

SAMSUNG

GSM TELEPHONE

GT-B7722i

SERVICE *Manual*

GSM TELEPHONE

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Notice :

All functionality, features, specifications and other product information provided in this document including, but not limited to, the benefits, design, pricing, components, performance, availability, and capabilities of the product are subject to change without notice or obligation. Samsung reserves the right to make changes to this document and the product described herein, at anytime, without obligation on Samsung to provide notification of such change.

**SAMSUNG
ELECTRONICS**



GSPN (Global Service Partner Network)

Country	Web Site
North America	service.samsungportal.com
Latin America	latin.samsungportal.com
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China	china.samsungportal.com
Asia	asia.samsungportal.com
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5. MAIN Electrical Parts List

Design LOC	SEC CODE	Description
ZD202,ZD300	0403-001688	USFZ5.6V-RTK/H
D300	0404-001172	RB520S-30
ZD302	0406-001286	PESD5V0L5UV
ZD404	0407-001002	DAN222TL
Q500	0505-001325	2SK3019
U103	1001-001607	XM2400SN-AL0901
U202	1001-001616	STG3820BJR
U201,U400,U401	1001-001635	FSA2259UMX
U200	1001-001651	SC900770EP/R2
U106,U402	1001-001664	FSA2466UMX
U104,U500	1003-002352	FXLA104UMX
UME500	1108-000389	K5N6433ATB-BQ12
UME200	1108-000390	K522F1HACC-B0500TN
PAM100,PAM500	1201-002947	SKY77346-15
PAM101	1201-002968	ACPM-5201-SG1
U403	1201-003081	MAX97000EWA-T
U407	1203-004776	RP103K331D-TR
U100	1203-004818	RP103K181D-TR
U302	1203-005995	PCF50623-ES2
U300	1203-006025	AAT1274IWO-T1
U301	1203-006159	AAT2146IJS-0.6-T1
U303	1203-006589	AAT1401IUQ-T1
U405	1204-003020	TEA5991UK
U107	1205-003517	BC63B239A04-IYB-E4S
U101	1205-003864	AERO4229EL1UM
UCP200	1205-003906	PNX6709EL1/43/2B/P4
U406	1205-003931	SX8650ICSTRT
UCP500	1205-003945	PNX4852
U501	1205-004004	AAT4280AIJS-2-T1
U108	1205-004070	NRX600CSPB11-T
U404	1209-001945	BMA220
VR200,VR500	1404-001221	NCP15WB473J04RC
VR100	1404-001224	NCP15XH103E04RC
VR101	1405-001291	LXES15AAA1-017
ZD301,ZD400,ZD401	1405-001298	LXES15AAA1-075
ZD402,ZD403,ZD405	1405-001298	LXES15AAA1-075

Design LOC	SEC CODE	Description
ZD406,ZD407,ZD408	1405-001298	LXES15AAA1-075
ZD409	1405-001298	LXES15AAA1-075
R409	2007-000137	RC1005J202CS
R113,R204,R209	2007-000138	RC1005J101CS
R100,R101,R102,R116	2007-000140	RC1005J102CS
R206,C537	2007-000140	RC1005J102CS
R213,R214,R215,R216	2007-000143	RC1005J472CS
R227	2007-000143	RC1005J472CS
R114	2007-000147	RC1005J822CS
R104,R217,R218,R229	2007-000148	RC1005J103CS
R413,R501,R509,R511	2007-000148	RC1005J103CS
R512,R513,R516	2007-000148	RC1005J103CS
R108	2007-000152	RC1005J203CS
R223,R224,R225,R226	2007-000159	RC1005J563CS
C188,R121,R126,R127	2007-000162	RC1005J104CS
R210,R211,R300,R301	2007-000162	RC1005J104CS
R313,R410,R411,R502	2007-000162	RC1005J104CS
R228	2007-000165	RC1005J204CS
R309	2007-000170	RC1005J105CS
R406,R407,R503,R518	2007-000172	RC1005J100CS
R314,R315	2007-000566	RC1005J224CS
R303	2007-000758	RC1005J334CS
R201	2007-000775	RC1005J333CS
R504,R505,R507,R508	2007-000932	RC1005J471CS
R105,R106	2007-001298	RC1005J510CS
R219,R220,R221,R222	2007-001319	RC1005J122CS
R200,R202,R205	2007-001333	MCR01MZP5J183
R115	2007-003015	MCR01MZP5J2R2
R412	2007-007008	RC1005J301CS
R311	2007-007014	MCR01MZP5J513
R304	2007-007090	RC1005J113CS
R306	2007-007142	RC1005F103CS
R107	2007-007308	MCR01MZP5F3302
R307	2007-007312	MCR01MZP5F2002
R302	2007-007334	RC1005F2003CS
R308	2007-007573	RK73H1ETP3303F

Design LOC	SEC CODE	Description
R207	2007-007589	RK73H1ETP6802F
R312	2007-007627	RK73H1ETP1602F
R519	2007-007698	RK73H1ETP5101F
R208,R310	2007-008354	ERJ2RKF224X
R230	2007-008465	RC1005F2150CS
R231	2007-008766	ERJ2RKF6041X
C144,C145,C147,C148	2203-000233	GRP1555C1H101J
C336,C439,C515	2203-000233	GRP1555C1H101J
C100,C108,C175,C341	2203-000254	GRP155R71C103K
C406,C417,C418,C440	2203-000254	GRP155R71C103K
C141,C172,C233,C235	2203-000278	GRP1555C1H100D
C401	2203-000278	GRP1555C1H100D
C337	2203-000330	GRP1555C1H120J
C128	2203-000359	GRP1555C1H151JD01E
C137,C544,U105	2203-000386	GRP1555C1H150J
C126,C236,C345,C554	2203-000438	GRP155R71H102K
C517	2203-000466	GRP1555C1H1R0C
C237	2203-000550	GRP1555C1H200JZ01E
C338	2203-000627	GRM1555C1H220J
C198,C524,C525	2203-000696	GRP1555C1H2R0C
C116,C124,C129,C232	2203-000812	GRP1555C1H330J
C234,C339,C402,C403	2203-000812	GRP1555C1H330J
C411,C423,C521,C523	2203-000812	GRP1555C1H330J
C532,C551,C552,L113	2203-000812	GRP1555C1H330J
C516	2203-001153	GRP1555C1H680J
C219	2203-000995	GRM1555C1H470J
C134	2203-002668	C1005CG1H0R5BT
C201,C229,C239,C300	2203-002709	C1005Y5V1C104ZT
C304,C324,C325,C327	2203-002709	C1005Y5V1C104ZT
C435	2203-002709	C1005Y5V1C104ZT
C130,C133,C138,L120	2203-005050	GRP1555C1H1R8CZ01E
C101	2203-005056	GRP1555C1H6R8CZ01E
C104,C105	2203-005281	GRP1555C1H1R5BZ01E
C111,C178	2203-005288	GRP1555C1H1R0BZ01E
C169	2203-005344	GRM155R71E223KA61D
C518,C522	2203-005446	GRP1555C1H2R7BZ01E

