

SAMSUNG

GSM TELEPHONE

GT-B5722C

***SERVICE* Manual**

GSM TELEPHONE



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6. MAIN Electrical Parts List

SEC CODE	Design LOC	Description
0403-001688	D300	DIODE-ZENER
0406-001231	ZD409	DIODE-ZENER
0406-001286	ZD407,ZD502,ZD503	DIODE-TVS
0406-001288	D500,D501,ZD400	DIODE-TVS
0406-001288	ZD401,ZD403,ZD404	DIODE-TVS
0406-001288	ZD405,ZD406,ZD500	DIODE-TVS
0406-001288	ZD501,ZD504	DIODE-TVS
0406-001293	D100	DIODE-TVS
0505-001325	Q600	FET
0505-002207	U601	FET
0801-003024	U101	IC
1001-001394	U602	IC
1001-001546	U401,U402,U500	IC
1001-001581	U100,U200,U201,U403	IC
1003-002047	U400	IC
1003-002102	U102,U600	IC
1108-000294	UME300	MEMORY
1201-002947	PAM100,PAM600	IC
1203-005728	PMU300	IC
1203-006002	U502	IC
1203-006025	U404	IC
1204-003022	U105	IC
1205-003288	U450	IC
1205-003517	U104	IC
1205-003662	UCP600	IC-MODEM
1205-003682	U103	IC
1205-003853	UCP200	IC-MODEM
1404-001221	TH200	THERMISTOR
2007-000137	R407	R-CHIP
2007-000138	R100,R102,R200,R209	R-CHIP
2007-000138	R413,R414,R417,R505	R-CHIP
2007-000140	C635,R222	R-CHIP
2007-000141	R218,R219,R305,R401	R-CHIP
2007-000141	R402,R410,R411,R450	R-CHIP
2007-000141	R451	R-CHIP
2007-000143	R425	R-CHIP

SEC CODE	Design LOC	Description
2007-000148	R201,R203,R207,R208	R-CHIP
2007-000148	R212,R301,R308,R406	R-CHIP
2007-000148	R428,R601	R-CHIP
2007-000149	R220	R-CHIP
2007-000152	R309	R-CHIP
2007-000159	R423,R424,R426,R427	R-CHIP
2007-000162	R104,R105,R106	R-CHIP
2007-000164	R412	R-CHIP
2007-000165	R422	R-CHIP
2007-000170	R504,R514	R-CHIP
2007-000172	R101,R511,R512,R605	R-CHIP
2007-000172	R617	R-CHIP
2007-000758	R419	R-CHIP
2007-000932	R604,R606	R-CHIP
2007-001292	R303,R304,R612,R613	R-CHIP
2007-001319	R216,R217	R-CHIP
2007-001333	R108,R211,R213,R415	R-CHIP
2007-001333	R500,R501,R609,R610	R-CHIP
2007-002796	R433	R-CHIP
2007-003015	R103	R-CHIP
2007-003112	R107	R-CHIP
2007-007193	R603	R-CHIP
2007-007573	R300	R-CHIP
2007-007589	R221	R-CHIP
2007-007875	R307	R-CHIP
2007-007981	R306	R-CHIP
2007-008354	R223,R302	R-CHIP
2007-008780	R521	R-CHIP
2203-000254	C135,C212	C-CER,CHIP
2203-000278	C314,C607	C-CER,CHIP
2203-000311	C341	C-CER,CHIP
2203-000386	C118,C333,C336,C407	C-CER,CHIP
2203-000386	C409,C622	C-CER,CHIP
2203-000425	C500,C503,C527,C528	C-CER,CHIP
2203-000438	C132,C137,C203	C-CER,CHIP
2203-000725	C417	C-CER,CHIP

SEC CODE	Design LOC	Description
2203-000812	C113,C123,C143,C144	C-CER,CHIP
2203-000812	C214,C216,C432,C434	C-CER,CHIP
2203-000812	C435,C436,C504,C505	C-CER,CHIP
2203-000812	C623,C628,C639,C640	C-CER,CHIP
2203-000854	C211,C313	C-CER,CHIP
2203-000995	C105,C502,C608	C-CER,CHIP
2203-001153	C408,C410	C-CER,CHIP
2203-001239	C405,C406	C-CER,CHIP
2203-003054	C517,C518,C526	C-CER,CHIP
2203-005050	C111,C112	C-CER,CHIP
2203-005052	C626	C-CER,CHIP
2203-005234	C121,C124,C125,C127	C-CER,CHIP
2203-005281	C115,C116,C122,C145	C-CER,CHIP
2203-005281	C151,C152,C627,C629	C-CER,CHIP
2203-005281	C630,C631	C-CER,CHIP
2203-005288	C133	C-CER,CHIP
2203-005395	C129	C-CER,CHIP
2203-005446	C130,L102	C-CER,CHIP
2203-005483	C221	C-CER,CHIP
2203-005552	C114,C117	C-CER,CHIP
2203-006048	C200,C201,C204,C206	C-CER,CHIP
2203-006048	C208,C213,C312,C319	C-CER,CHIP
2203-006048	C328,C334,C345,C346	C-CER,CHIP
2203-006048	C403,C404,C411,C412	C-CER,CHIP
2203-006048	C418,C419,C450,C501	C-CER,CHIP
2203-006048	C522,C606,C609,C610	C-CER,CHIP
2203-006048	C611,C612,C618	C-CER,CHIP
2203-006123	C205,C207	C-CER,CHIP
2203-006137	C119,C131	C-CER,CHIP
2203-006208	C600,C602	C-CER,CHIP
2203-006260	C104,C138,C139,C323	C-CER,CHIP
2203-006260	C324,C325,C326,C332	C-CER,CHIP
2203-006324	C301	C-CER,CHIP
2203-006348	C342,C508	C-CER,CHIP
2203-006399	C134,C136,C140,C147	C-CER,CHIP
2203-006399	C148,C149,C150,C209	C-CER,CHIP

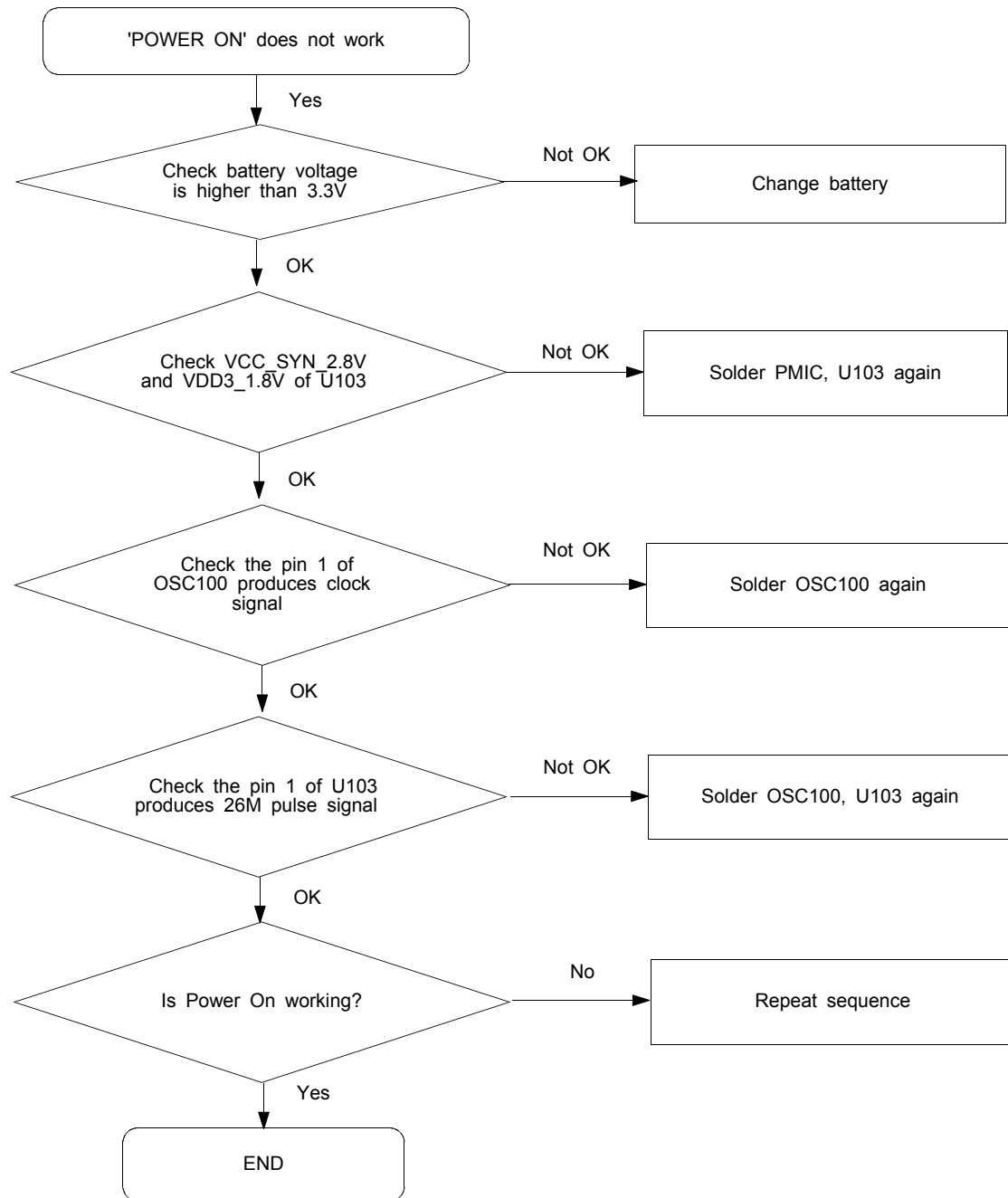
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2203-006399	C318,C321,C330,C429	C-CER,CHIP
2203-006399	C510,C511,C512,C519	C-CER,CHIP
2203-006399	C520,C521,C523,C524	C-CER,CHIP
2203-006399	C601,C603,C604,C605	C-CER,CHIP
2203-006562	C202,C215,C219,C304	C-CER,CHIP
2203-006562	C317,C320,C327,C329	C-CER,CHIP
2203-006562	C335,C416,C433,C451	C-CER,CHIP
2203-006562	C513,C514,C516,C525	C-CER,CHIP
2203-006707	C142	C-CER,CHIP
2203-006824	C339,C340,C615,C616	C-CER,CHIP
2203-006838	C146	C-CER,CHIP
2203-006872	C120,C126	C-CER,CHIP
2203-006890	C331,C343	C-CER,CHIP
2203-007271	C515	C-CER,CHIP
2203-007279	C101,C337,C338,C344	C-CER,CHIP
2203-007279	C420,C421,C617,C636	C-CER,CHIP
2203-007317	C315,C316,C322,C632	C-CER,CHIP
2404-001377	TA400,TA401	C-TA,CHIP
2703-001178	C613	INDUCTOR
2703-001180	L106	INDUCTOR
2703-001708	L108	INDUCTOR
2703-001734	L107	INDUCTOR
2703-001748	L112	INDUCTOR
2703-001751	L110	INDUCTOR
2703-002170	L604,L605	INDUCTOR
2703-002176	L105	INDUCTOR
2703-002200	L103	INDUCTOR
2703-002201	L410,L412	INDUCTOR
2703-002204	L606	INDUCTOR
2703-002208	C102	INDUCTOR
2703-002267	C128,L104	INDUCTOR
2703-002269	L100,L421,L422,L600	INDUCTOR
2703-002281	L111	INDUCTOR
2703-002309	L406,L407,L409,L411	INDUCTOR

SEC CODE	Design LOC	Description
2703-002365	L117	INDUCTOR
2703-002367	C108,C619,L116	INDUCTOR
2703-002543	L109	INDUCTOR
2703-003121	C141	INDUCTOR
2703-003258	L607	INDUCTOR
2703-003260	L300	INDUCTOR
2703-003412	L408	INDUCTOR
2801-004339	OSC300	CRYSTAL
2801-004805	OSC600	CRYSTAL
2801-004893	OSC100	CRYSTAL
2901-001540	F500,F501,F502,F503	FILTER-EMI
2901-001540	F504	FILTER-EMI
2904-001879	F602	FILTER-SAW
2904-001889	F101	FILTER-SAW
2904-001910	F601	FILTER-SAW
2904-001914	F102	FILTER-SAW
2909-001320	F103	FILTER-LC
2911-000132	F600	FILTER-
2911-000144	F100	FILTER-
3301-001158	L601,L603	BEAD
3301-001534	L450	BEAD
3301-001885	L119,L120,L400,L401	BEAD
3301-001885	L402,L403,L505,L506	BEAD
3301-001885	L507,L508,L509,L510	BEAD
3301-001885	L602,R431,R432	BEAD
3705-001503	RFC600,RFS100	CONNECTOR-COAXIAL
3708-002015	HDC400	CONNECTOR-FPC
3709-001456	SIM200	CONNECTOR-CARD EDGE
3709-001593	CD400	CONNECTOR-CARD EDGE
3710-002683	IFC500	SOCKET
3711-005966	HEA502	HEADER
3711-006084	BTC300	HEADER-BATTERY
3711-006865	HEA500	HEADER
4202-001463	ANT102	ANTENNA-CHIP
4302-001180	BAT300	BATTERY
GH70-03349A	SC500,SC501,SC502,SC503, SC504,SC505,SC506	CLIP

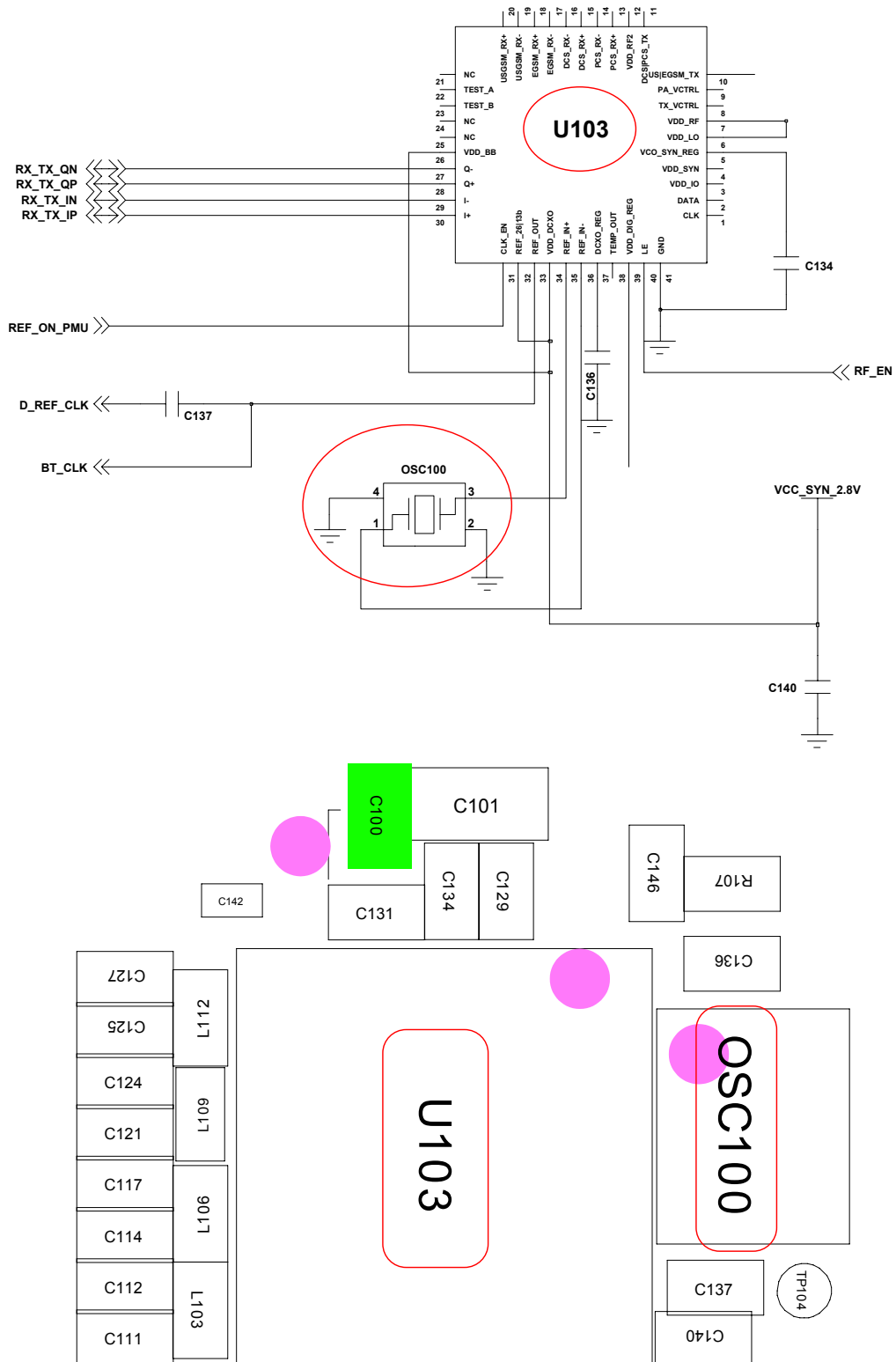
Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

