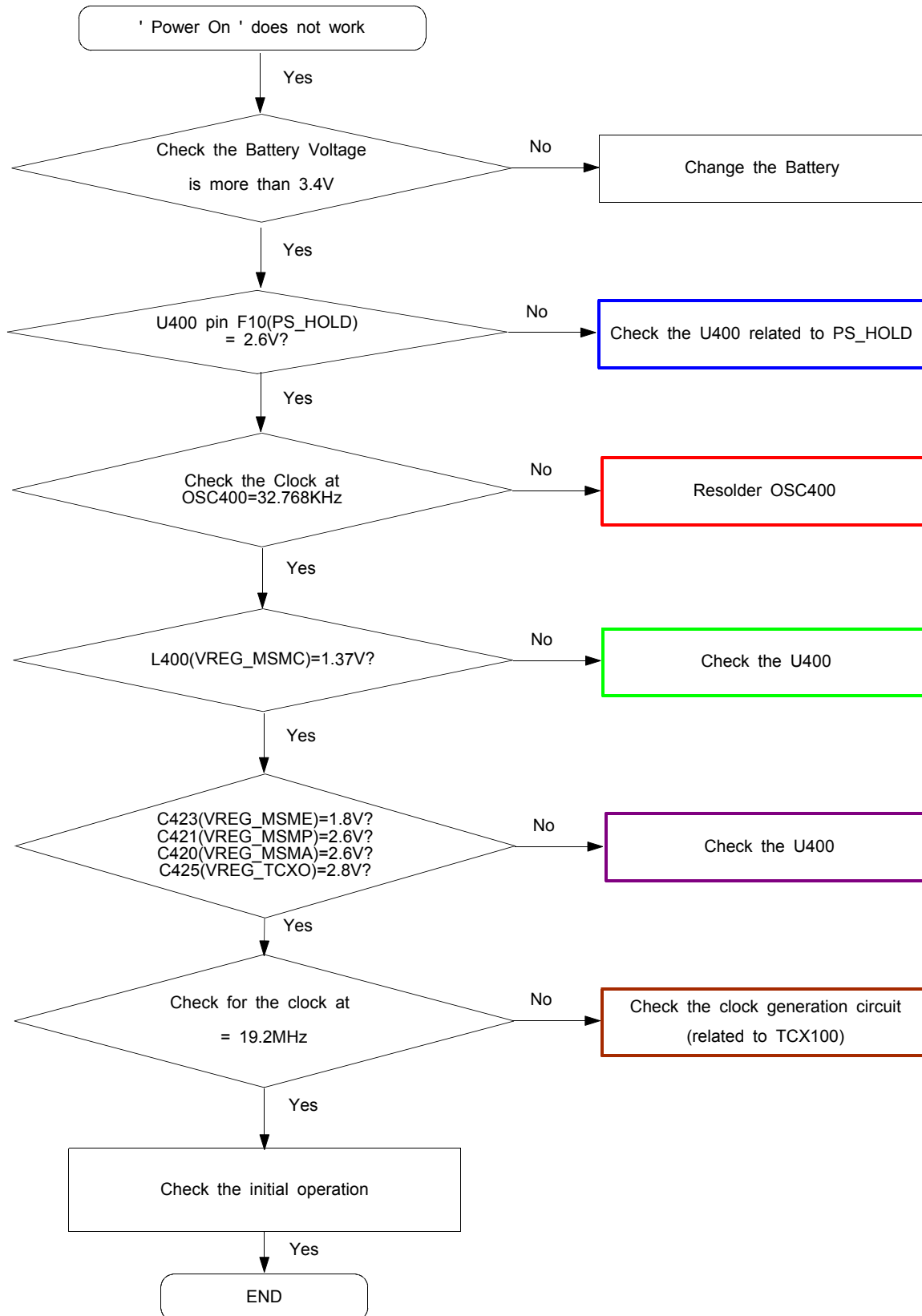
1) Screw 6 points on the rear case.

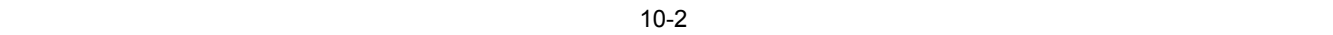
※ **Caution**

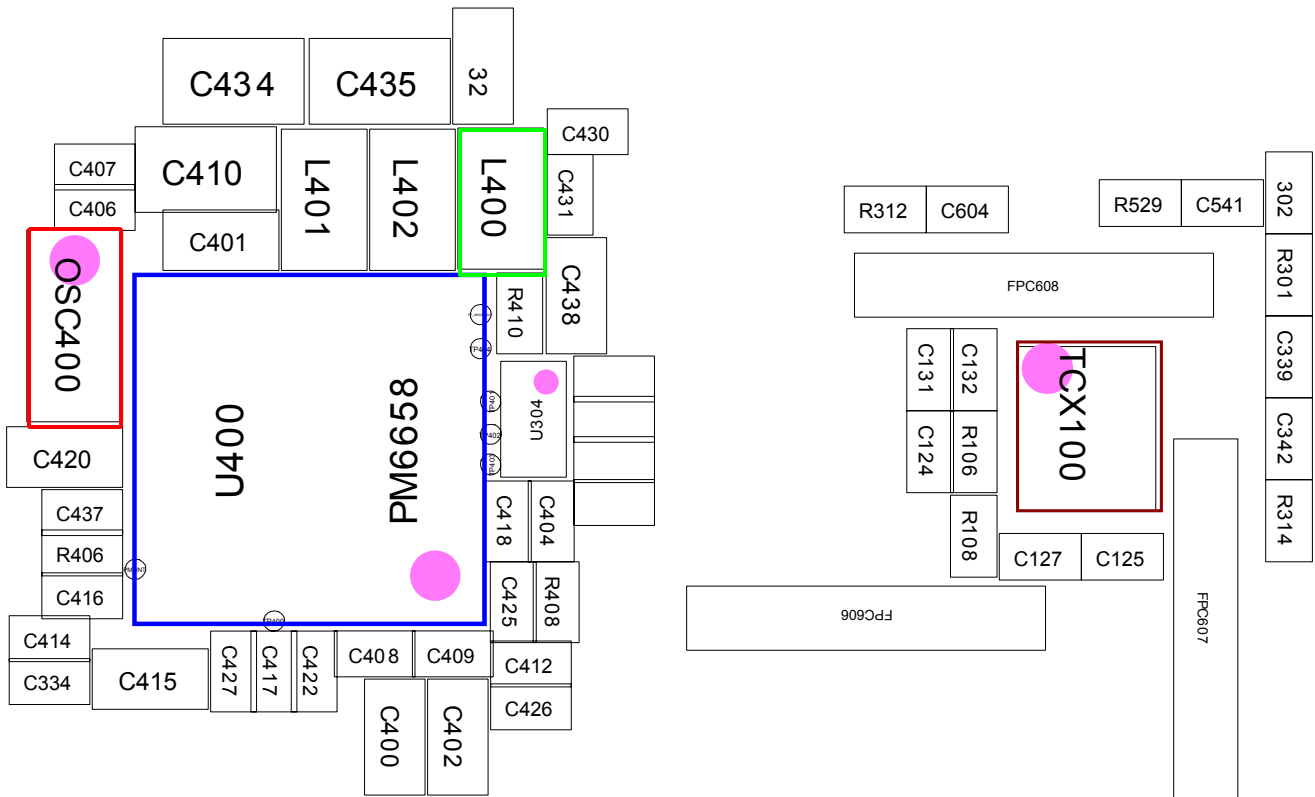
1) Notice the rear case should not be damaged or scratched.

10. Flow Chart of Troubleshooting

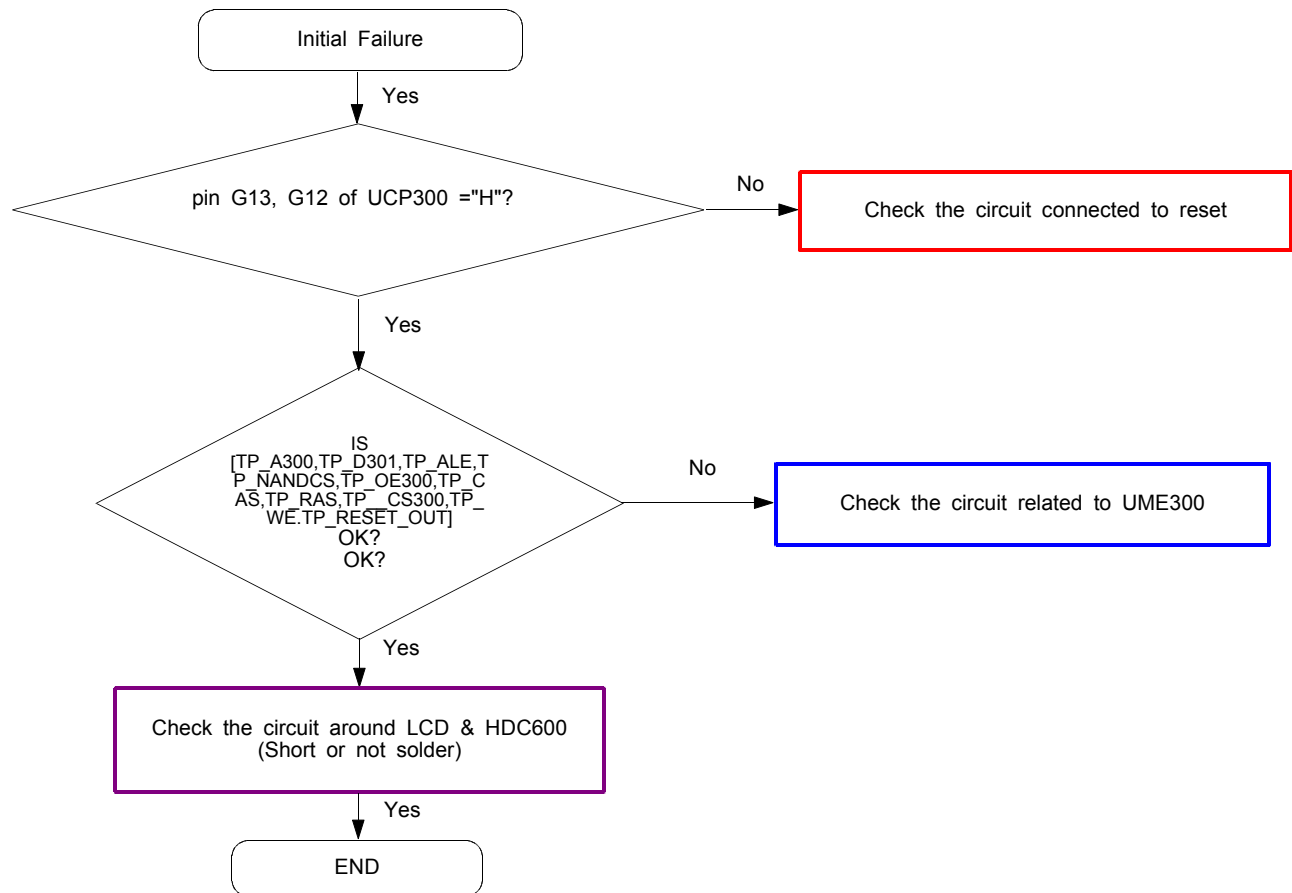
10-1. Power On

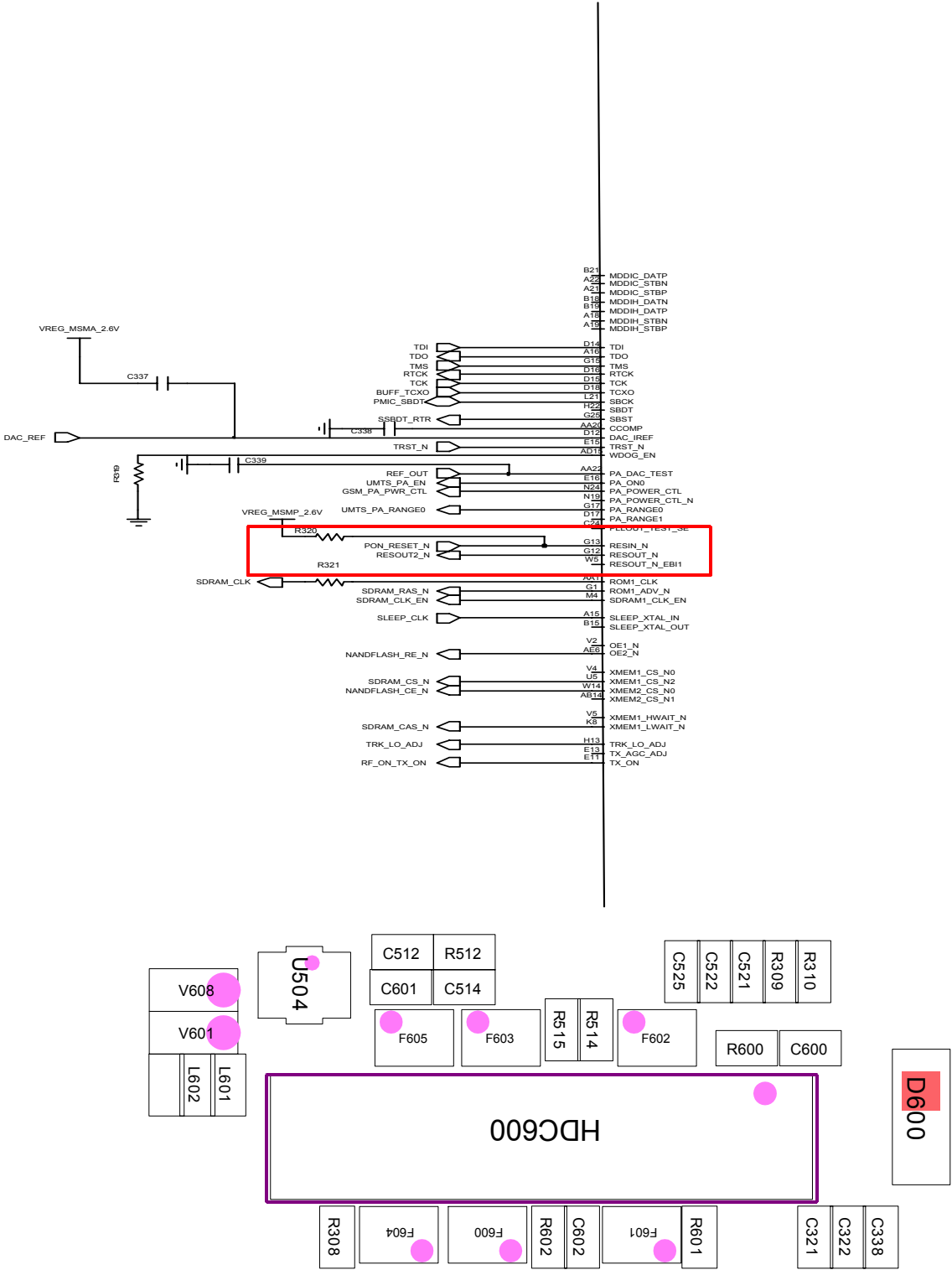






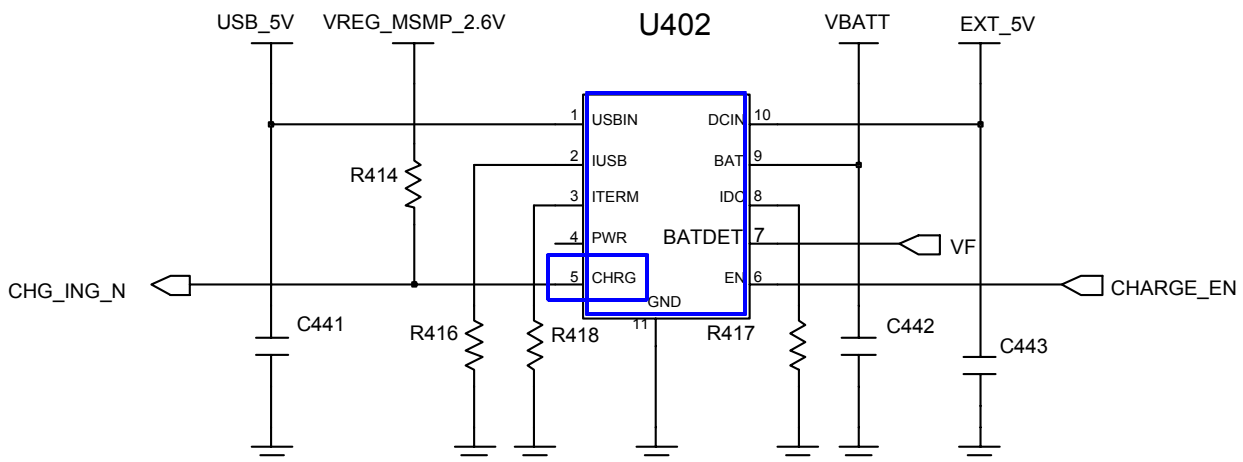
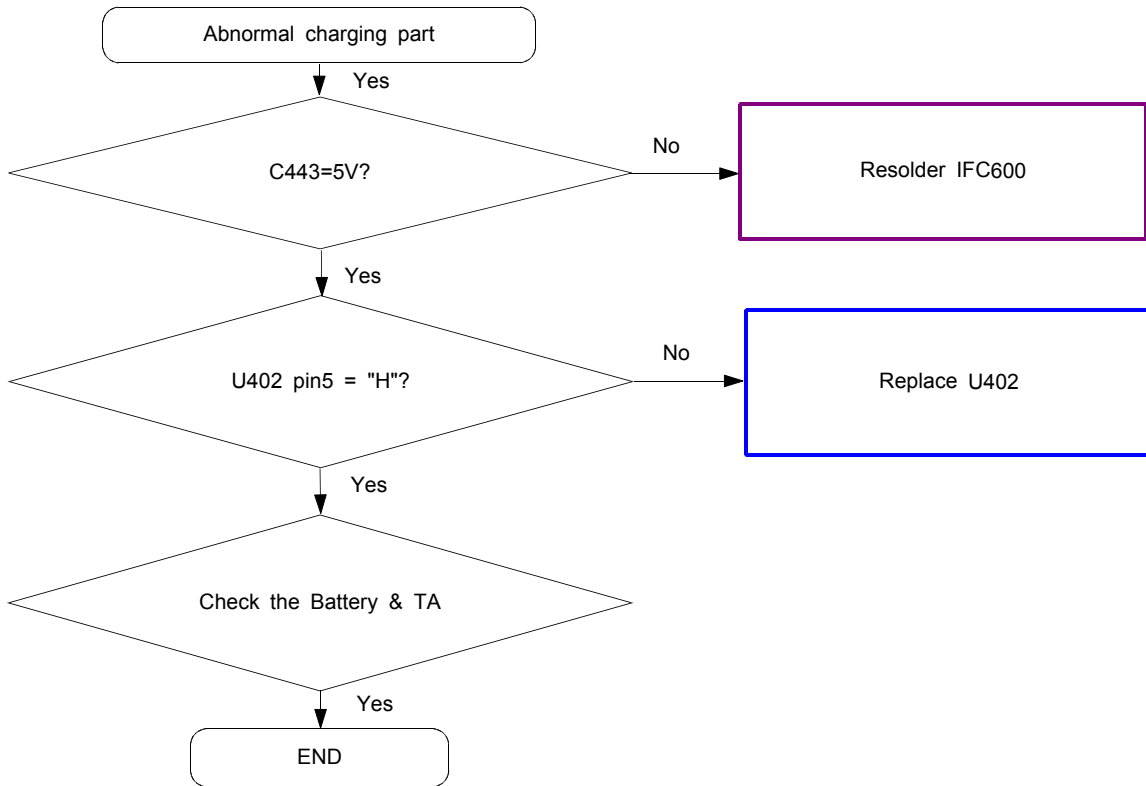
10-2. Initial

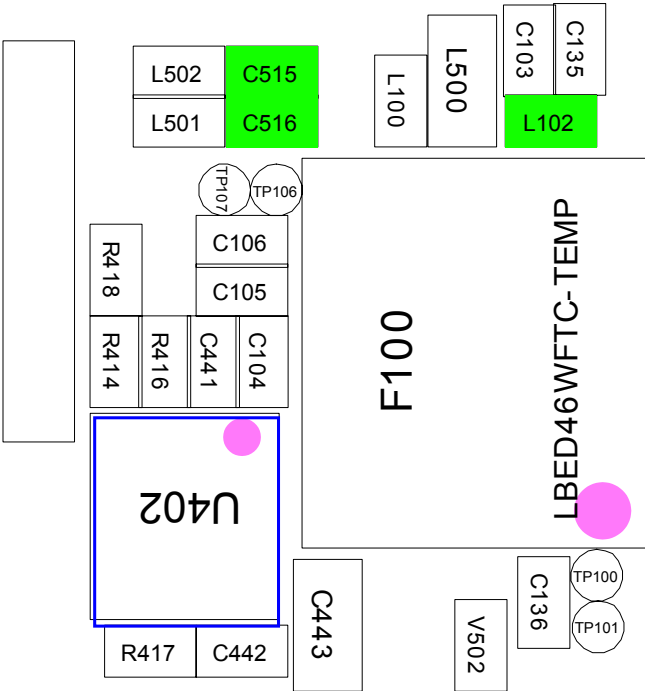




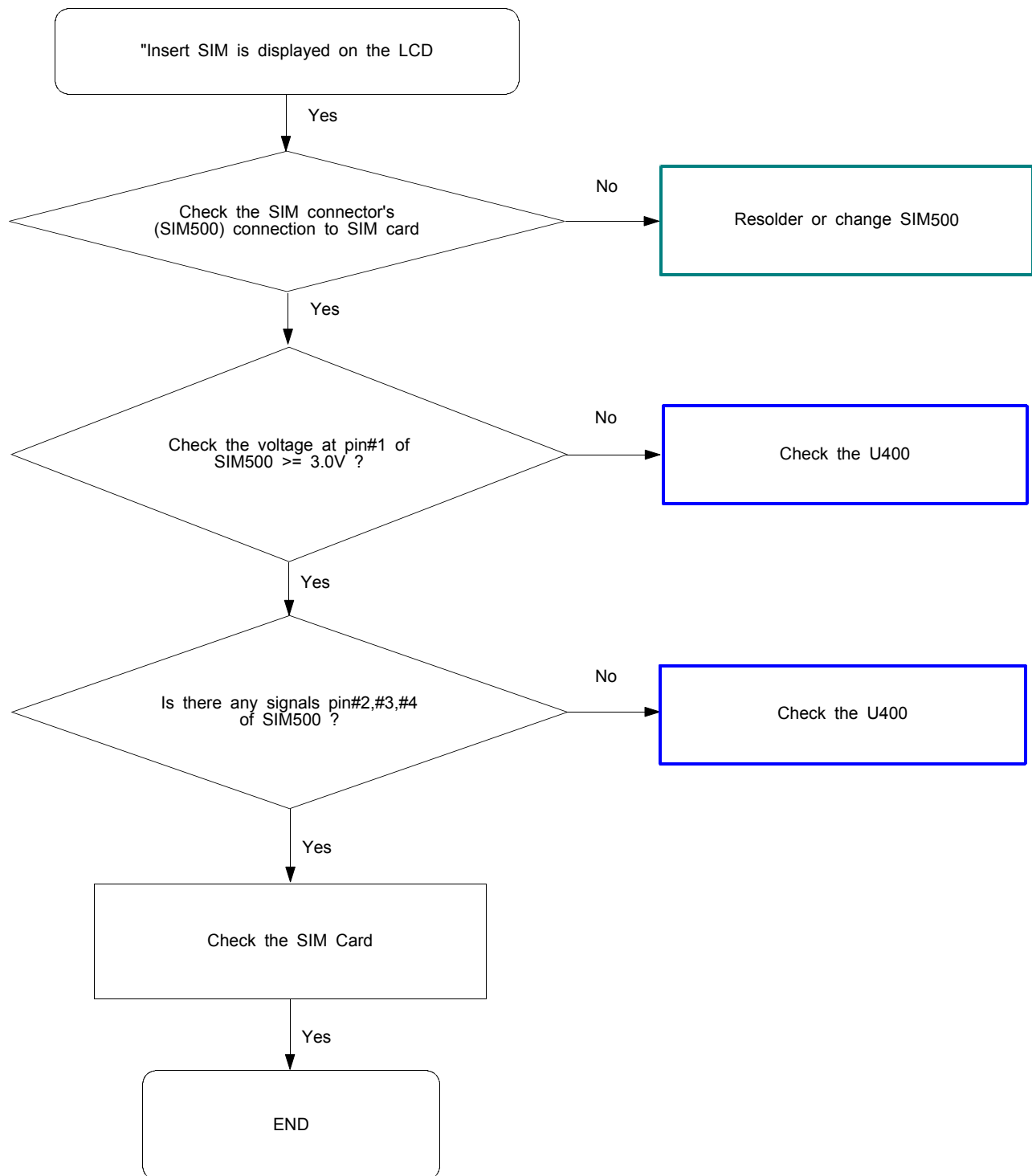


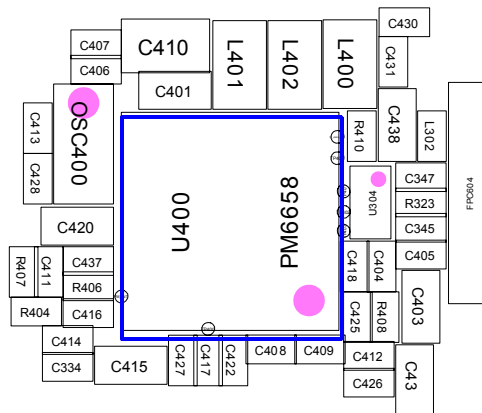
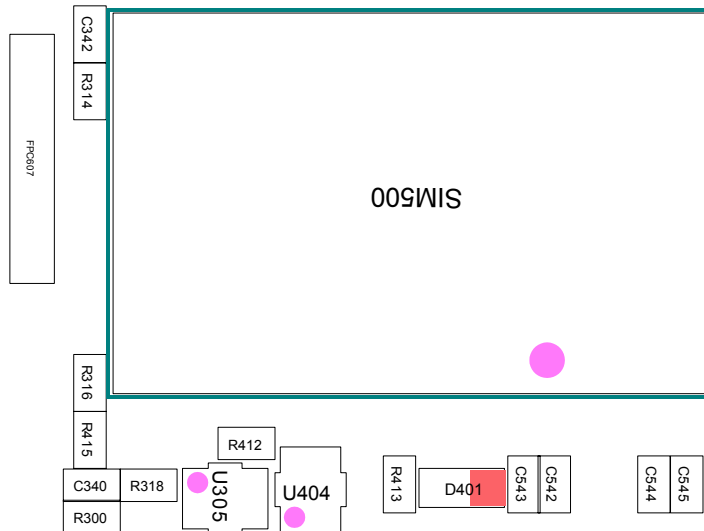
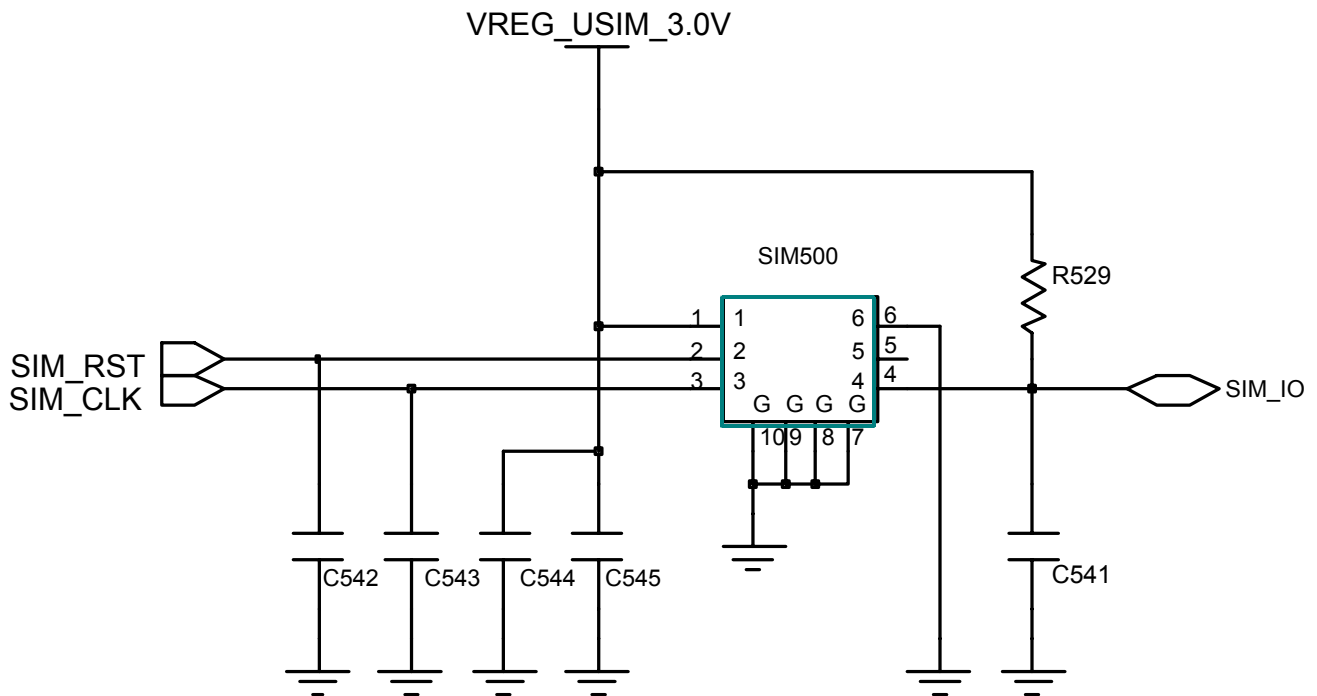
10-3. Charging Part