Design LOC	SEC CODE	Description
C139,C174,C199	2203-005450	GRP1555C1H5R6BZ01E
C348	2203-005481	GRP155R71A473KA01E
C117,C118,C119	2203-005682	GRP0335C1E330JD01E
C122,C125,C131,C153	2203-006048	GRM155R71A104K
C154,C155,C156,C157	2203-006048	GRM155R71A104K
C159,C160,C161,C203	2203-006048	GRM155R71A104K
C204,C205,C206,C207	2203-006048	GRM155R71A104K
C208,C209,C210,C211	2203-006048	GRM155R71A104K
C212,C213,C215,C220	2203-006048	GRM155R71A104K
C223,C230,C231,C313	2203-006048	GRM155R71A104K
C340,C400,C405,C407	2203-006048	GRM155R71A104K
C410,C416,C420,C424	2203-006048	GRM155R71A104K
C434,C441,C500,C501	2203-006048	GRM155R71A104K
C502,C503,C504,C538	2203-006048	GRM155R71A104K
C549,C562,C563	2203-006048	GRM155R71A104K
C305	2203-006201	GRM188R60J225KE01D
C224,C309,C310,C507	2203-006208	CM105X5R475M06AT
C306,C308,C315,C317	2203-006257	GRM155R60J474KE19E
C318,C436,C437,C438	2203-006257	GRM155R60J474KE19E
C170,C426,C427	2203-006260	GRM155R61A224KE19E
C146,C303	2203-006324	GRM188R61A225KE19D
C202,C326,C346	2203-006348	CV105X5R105K25AT
C132,C167,C316,C319	2203-006399	GRM155R60J105KE19D
C321,C322,C332,C333	2203-006399	GRM155R60J105KE19D
C335,C343,C344,C419	2203-006399	GRM155R60J105KE19D
C425,C429,C431,C433	2203-006399	GRM155R60J105KE19D
C445,C505,C508,C558	2203-006399	GRM155R60J105KE19D
C559,C560,C561	2203-006399	GRM155R60J105KE19D
C109,C114,C115,C152	2203-006562	CV05X5R105K10AH
C164,C214,C221,C238	2203-006562	CV05X5R105K10AH
C311,C446	2203-006562	CV05X5R105K10AH
C110,C342	2203-006681	GRM155F51E104ZA01D
C163,C323,C331,C514	2203-006824	CV105X5R475K10AT
C555	2203-006824	CV105X5R475K10AT
C149,C150,C151	2203-006841	CV05X5R105K16AH
C312,C428,C430	2203-006844	CV05X5R474K10AH

Design LOC	SEC CODE	Description
C166,C168,C216,C240	2203-006872	GRM155R60J225ME15D
C301,C553	2203-006872	GRM155R60J225ME15D
C302,C329,C330	2203-006890	CV105X5R106M06AT
BAT300	2203-007230	CL21A476MQYNNNE
C200,C414	2203-007240	CL10A226MQ8NRNE
C217,C328,C409	2203-007270	CL10A106KP8NNNC
C102,C314,C520	2203-007279	CV105X5R106M10AT
C307,C320,C334,C442	2203-007317	CV05X5R475M06AH
C506	2203-007317	CV05X5R475M06AH
C127,C347	2203-007393	CL05A475KP5NRNC
C177	2203-007758	GRM1555C1HR75B
TA500	2404-001225	TEESVJ0J106MLE8R
TA301	2404-001506	TCTP1A476M8R-D
TA300	2404-001572	298D226X0010M2T
L125	2703-001409	LL1005-FH12NK
U109	2703-001708	HK1005-5N6K-T
L200,L201	2703-001726	LL1005-FH27NJ
L110,L111	2703-001733	LL1005-FH8N2J
L101,L107	2703-001749	LL1005-FH1N0S
L102	2703-001751	LL1005-FH3N9S
L117,L118	2703-001990	LL1005-FH22NJ
L116,L131	2703-002176	CIH05T2N7SNC
L112,L504	2703-002200	CIH05T18NJNC
C140	2703-002204	CIH05T22NJNC
L108,L502	2703-002207	CIH05T3N3SNC
C528	2703-002208	CIH05T2N2SNC
L100,L115,L503	2703-002267	CIH05T4N7SNC
L401,L403,L406,L407	2703-002269	CIH05T56NJNC
L501	2703-002269	CIH05T56NJNC
L119,L412	2703-002313	CIH05TR10JNC
L104	2703-002314	CIH05T47NJNC
L106,L114	2703-002367	CIH05T1N0SNC
L105	2703-002369	CIH05T1N5SNC
L121	2703-002708	LQW15AN1N5C00D
L300	2703-002840	LPF2015T-4R7M
L410	2703-003121	MLG1005SR15J

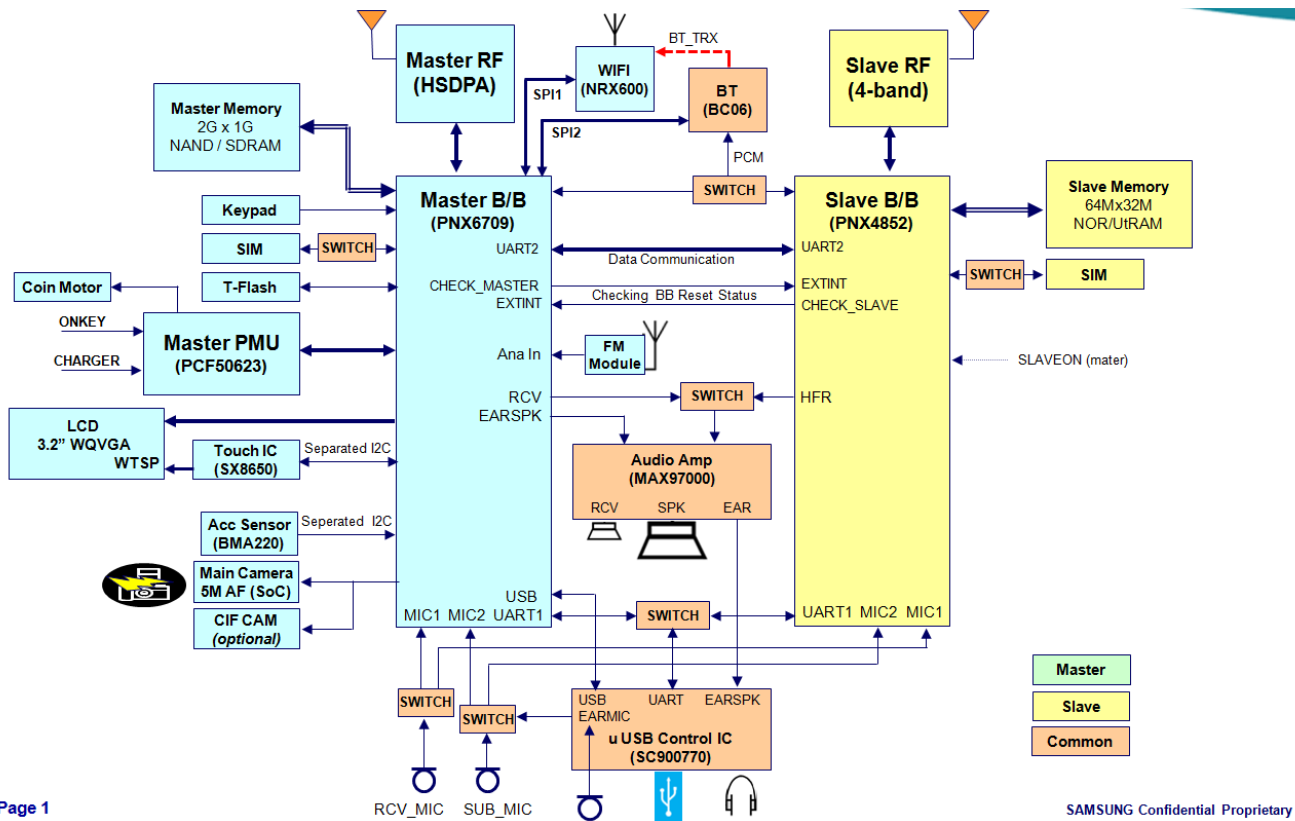
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L301	2703-003194	LPF2015T-6R8M
L506	2703-003297	APIS08G4R7MT
L305	2703-003485	CIG22L100MNE
L302	2703-003498	LPS181210T-6R8M
L303	2703-003685	CIG21L4R7MNE
L306	2703-003687	CIG21L1R0MNE
L124	2703-003698	LQM2HPN3R3MG0L
L411	2703-003878	CIG10WR27MNC
OSC100	2801-004786	FA-20H(40MHZ,10PPM)
DCX100	2801-004787	CXC6X260000GHVRN00
OSC300	2801-004902	ST3215SB32768E0HPWBB
OSC500	2801-004954	SQ2D02600B2JBG
F303,F304,F305,F306	2901-001435	AVRC-14S-03Q-030-200R
F307	2901-001435	AVRC-14S-03Q-030-200R
F300,F301,F302	2901-001469	AVRC-18S-03Q-007-010R
F100	2903-001424	TBB-2012-245-C1E
F501	2904-001879	SFR942PY002
F502	2904-001910	SFHG48AQ102
DUF100	2910-000070	SAYFP1G95AA0B00
F500	2911-000154	LMSP2PAAA023
FEM100	2911-000155	D5027
RCV_MIC	3003-001136	SPU0410HR5H
RCV_PAD	3009-001489	RS061122HF19N
L500	3301-001158	BLM18PG300SN1D
L304,L505	3301-001534	BLM15AG121SN1D
L202,L203,L204,L205	3301-001812	BLM15HD102SN1
L400,L402,L404,L405	3301-001812	BLM15HD102SN1
L408	3301-001851	BLM18PG330SN1
L206	3301-001569	CIC21J601NE
DOWN,HOLD,SWAP,UP	3404-001410	LS12M2E-T
RFS100,RFS500	3705-001503	KMS-560
HEA300	3708-002234	FF12-40A-R12BN-D3
CN400	3708-002236	FF12-12A-R12BN-D3
SIM200,SIM201	3709-001488	5000-6P-1.5S
CD200	3709-001575	SCHA4B0301
HEA301	3711-005793	14-5602-034-000-829