9. Flow Chart of Troubleshooting

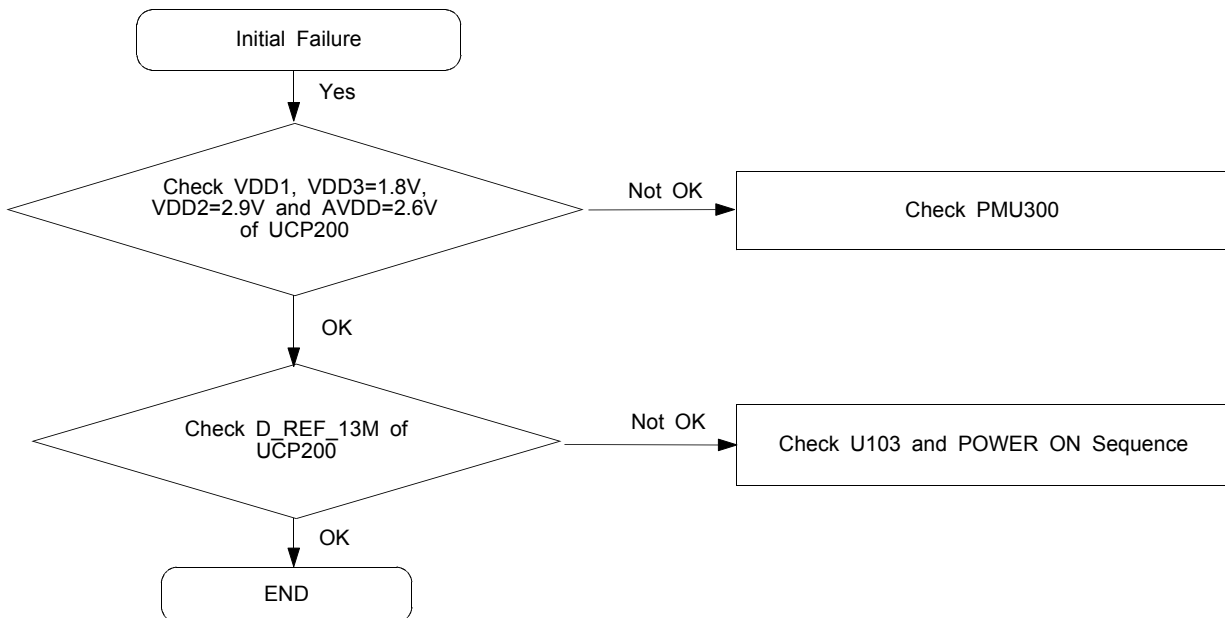
9-1. Power On

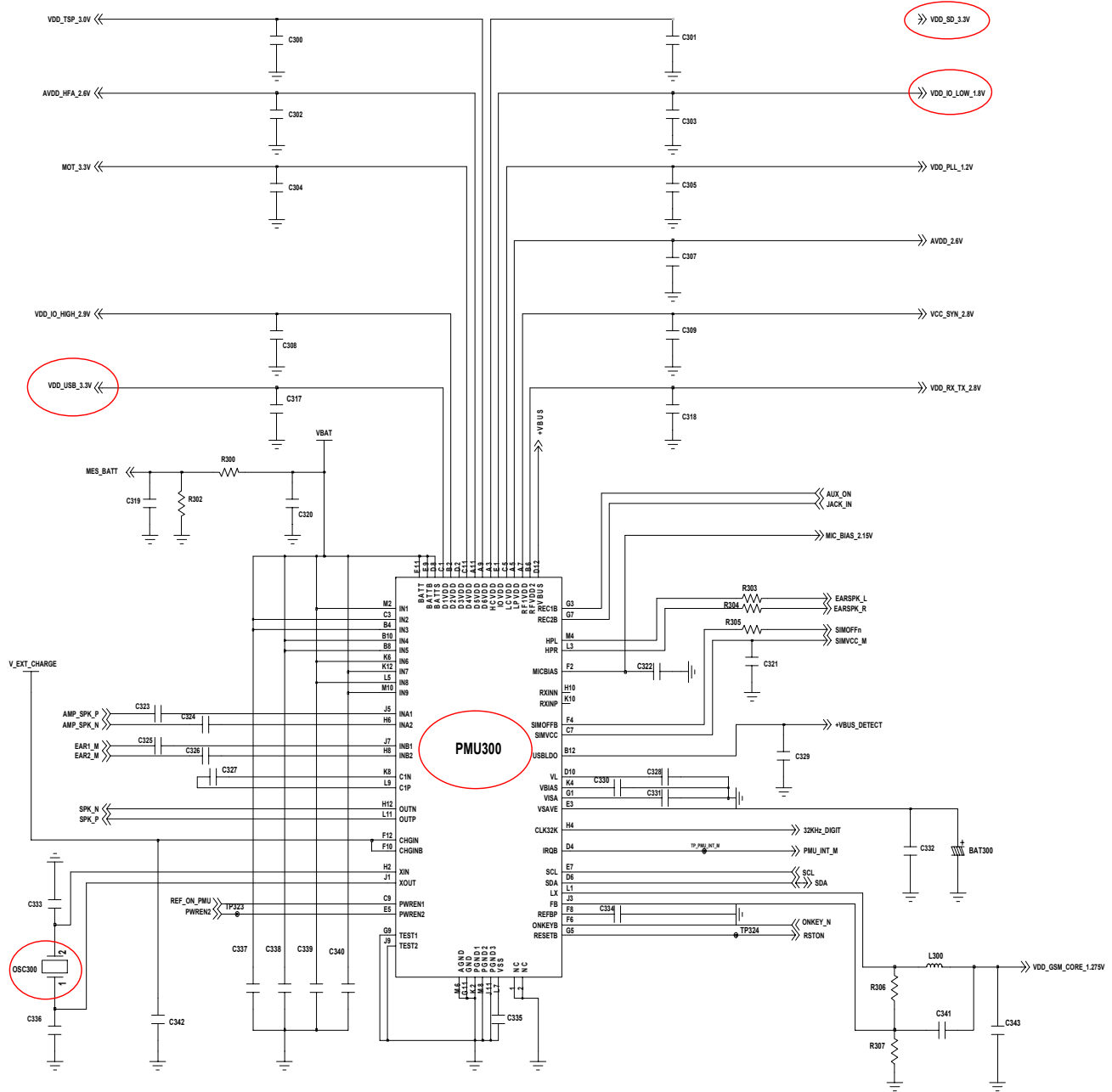


Power On

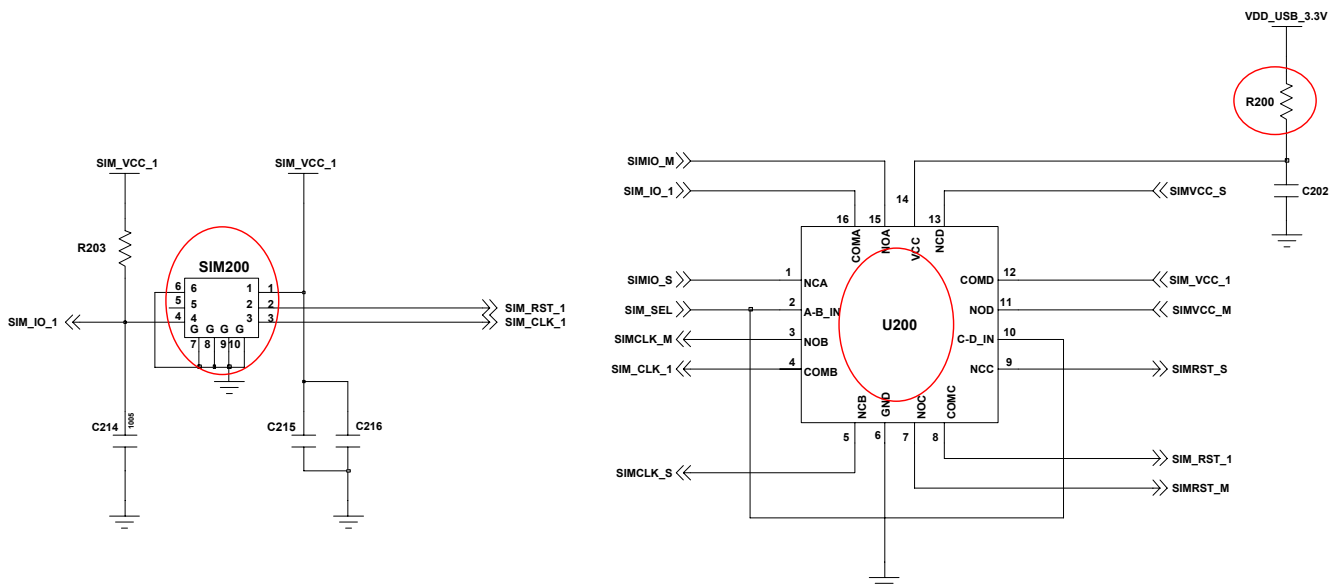
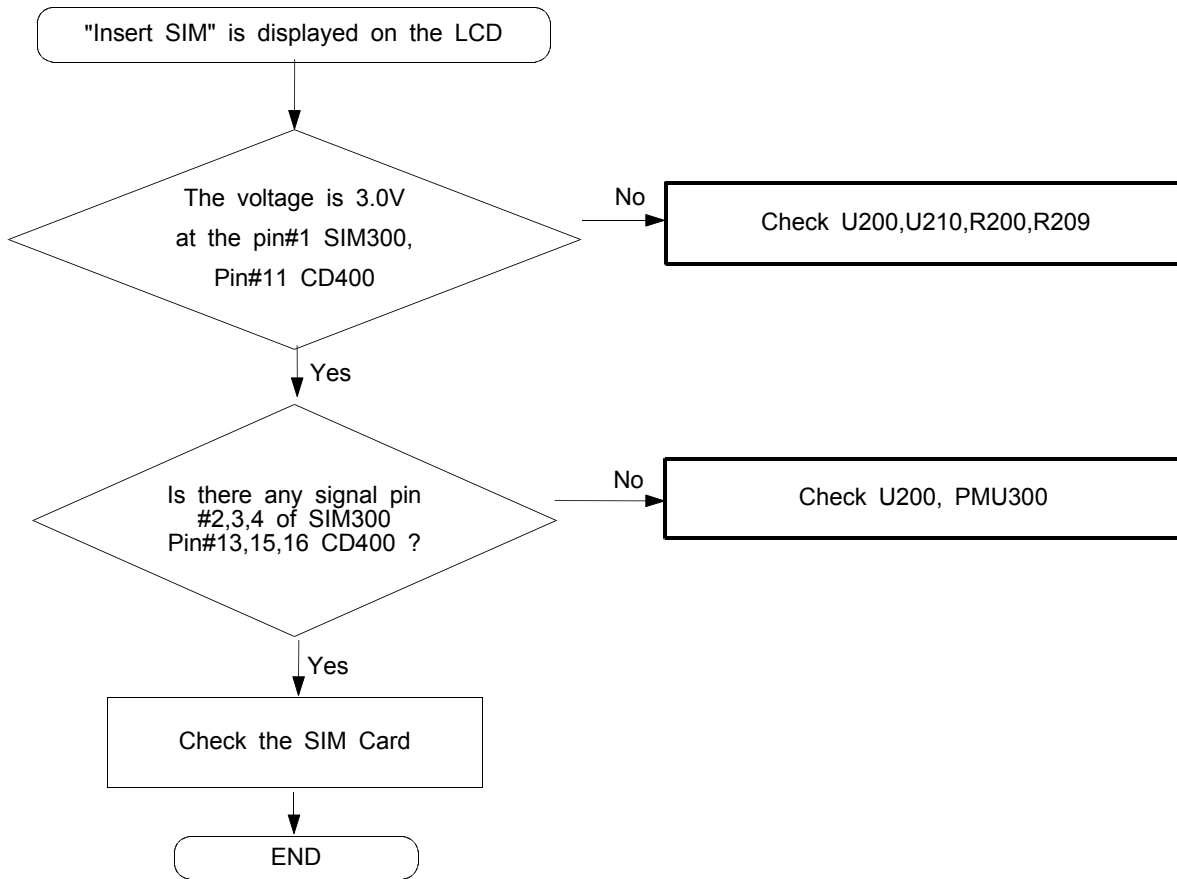