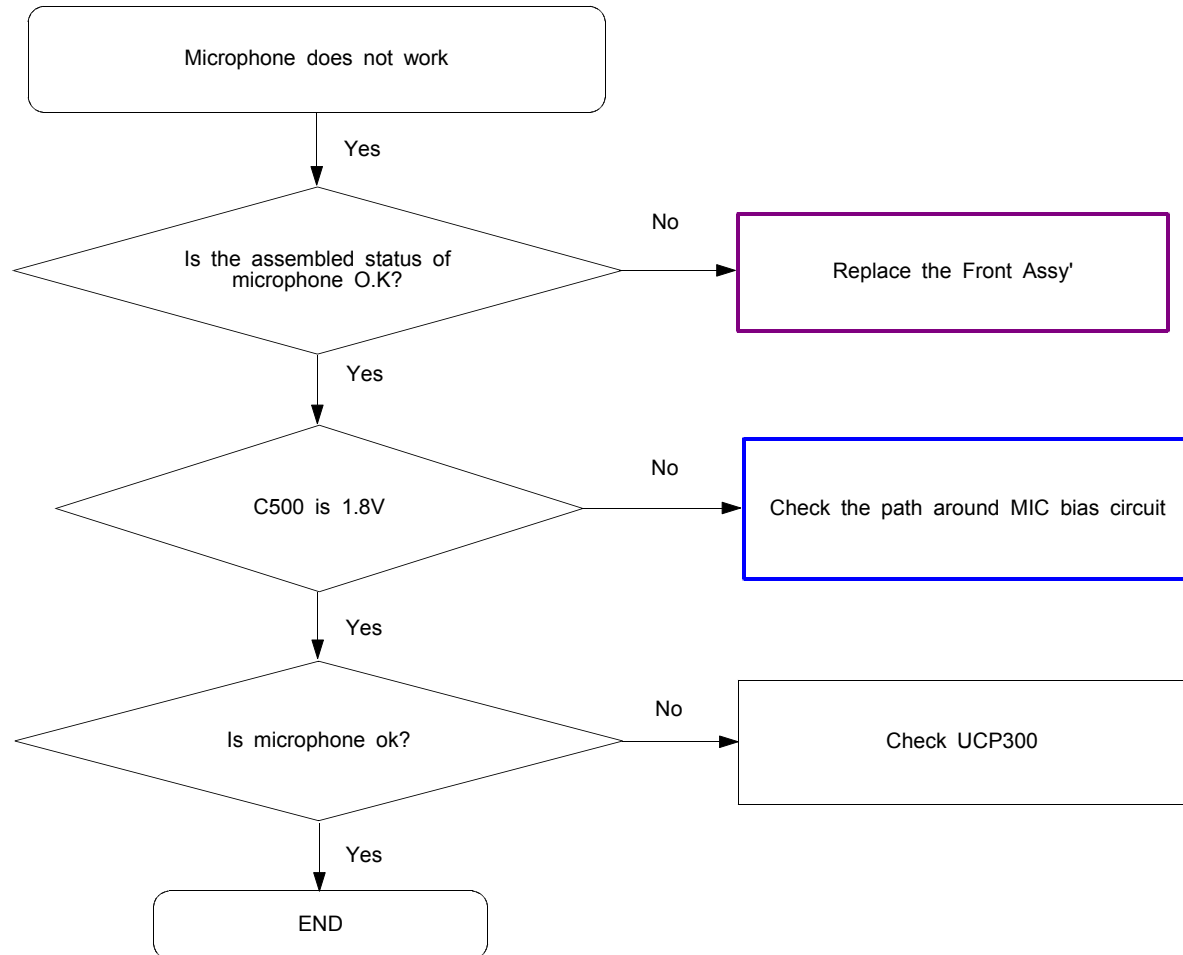


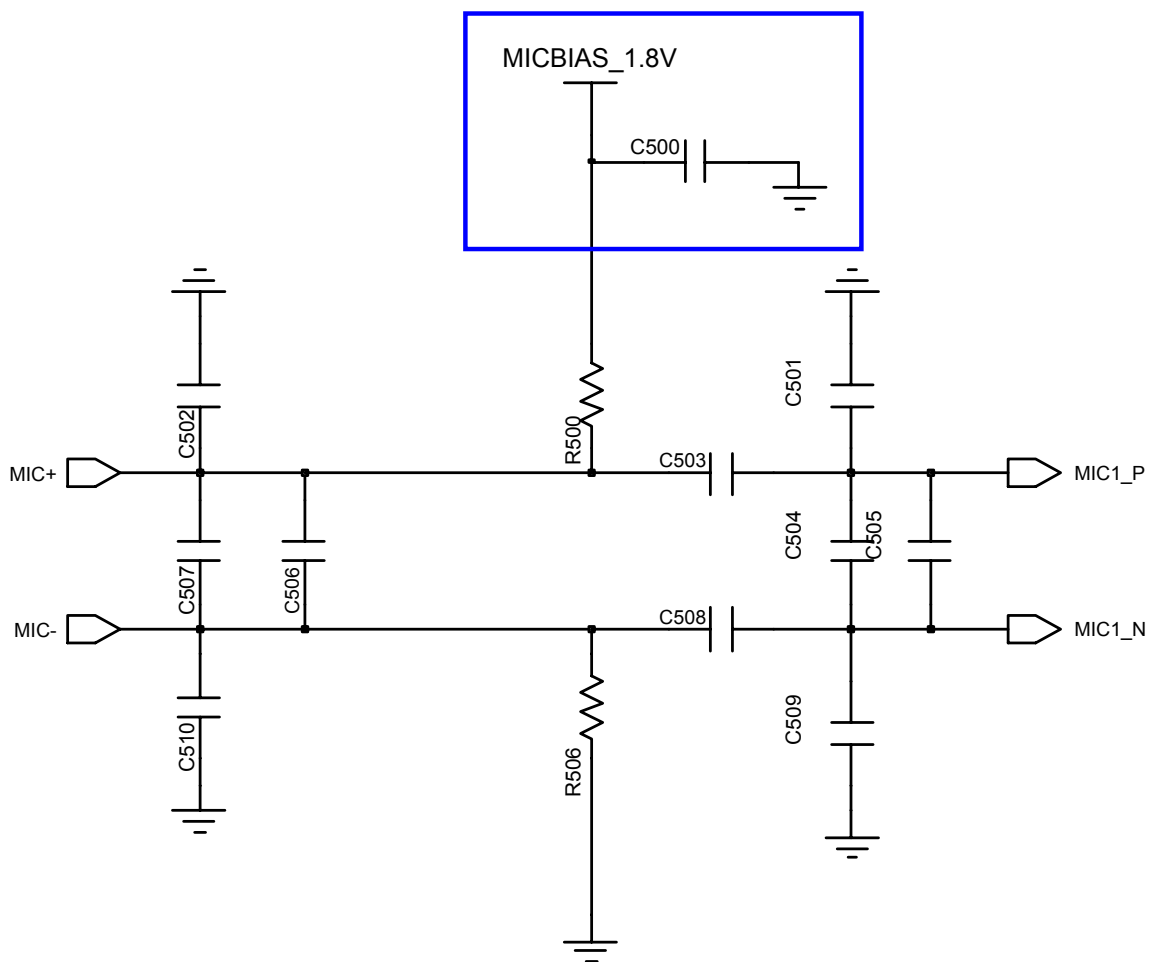
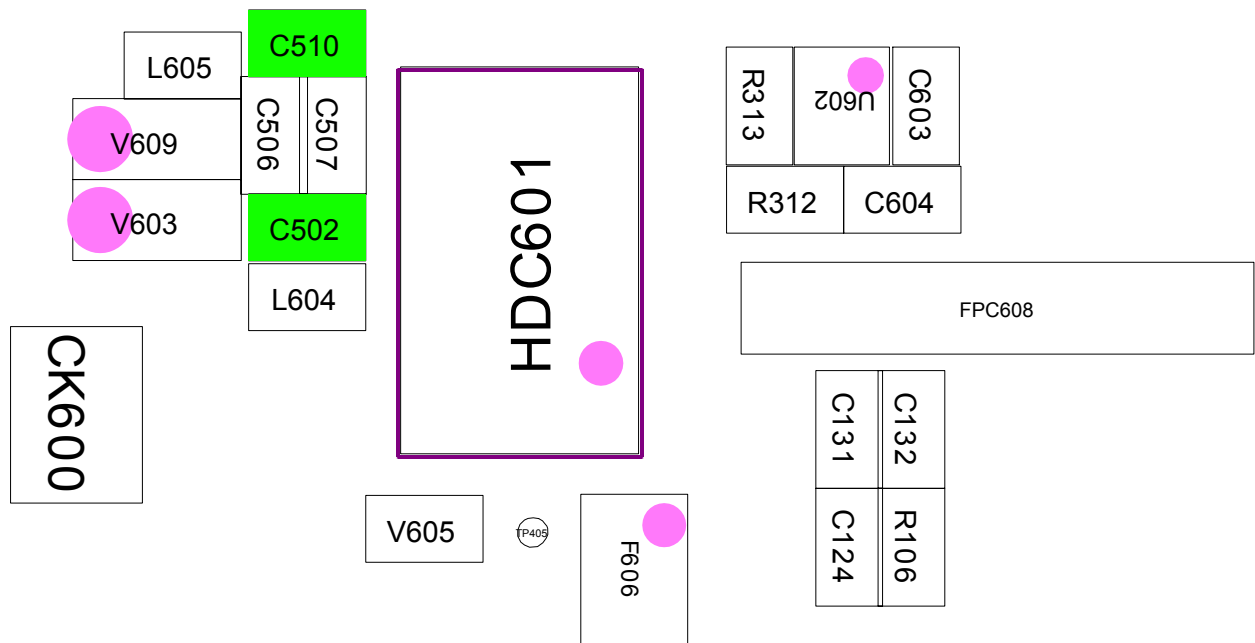
10-4. Sim Part



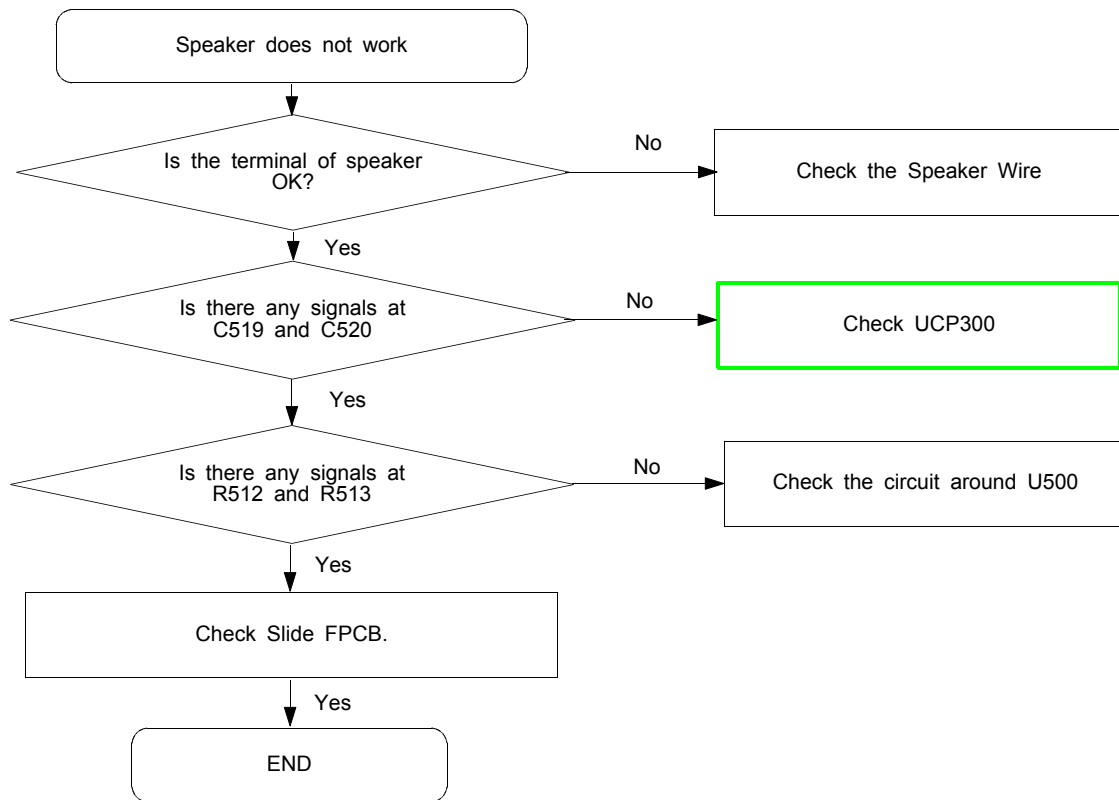


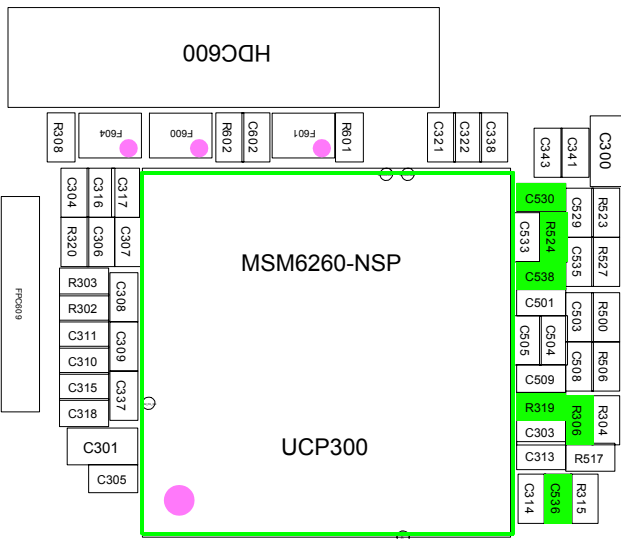
10-5. Microphone Part



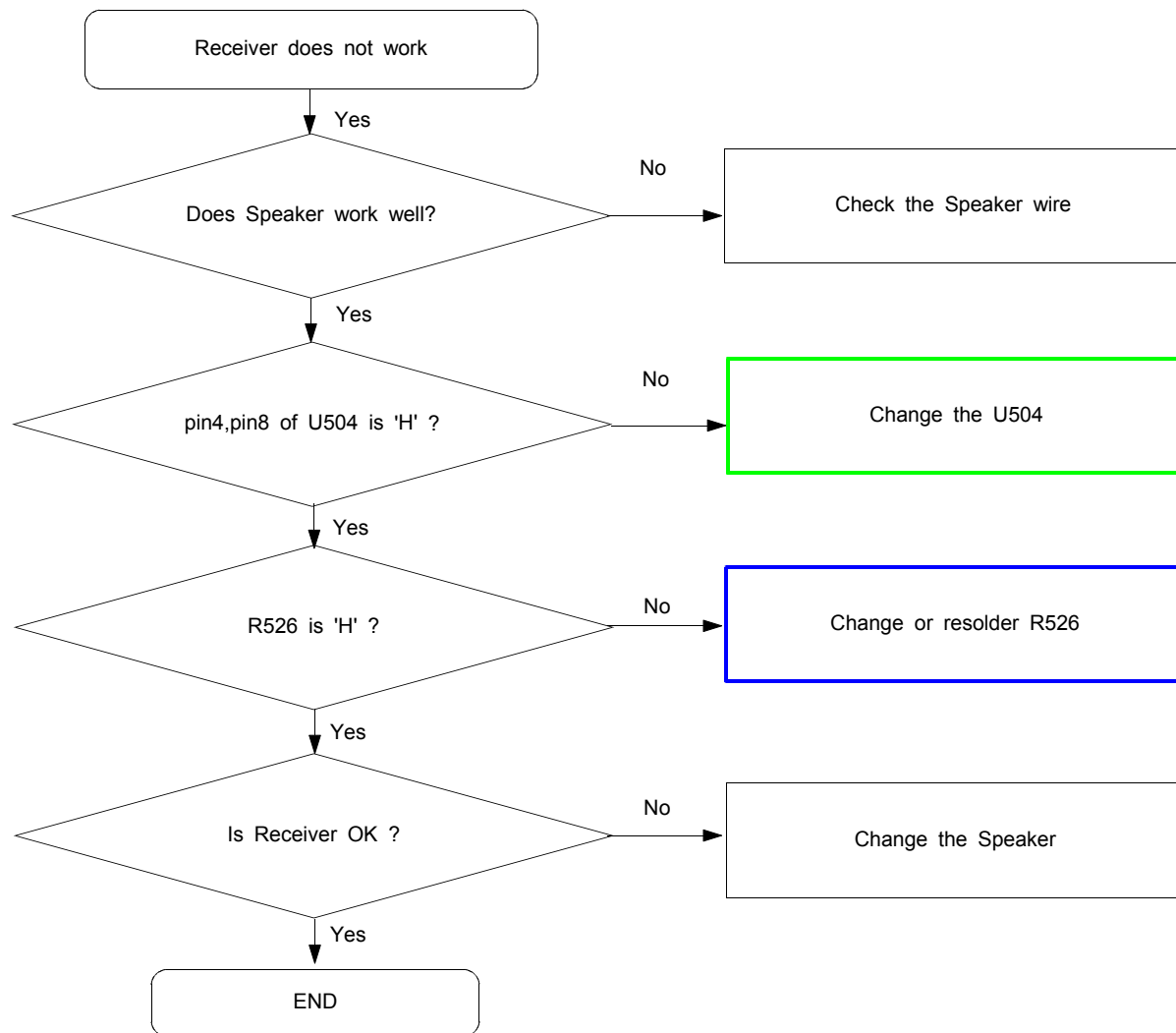


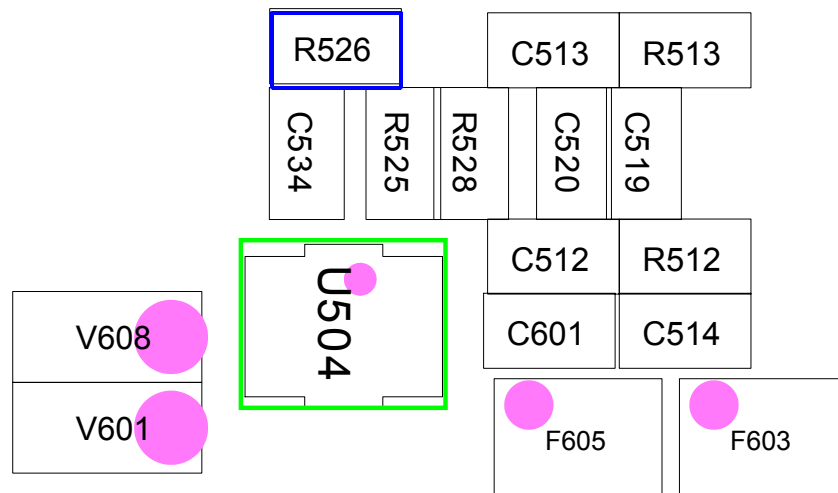
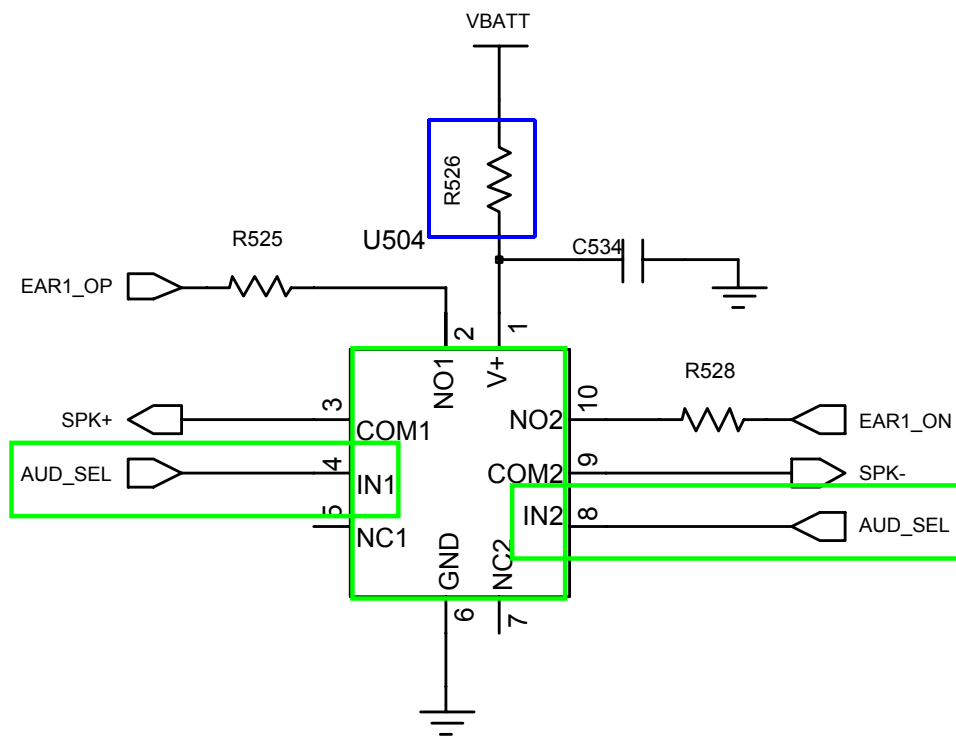
10-6. Speaker Part