Design LOC	SEC CODE	Description
BTC300	3711-007393	KQ03SB2-3R
IFC200	3722-003065	HY07-AB0721
C447	2203-000812	GRP1555C1H330J
MOT_PAD	GH31-00499A	DMJBRN1036DL
CAM_KEY	GH59-09350A	VUW0135-0101000
SC200,SC201,SC202	GH70-03349A	ONBOARD-CLIP-6
SC203,SC204,SC205	GH70-03349A	ONBOARD-CLIP-6
SC206,SC207,SC208	GH70-03349A	ONBOARD-CLIP-6
SC209,SC210	GH70-03349A	ONBOARD-CLIP-6
SC211,SC212,SC213	GH70-04443A	ONBOARD-CLIP-9
SC214,SC215,SC216	GH70-04443A	ONBOARD-CLIP-9
SC217	GH70-04443A	ONBOARD-CLIP-9
ANT100,ANT101,ANT500	GH71-08731A	HJ-ICT-05
ANT501,SPK_N,SPK_P	GH71-08731A	HJ-ICT-05
ANT102	GH71-08818A	SGHA877-BATT
F102	2909-001319	DEA162450BT-2096A1-H
F101	4709-001927	LDM152G4505HC012
ZD200,ZD201	0406-001413	PESD5V0F1BL