9-2. Initial

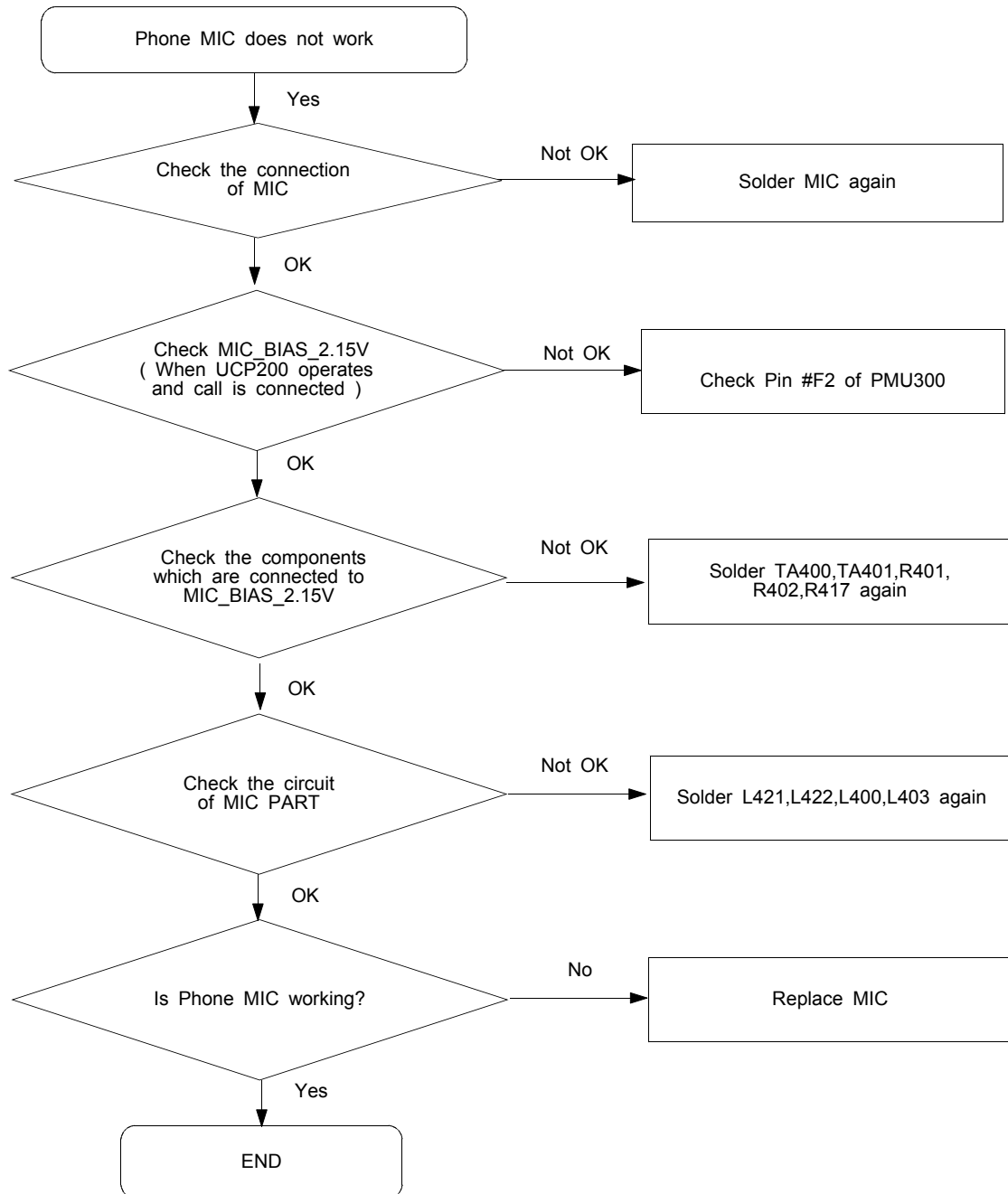


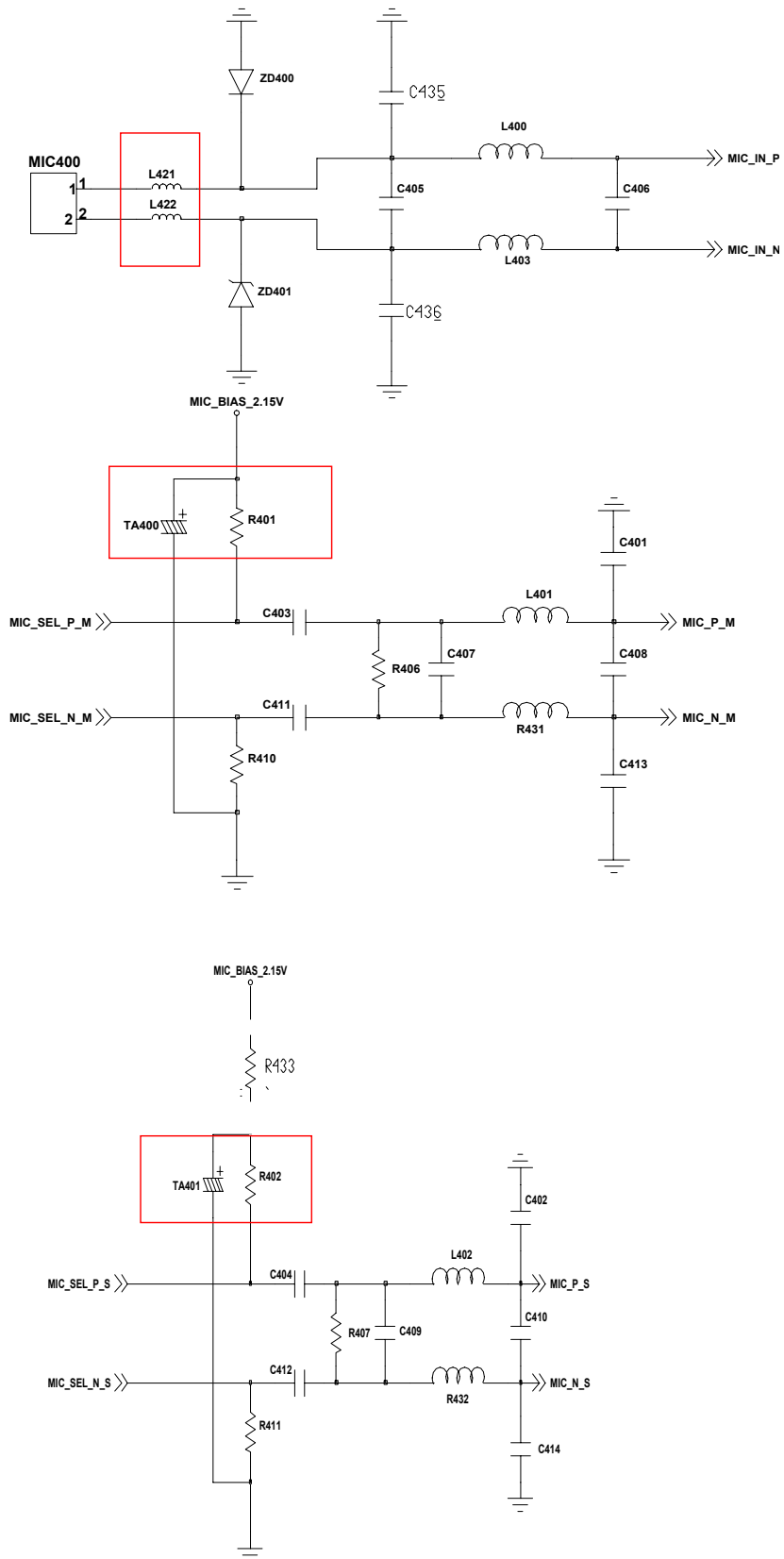


9-3. SIM Part

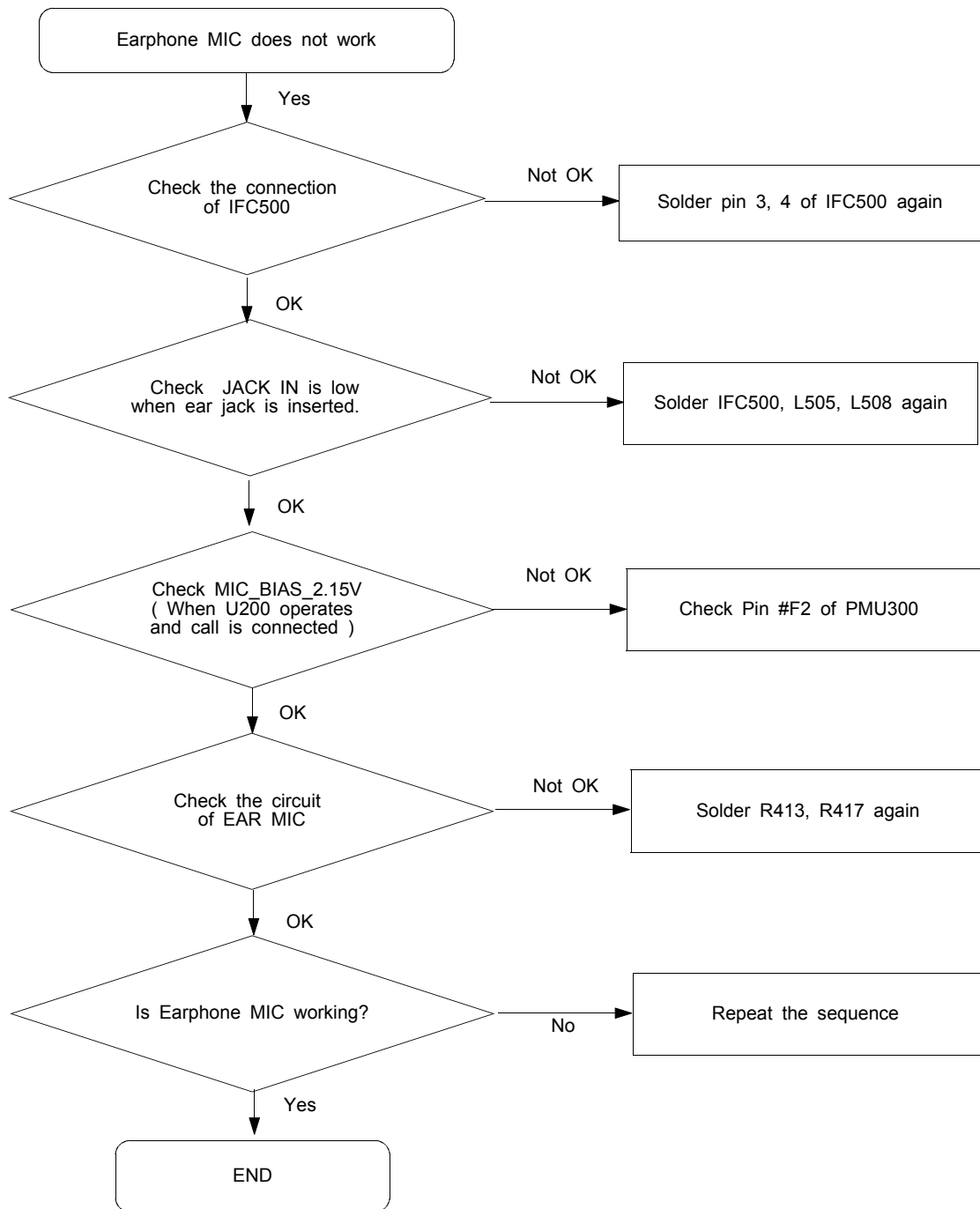


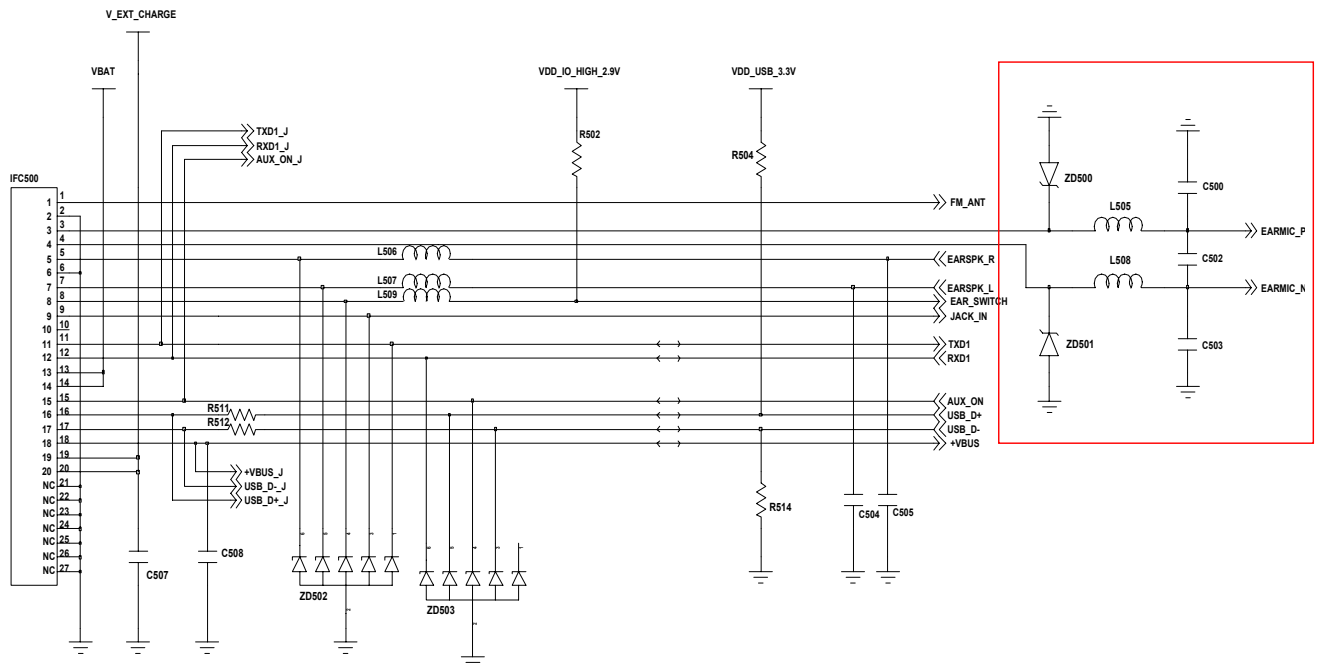
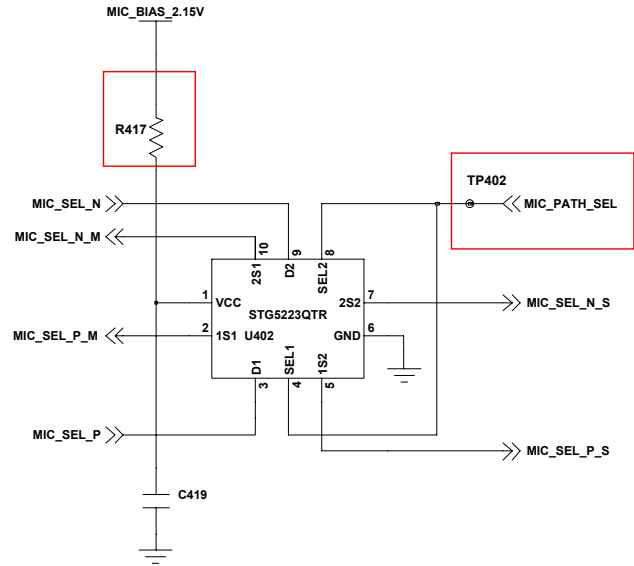
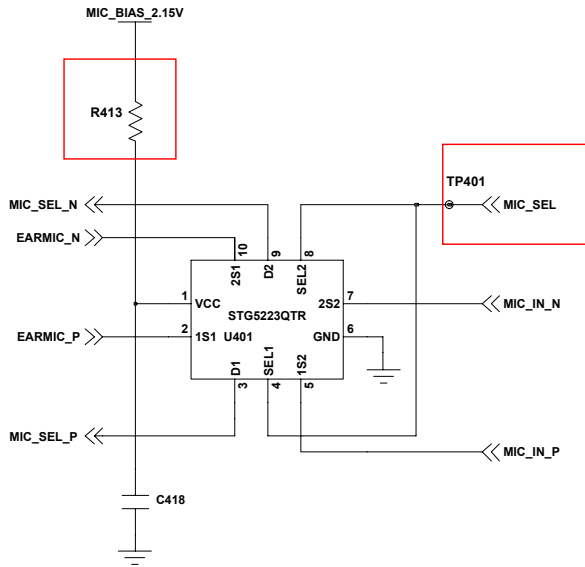