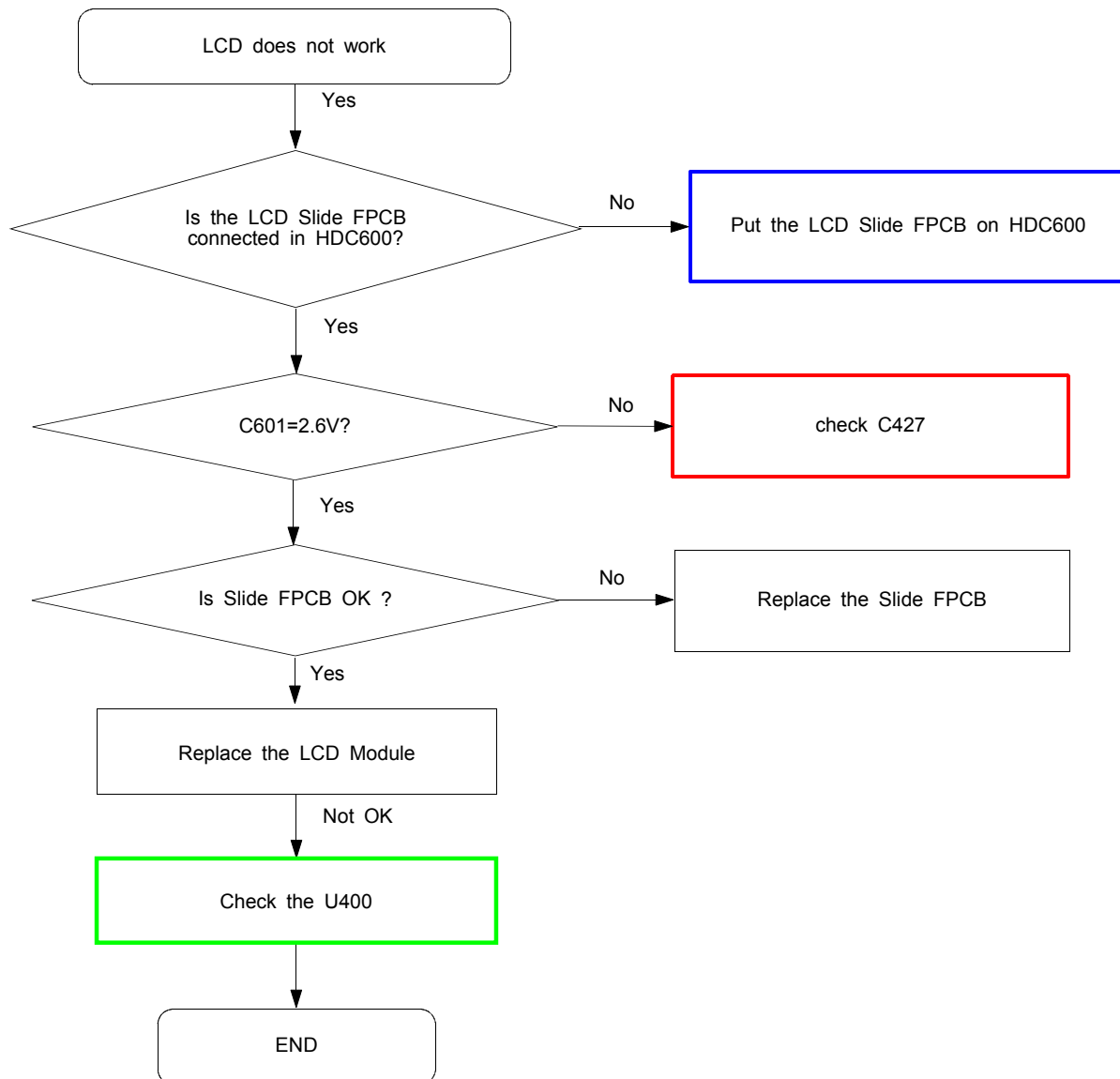


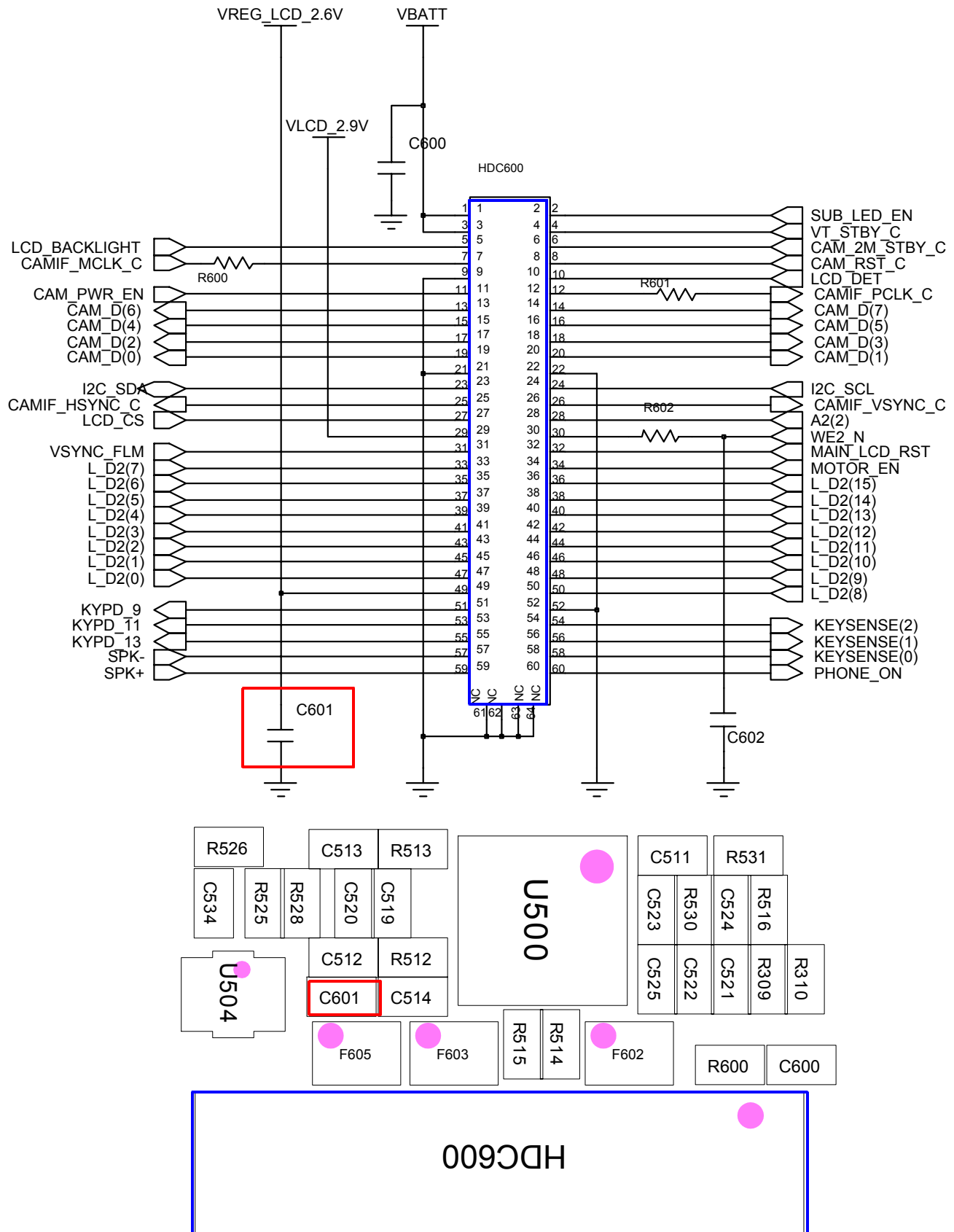
10-7. Receiver Part



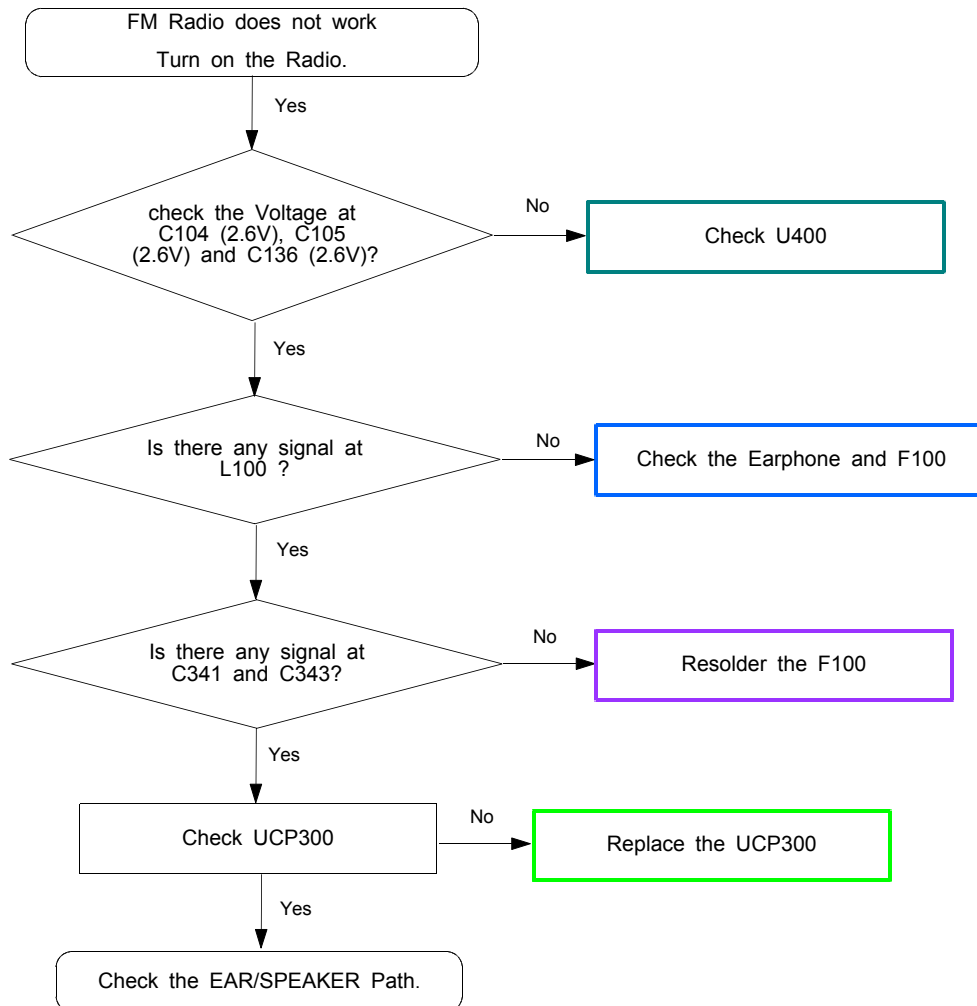


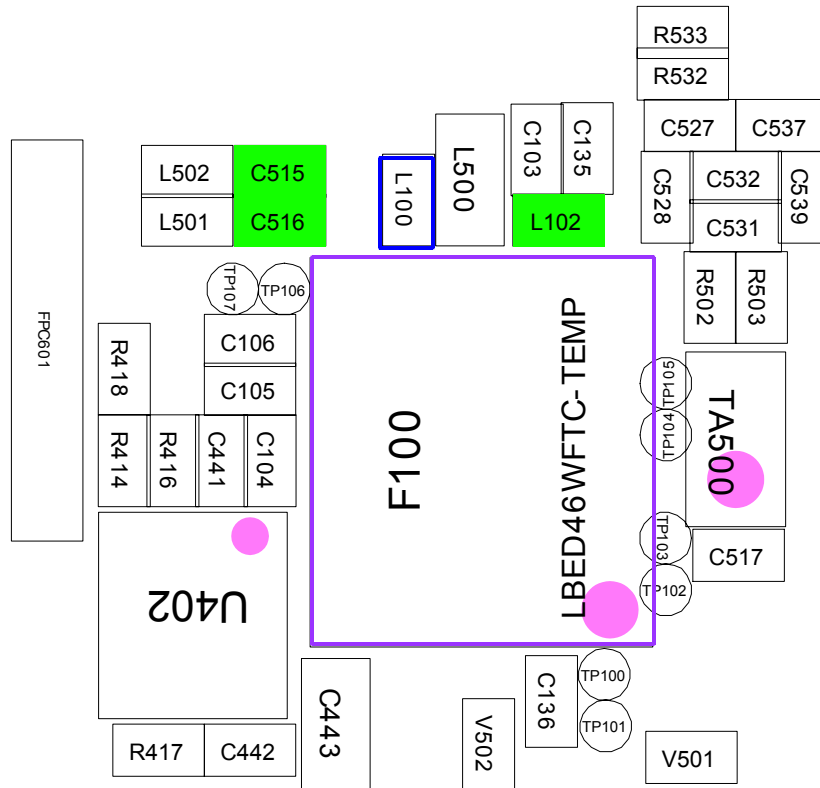
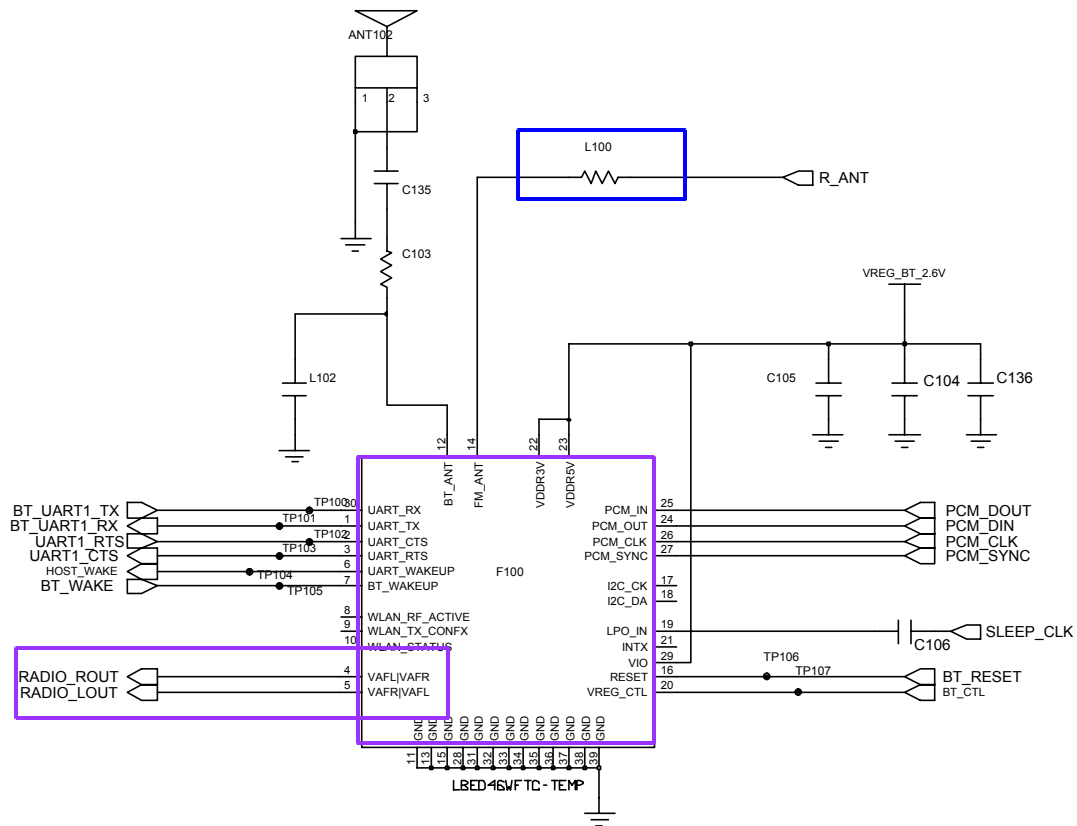
10-8. LCD part



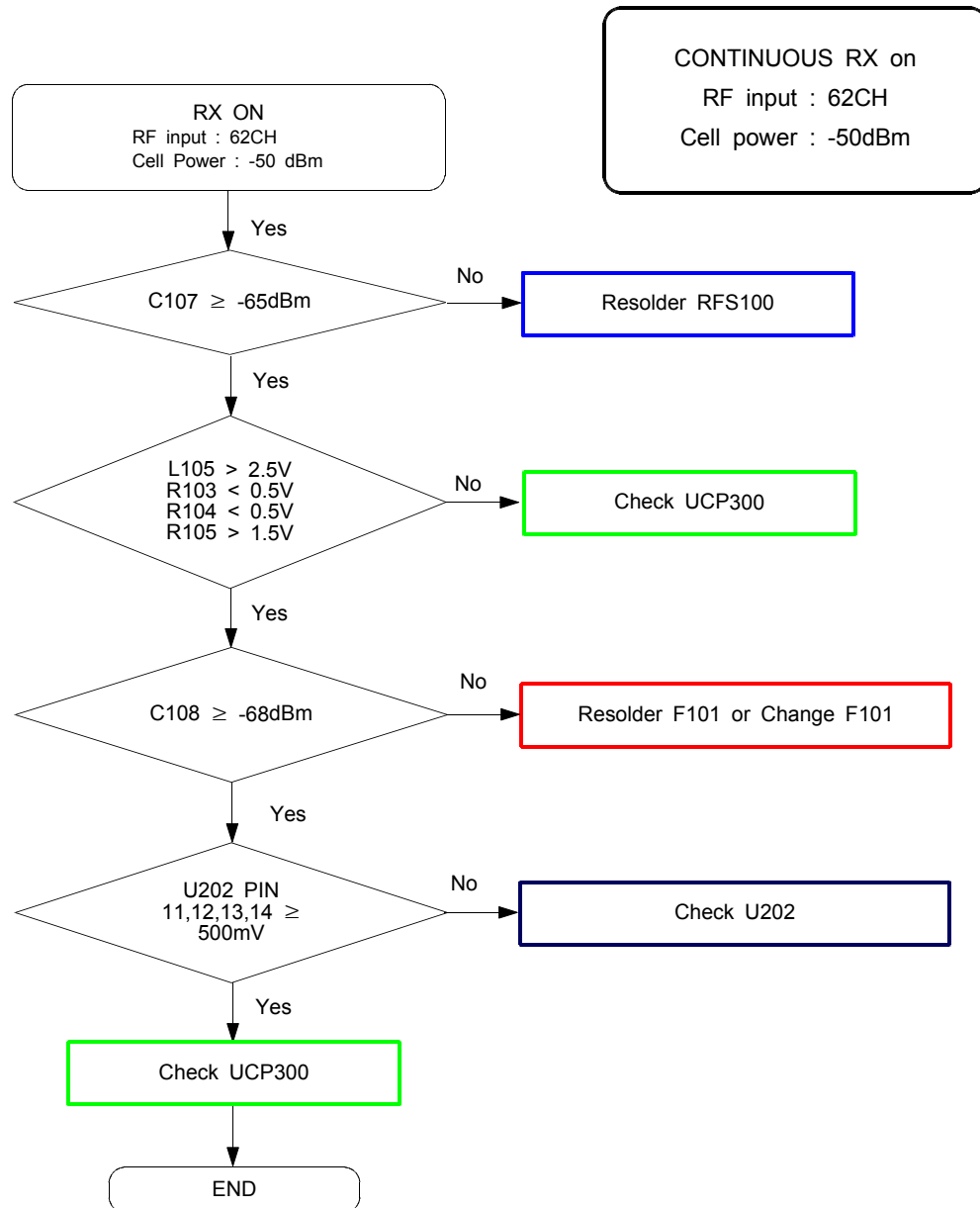


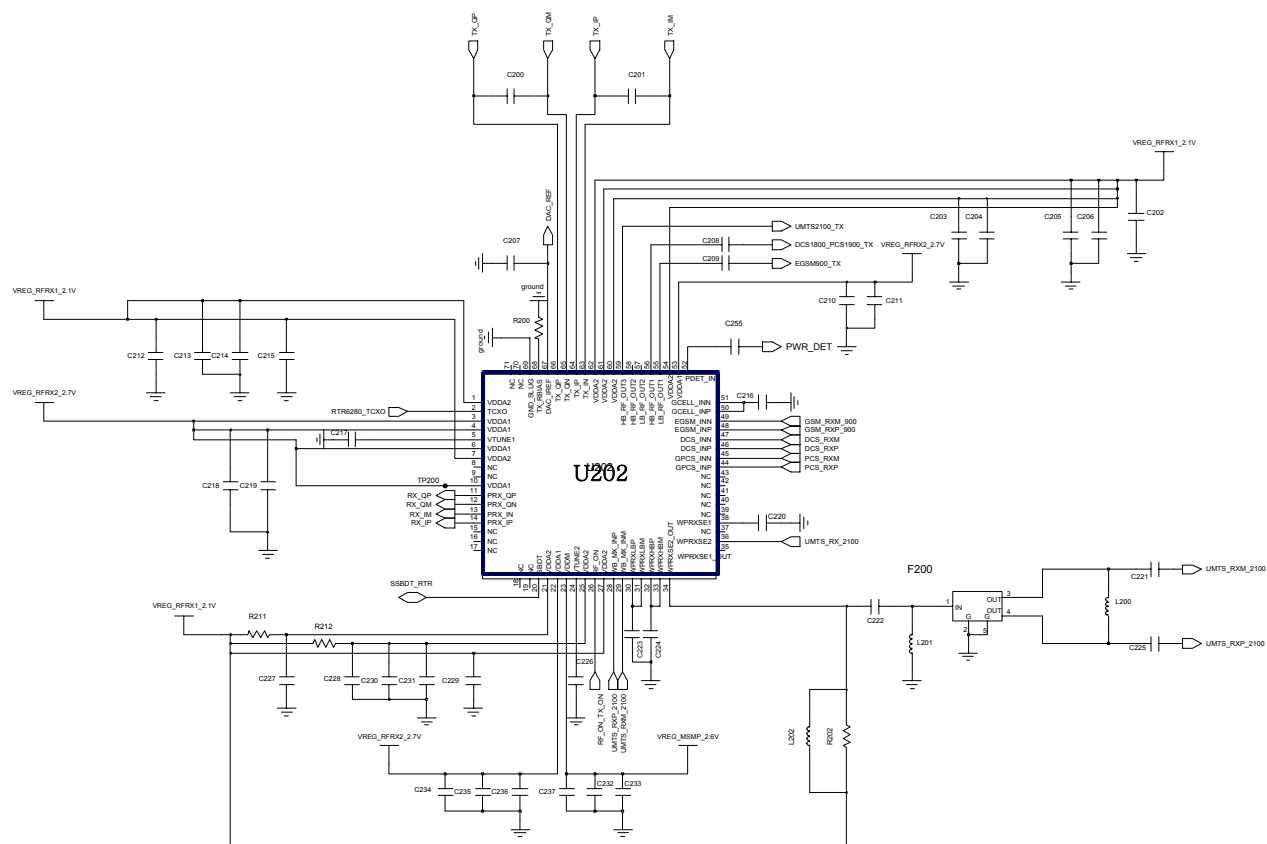
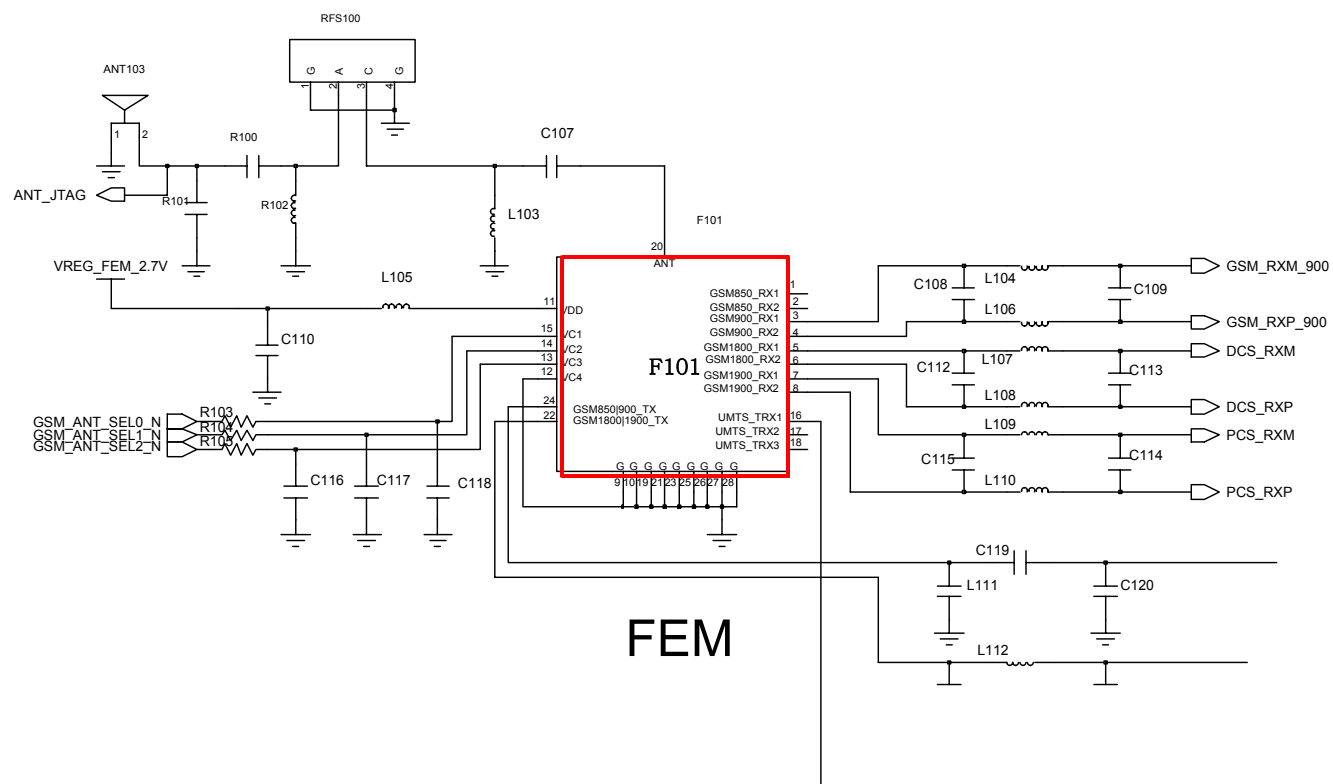
10-9. FM RADIO Part