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

8. Level 3 Repair

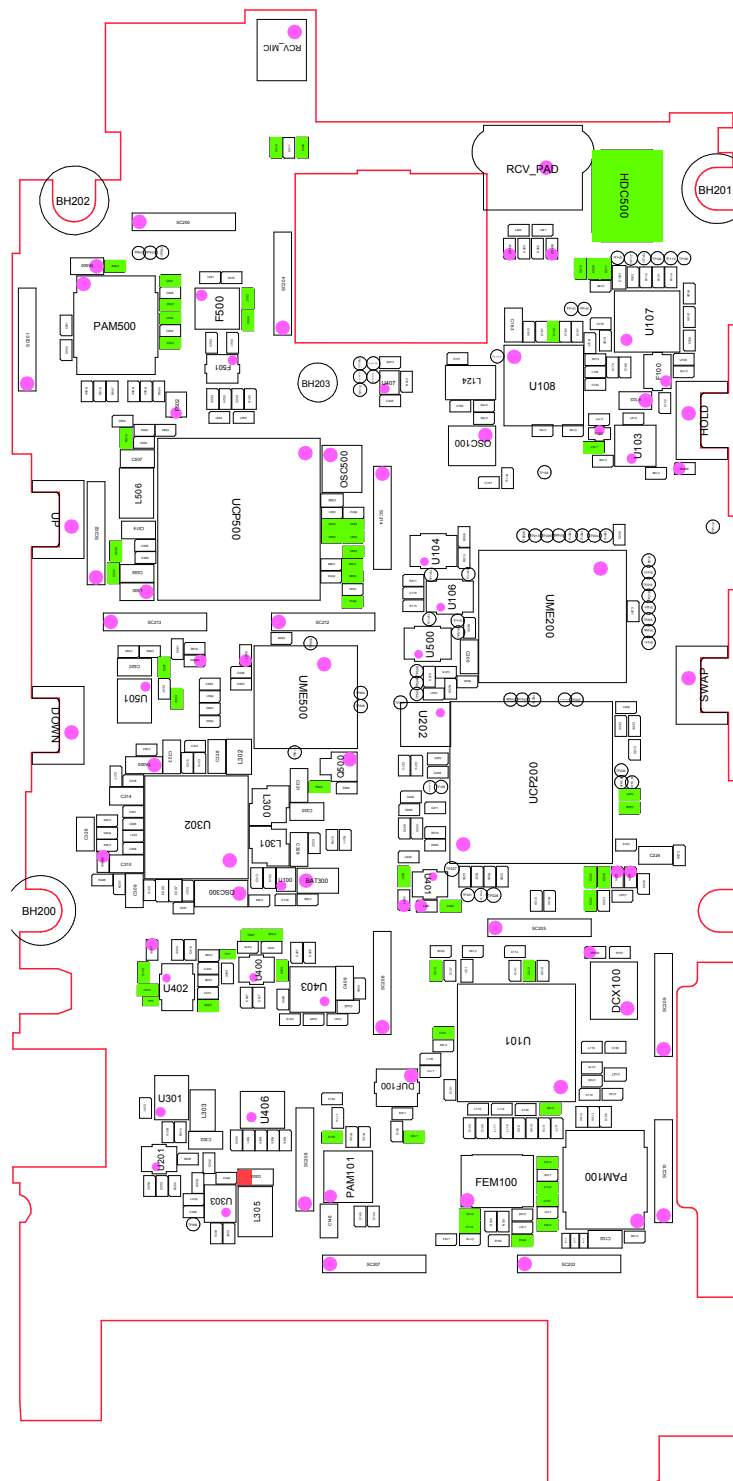
8-1. Block Diagram



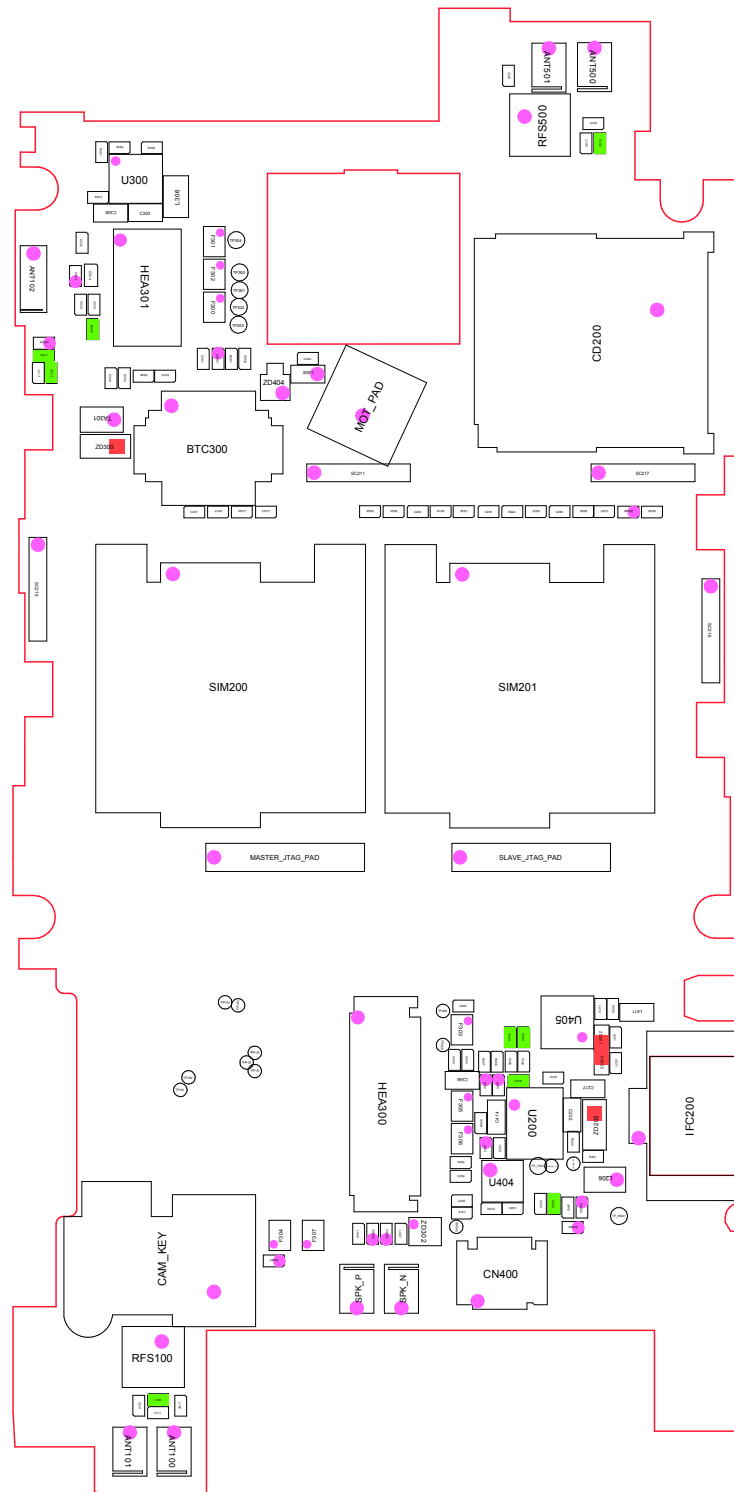
SAMSUNG Confidential Proprietary

8-2. PCB Diagrams

8-2-1. Top



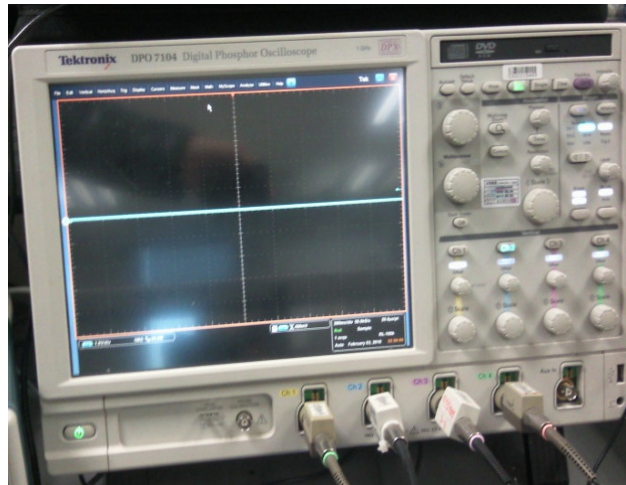
8-2-1. Bottom



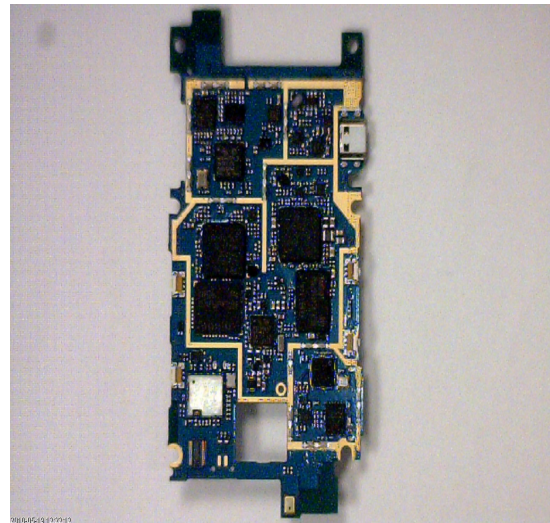
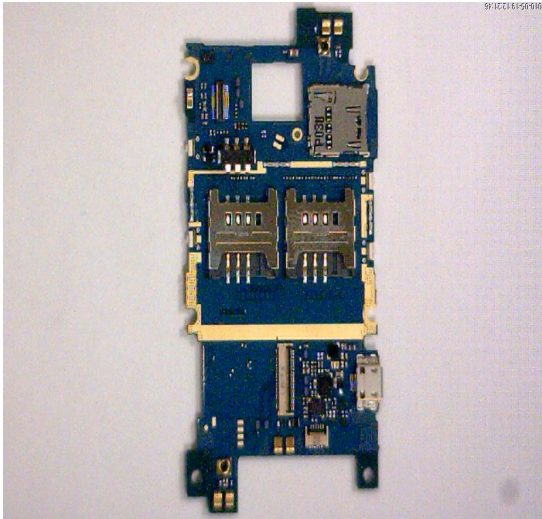
8-3. Flow Chart of Troubleshooting

※ Presetting methods for checking TP

- GND & TP(exp. Vbatt=C102, C108, C212, C331) using Oscilloscope
- look over the coming out signal.