9-4. Microphone Part - Phone MIC



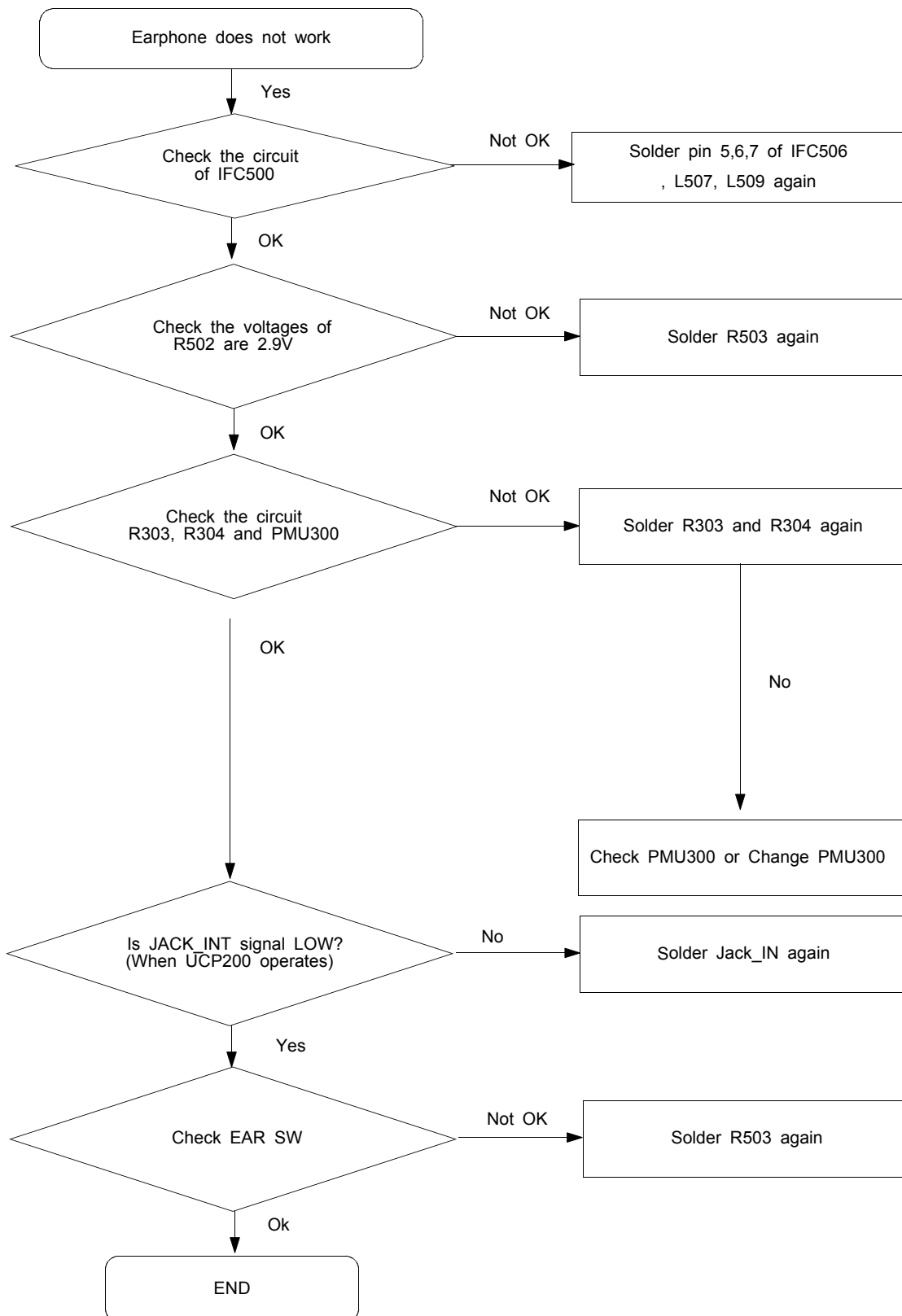


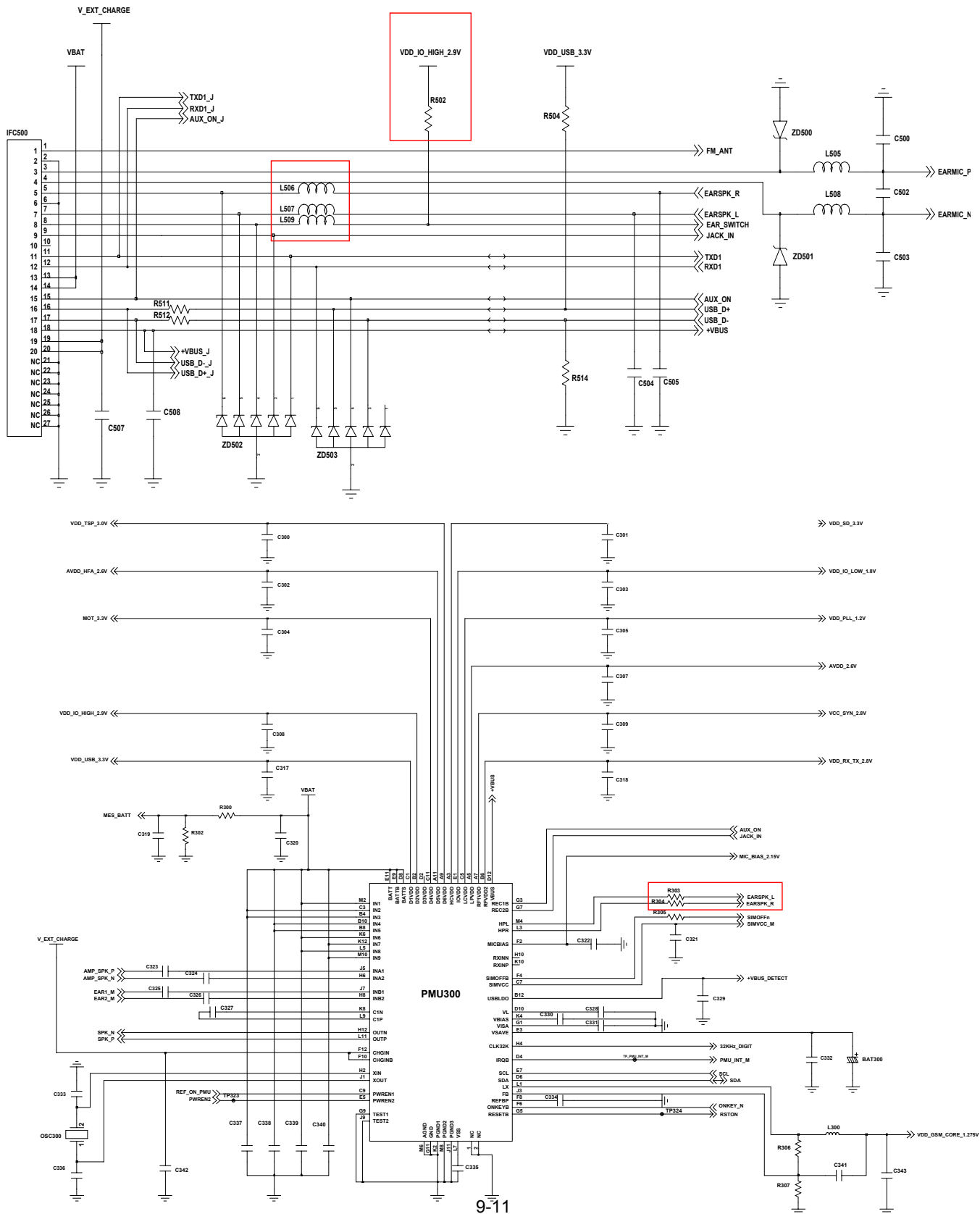
9-5. Microphone Part - Earphone MIC



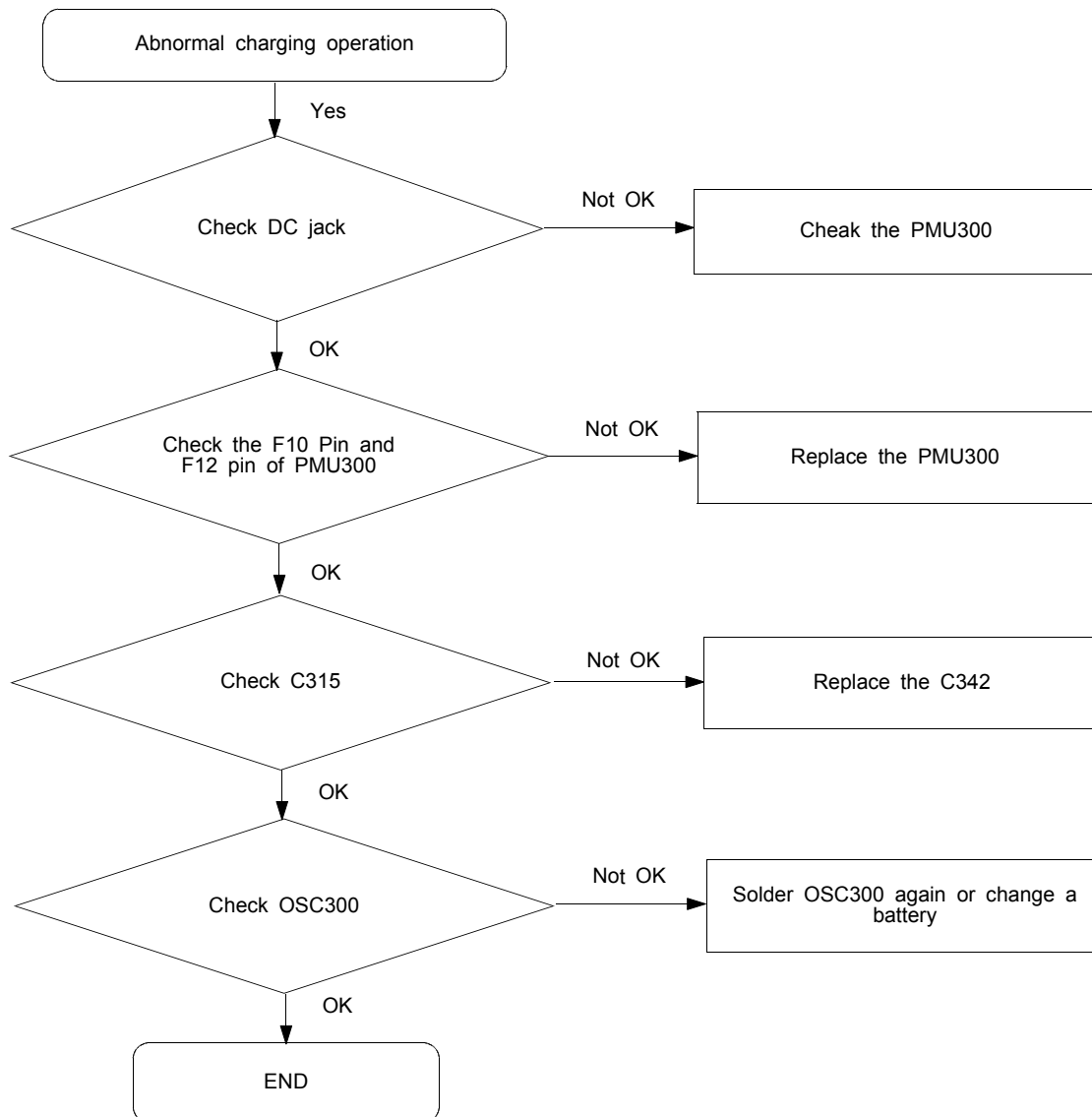


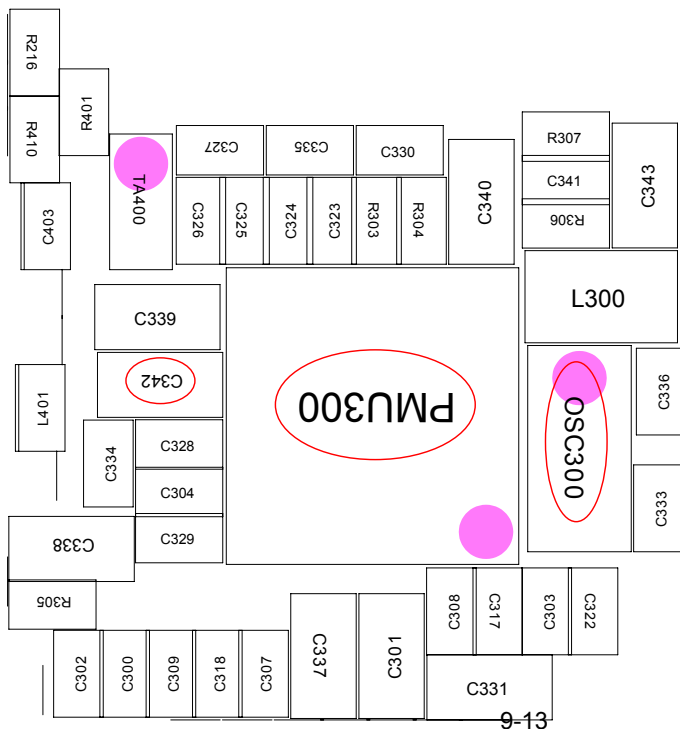
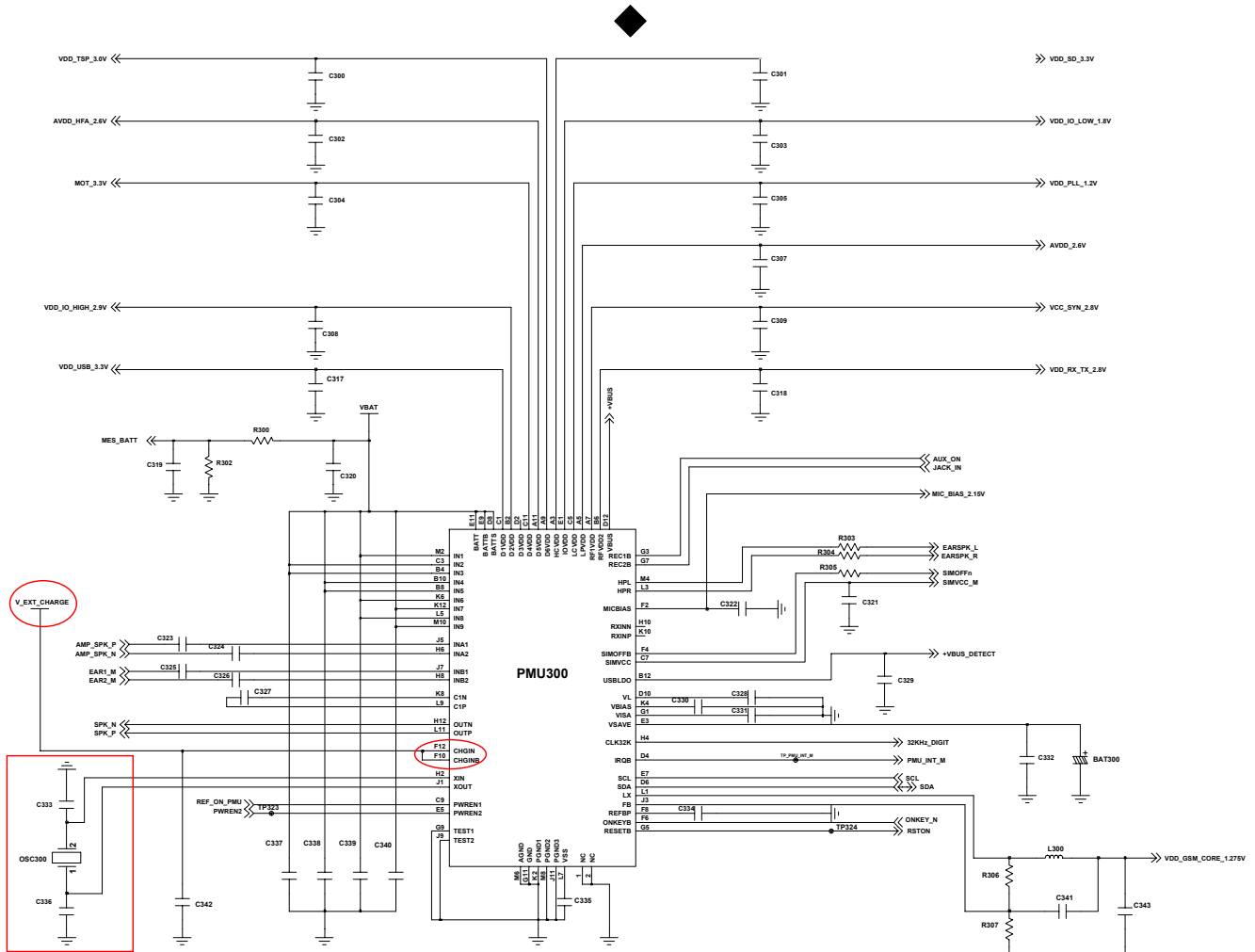
9-6. Earphone Part