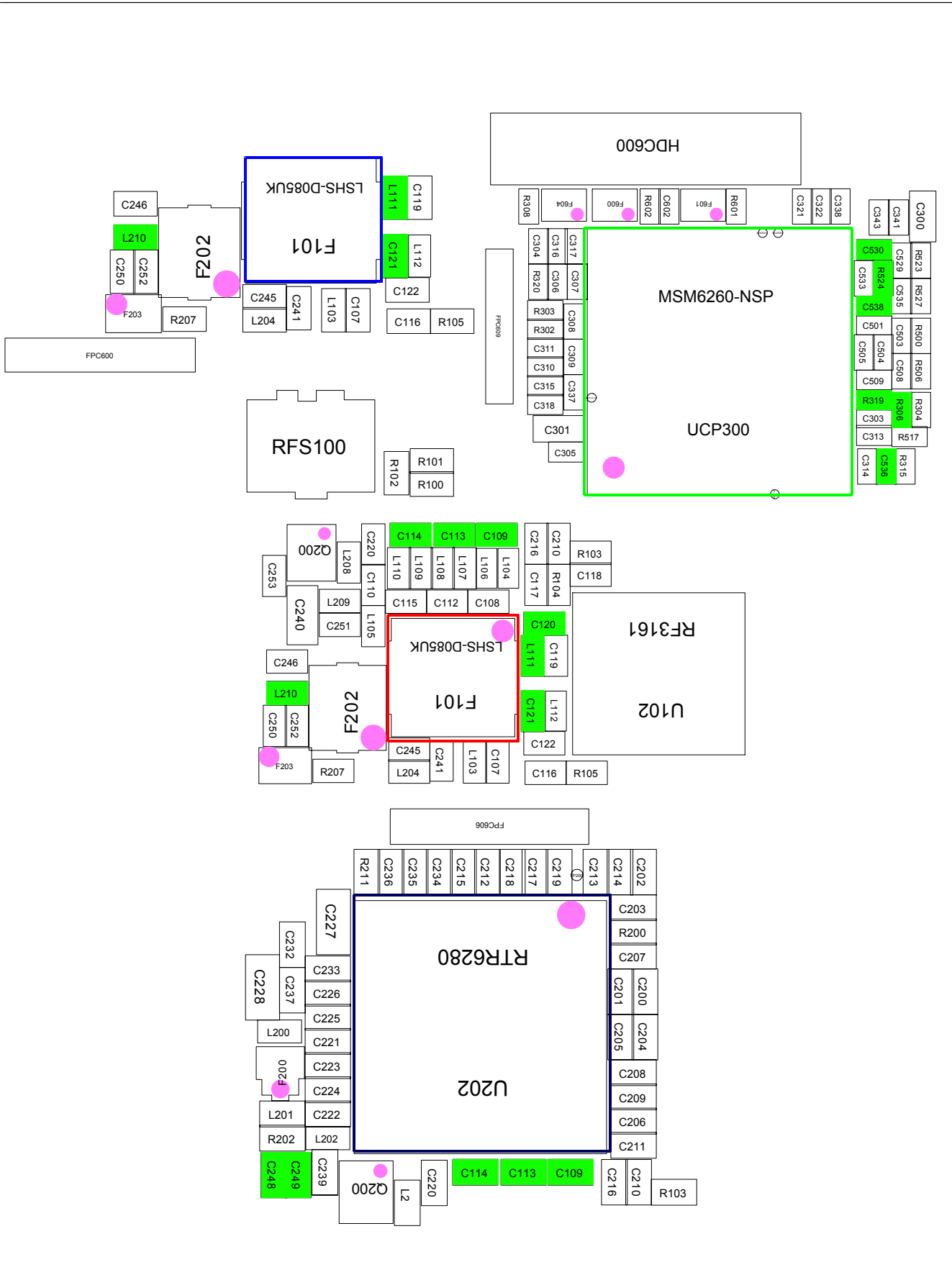


10-10. GSM Receiver

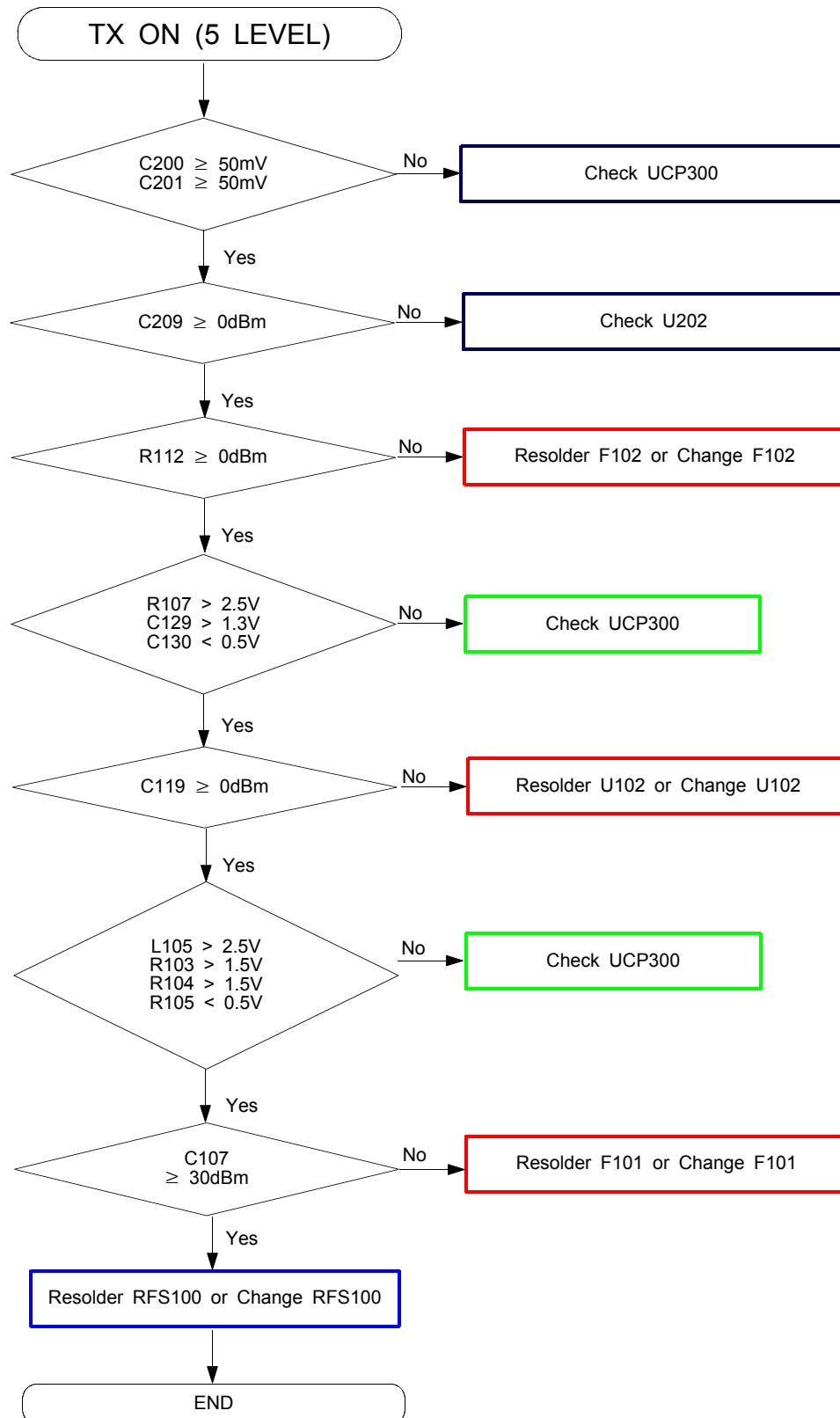


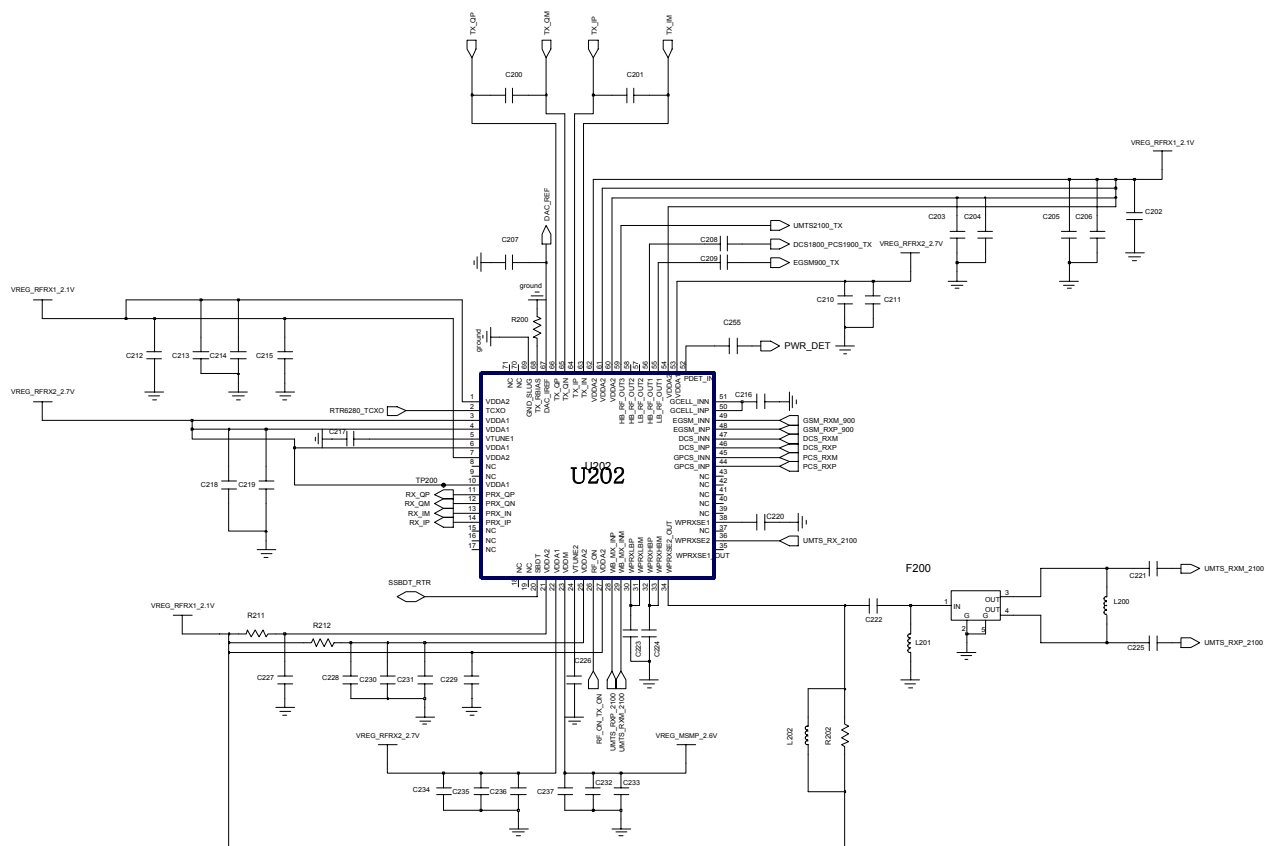


RF TRANSCEIVER

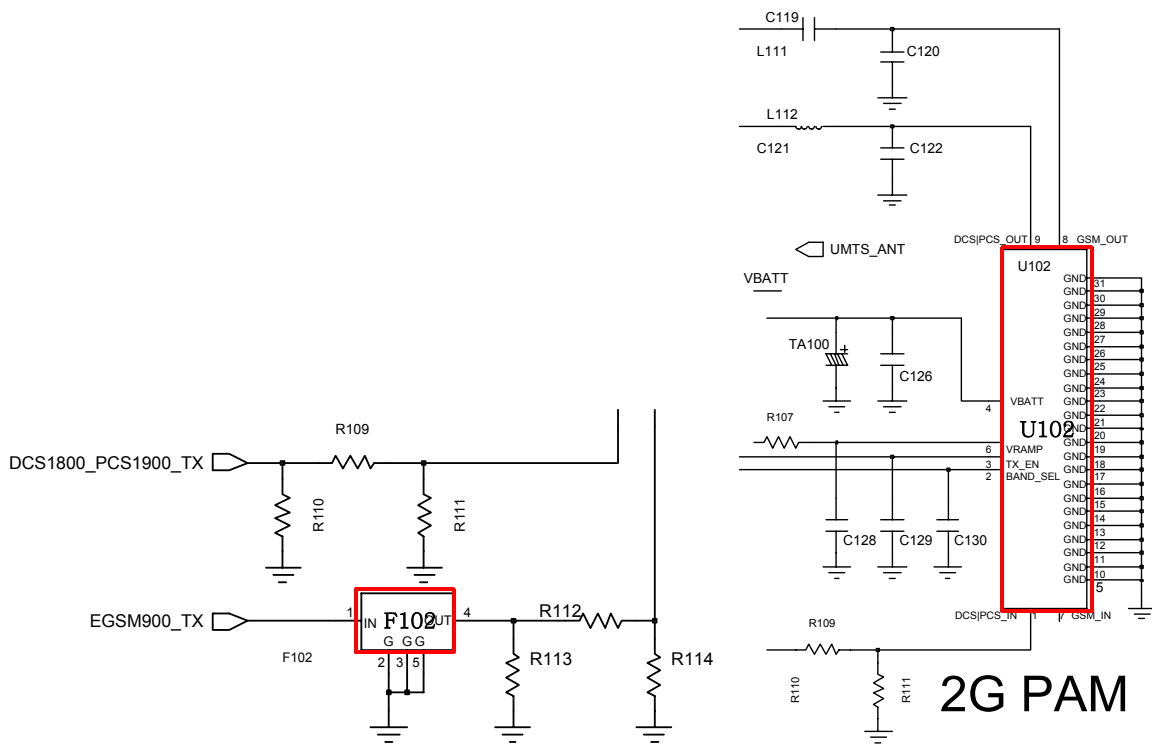


10-11 GSM Transmitter

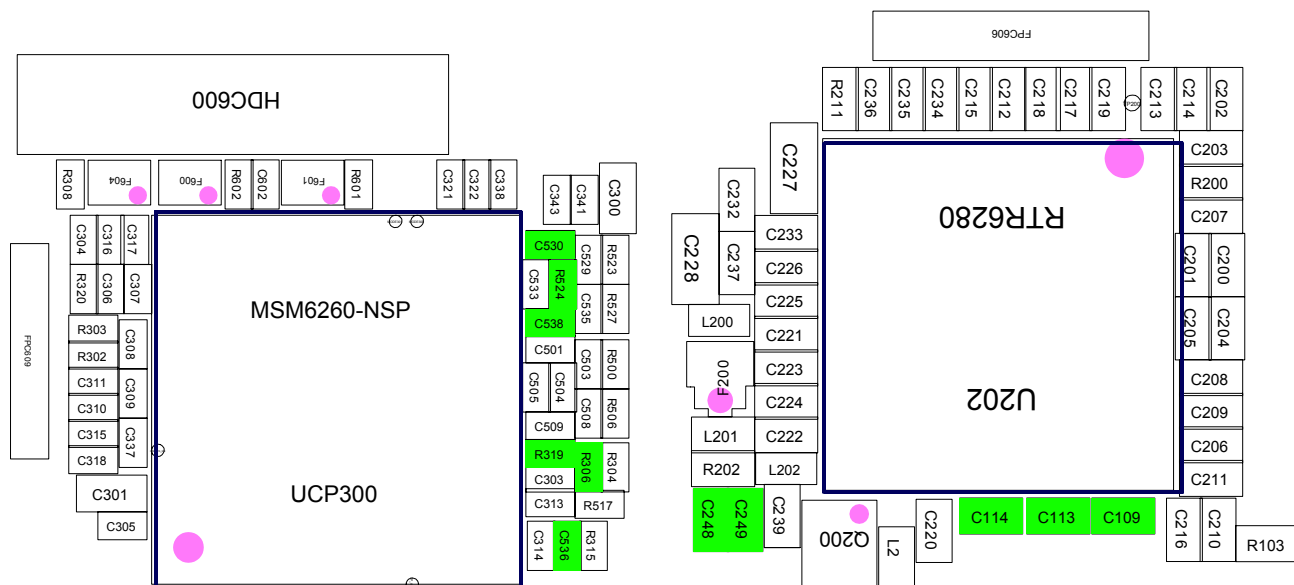
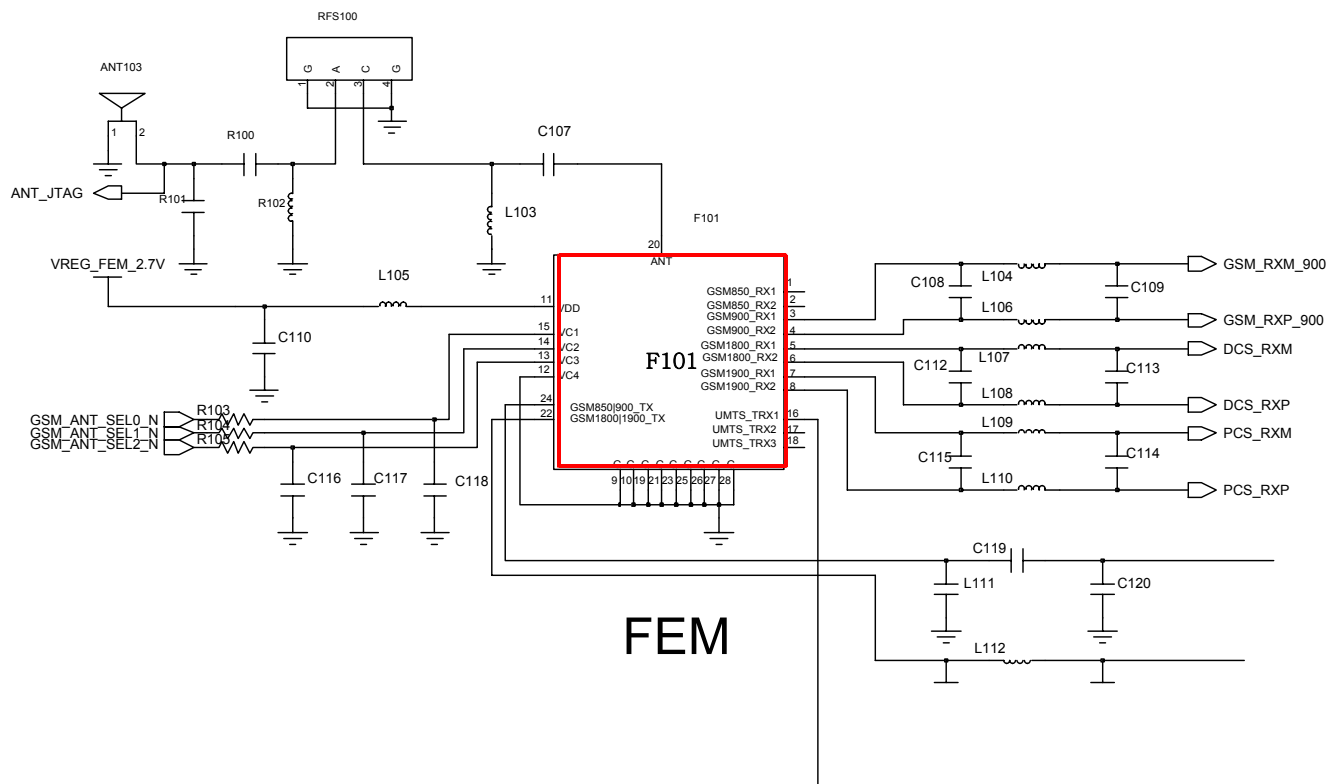