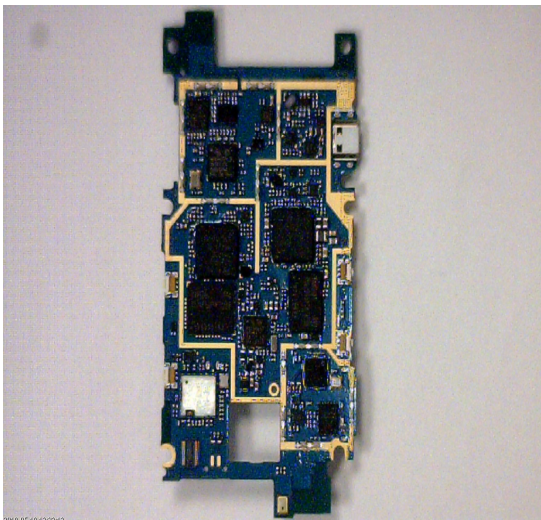


← Oscilloscope





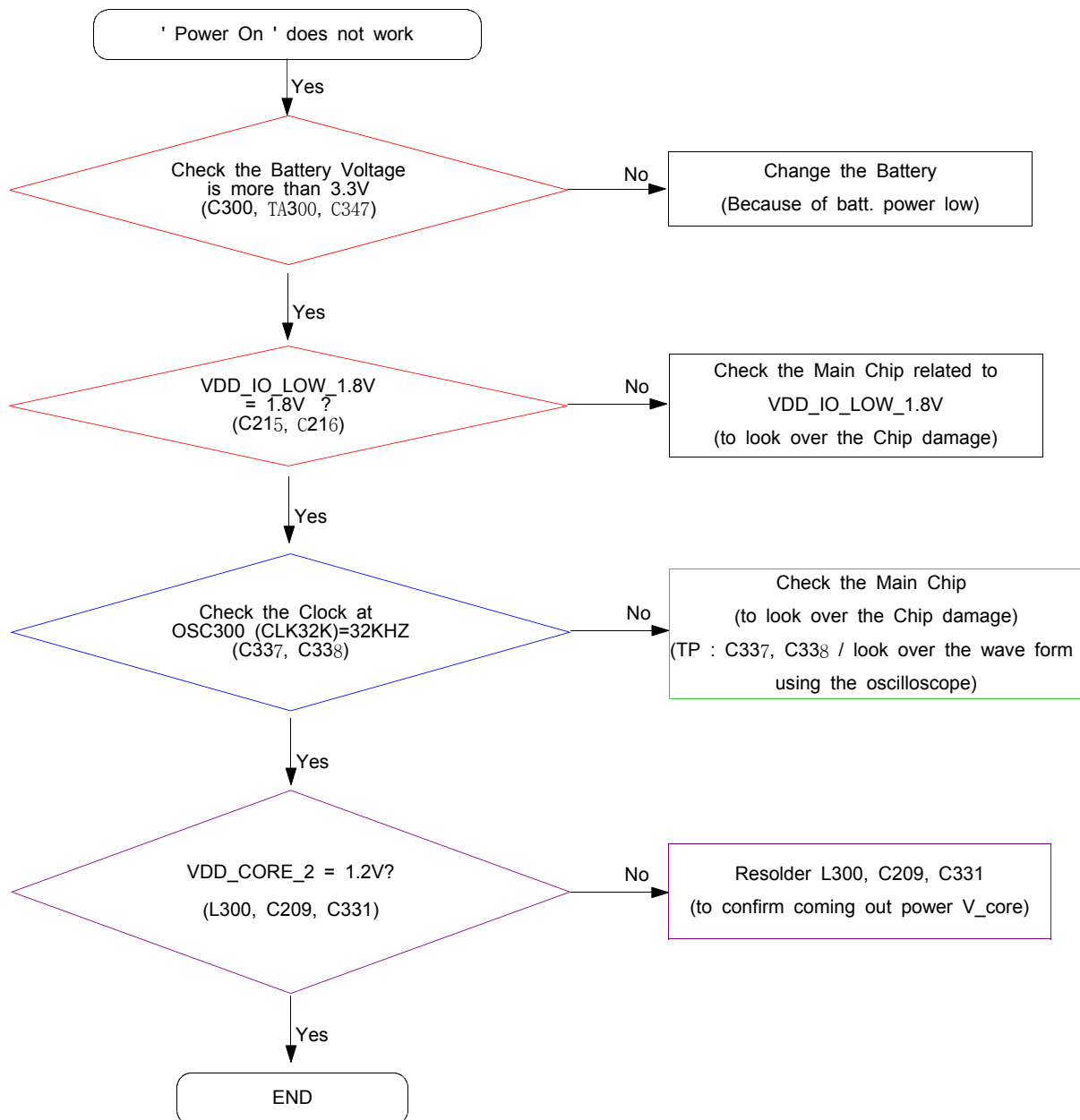
← Multi-meter



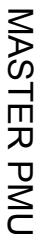
← Checking the TP(test point) using Multi-meter

- EX) to look up the TP, shunt Cap. - if checking the GND, you can listen "beep"
- if checking the Signal, you can't listen it.