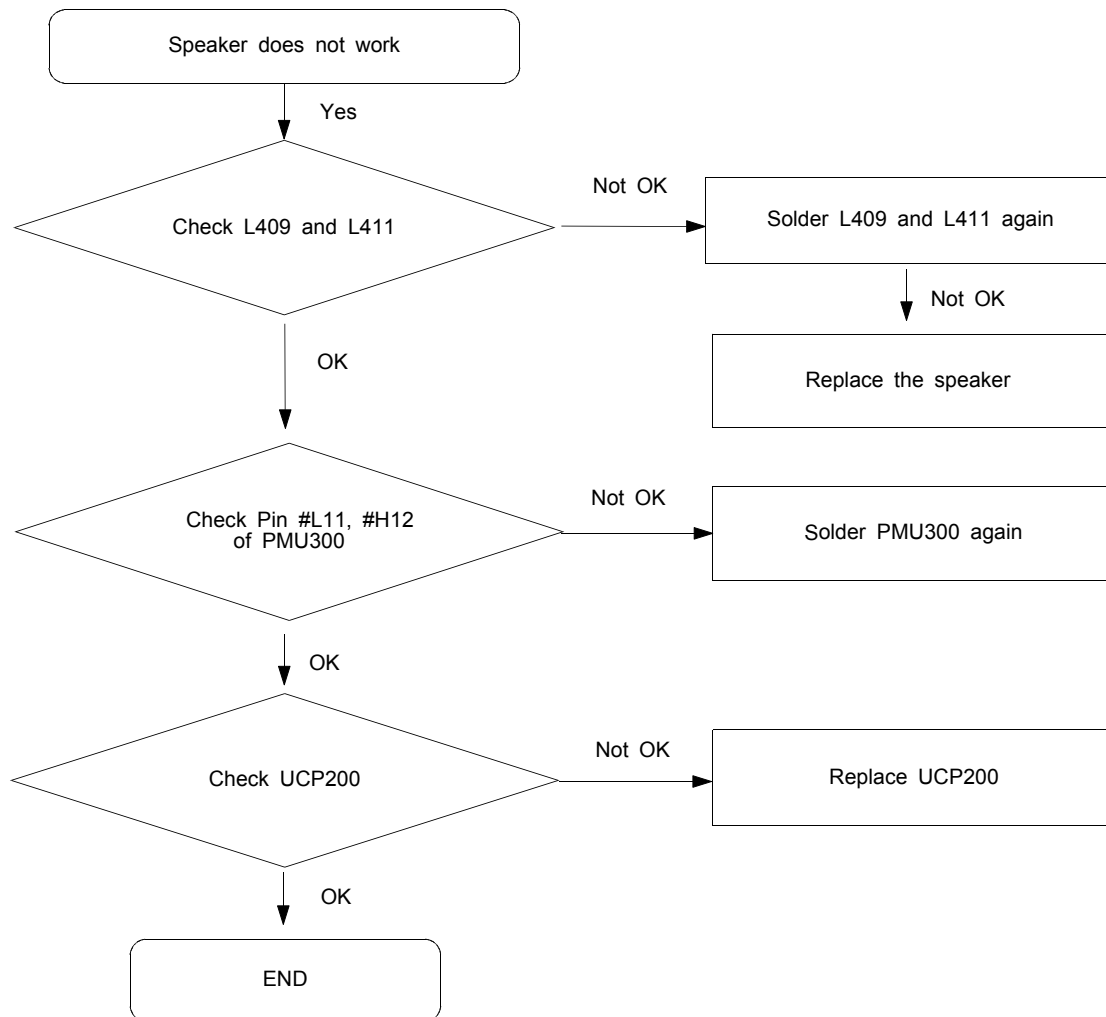


9-7. Charging Part

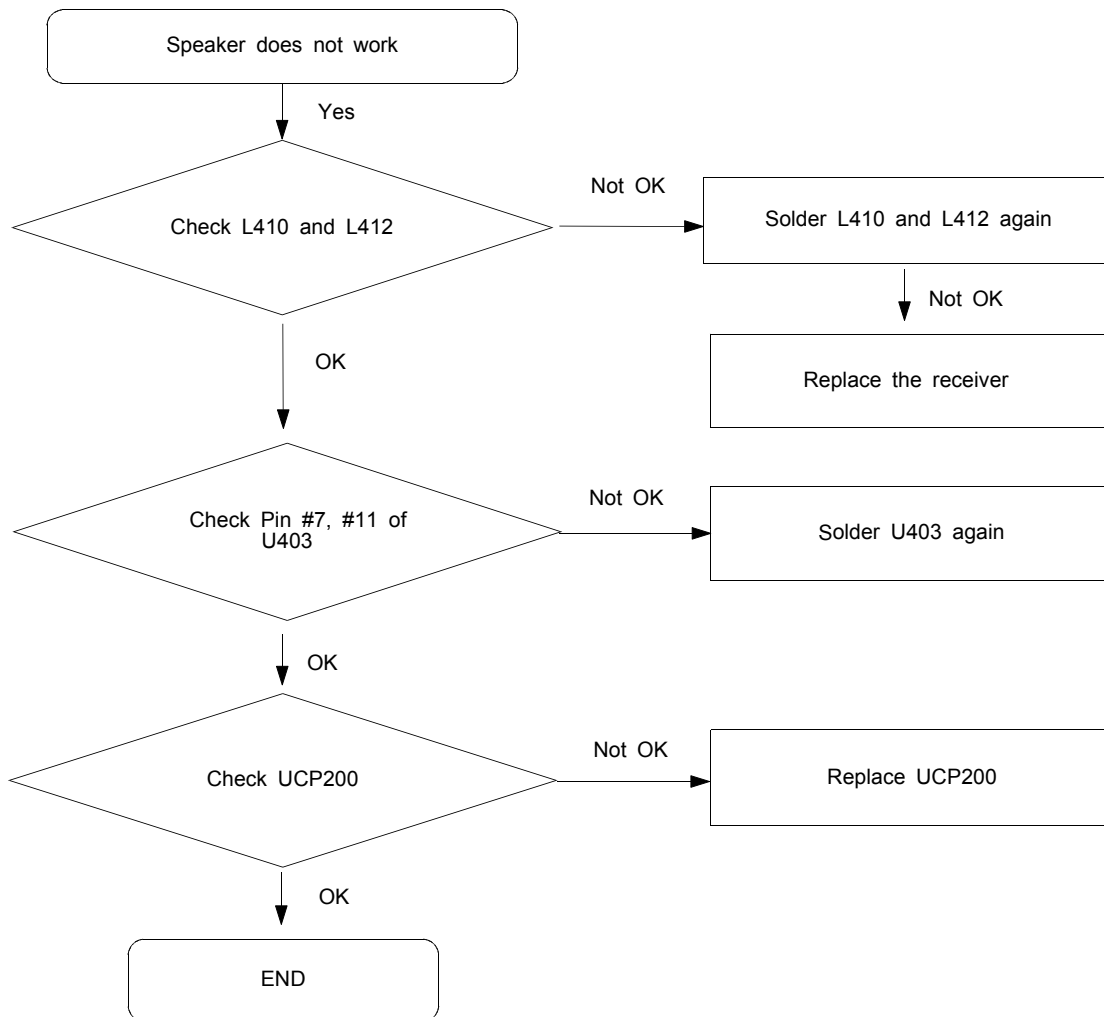


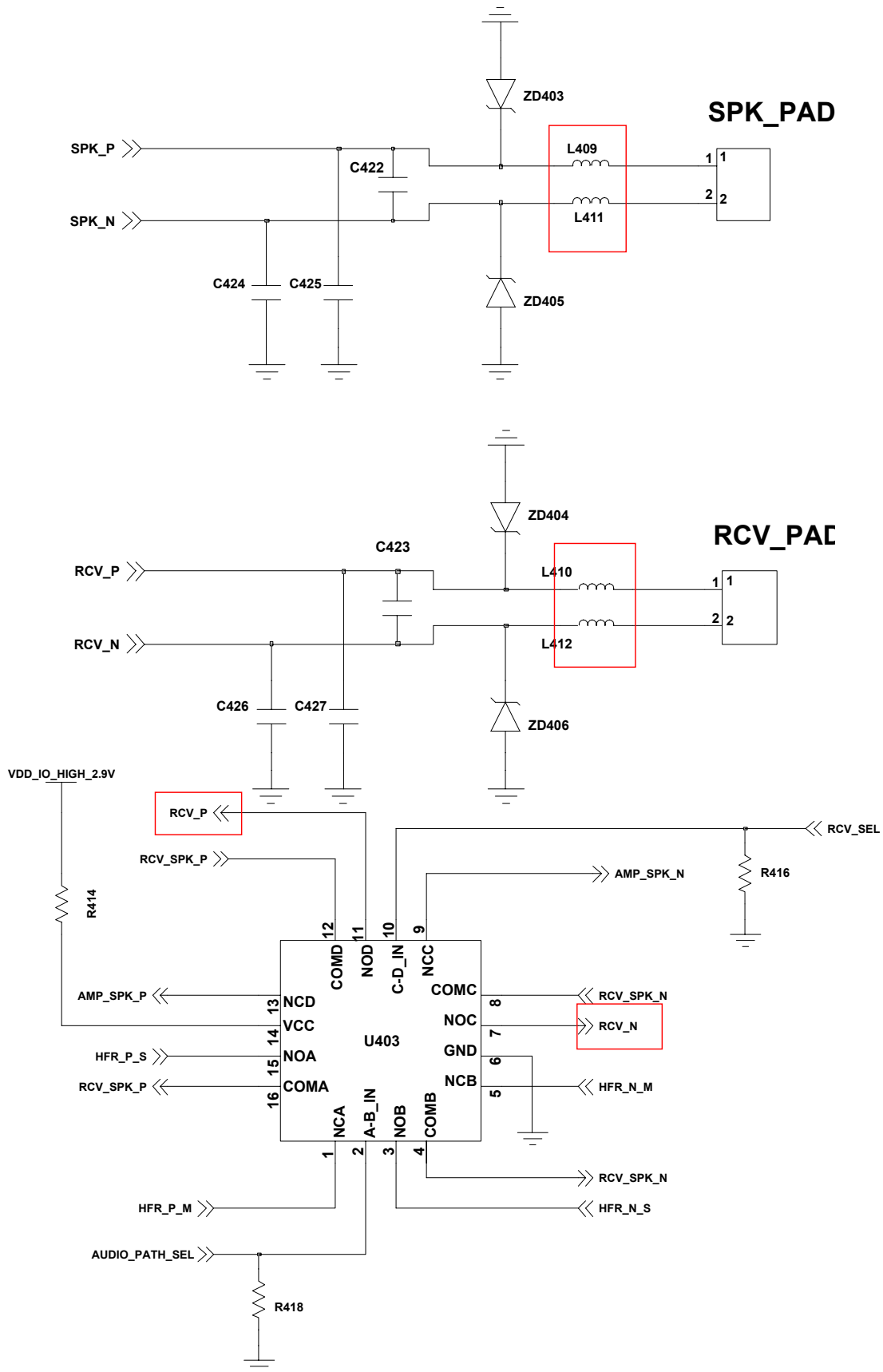


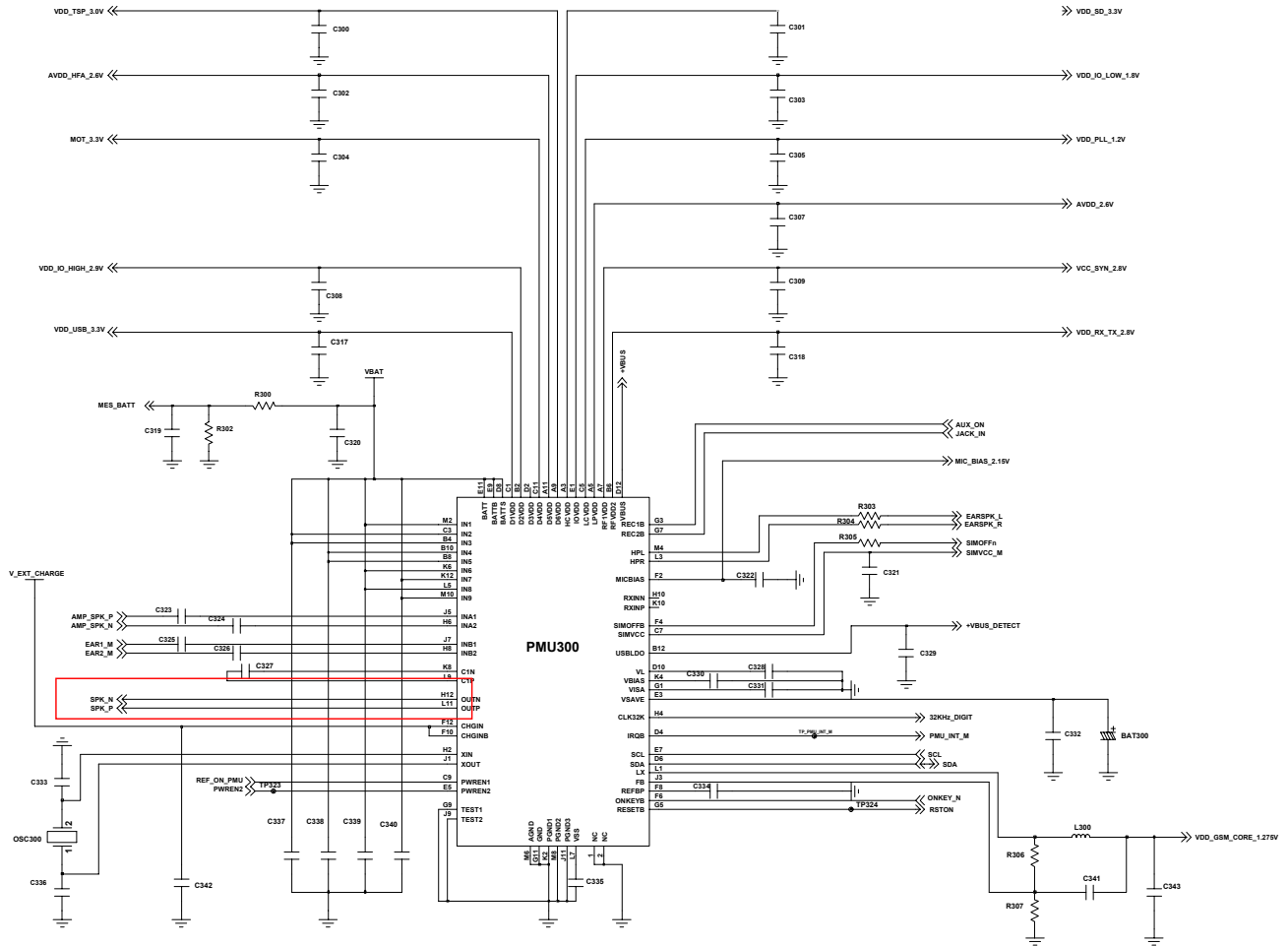
9-8. Speaker Part



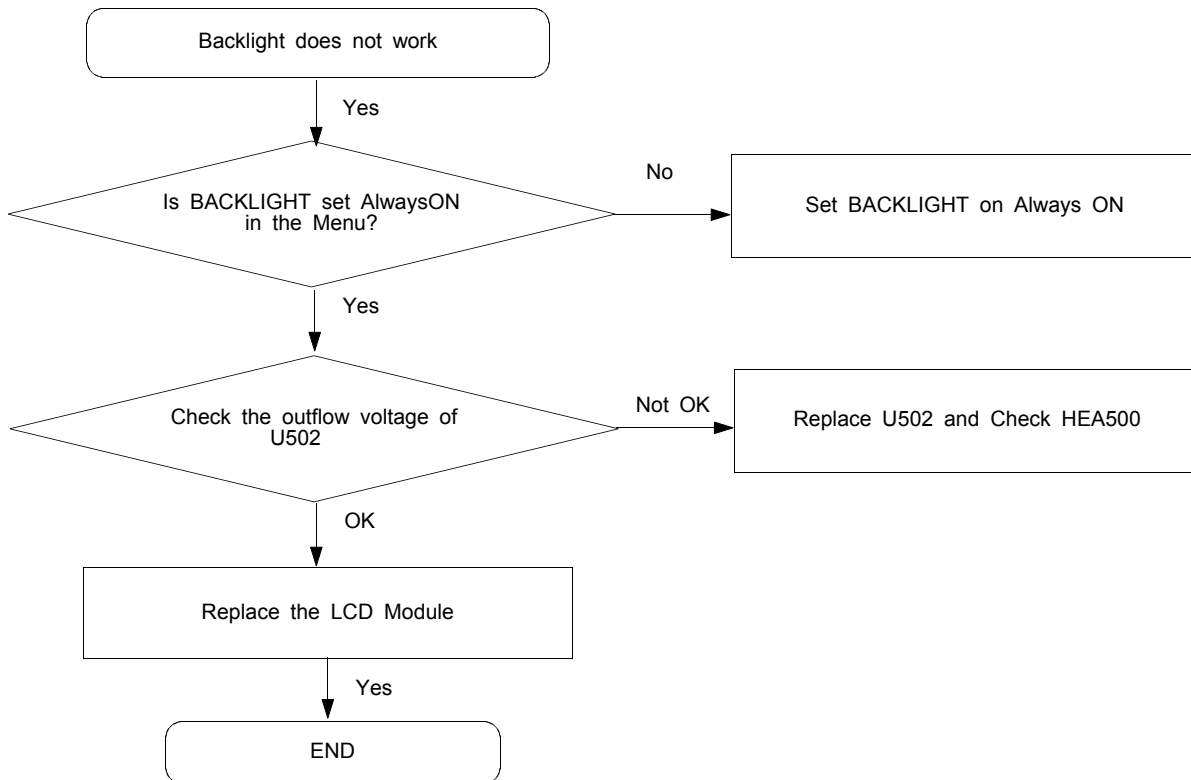
9-9. Receiver Part

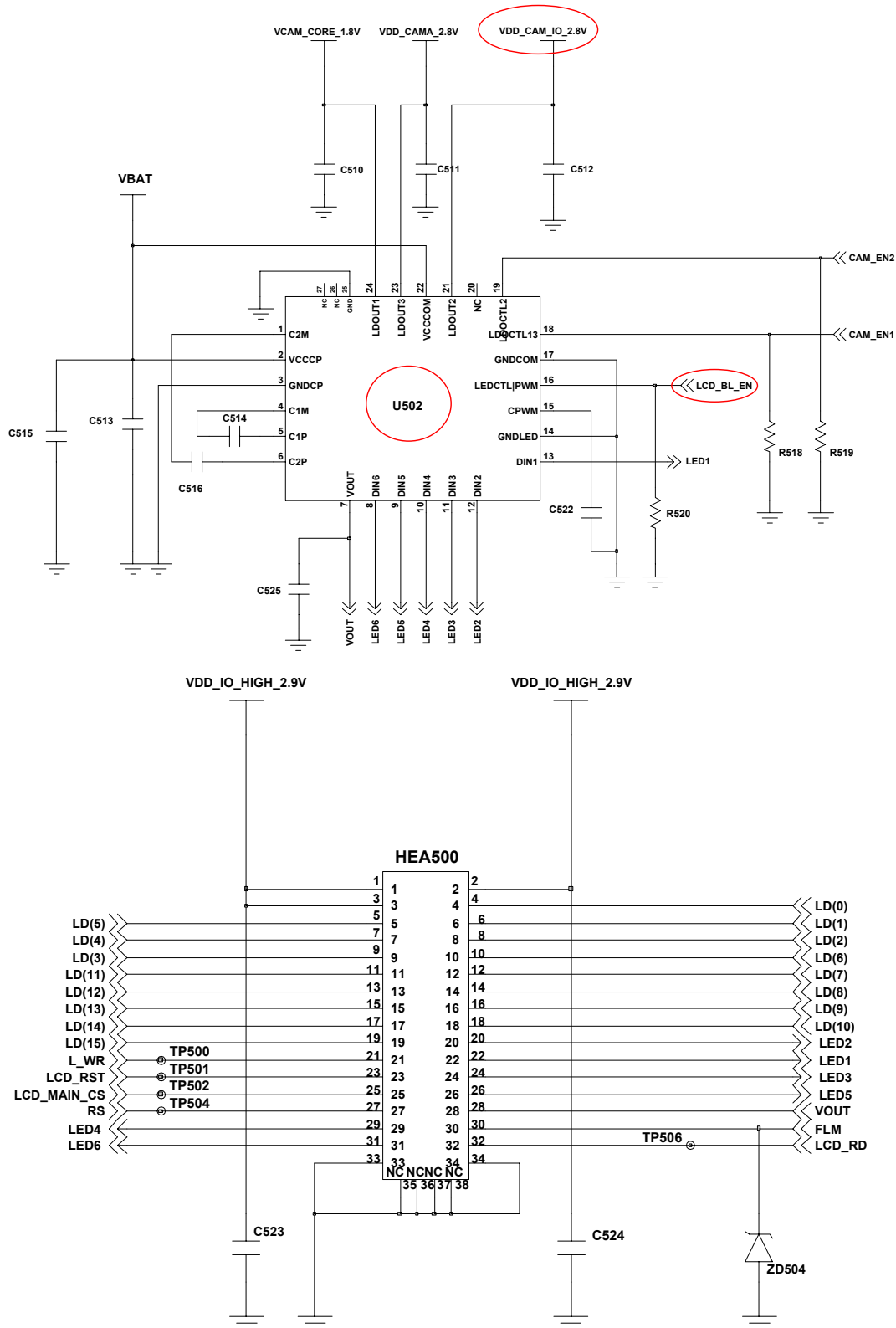




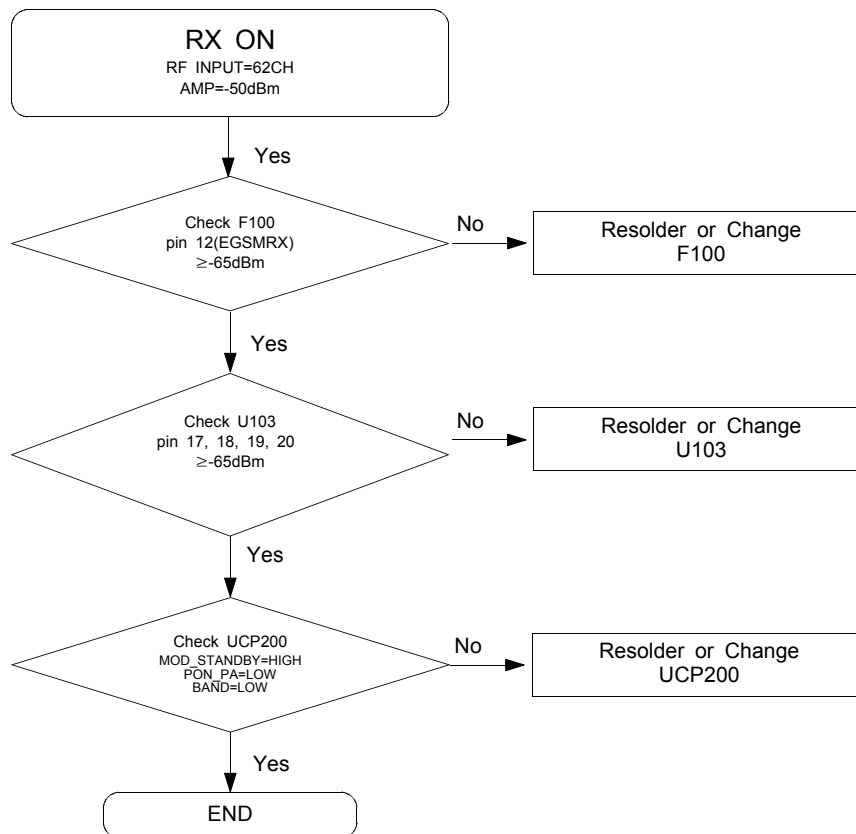


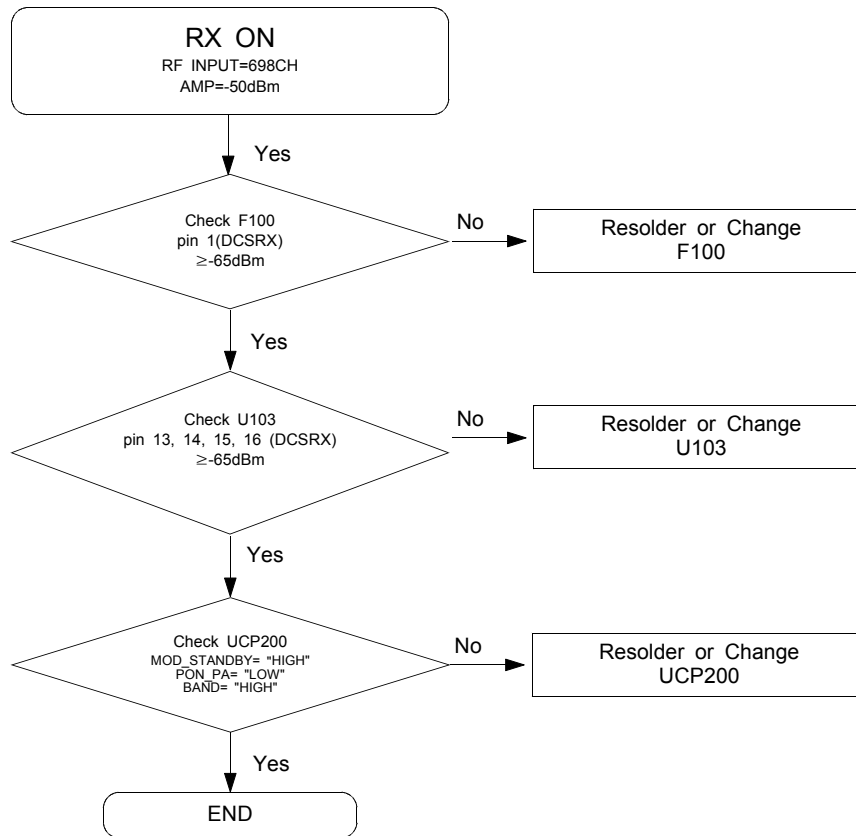
9-10. Back Light (for Color Main LCD)