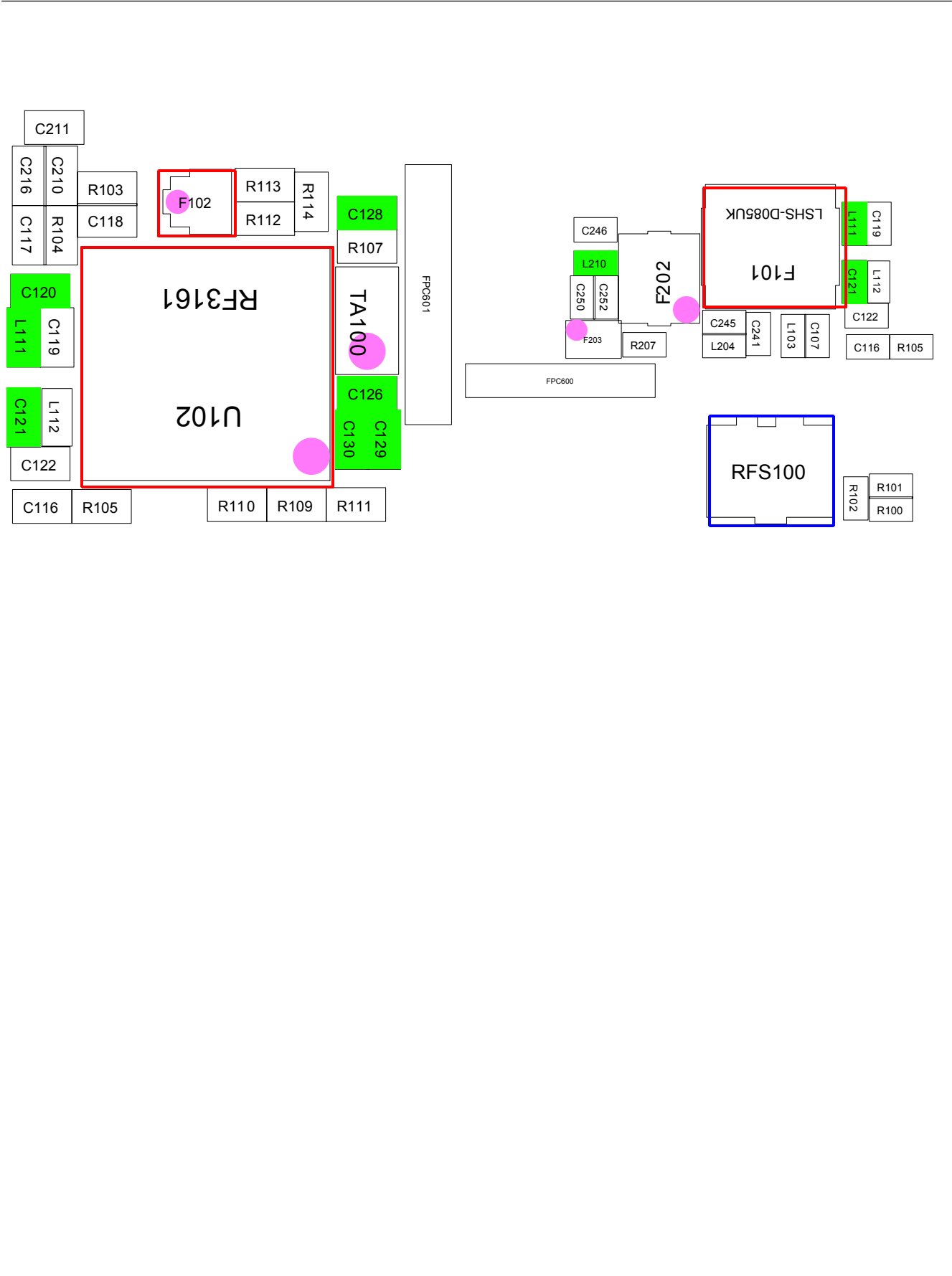


RF TRANSCEIVER

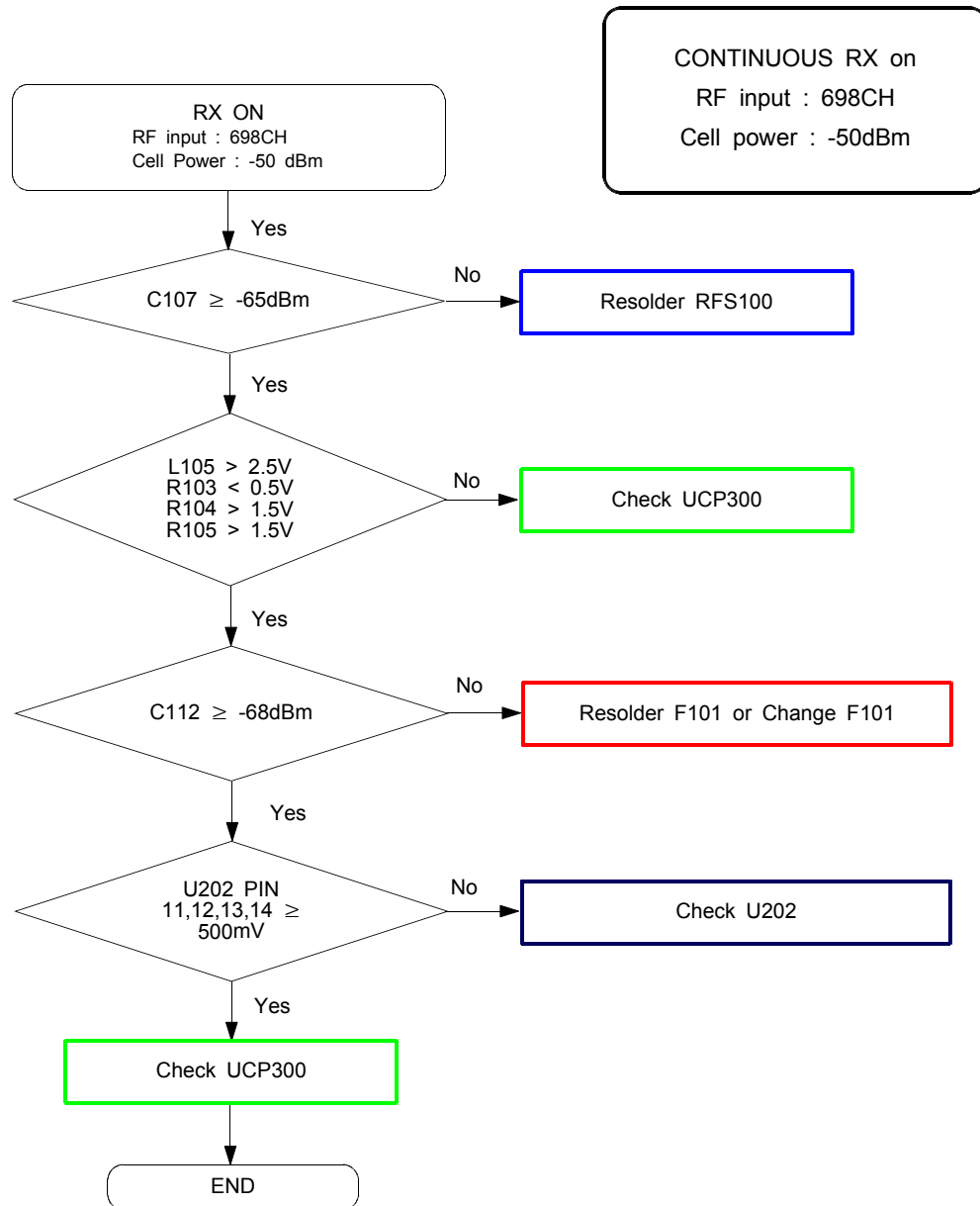


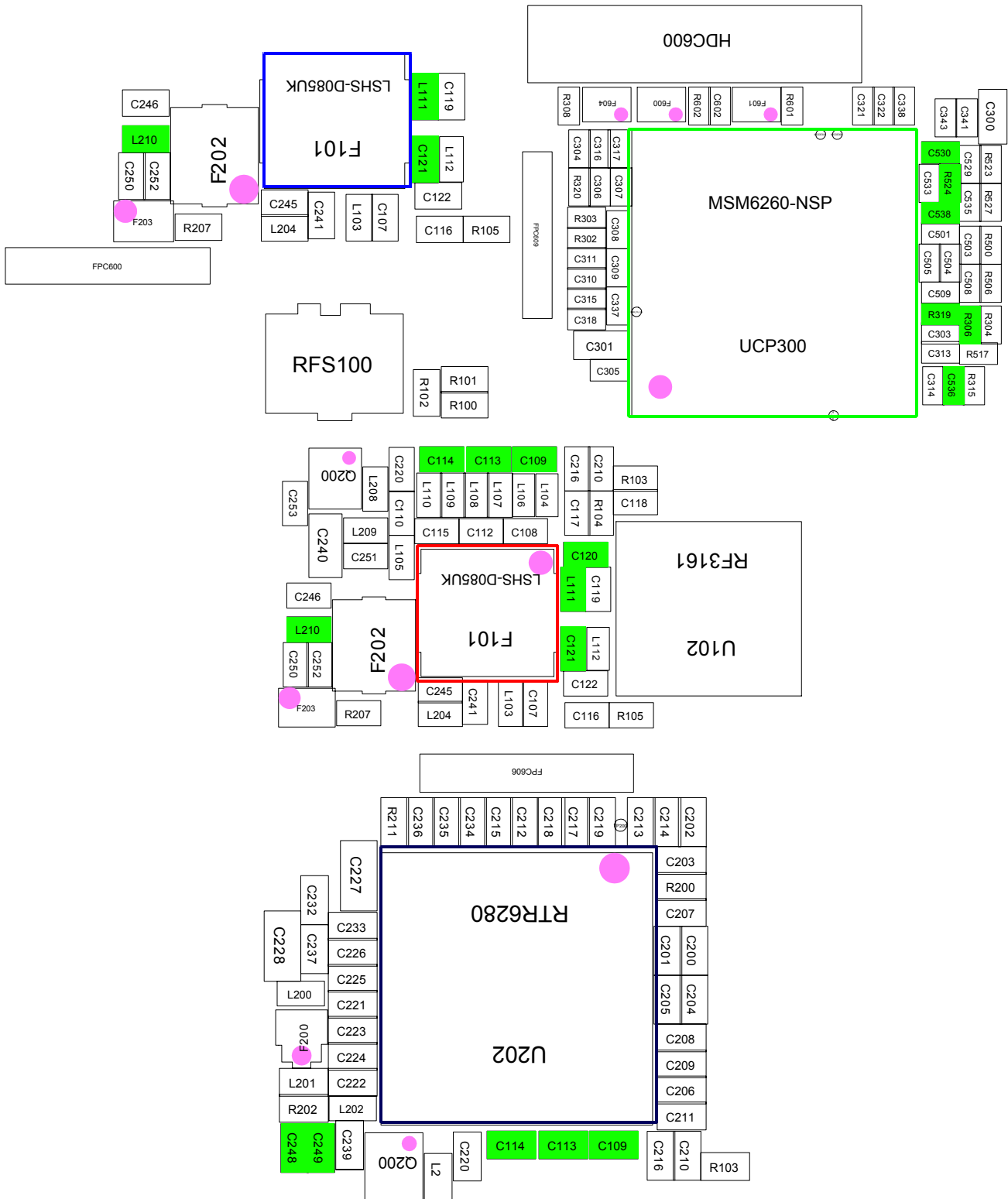
2G PAM



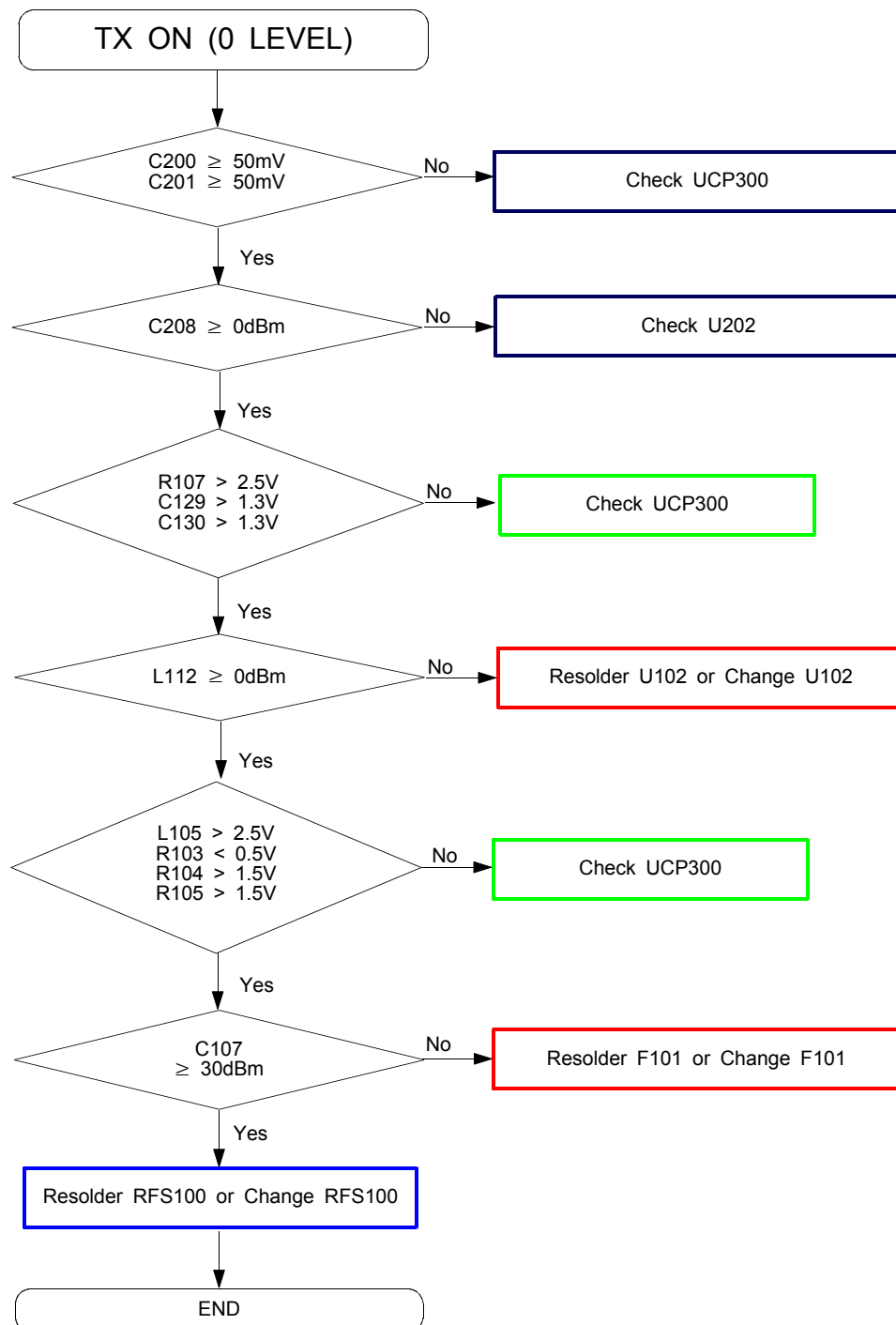


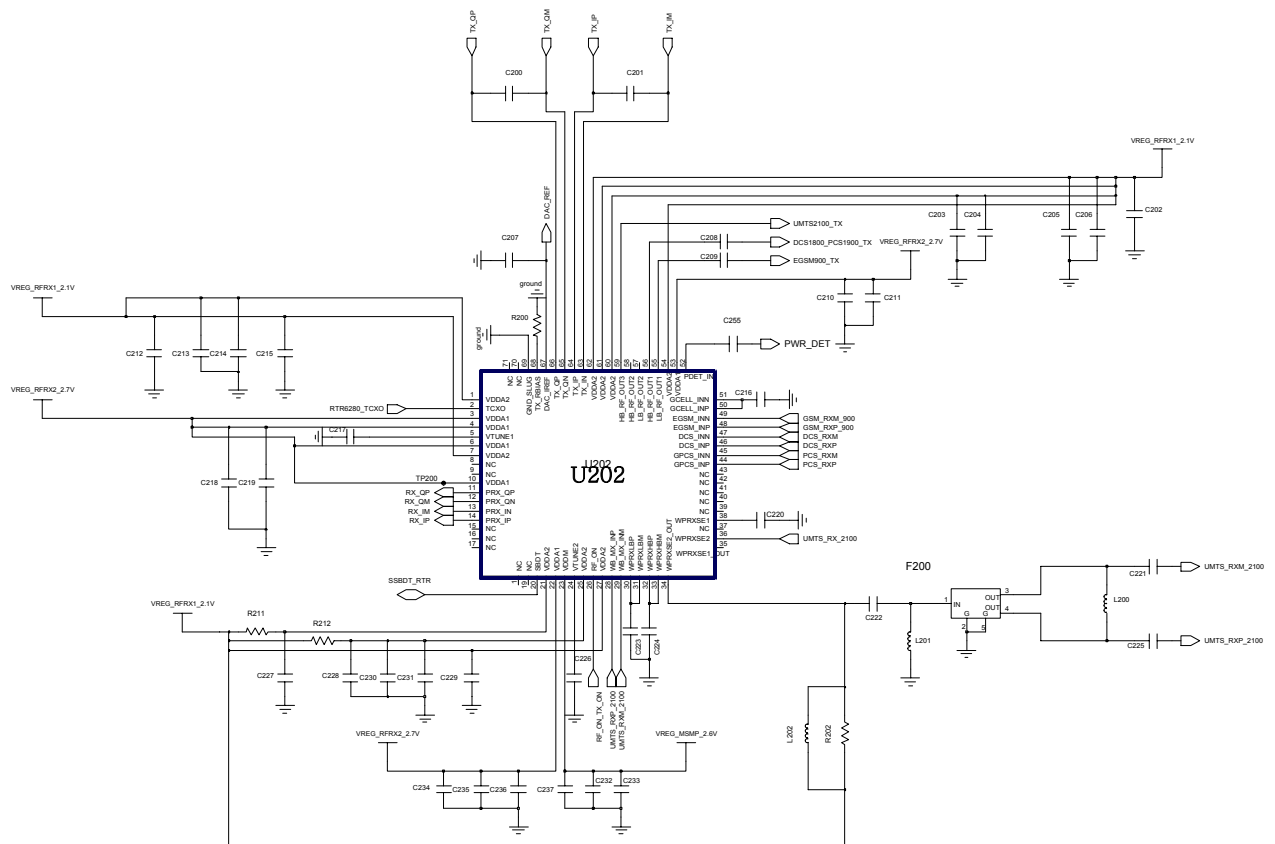
10-12. DCS Receiver



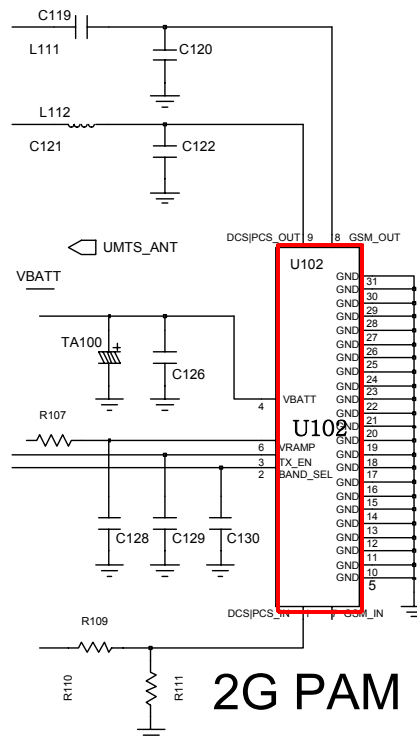


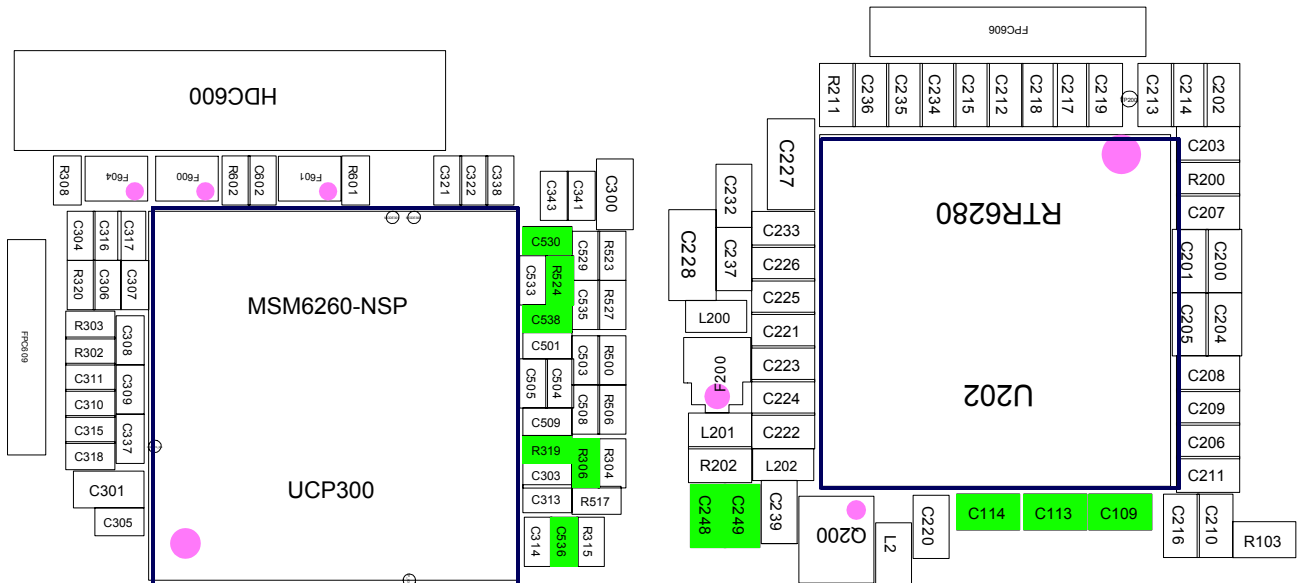
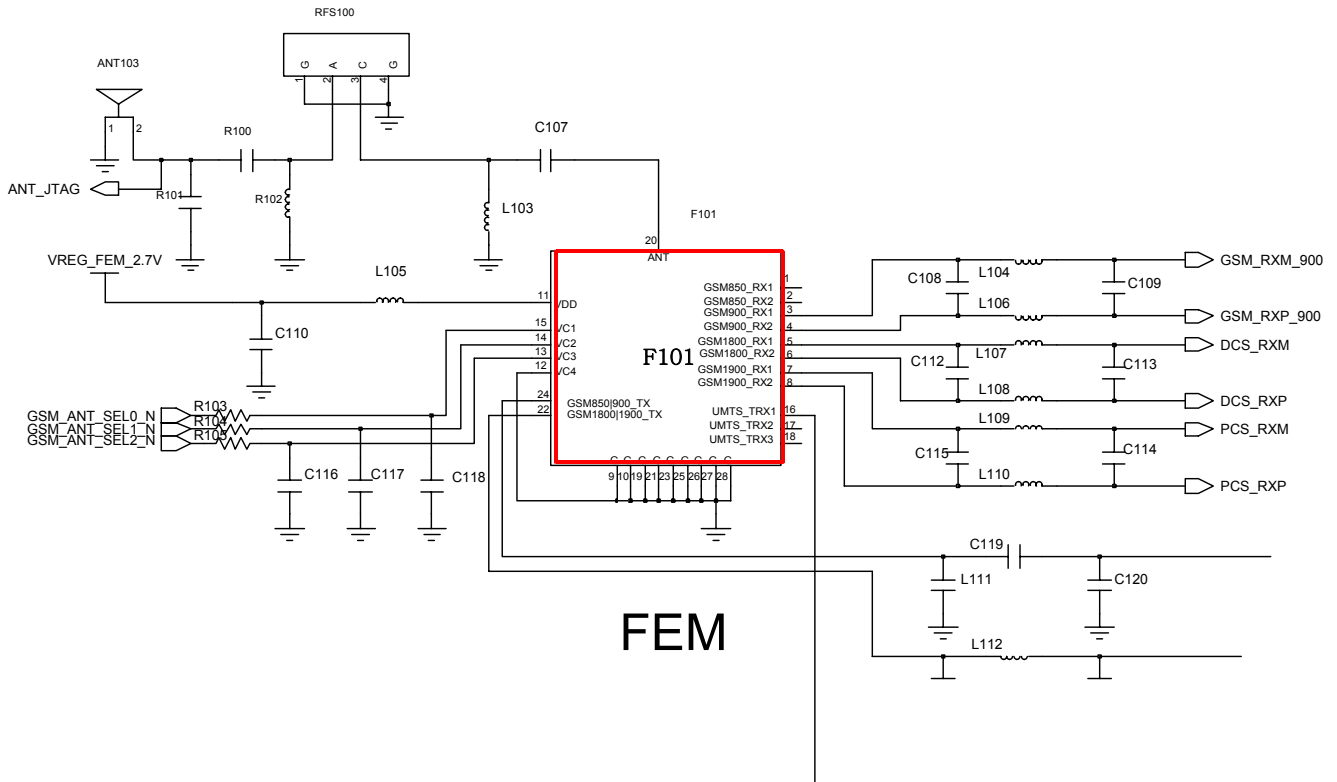
10-13. DCS Transmitter

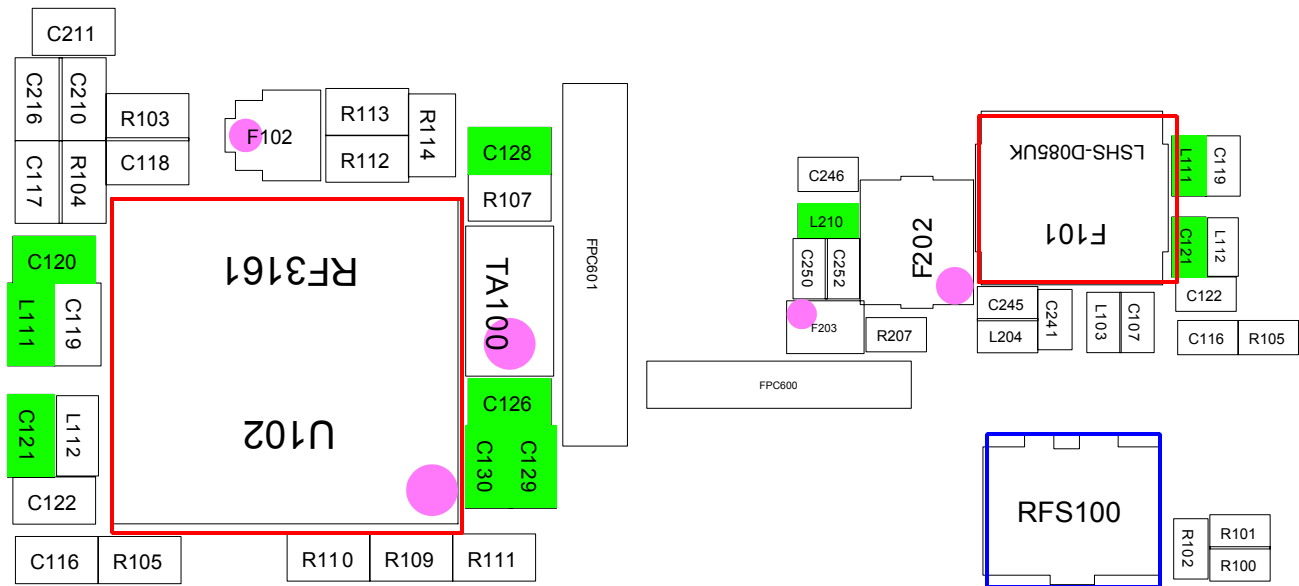




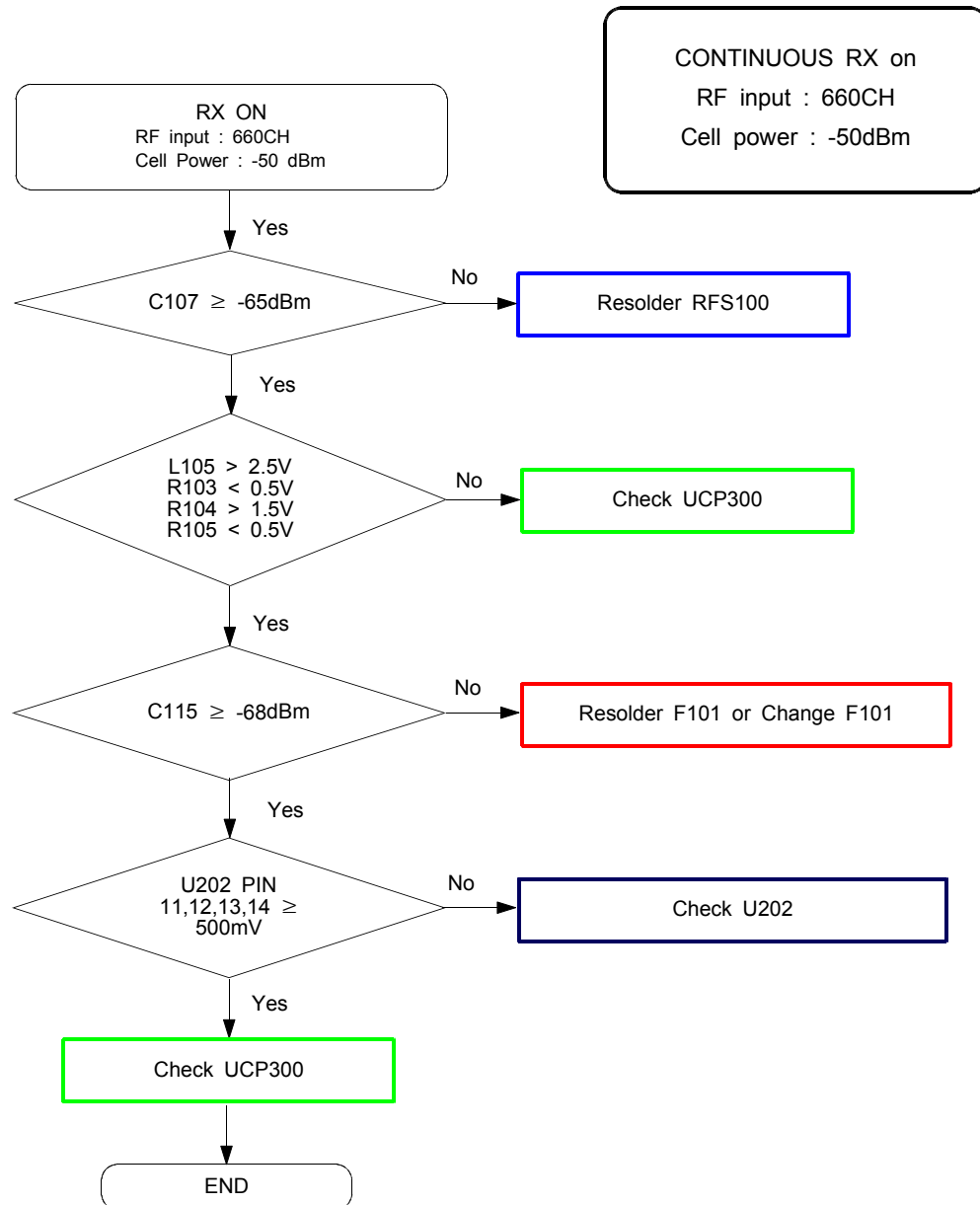
RF TRANSCEIVER

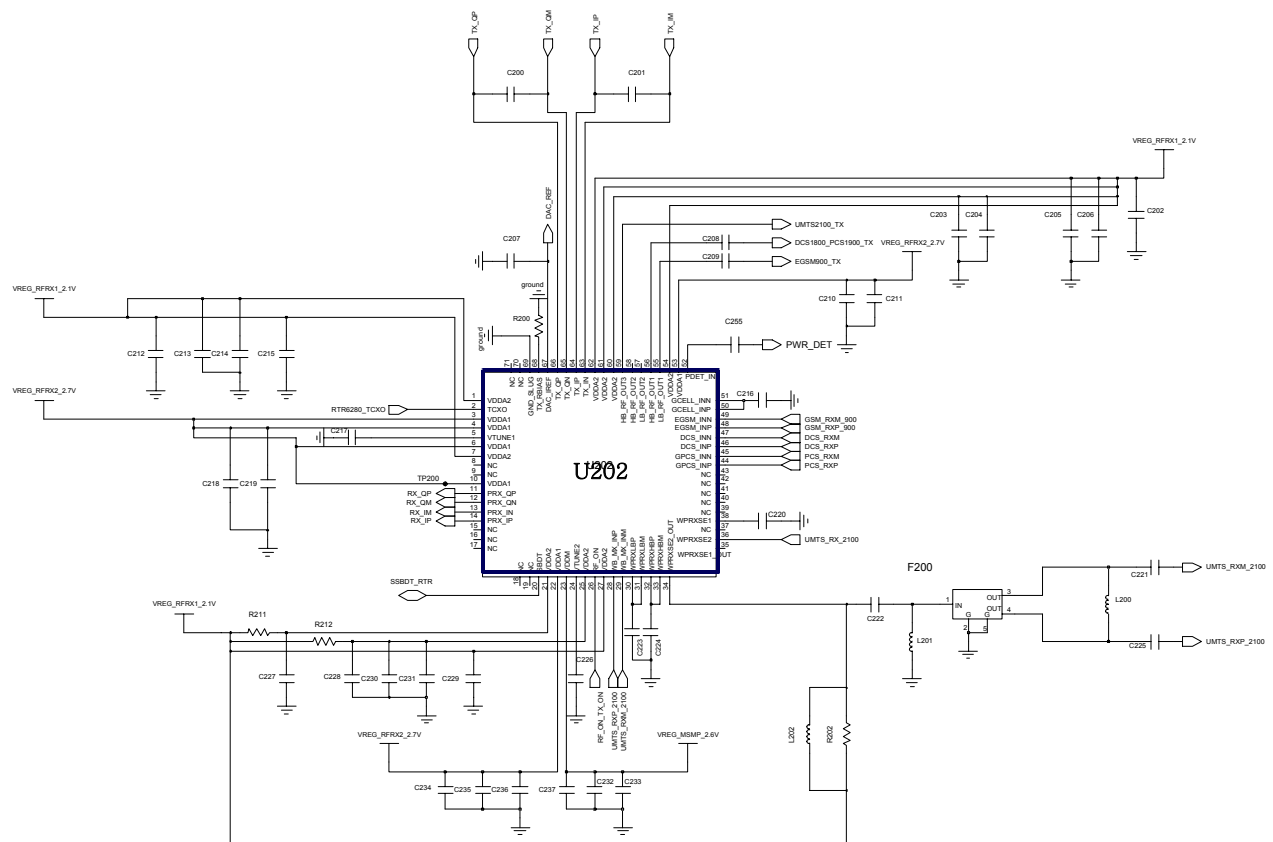
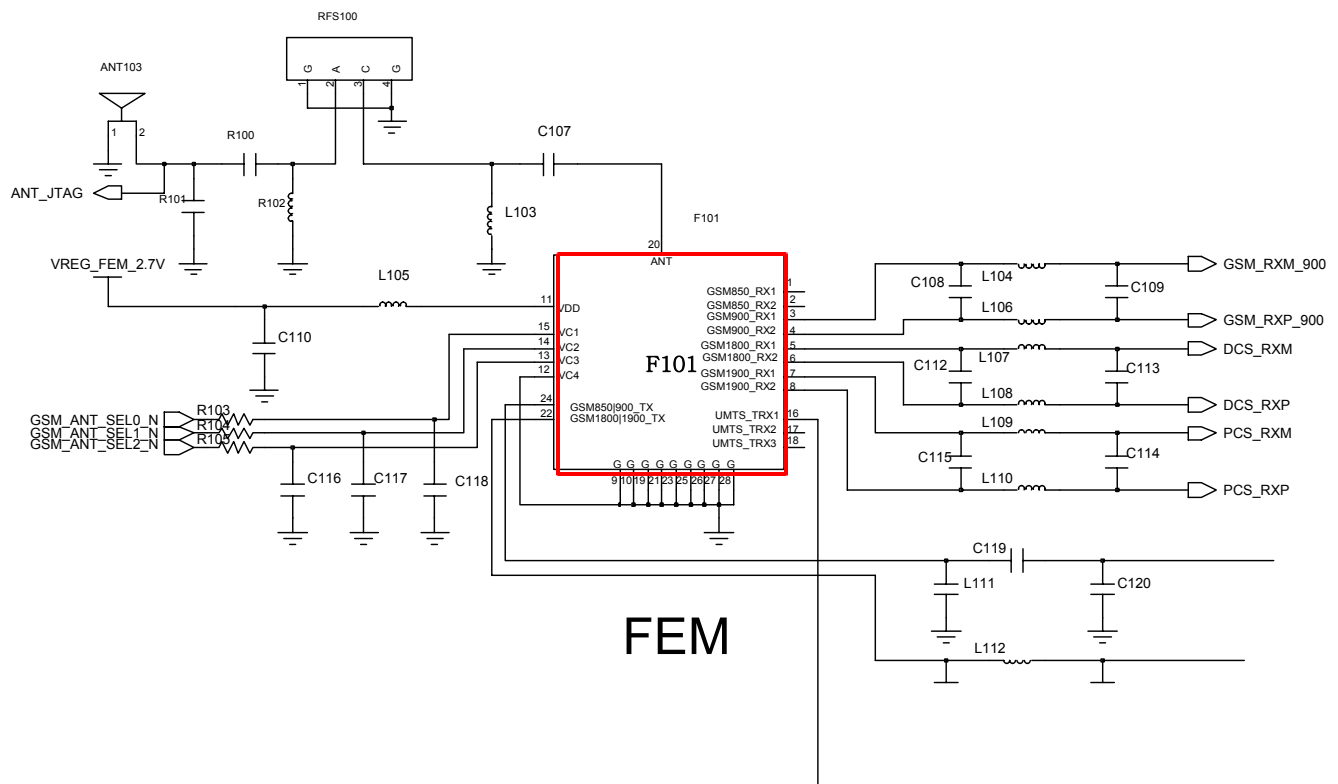