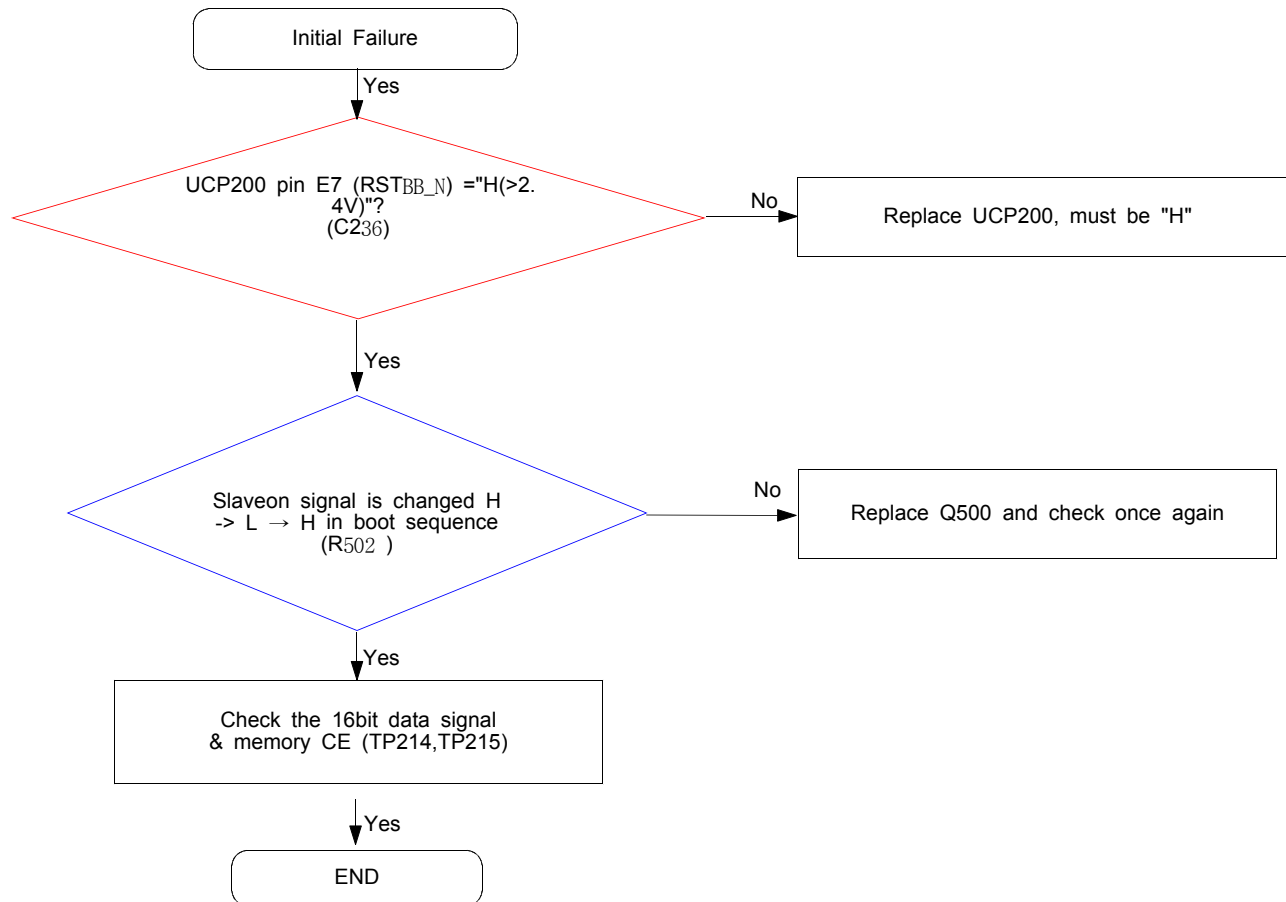
8-3-1. Power On





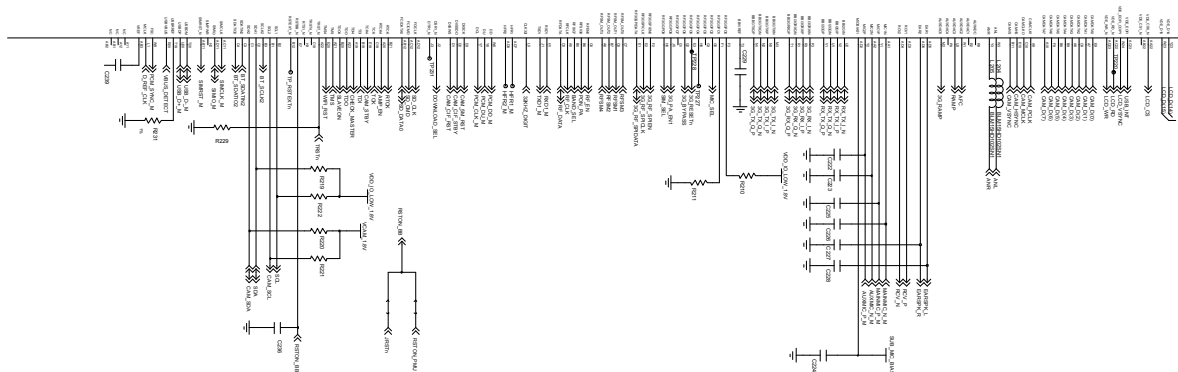


8-3-2. Initial

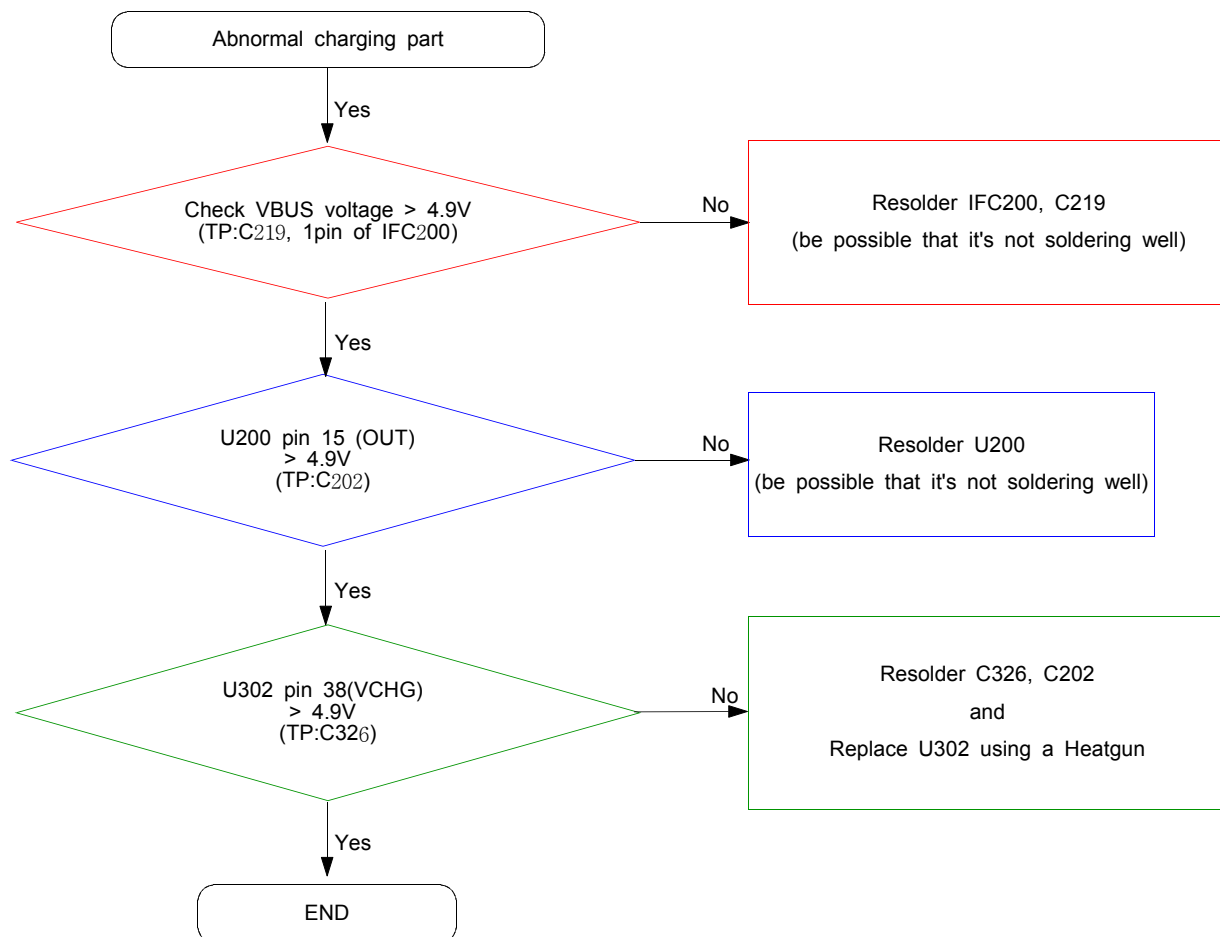


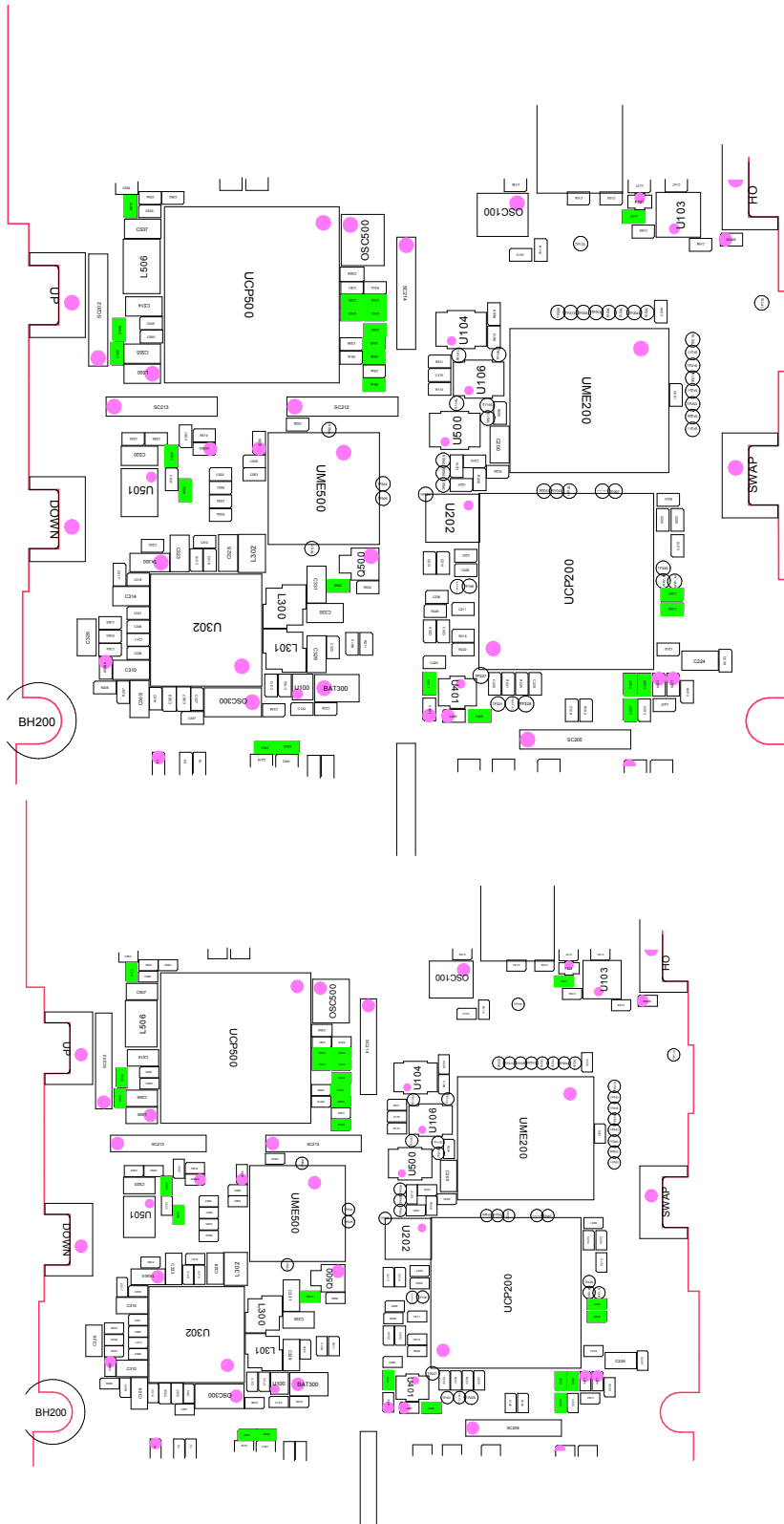


UCP200



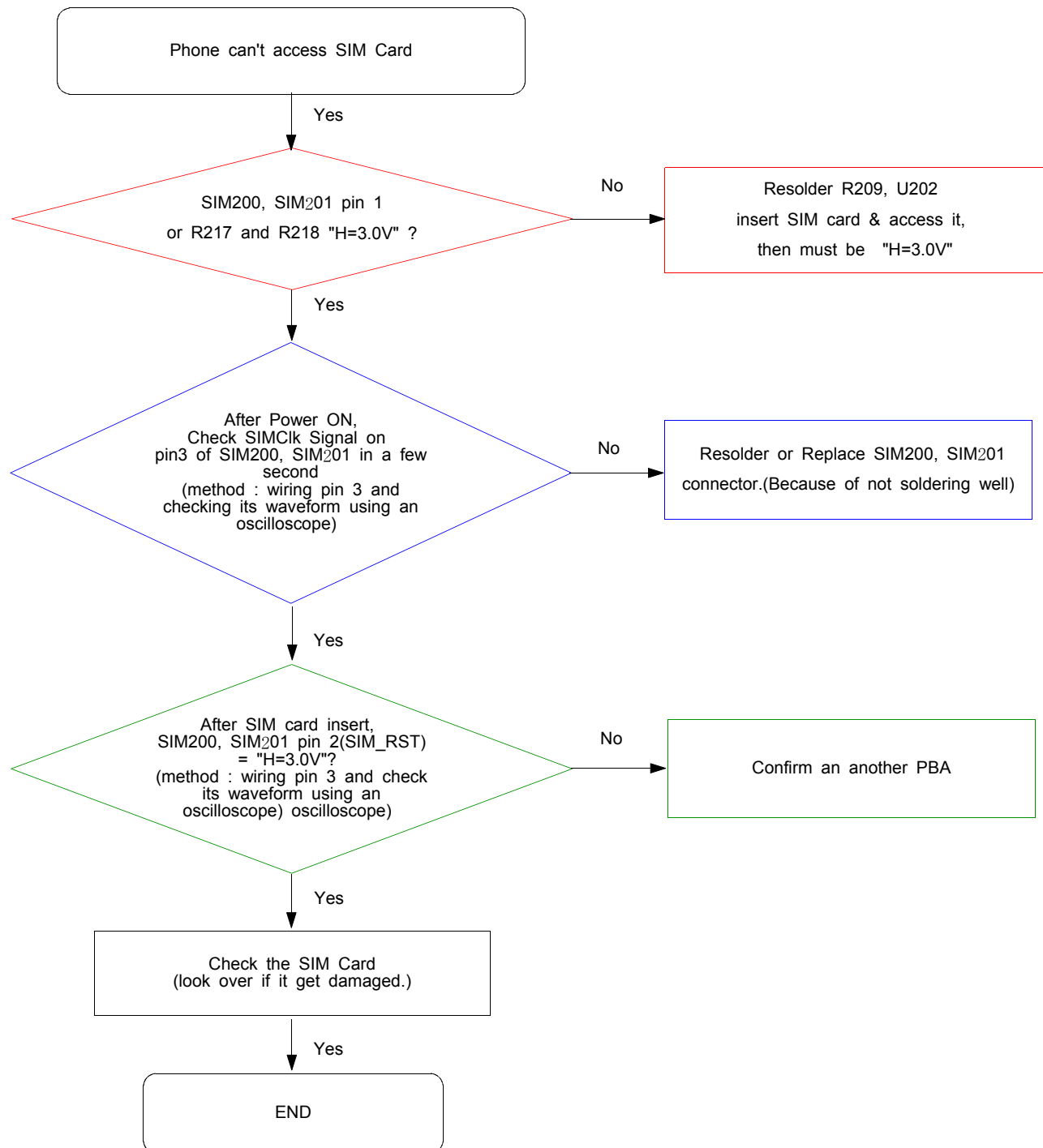
8-3-3. Charging Part

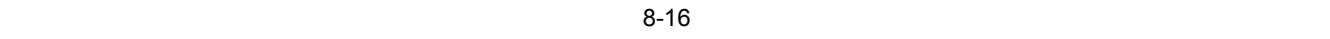