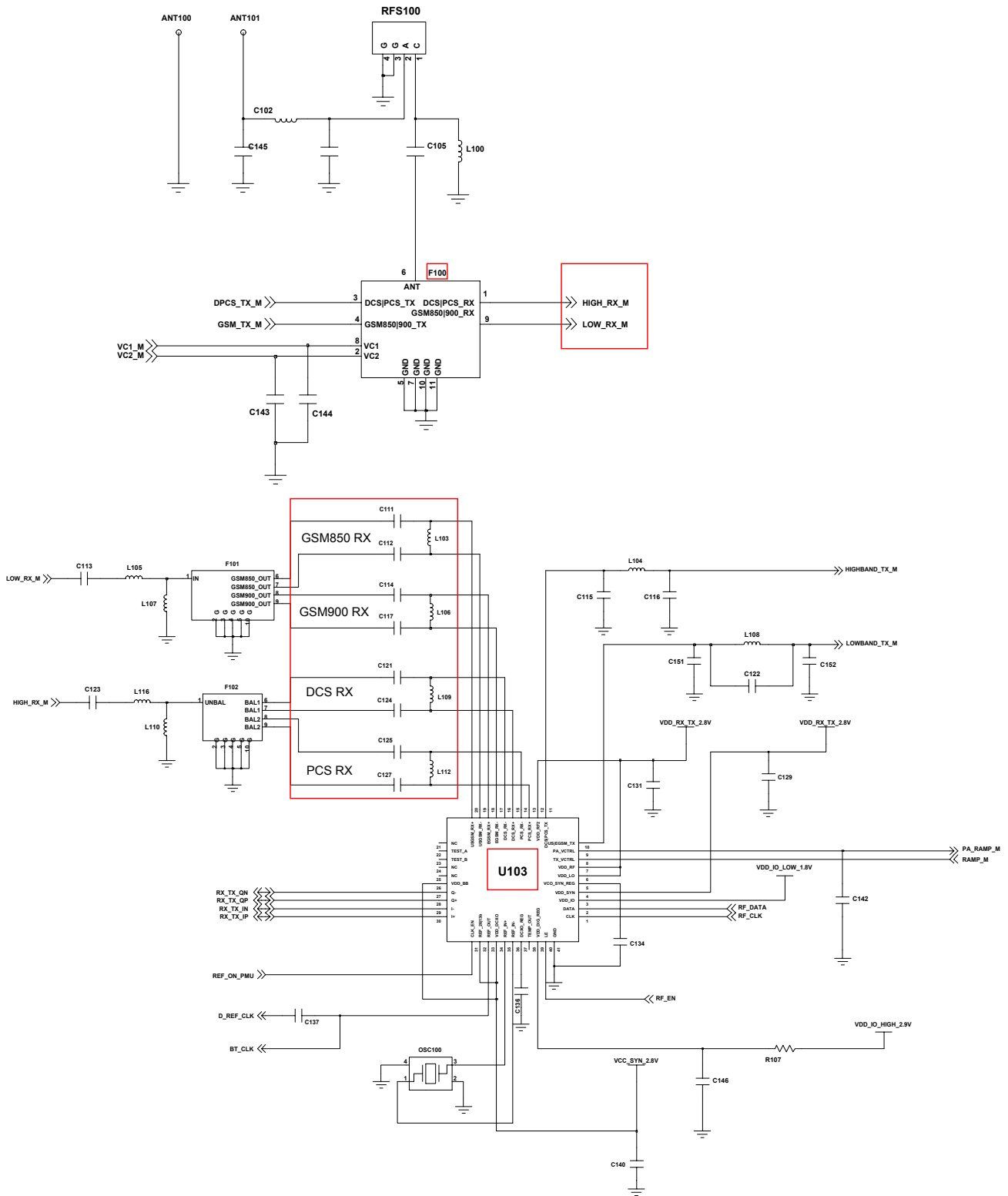


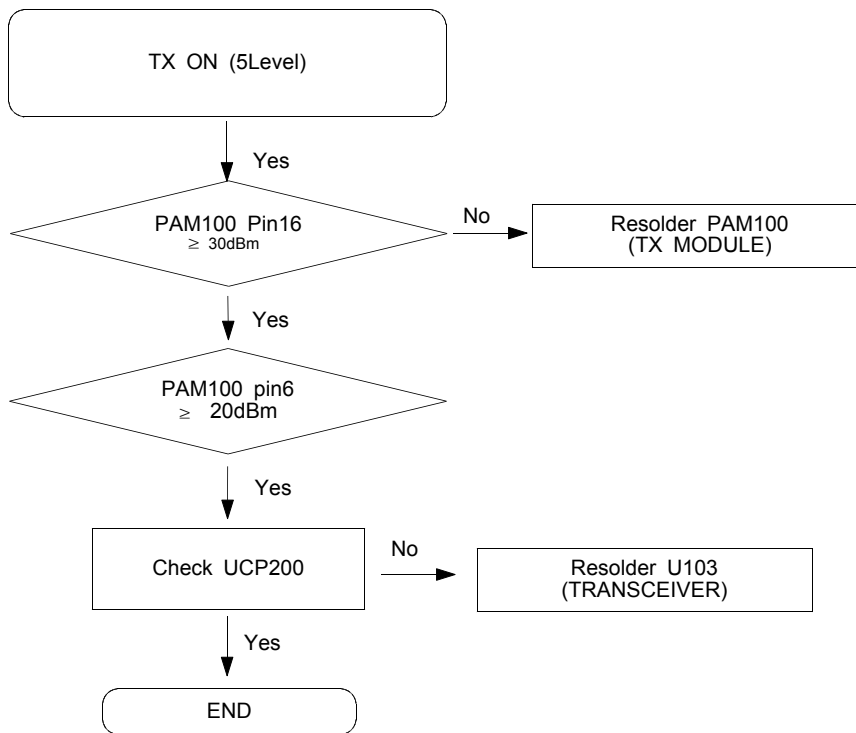


9-11. LOW BAND Receiver -Master

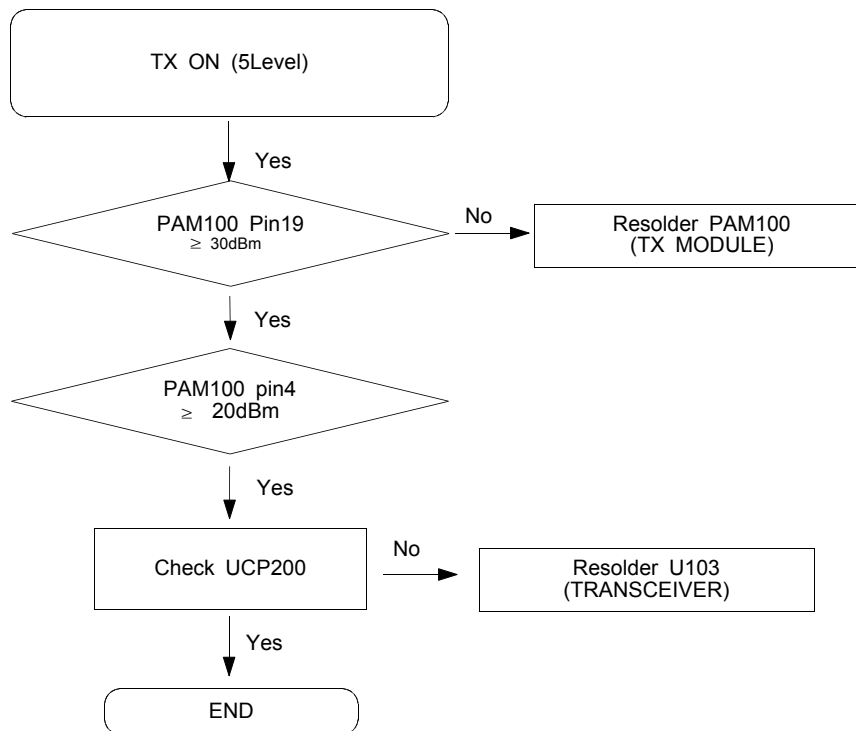


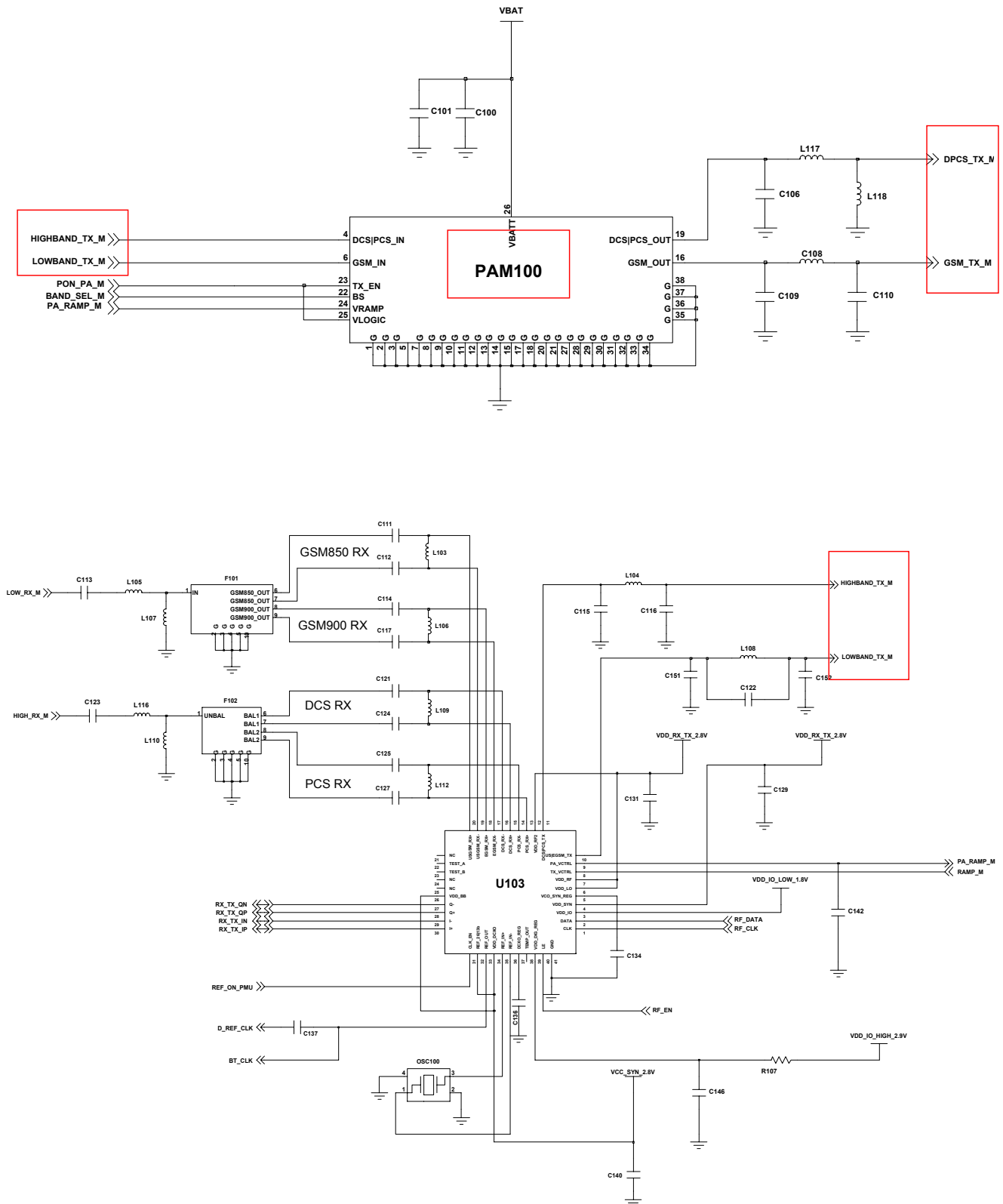
9-12. HIGH BAND Receiver -MASTER



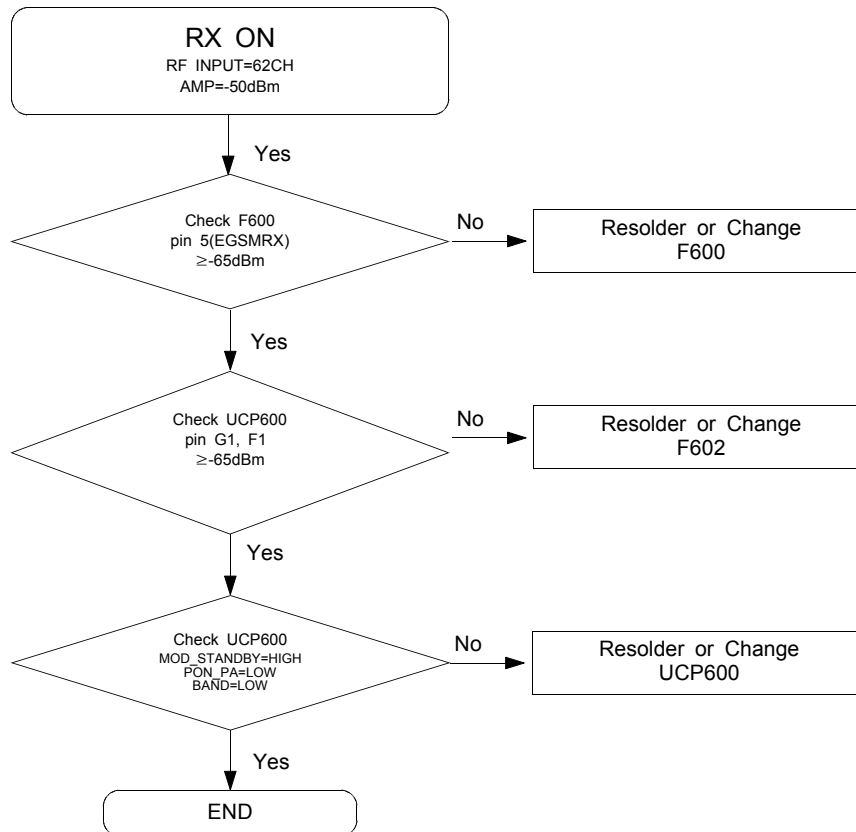
9-13. LOW BAND Transmitter -MASTER

9-14. HIGH BAND Transmitter -MASTER

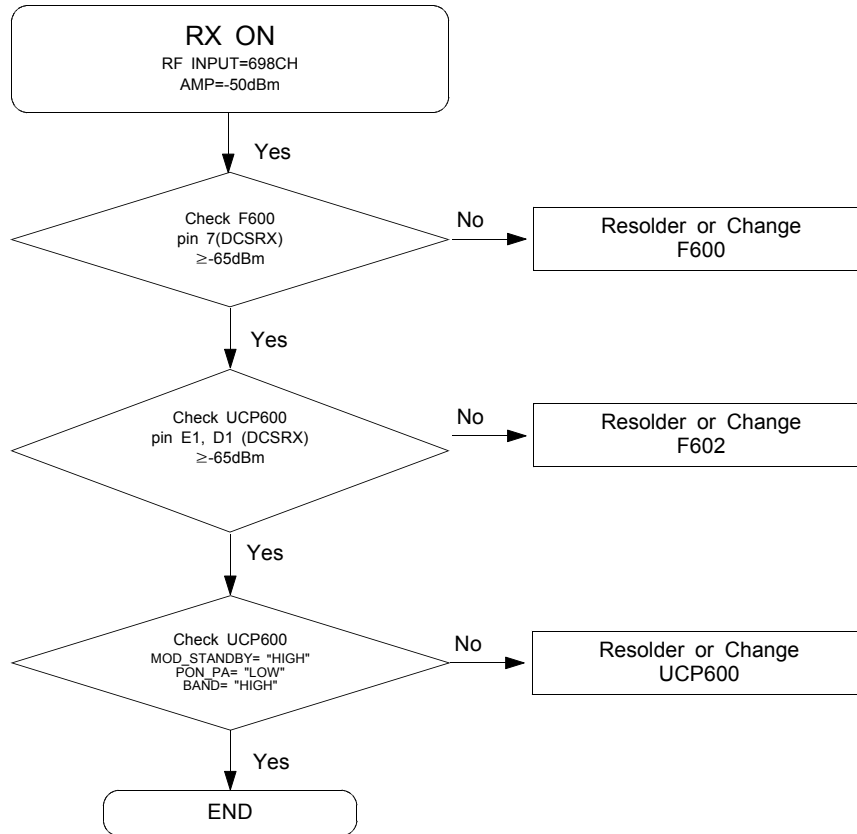


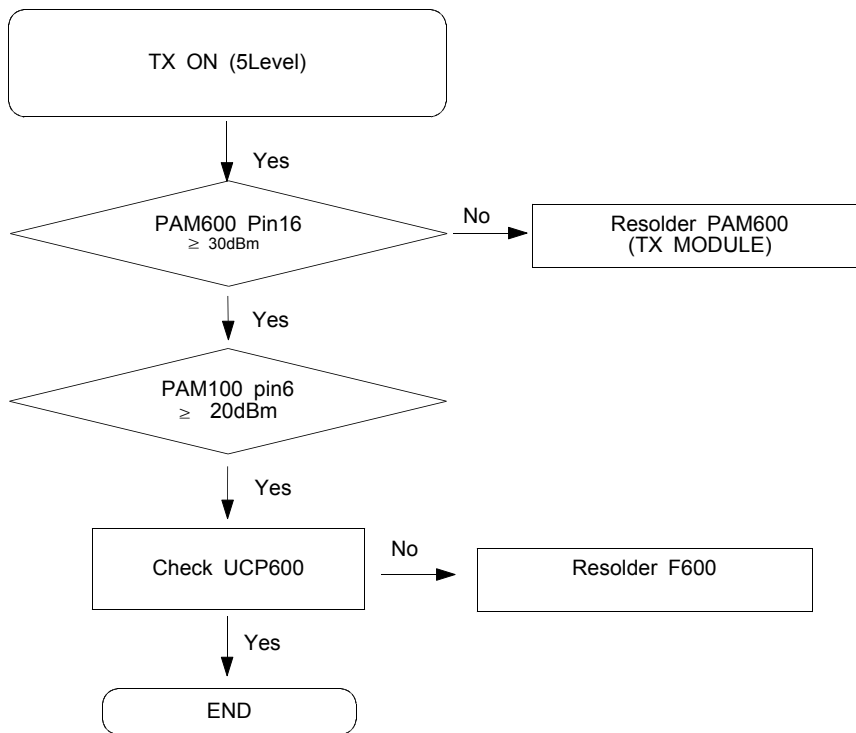




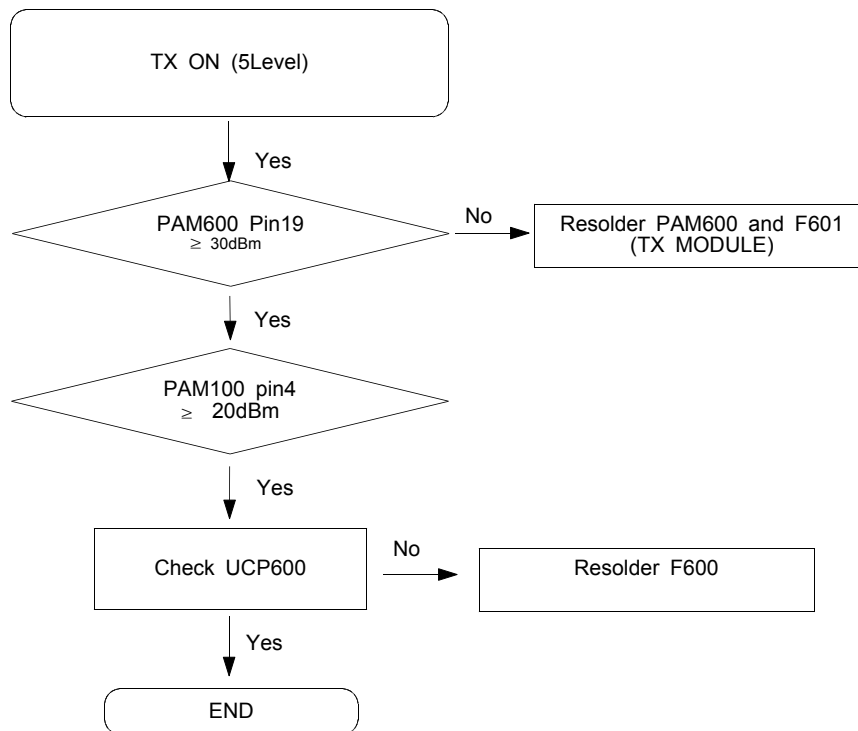
9-11. LOW BAND Receiver -Slave

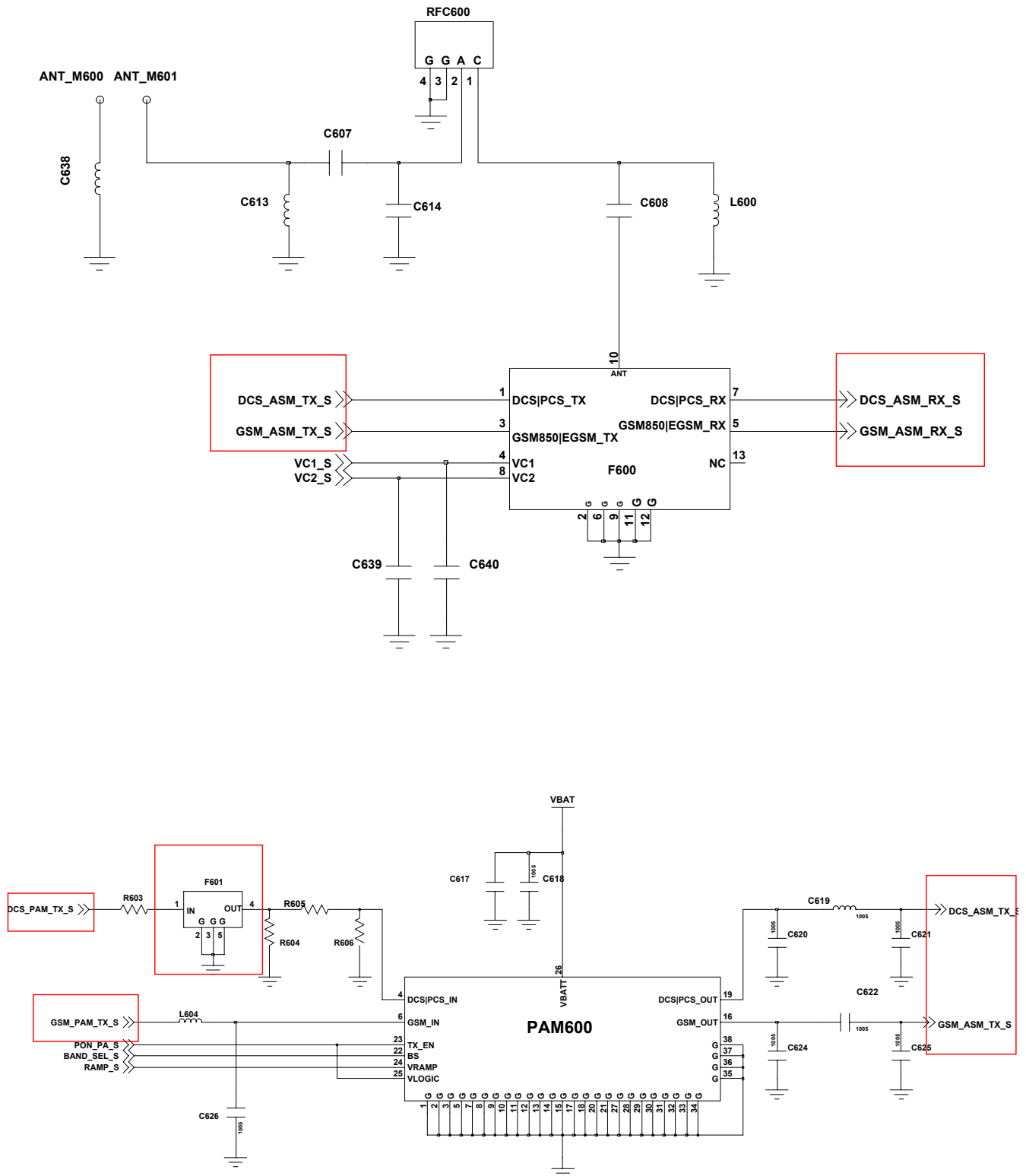
9-12. HIGH BAND Receiver -Slave

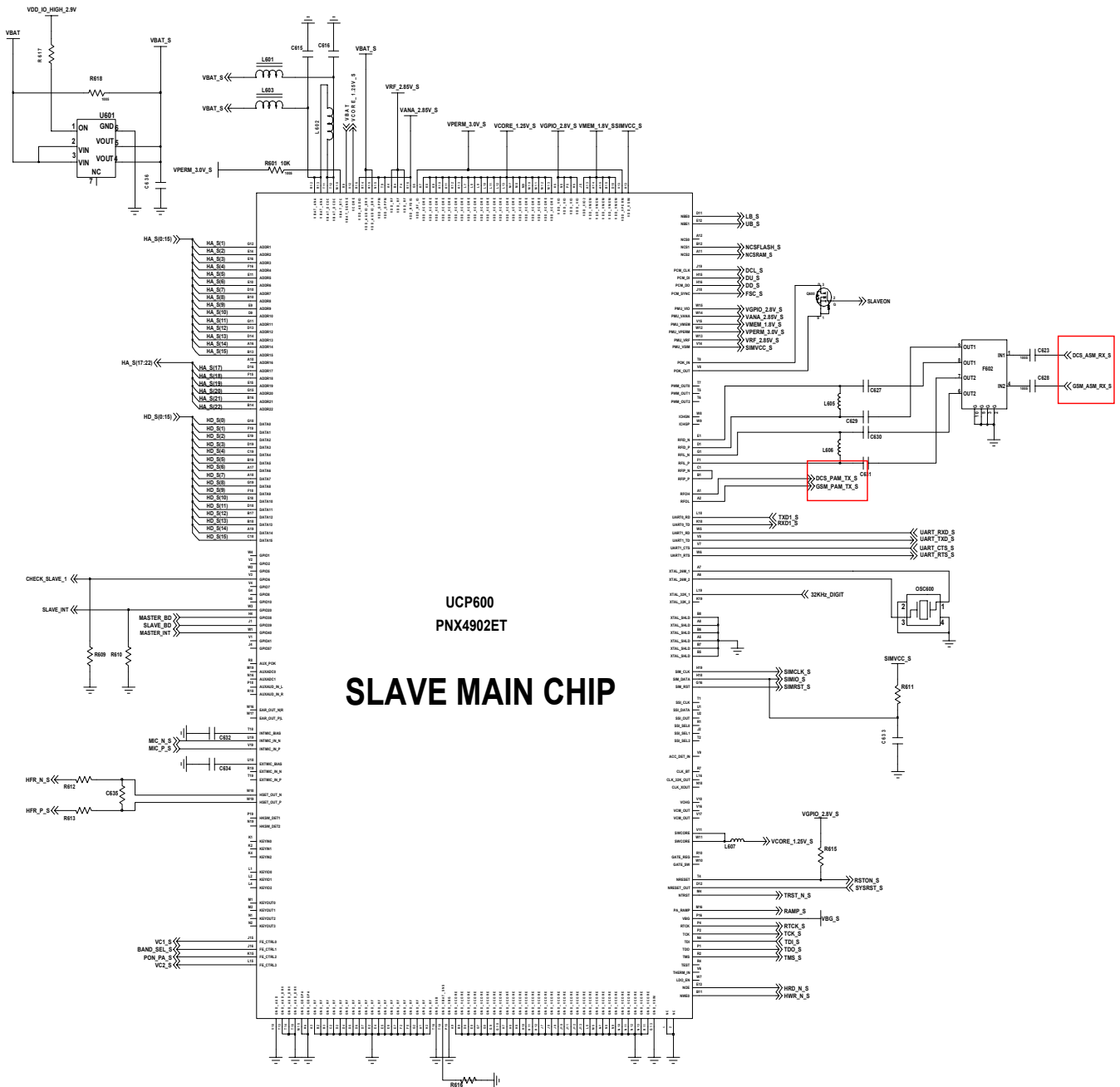


9-13. LOW BAND Transmitter -Slave

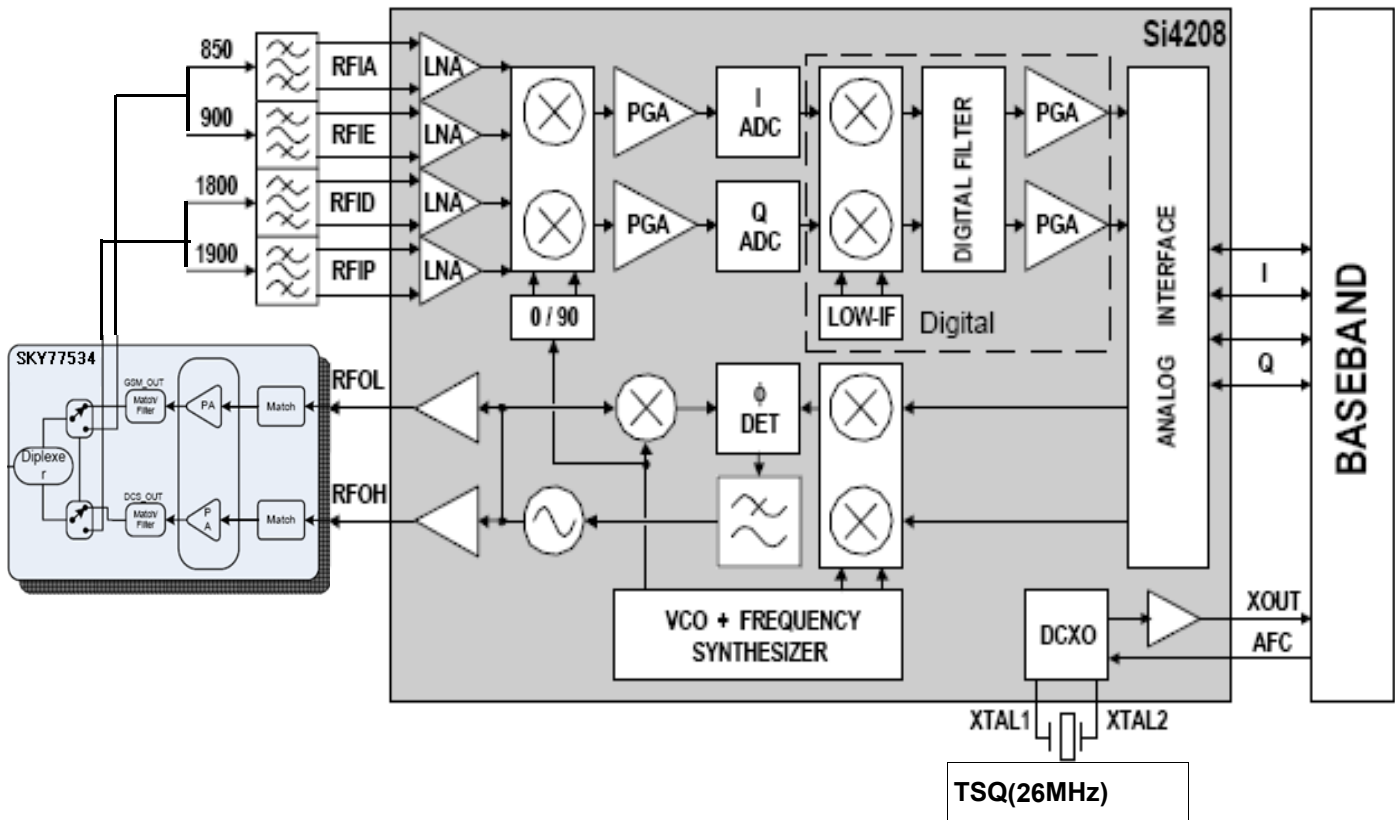
9-14. HIGH BAND Transmitter -Slave

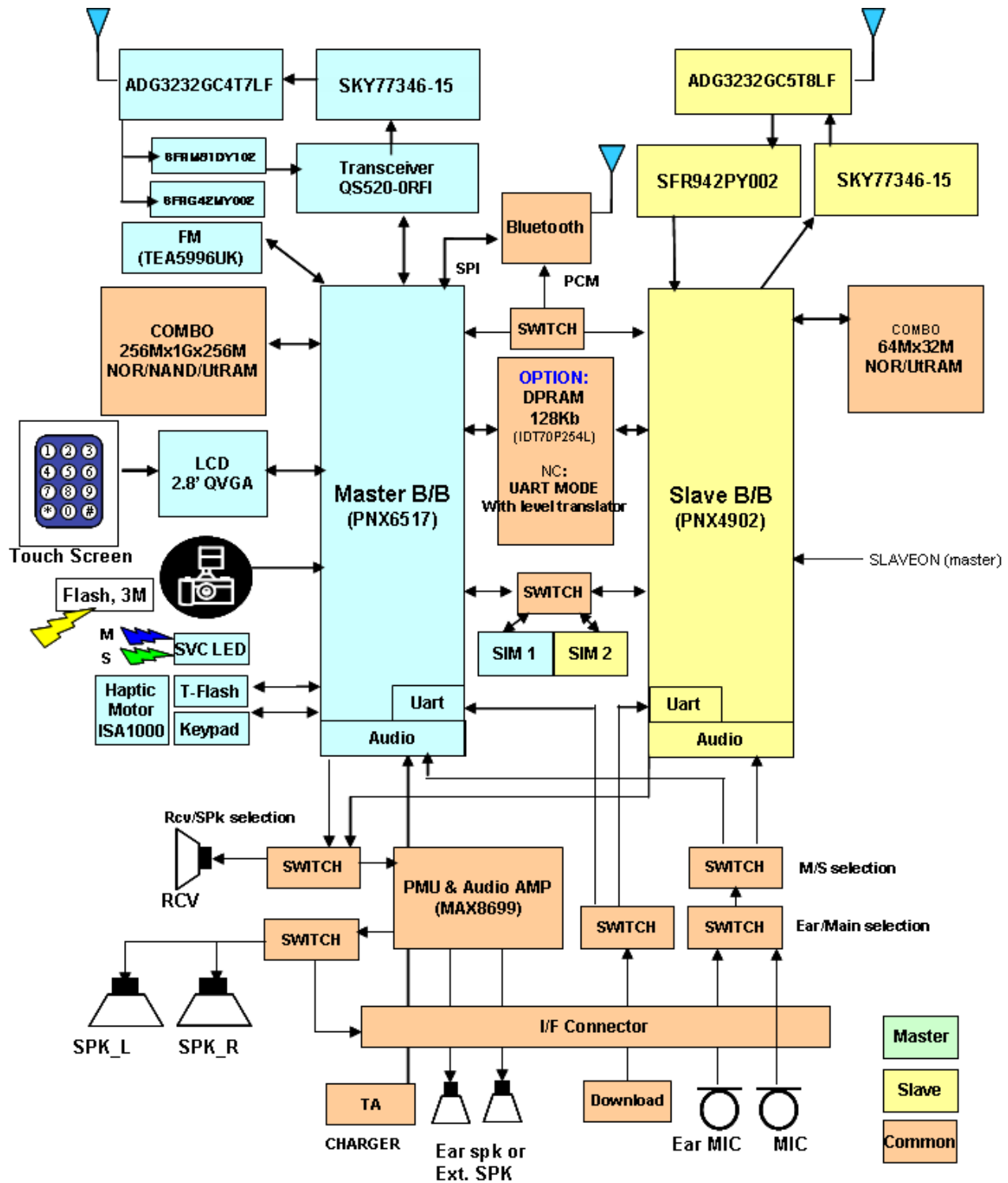


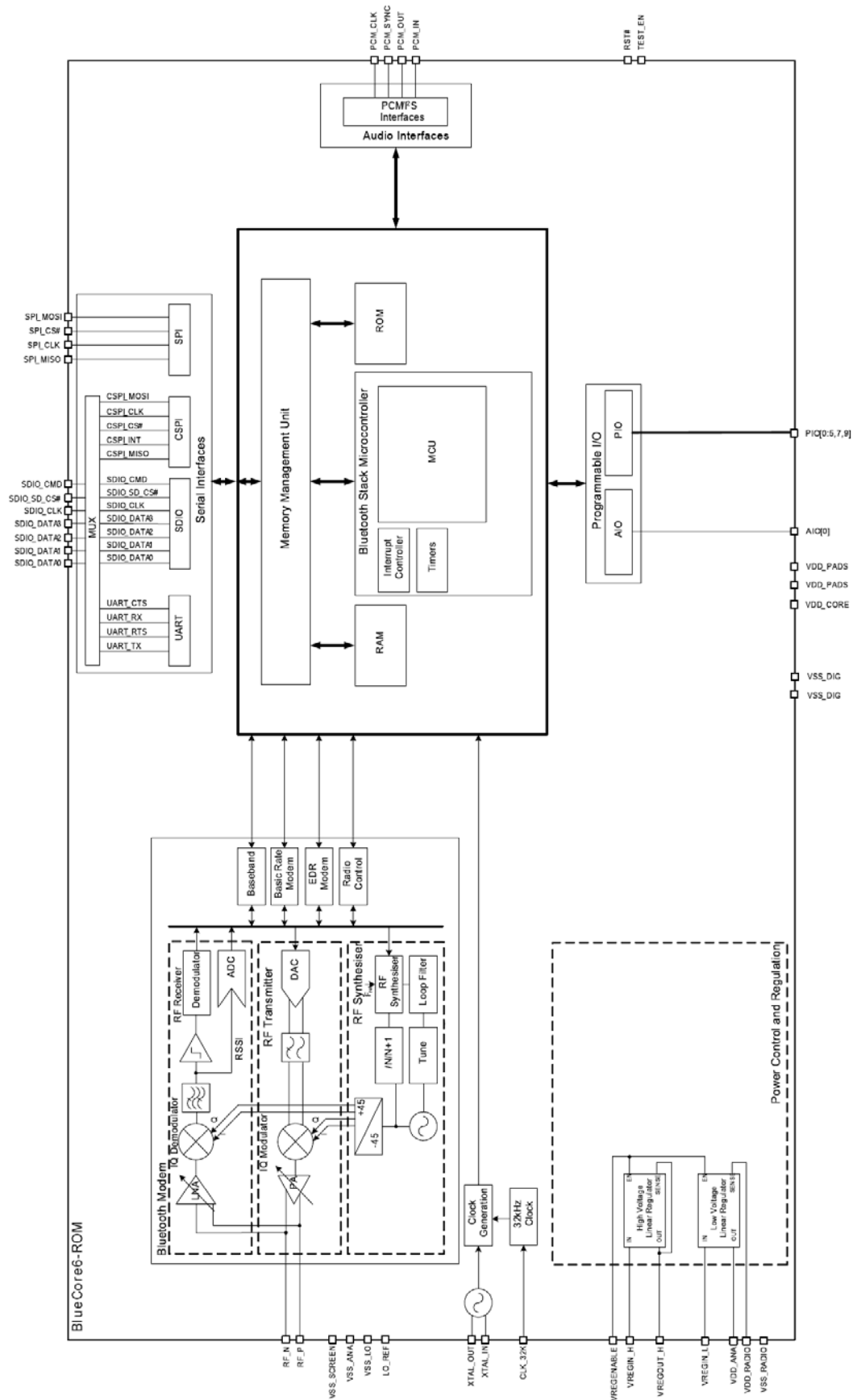




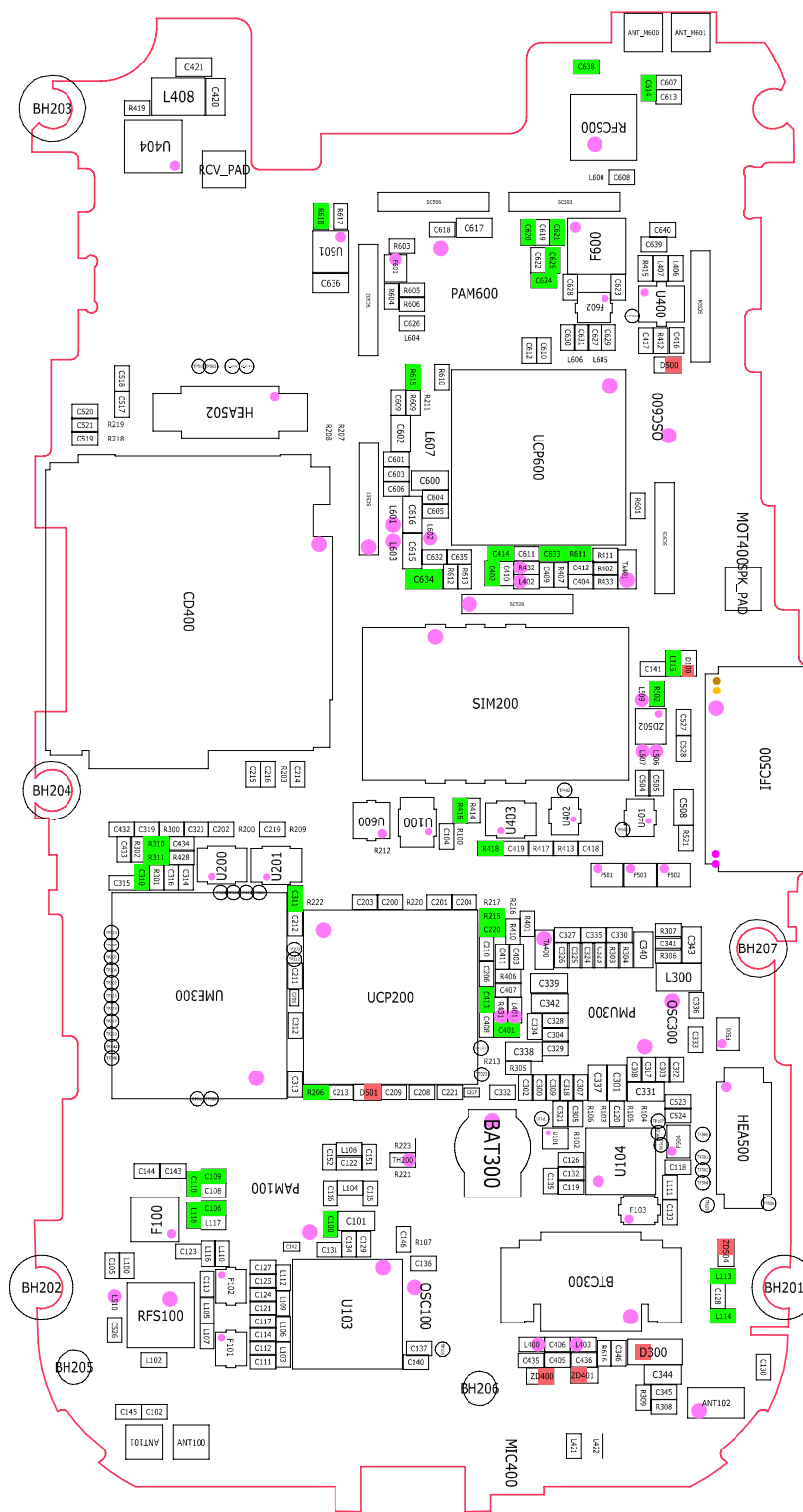