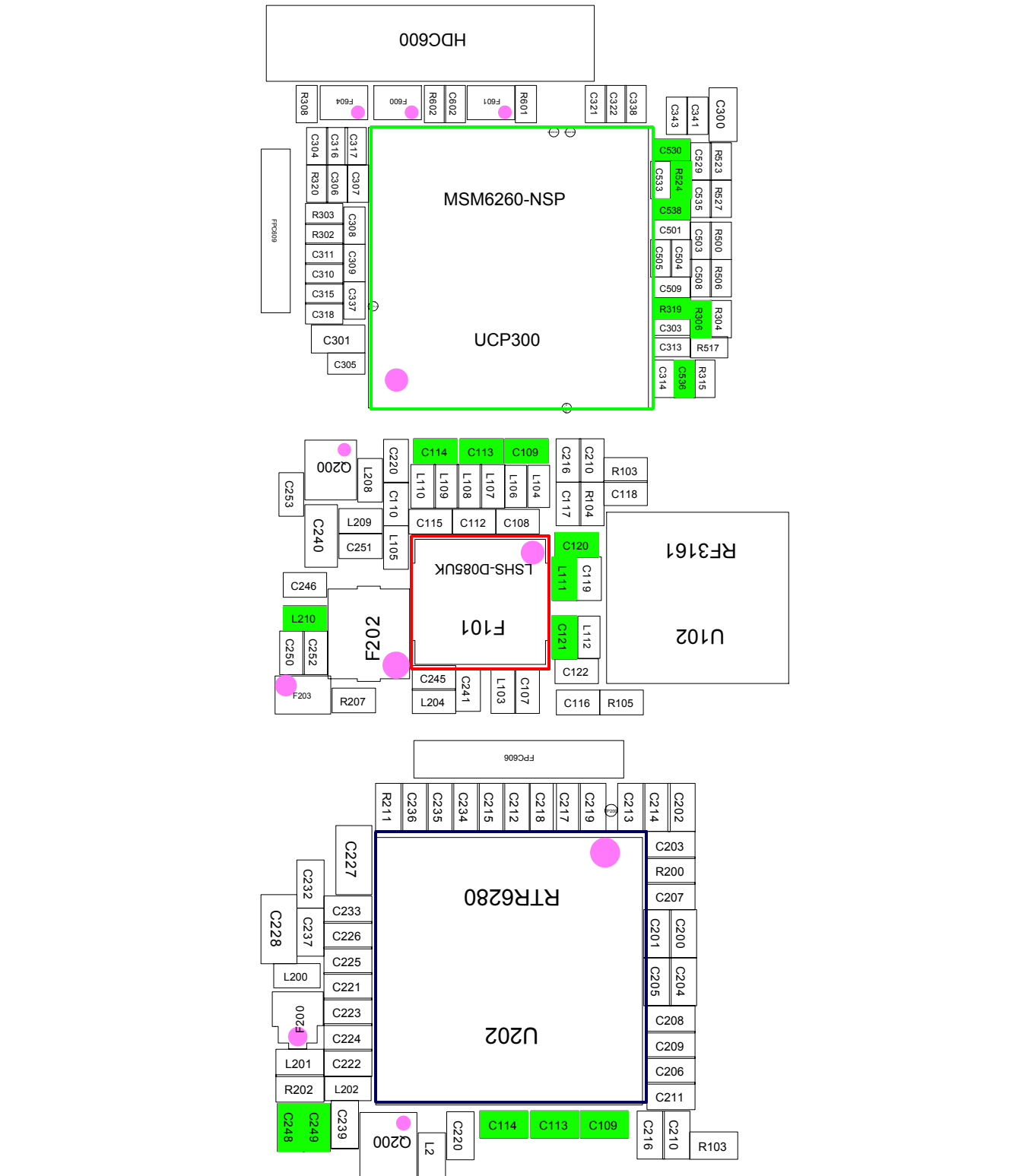


10-14. PCS Receiver

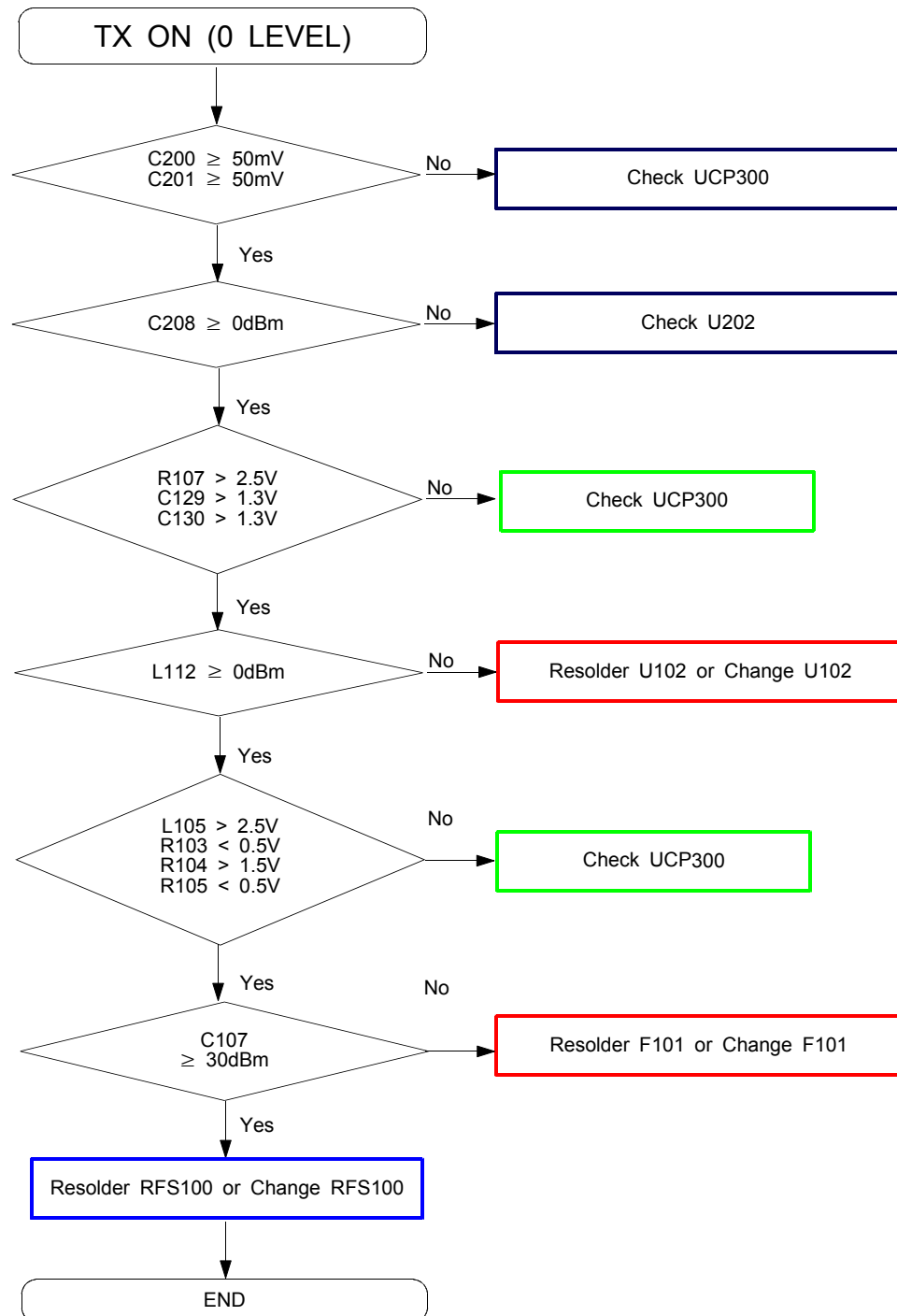


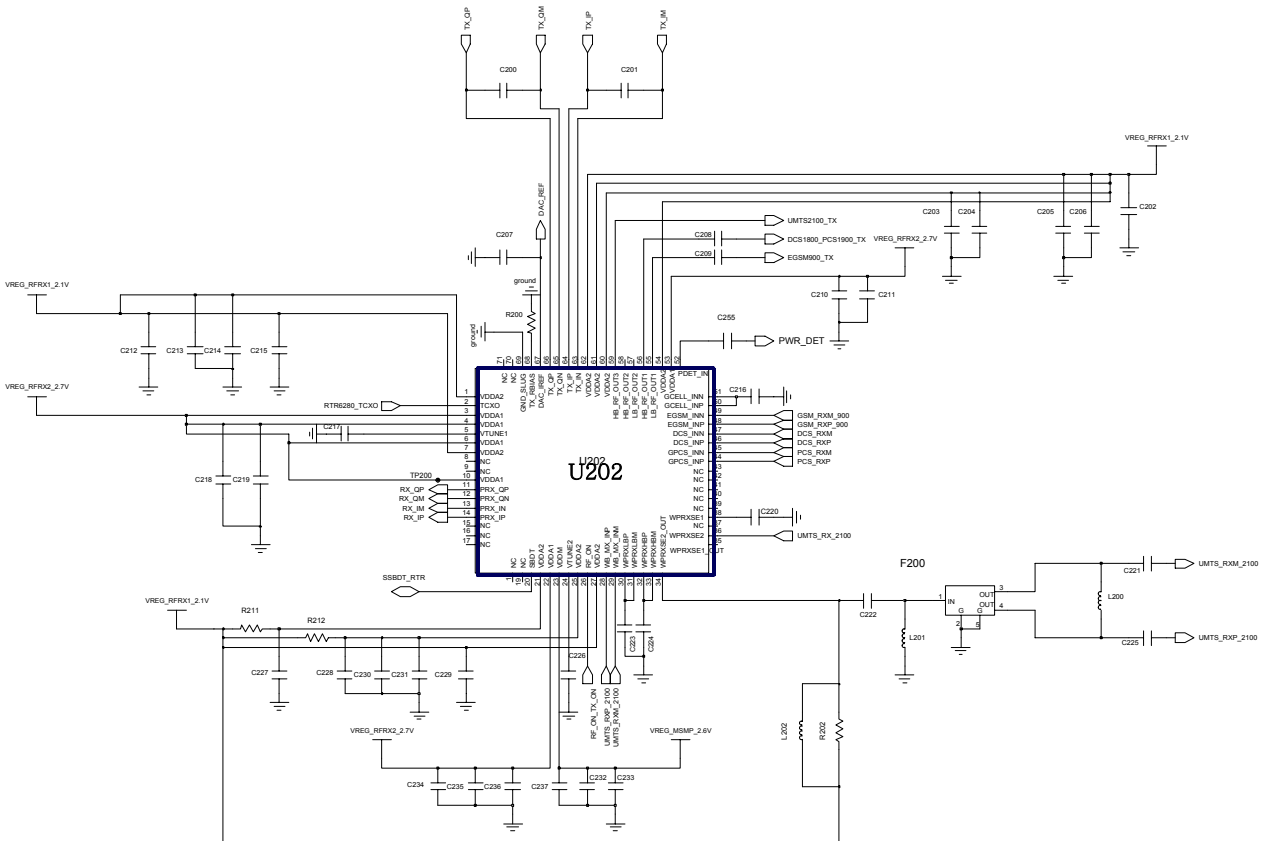


RF TRANSCEIVER

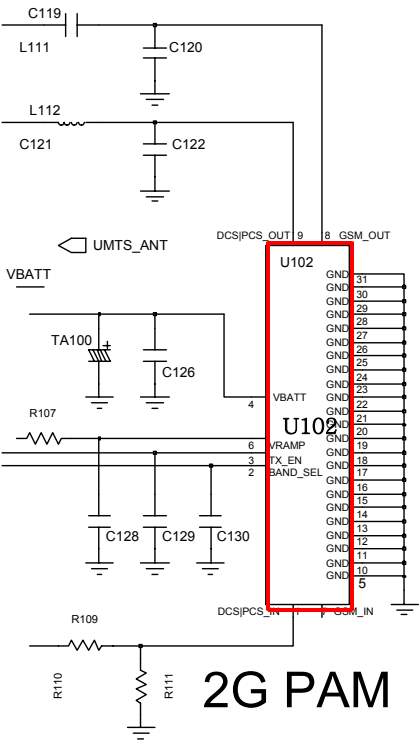


10-15. PCS Transmitter

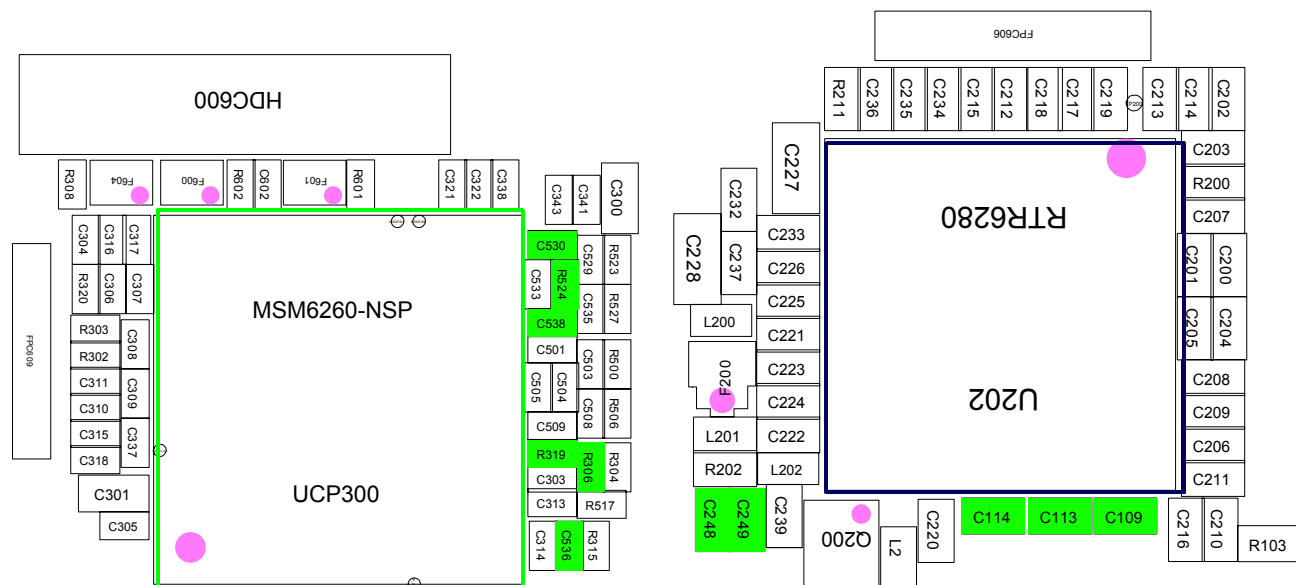
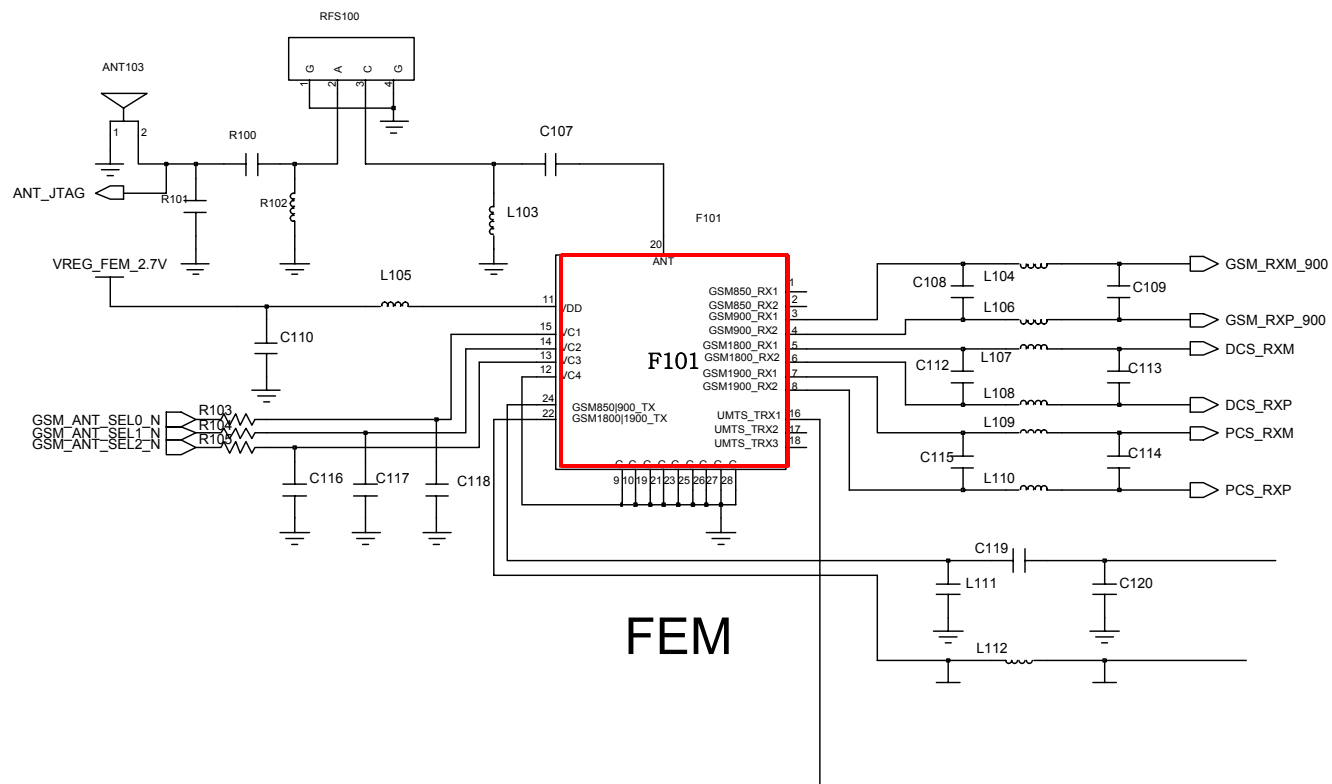