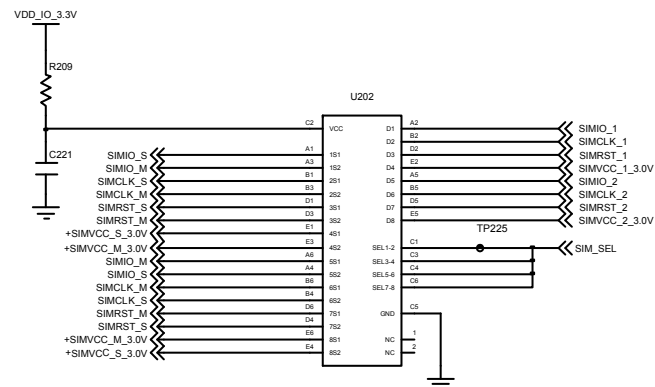




8-3-4. Sim Part







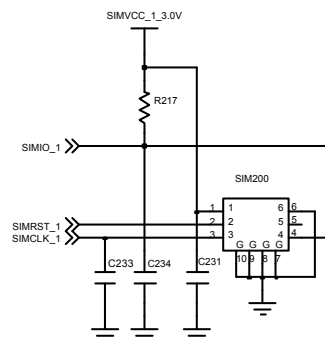
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H	MASTER
L	SLAVE

SIM SELECT
[MASTER]

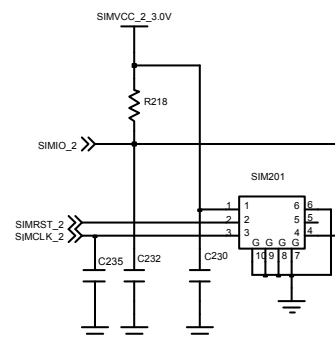
SIM_SEL(SIM2)	
H	SLAVE
L	MASTER

SIM SELECT
[SLAVE]