7. Block Diagrams



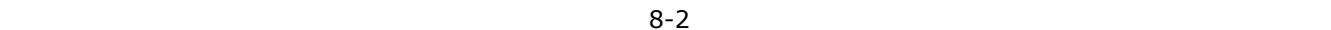




8-1. Top



HY20-AB0310
3710-002683
IFC500



11. Disassembly and Assembly Instructions

11-1. Disassembly

1

Land LCD on the UPPER.



1. Set for UPPER's LCD place figures and assemble LCD

2

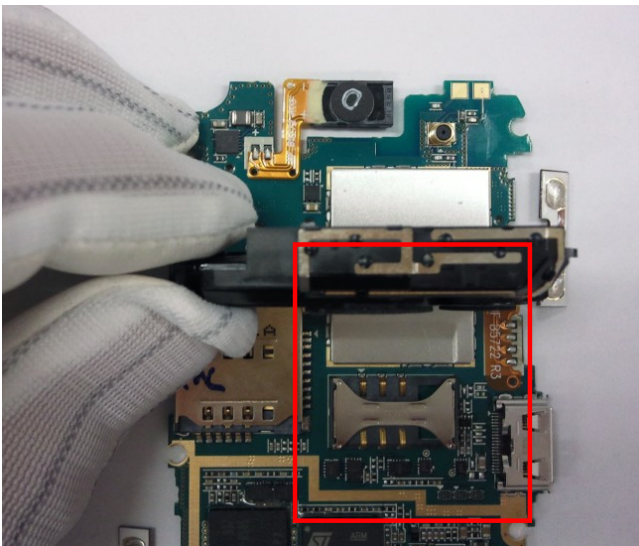
Land SUB KEYPAD on the UPPER.



1. Be careful assemble hooks on keypad.

3

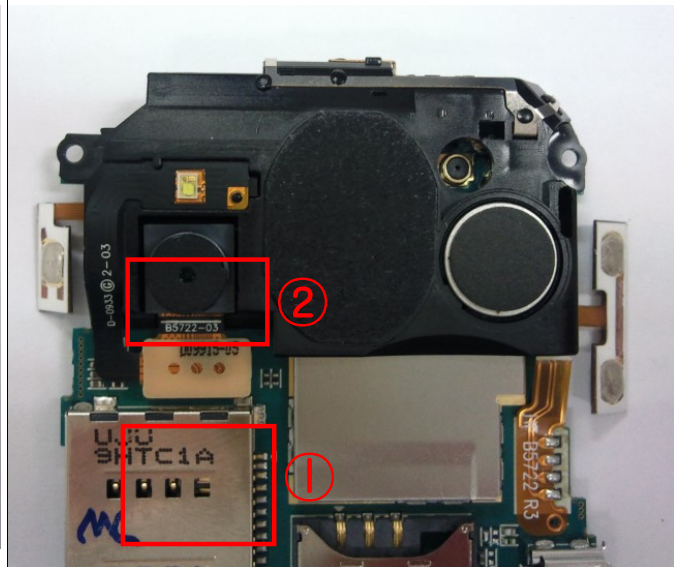
Assemble shield can



1. Assemble shield can & Check each point Assembled well.

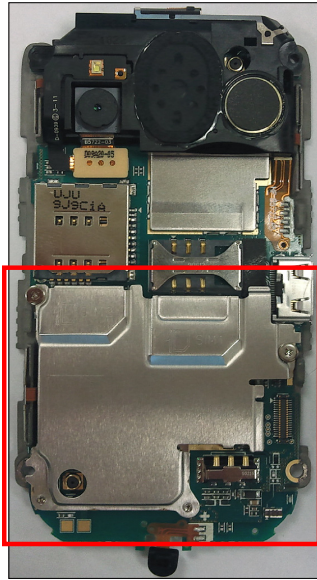
4

Assemble CIF Camera & FPCB



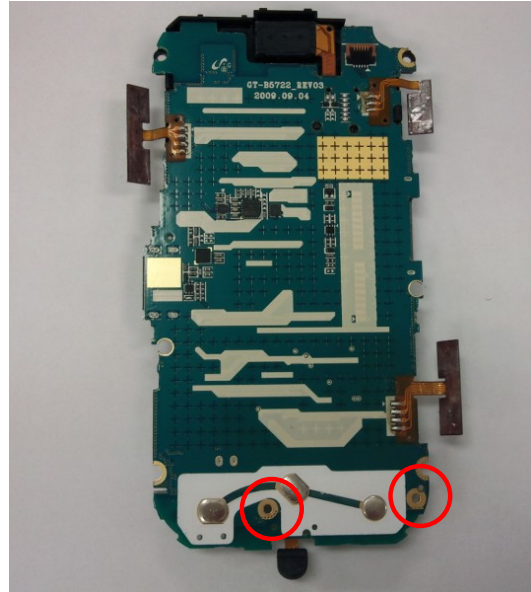
5

Assemble shield can.



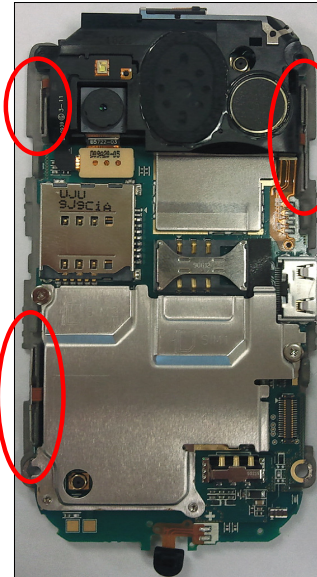
6

Screw shield can 2 Points.



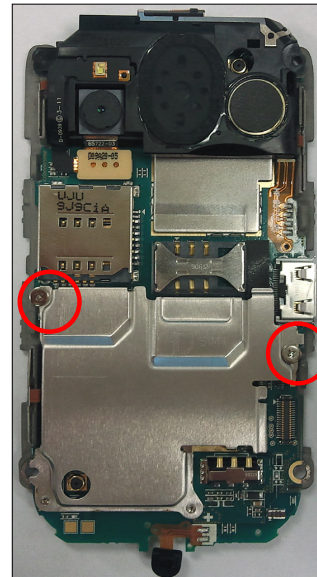
7

Assemble PBA Ass'y.



8

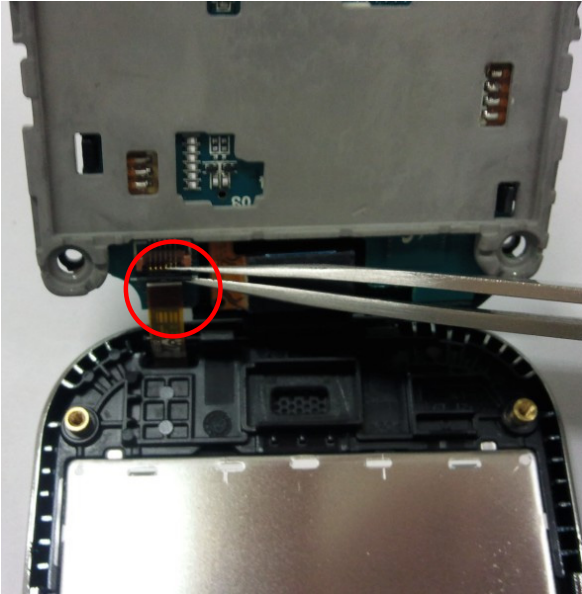
Screw PBA Ass'y 2 Points.