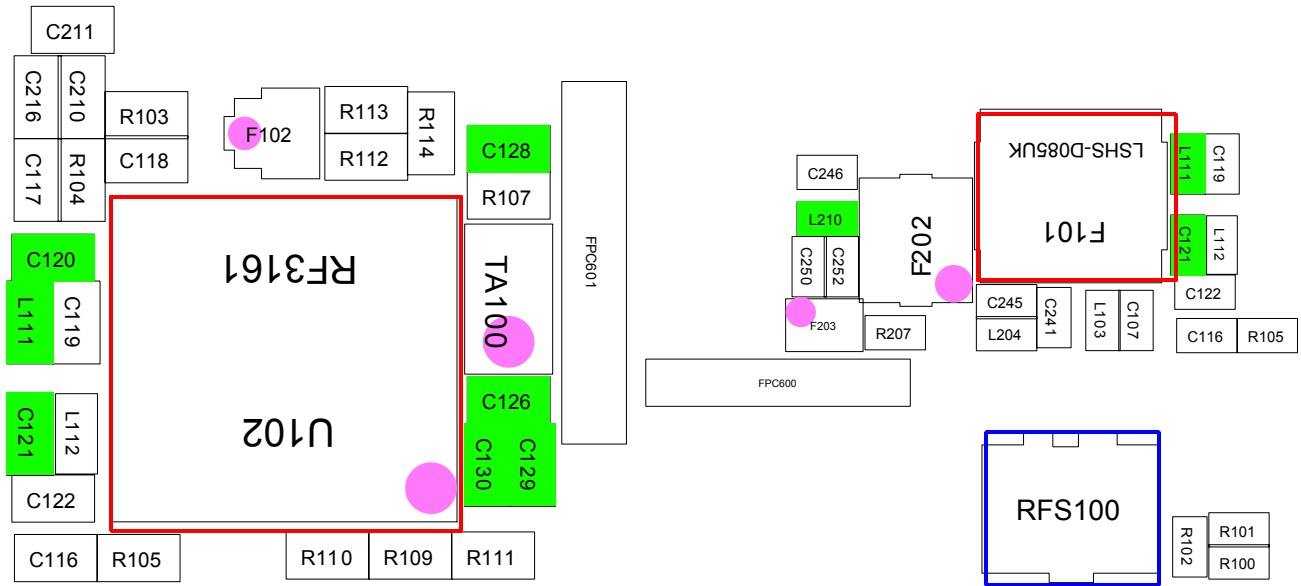


RF TRANSCEIVER

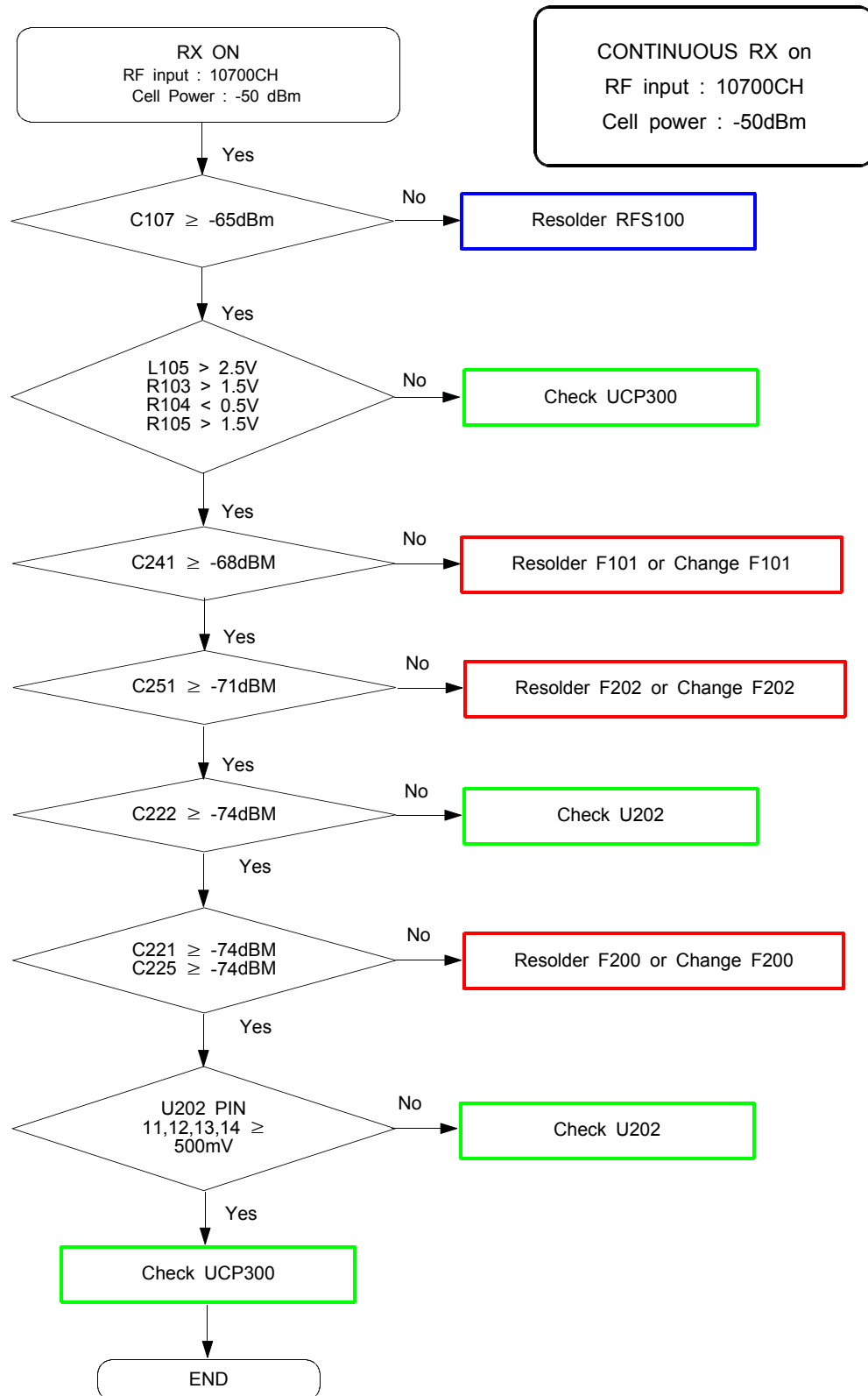


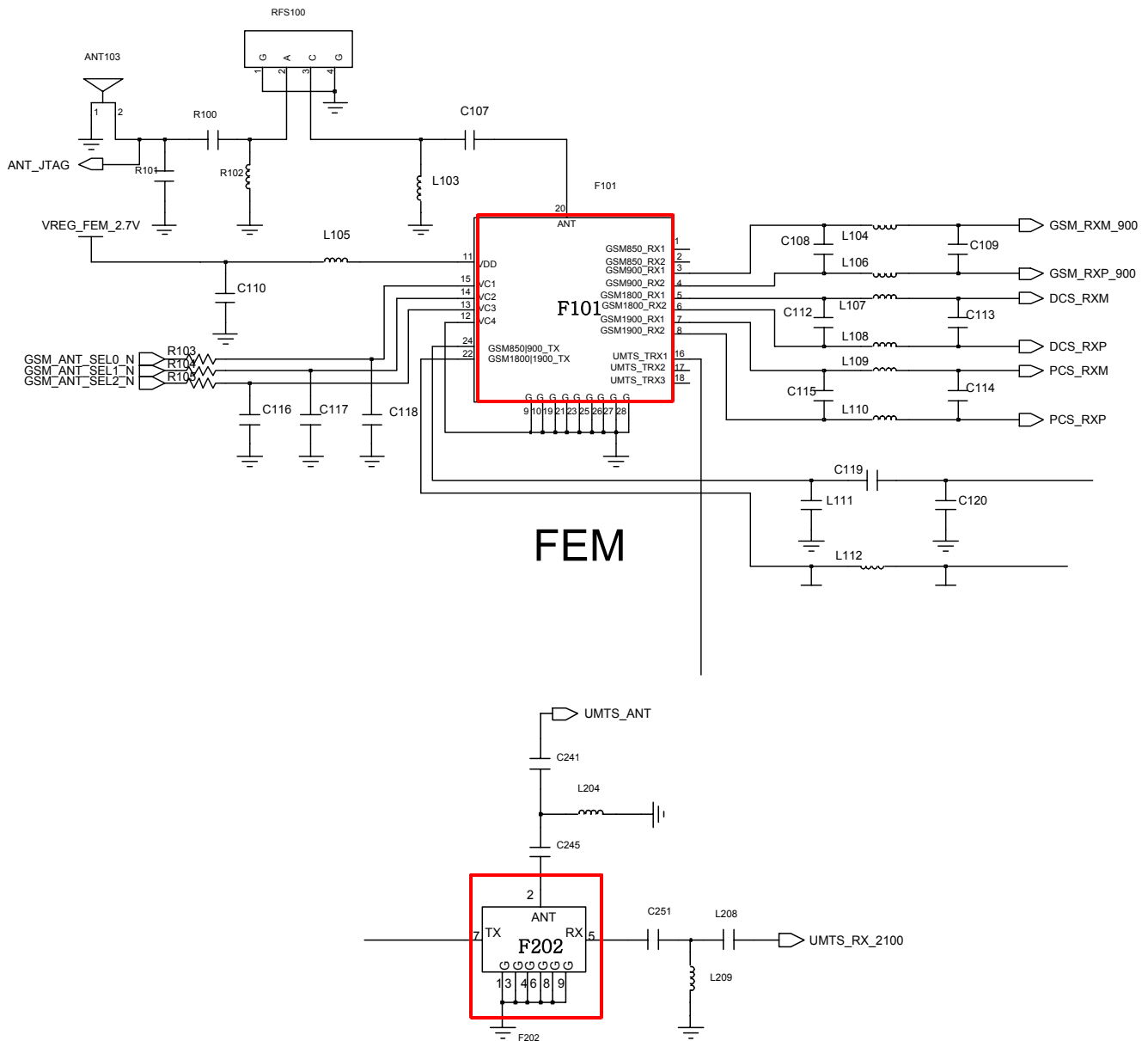
2G PAM



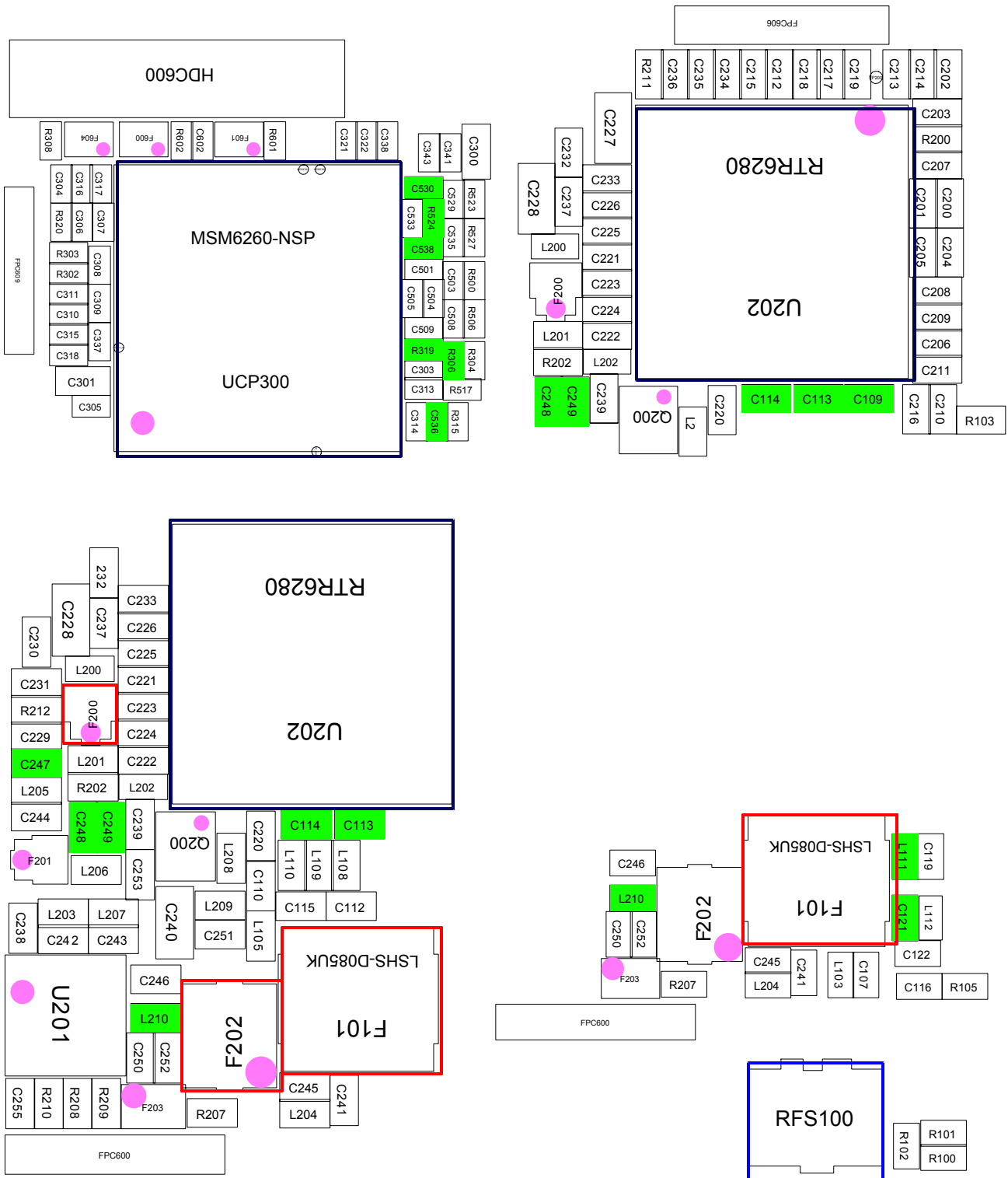


10-16. WCDMA Receiver

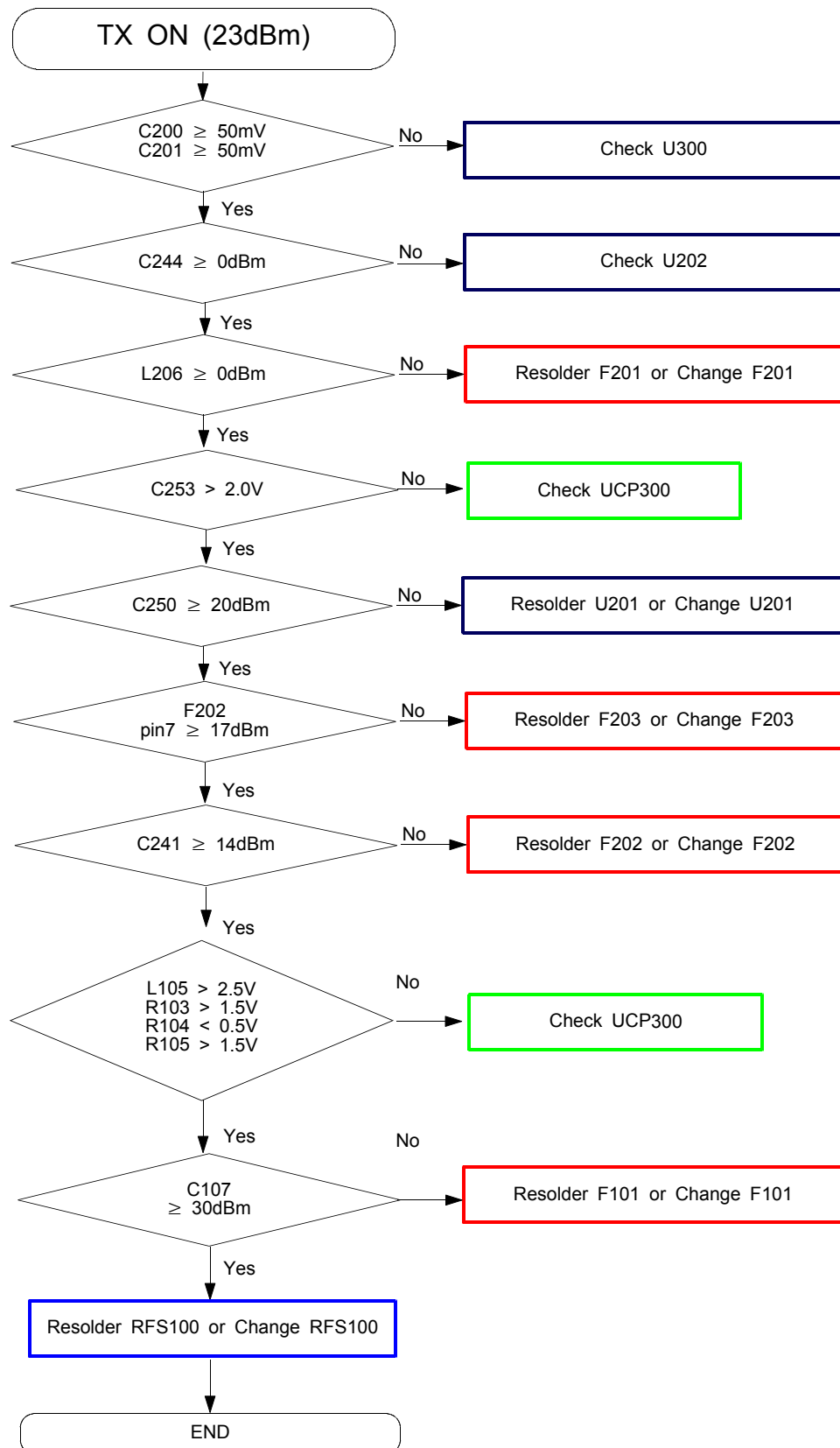


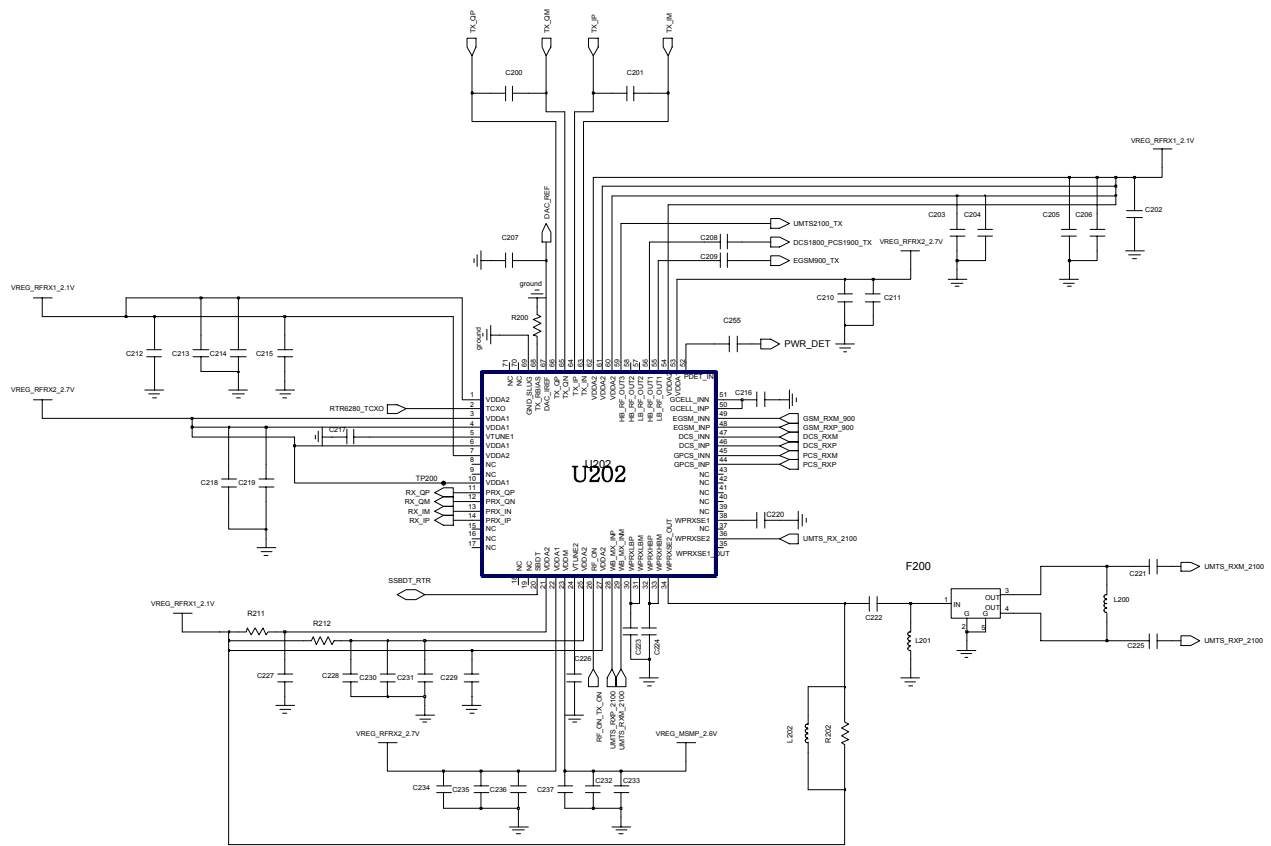




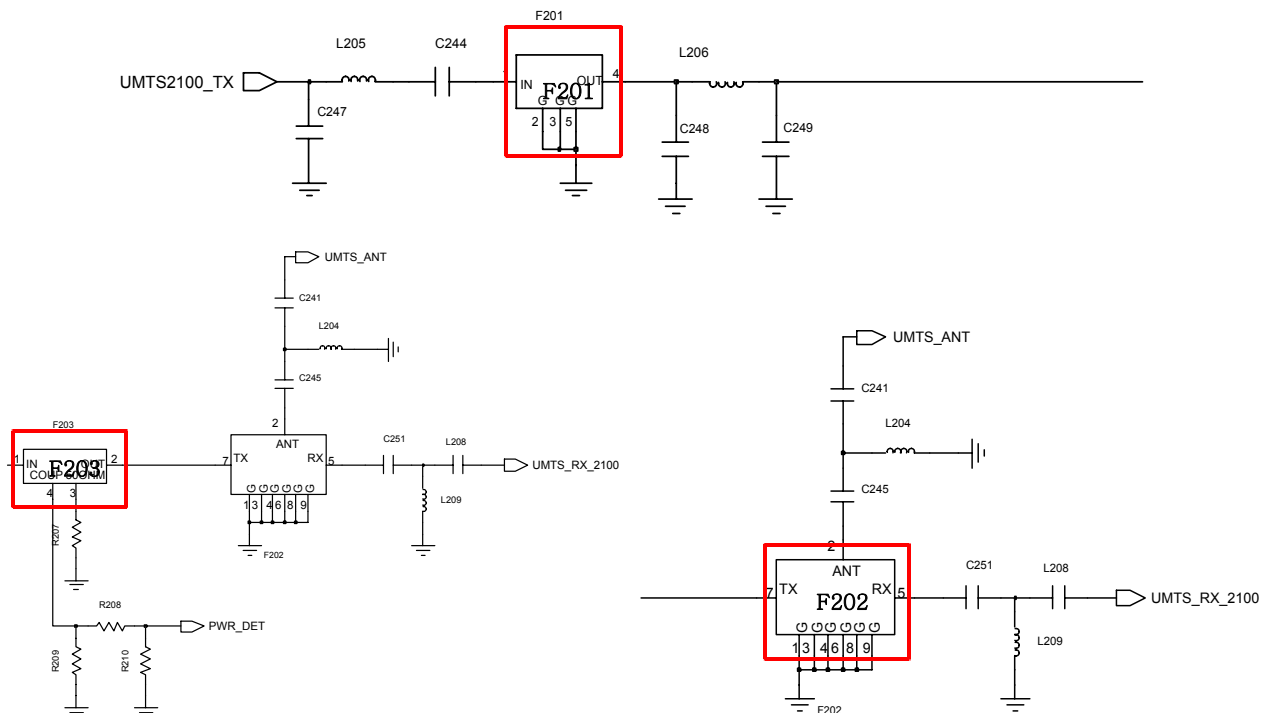


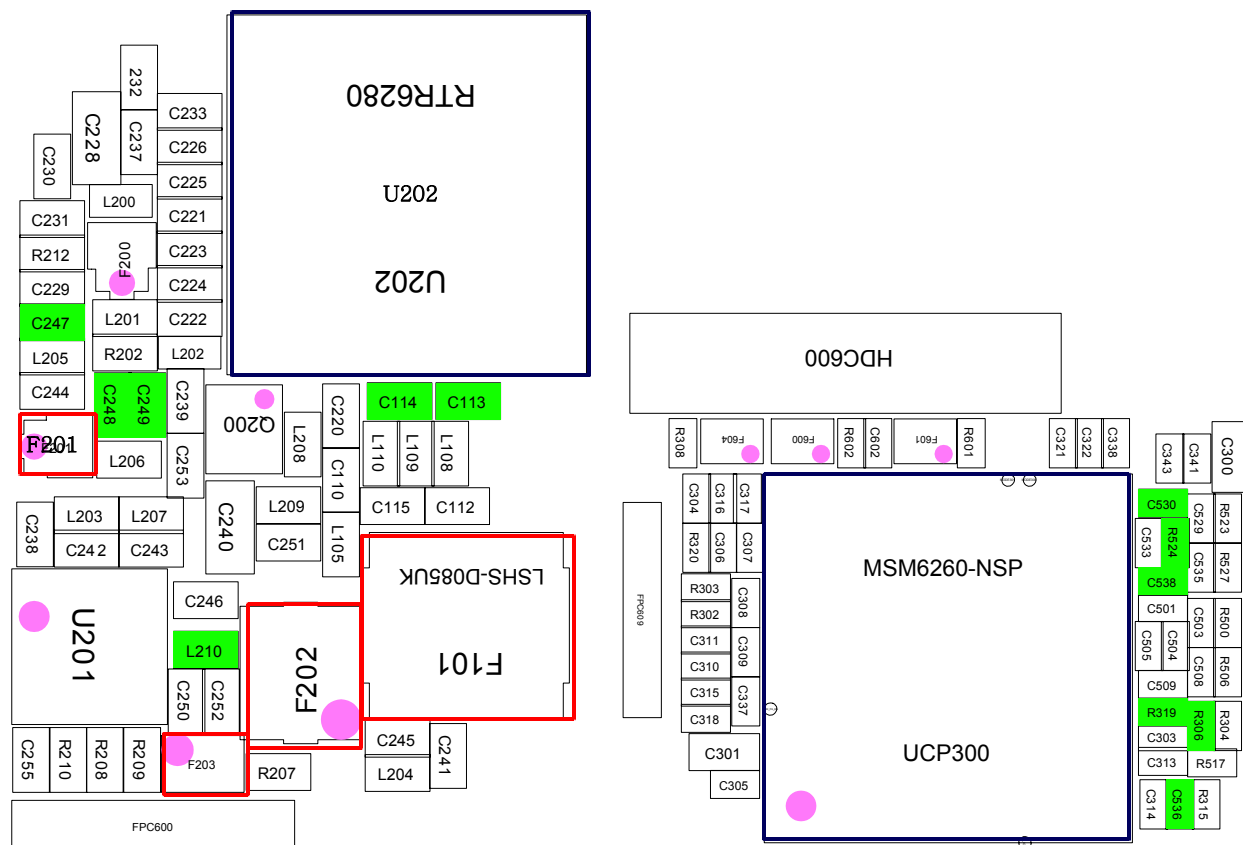
10-17. WCDMA Transmitter

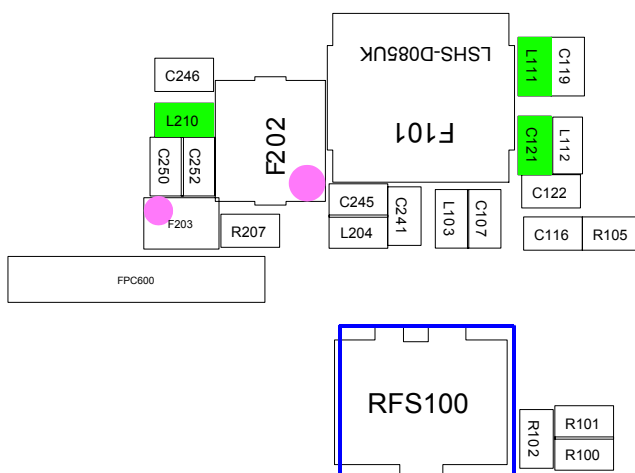




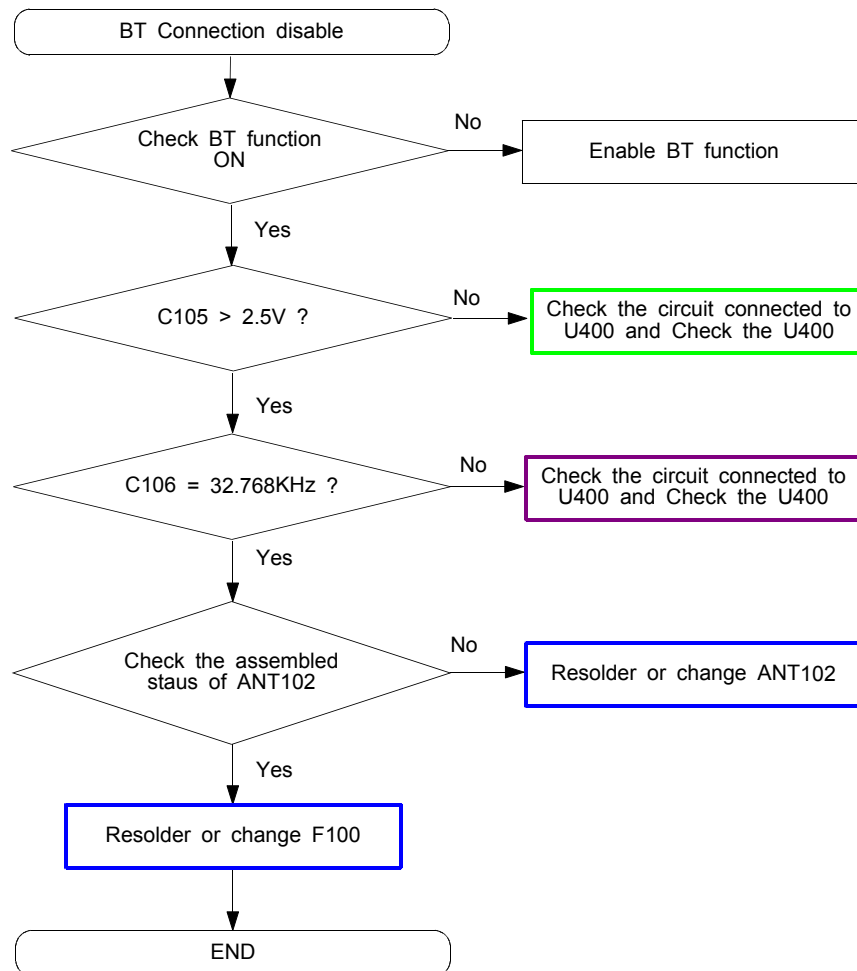
RF TRANSCEIVER

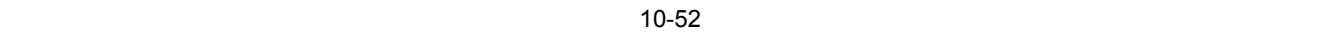






10-18. Bluetooth Part





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(GH39-00889A): 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

7



4-2. Software Downloading

4-2-1. Downloading Binary Files

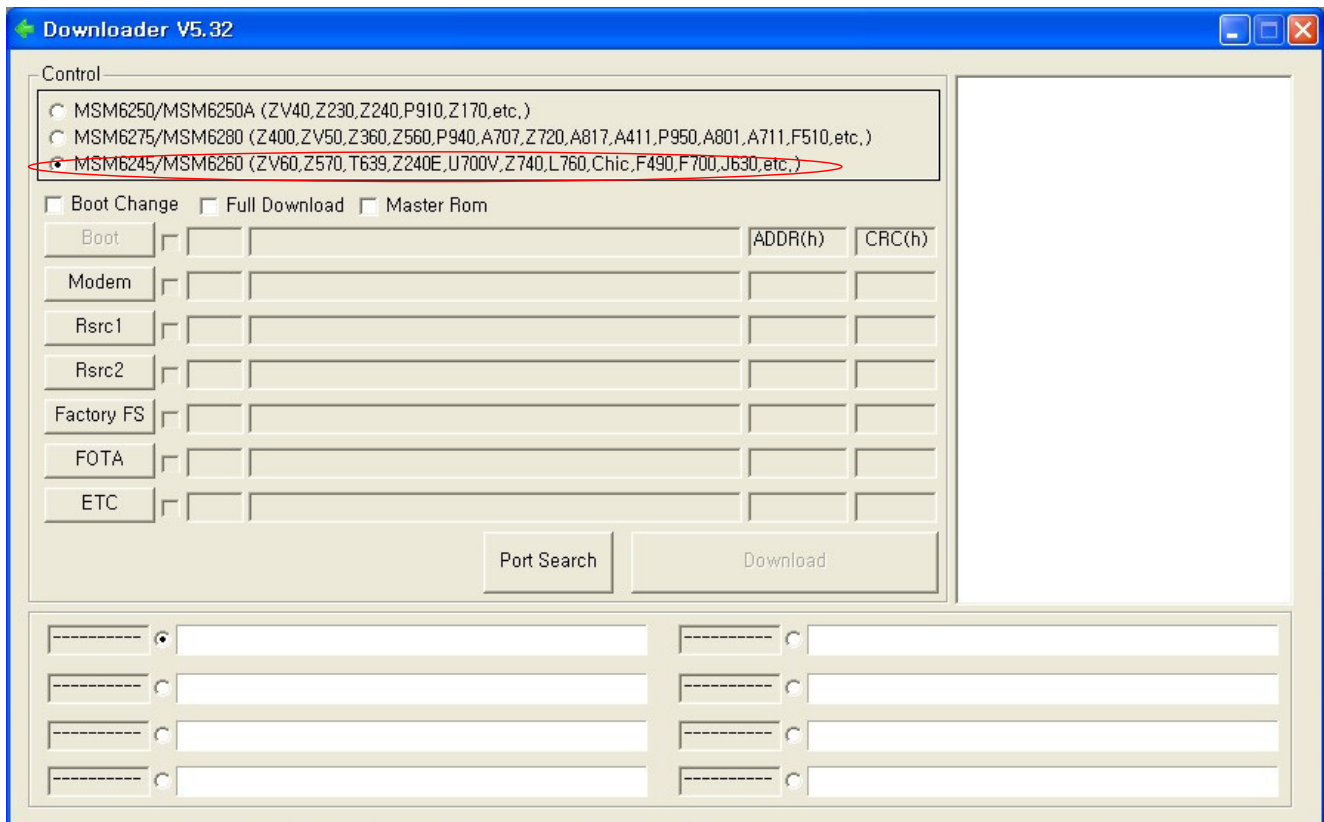
- Four binary files for downloading L770V
 - amss_compressed.bin : Modem binary for communication function and user interface and various application
 - Rsrc_L770_Vodafone.rc1 : Files need for each application
 - Rsrc2_L770V(Low).rc2 : Power on/off animation
 - FactoryFs_L770_Vodafone.ffs : Default file system to be put into in initial production

4-2-2. Pre-requisite for Downloading

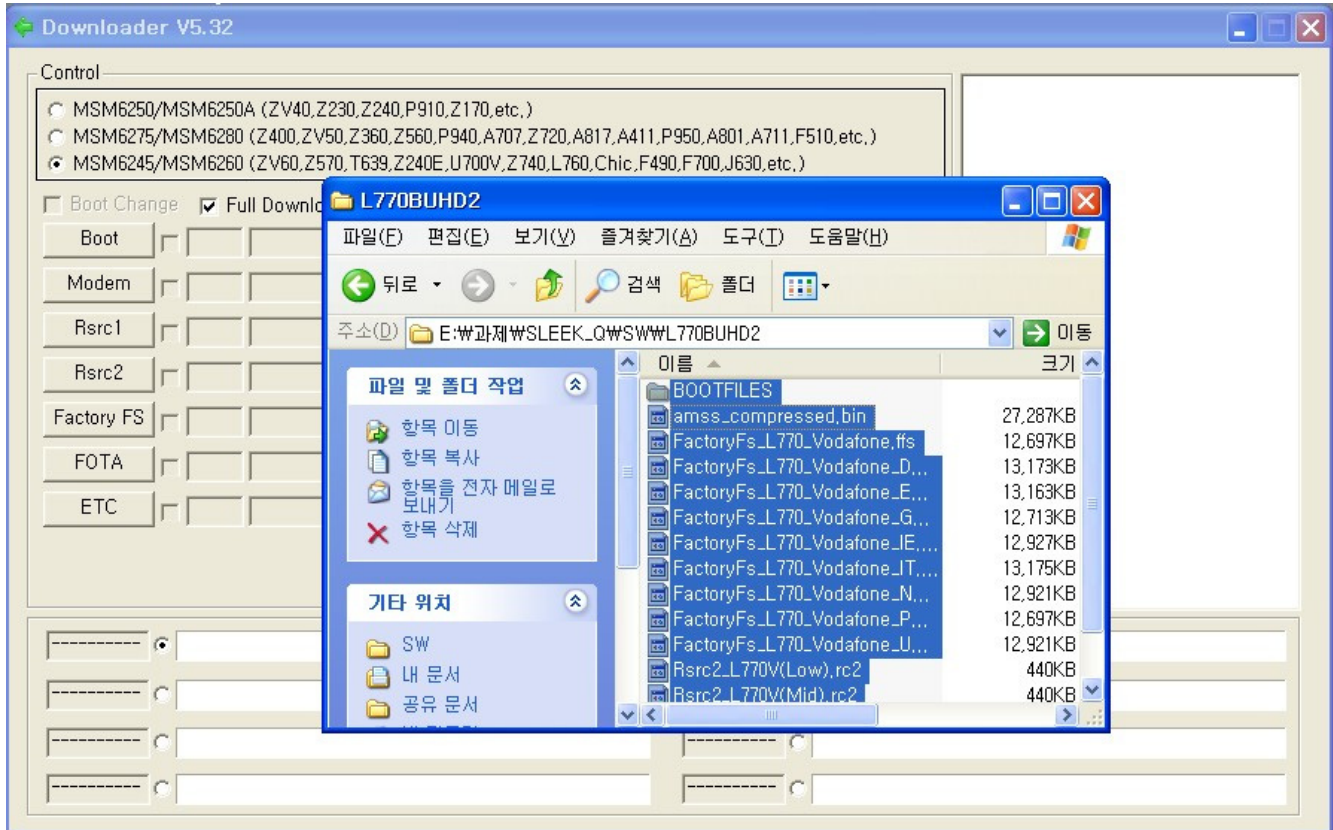
- Downloader Program ([MultiLoader V5.32.exe](#))
- SGH-L770V Mobile Phone
- USB Data Link Cable
- Binary files

4-2-3. S/W Downloader Program

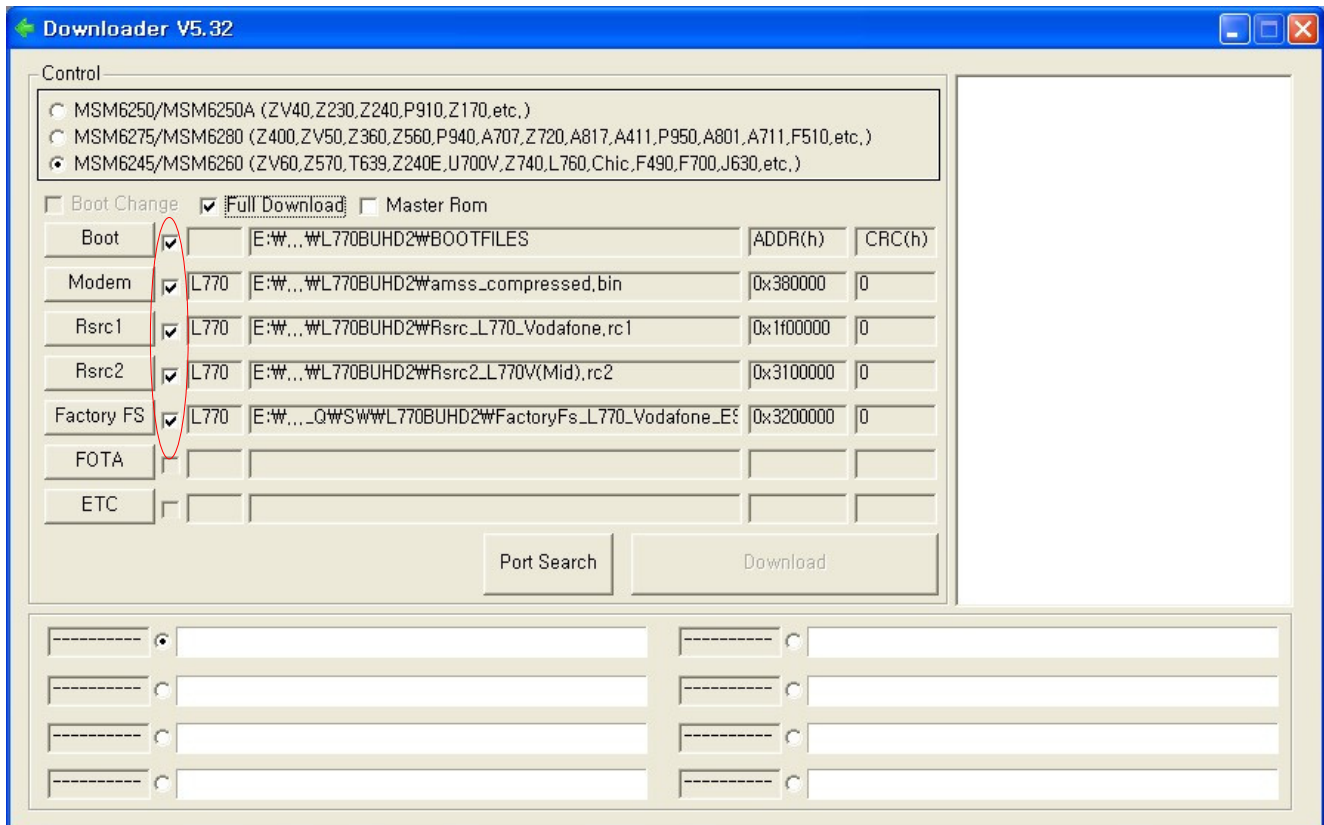
1. Boot the L770V by pressing 'power ON' + 'number 9' at the same time.
If you do properly, you can see the following message on Main LCD "Download"
2. Load the binary download program by executing the "**MultiLoader V5.32.exe**".
And the Check the **MSM6245/MSM6260**



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

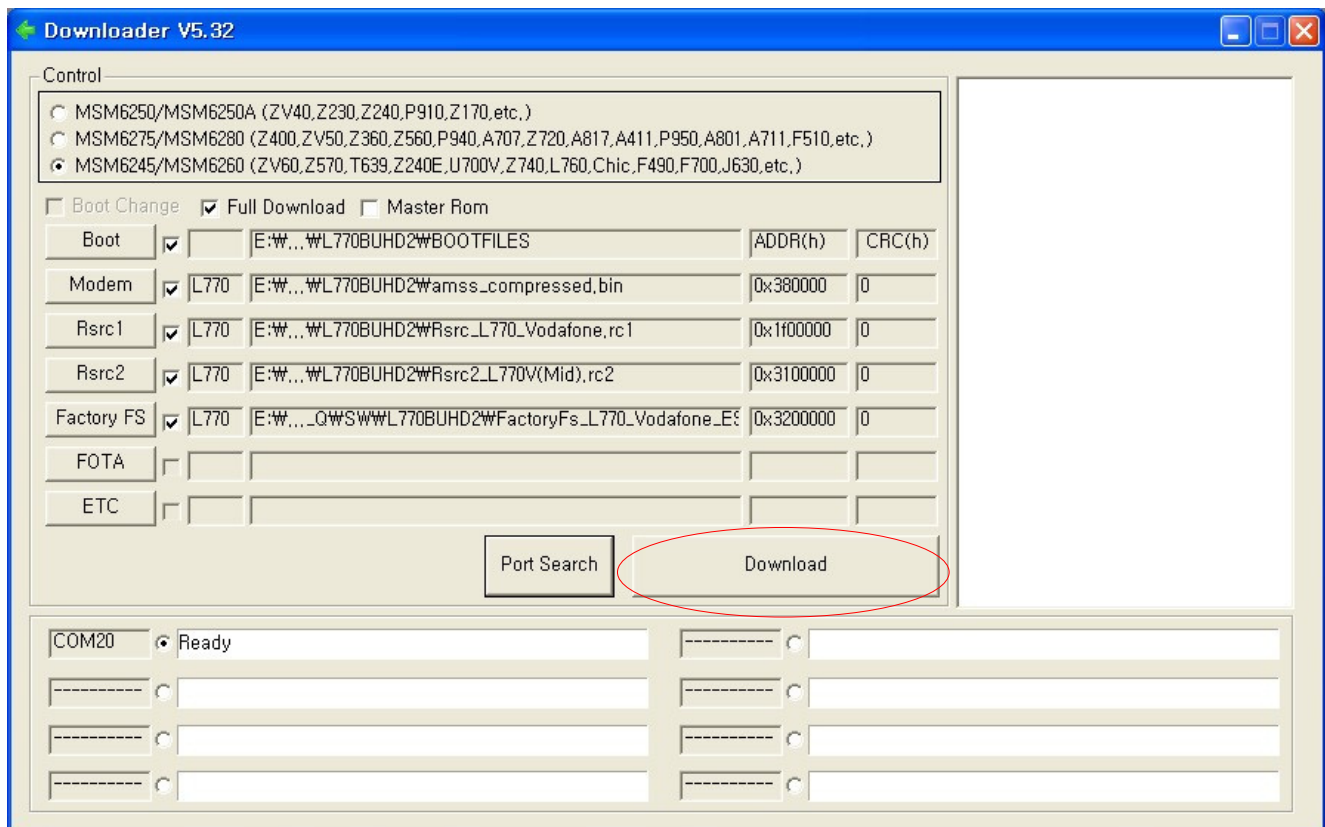


4. Select the check box what you want to download.



* Up to eight ports are supported.

5. Now press the button 'DownLoad'.

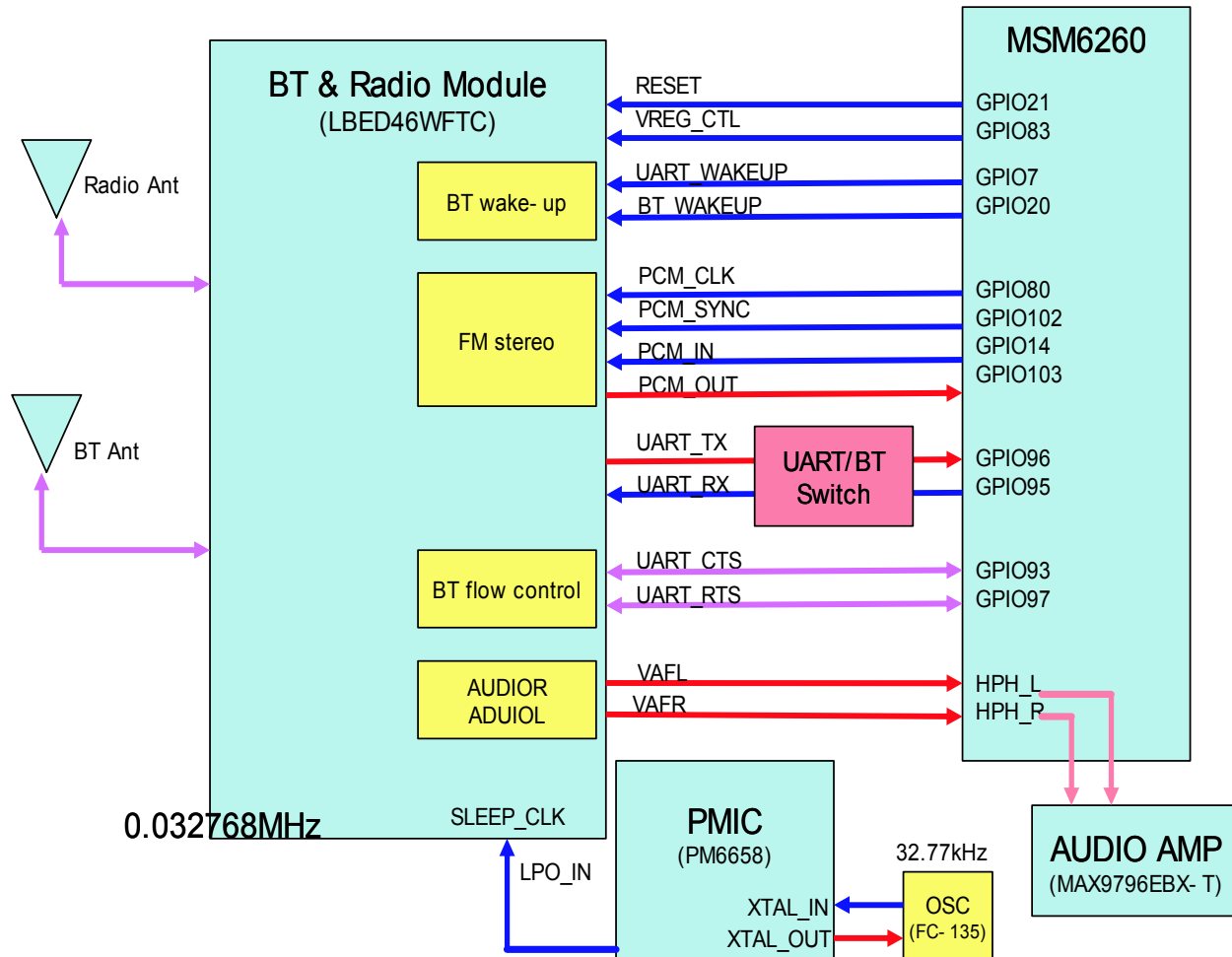


6. When downloading is complete, UE reboot automatically.
 -If there is difference in FactoryFS.bin, UE will format file system automatically.

8. Block Diagrams

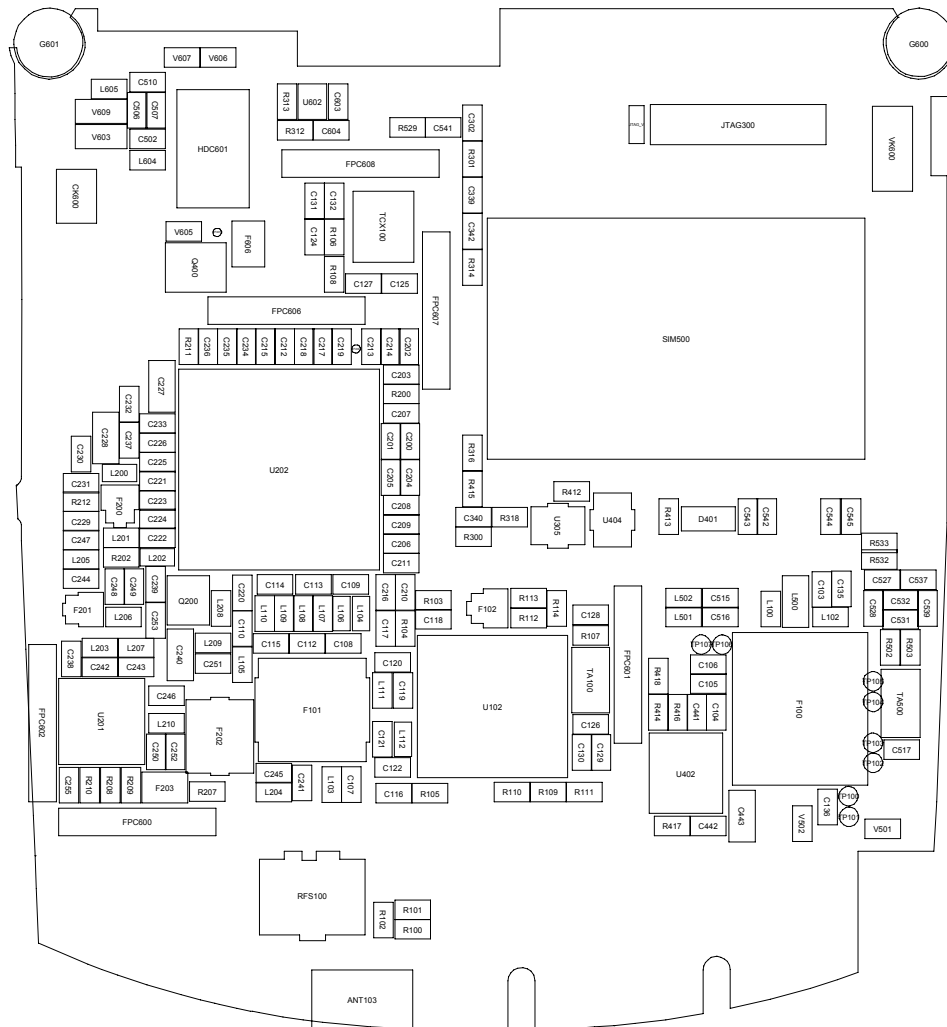
8-1. RF Block Diagram

L770V BLUETOOTH & Radio block diagram

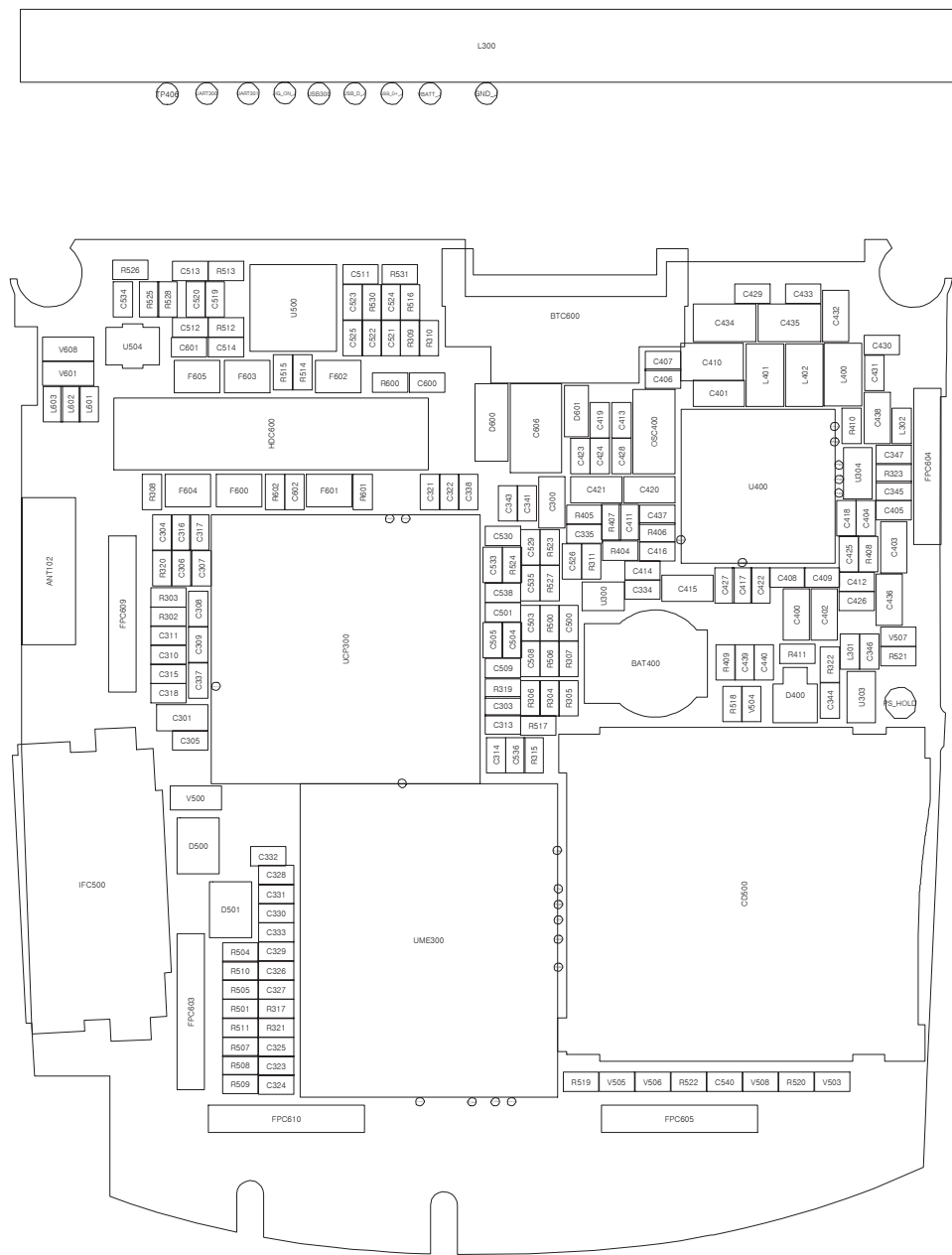


9. PCB Diagrams

9-1. Main top



9-2. Main bottom



3. Product Function

Main Function

- Bluetooth Class 2
- Extended GSM 900MHz & DCS1800MHz & PCS1900MHz & WCDMA 2100MHz Quad Band
- Slide type
- Color LCD (2.1" QVGA 37.04×51.62×2.05t_max)
- Built-in 2 Mega pixel and QCIF 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 disassembling charger.
- Don't use as you pleases after change other material than replacement registered on SEC
System.
Otherwise engineer in charge isn't charged with problem that you don't keep this rules.

1-2. ESD(Electrostatically Sensitive Devices) Precaution

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

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

6. MAIN Electrical Parts List

0403-001547	D600	DIODE-ZENER
0404-001172	D401	DIODE-SCHOTTKY
0406-001201	D601	DIODE-TVS
0406-001201	V601	DIODE-TVS
0406-001201	V603	DIODE-TVS
0406-001201	V608	DIODE-TVS
0406-001201	V609	DIODE-TVS
0406-001203	V500	DIODE-TVS
0406-001208	D500	DIODE-TVS
0406-001208	D501	DIODE-TVS
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
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
1405-001082	V606	VARISTOR
1405-001082	V607	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	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
2007-000149	R200	R-CHIP
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	R517	R-CHIP
2007-000170	R300	R-CHIP
2007-000171	C103	R-CHIP
2007-000171	L100	R-CHIP
2007-000171	R103	R-CHIP

2007-000171	R104	R-CHIP
2007-000171	R105	R-CHIP
2007-000171	R107	R-CHIP
2007-000171	R502	R-CHIP
2007-000171	R503	R-CHIP
2007-000171	R512	R-CHIP
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2007-000171	R532	R-CHIP
2007-000171	R533	R-CHIP
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2007-000173	R321	R-CHIP
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2007-000758	R322	R-CHIP
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2007-001298	R207	R-CHIP
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2007-001298	R406	R-CHIP
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2007-001307	R113	R-CHIP
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2007-001319	R507	R-CHIP
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2007-002965	R528	R-CHIP
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2007-007014	R310	R-CHIP
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2007-007133	R111	R-CHIP
2007-007193	R212	R-CHIP
2007-007306	R106	R-CHIP
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2007-007306	R210	R-CHIP
2007-007316	R416	R-CHIP
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2007-007317	R523	R-CHIP
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2007-007318	R202	R-CHIP
2007-007318	R418	R-CHIP
2007-007468	R404	R-CHIP
2007-007586	R311	R-CHIP
2007-008298	R211	R-CHIP
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2203-000643	C208	C-CER,CHIP
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2203-006048	C303	C-CER,CHIP
2203-006048	C304	C-CER,CHIP
2203-006048	C309	C-CER,CHIP
2203-006048	C315	C-CER,CHIP

2203-006048	C316	C-CER,CHIP
2203-006257	C603	C-CER,CHIP
2203-006260	C521	C-CER,CHIP
2203-006260	C522	C-CER,CHIP
2203-006324	C403	C-CER,CHIP
2203-006324	C438	C-CER,CHIP
2203-006348	C436	C-CER,CHIP
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2203-006562	C310	C-CER,CHIP
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2203-006562	C321	C-CER,CHIP
2203-006562	C322	C-CER,CHIP
2203-006562	C412	C-CER,CHIP
2203-006562	C441	C-CER,CHIP
2203-006562	C442	C-CER,CHIP
2203-006562	C511	C-CER,CHIP
2203-006562	C517	C-CER,CHIP
2203-006562	C523	C-CER,CHIP
2203-006562	C524	C-CER,CHIP
2203-006562	C525	C-CER,CHIP
2203-006562	C534	C-CER,CHIP
2203-006562	C545	C-CER,CHIP
2203-006562	C600	C-CER,CHIP
2203-006562	C604	C-CER,CHIP
2203-006681	C202	C-CER,CHIP
2203-006681	C204	C-CER,CHIP
2203-006681	C206	C-CER,CHIP
2203-006681	C211	C-CER,CHIP
2203-006681	C212	C-CER,CHIP
2203-006681	C213	C-CER,CHIP
2203-006681	C218	C-CER,CHIP
2203-006681	C233	C-CER,CHIP
2203-006681	C236	C-CER,CHIP

2203-006681	C307	C-CER,CHIP
2203-006681	C324	C-CER,CHIP
2203-006681	C334	C-CER,CHIP
2203-006681	C335	C-CER,CHIP
2203-006681	C339	C-CER,CHIP
2203-006681	C344	C-CER,CHIP
2203-006681	C345	C-CER,CHIP
2203-006681	C404	C-CER,CHIP
2203-006824	C227	C-CER,CHIP
2203-006824	C228	C-CER,CHIP
2203-006824	C240	C-CER,CHIP
2203-006824	C301	C-CER,CHIP
2203-006824	C400	C-CER,CHIP
2203-006824	C401	C-CER,CHIP
2203-006824	C402	C-CER,CHIP
2203-006824	C415	C-CER,CHIP
2203-006824	C420	C-CER,CHIP
2203-006824	C421	C-CER,CHIP
2203-006824	C432	C-CER,CHIP
2203-006838	C414	C-CER,CHIP
2203-006838	C416	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
2203-006872	C419	C-CER,CHIP
2203-006872	C422	C-CER,CHIP
2203-006872	C423	C-CER,CHIP
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
2703-002178	L500	INDUCTOR-SMD
2703-002208	L209	INDUCTOR-SMD
2703-002267	L109	INDUCTOR-SMD
2703-002267	L110	INDUCTOR-SMD
2703-002268	L204	INDUCTOR-SMD
2703-002268	R102	INDUCTOR-SMD
2703-002281	L107	INDUCTOR-SMD
2703-002281	L108	INDUCTOR-SMD
2703-002309	L604	INDUCTOR-SMD
2703-002309	L605	INDUCTOR-SMD
2703-002313	L501	INDUCTOR-SMD
2703-002313	L502	INDUCTOR-SMD
2703-002367	L205	INDUCTOR-SMD
2703-002368	C250	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	L601	INDUCTOR-SMD
2703-003205	L602	INDUCTOR-SMD
2703-003205	L603	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
2901-001409	F606	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
3705-001358	RFS100	CONNECTOR-COAXIAL
3709-001448	CD500	CONNECTOR-CARD EDGE
3709-001487	SIM500	CONNECTOR-CARD EDGE
3710-002523	IFC500	SOCKET-INTERFACE
3711-006329	BTC600	HEADER-BATTERY
3711-006521	HDC600	CONNECTOR-HEADER
3711-006782	HDC601	HEADER-BOARD TO BOARD
4202-001435	ANT102	ANTENNA-CHIP
4302-001180	BAT400	BATTERY-LI(2ND)
4709-001399	F203	COUPLER-DIRECTION
4709-001546	F100	BLUETOOTH MODULE
GH70-02640A	FPC600	ICT SHIELD-CAN CLIP
GH70-02640A	FPC601	ICT SHIELD-CAN CLIP
GH70-02640A	FPC602	ICT SHIELD-CAN CLIP
GH70-02640A	FPC603	ICT SHIELD-CAN CLIP
GH70-02640A	FPC604	ICT SHIELD-CAN CLIP
GH70-02640A	FPC605	ICT SHIELD-CAN CLIP
GH70-02640A	FPC606	ICT SHIELD-CAN CLIP
GH70-02640A	FPC607	ICT SHIELD-CAN CLIP
GH70-02640A	FPC608	ICT SHIELD-CAN CLIP
GH70-02640A	FPC609	ICT SHIELD-CAN CLIP
GH70-02640A	FPC610	ICT SHIELD-CAN CLIP

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