1.Land PBA on Bracket & Assemble FPCB 3 points.

9

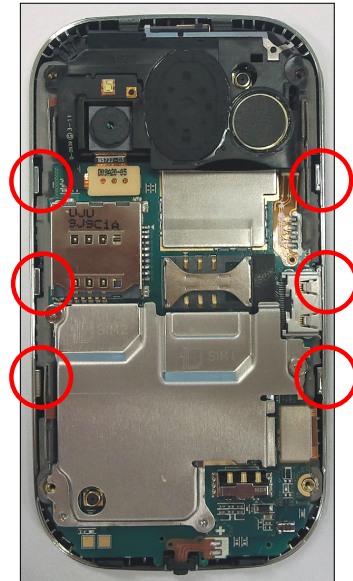
Assemble TSP FPCB Connector.



1.Be careful not to damage TSP FPCB

10

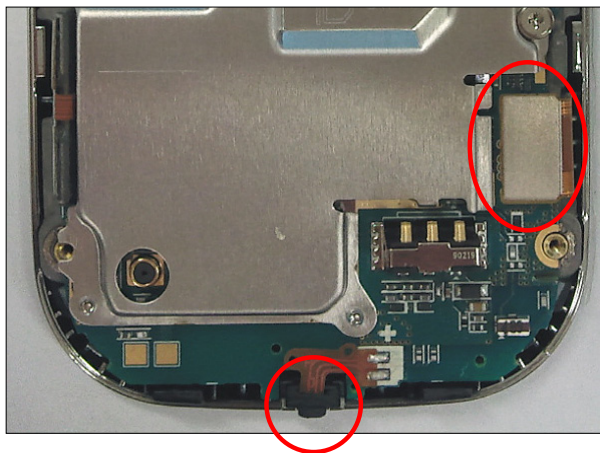
Land PBA Ass'y on FRONT.



1.Check Hook 6 Points Locked well.

11

Assemble LCD Connector & MIC



1.Assemble LCD FPCB Connector.
2.Assemble MIC on FRONT.

12

Assemble Rear.



1.Assemble from UPPER's top.

13

Screw Rear 4 points.



11-2 Assembly

1

Unscrew REAR 4 Points.



2

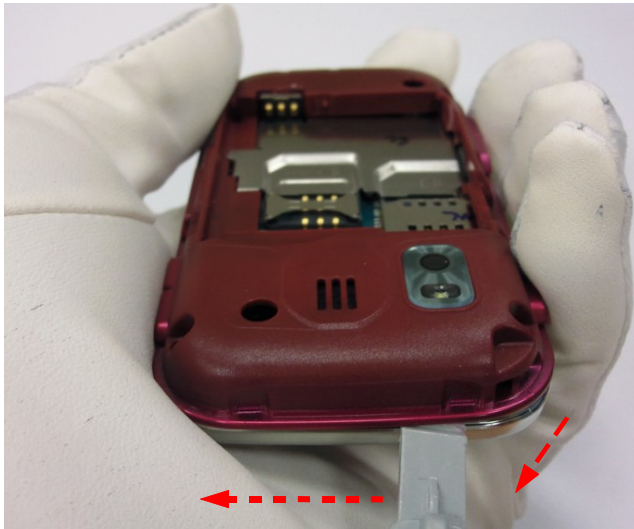
Disassemble REAR (1).



1.Disassemble the rear from the SET's left side
(Be careful not to damage weak point)

3

Disassemble REAR (2).



1.Progress disassemble to direction of right side in up
after disassembling left side

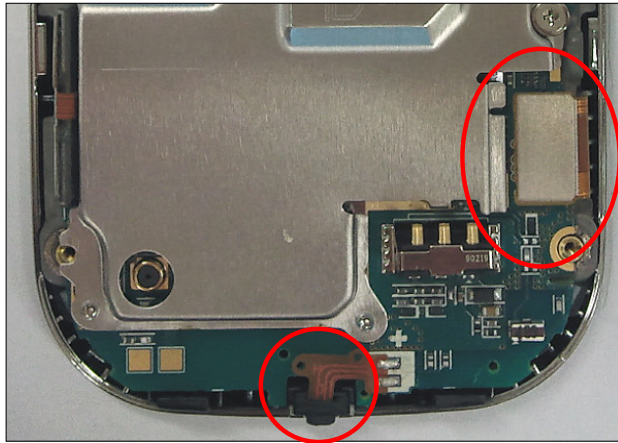
4

Remove REAR.



5

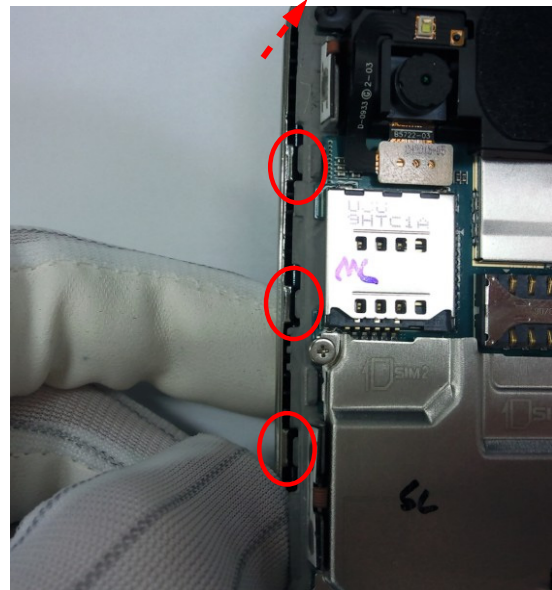
Separate LCD Connector & MIC



1. Separate LCD Connector with Tweezer carefully.
2. Separate MIC from FRONT.

6

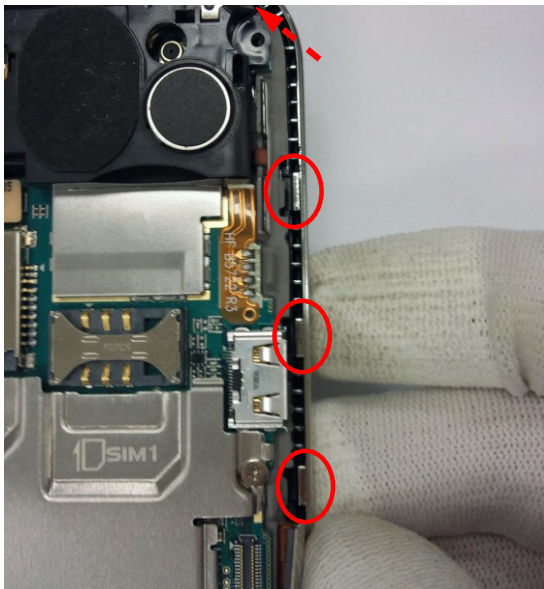
Disassemble FRONT & PBA Ass'y (1)



1. From the SET's left side, Spread Hook 3 Points holding PBA Ass'y

7

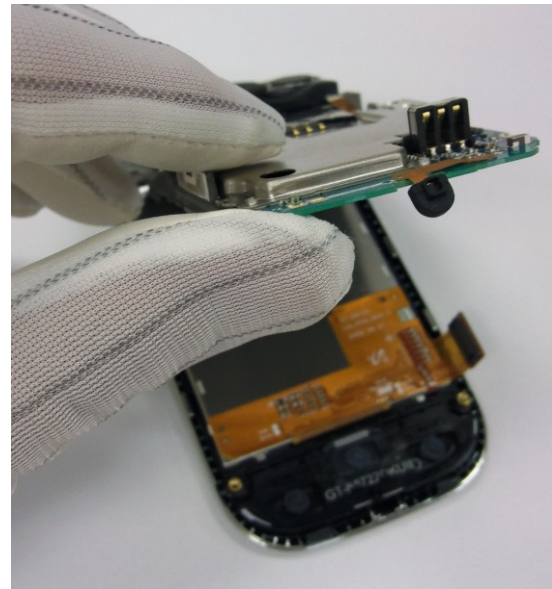
Disassemble FRONT & PBA Ass'y (2)



1. From the SET's right side, Spread Hook 3 Points holding PBA Ass'y

8

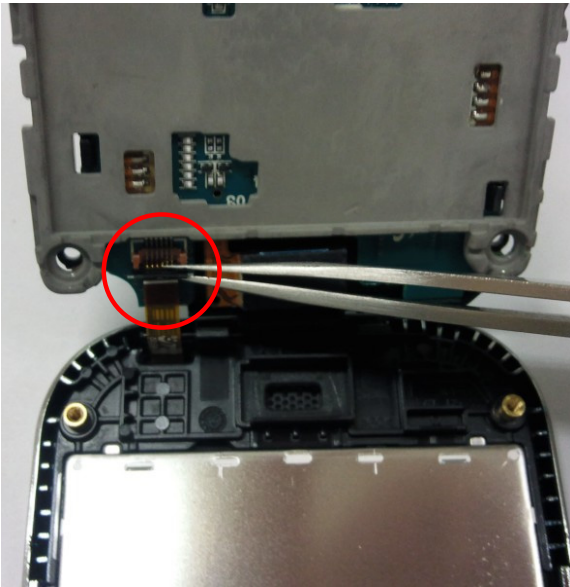
Disassemble FRONT & PBA Ass'y (3)



1. lift up PBA Ass'y
(Be careful not to damage TSP FPCB)

9

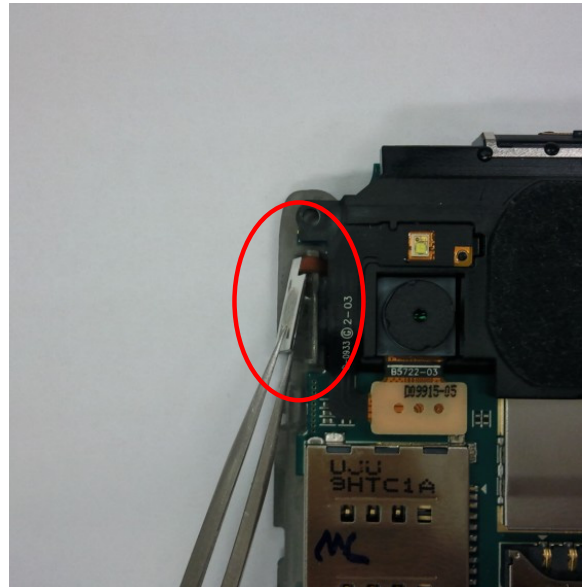
Separate TSP Connector



1. Separate TSP Connector with Tweezer carefully.

10

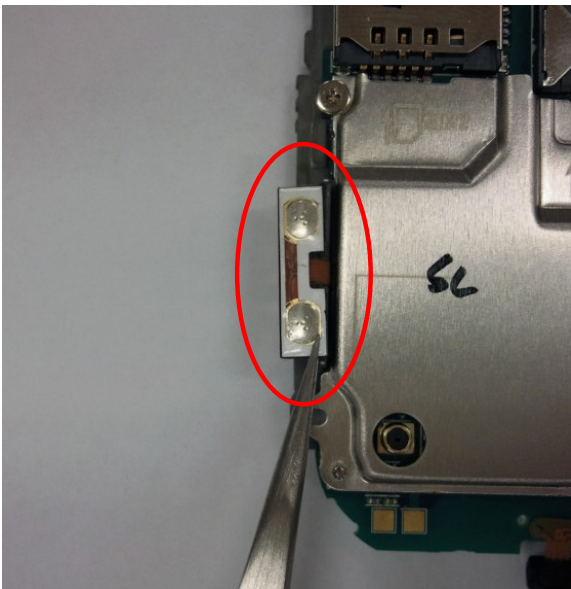
Disassemble PBA Ass'y (1)



1. Separate Toggle Key FPCB from Bracket

11

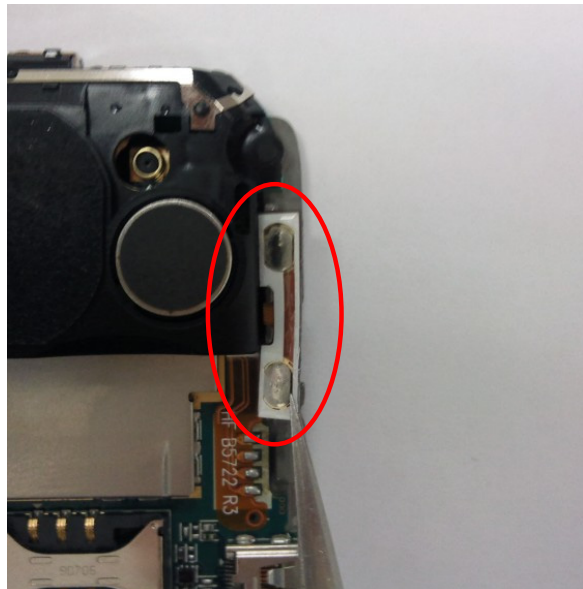
Disassemble PBA Ass'y (2)



1. Separate Hold/Camera Key FPCB from Bracket

12

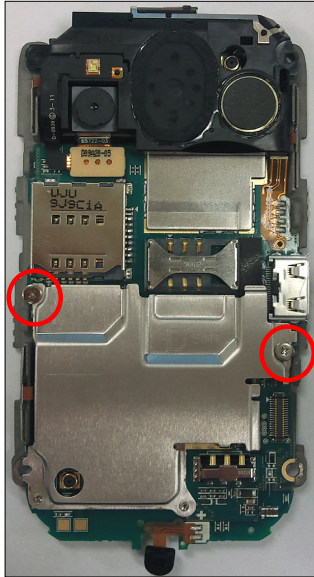
Disassemble PBA Ass'y (3)



1. Separate Volume Key FPCB from Bracket

13

Unscrew Bracket 2 Points.



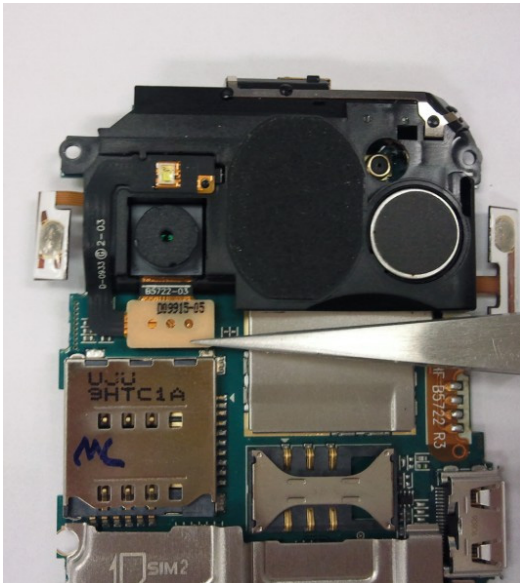
14

Separate Bracket.



15

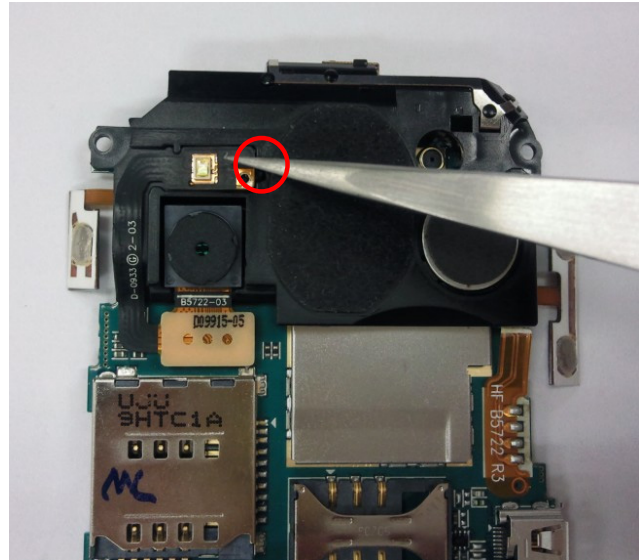
Remove CIF Camera (1)



1. Separate CIF Camera Connector with Tweezer carefully.

16

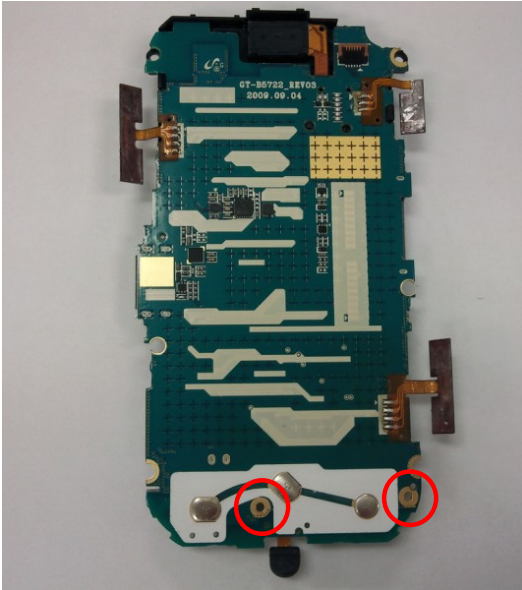
Remove CIF Camera (2)



1. Separate CIF Camera FPCB with Tweezer carefully using remove_aided spot.

17

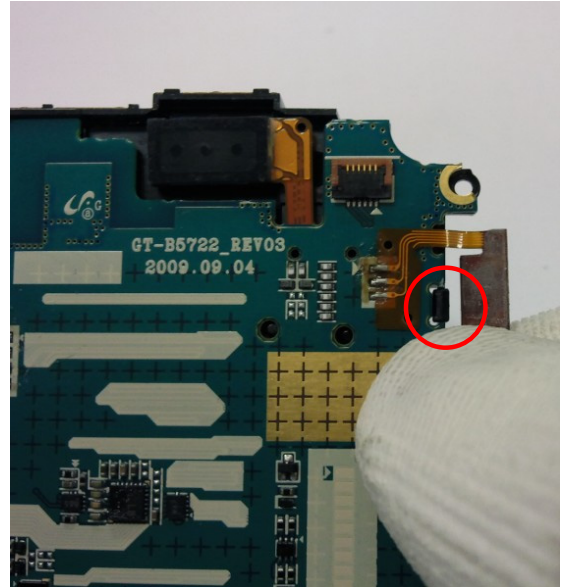
Unscrew Shield can 2 Points.



1.Unscrew Shield can 2 Points & Remove Shield can.

18

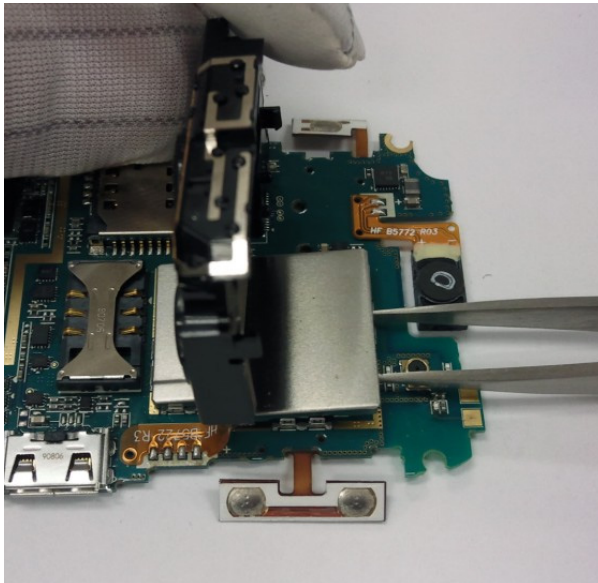
Disassemble Speaker Module



1.Spread right side Hook holding PBA first, then spread left side one.

19

Remove shield can



1.lift up & Hold Speaker Module.
(Be careful not to damage Speaker Module FPCB)
2. Remove shield can with tweezer carefully.

20

Remove Keypad



21

Separate LCD (1)



1. Separate LCD with tweezer carefully, using remove_aided spot.
(Be careful not to damage LCD)

22

Separate LCD (2)