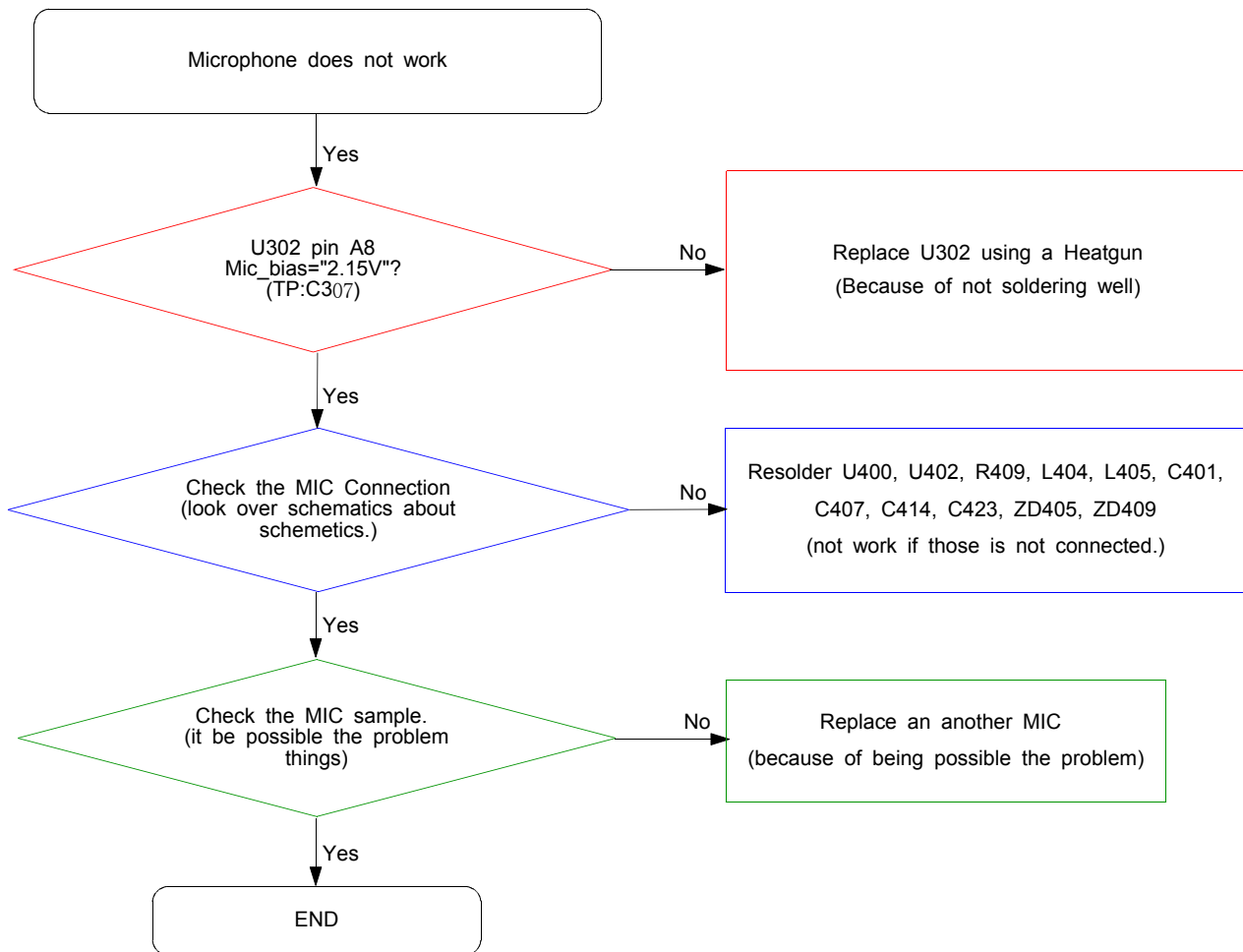
SIM1 [MASTER]

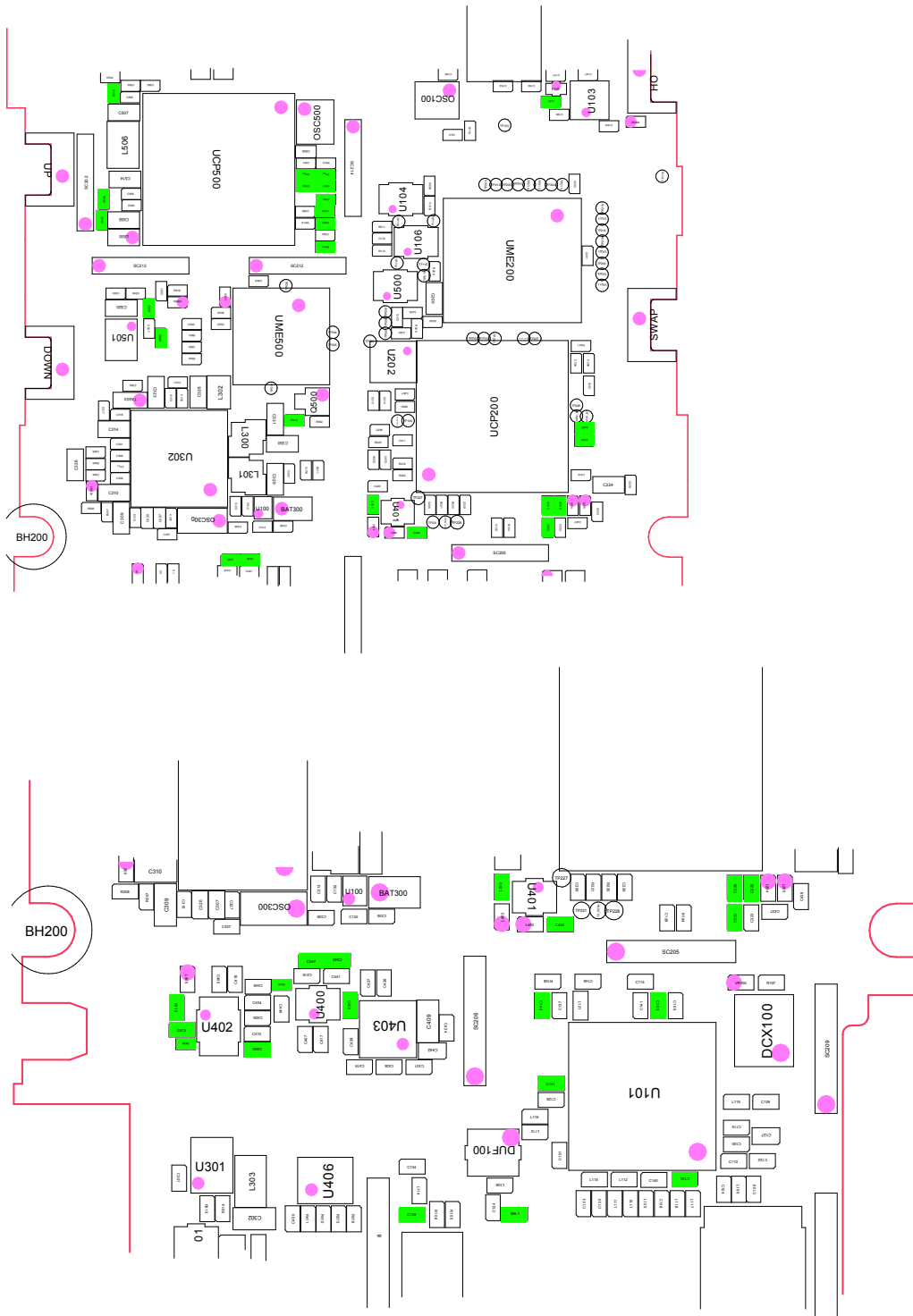


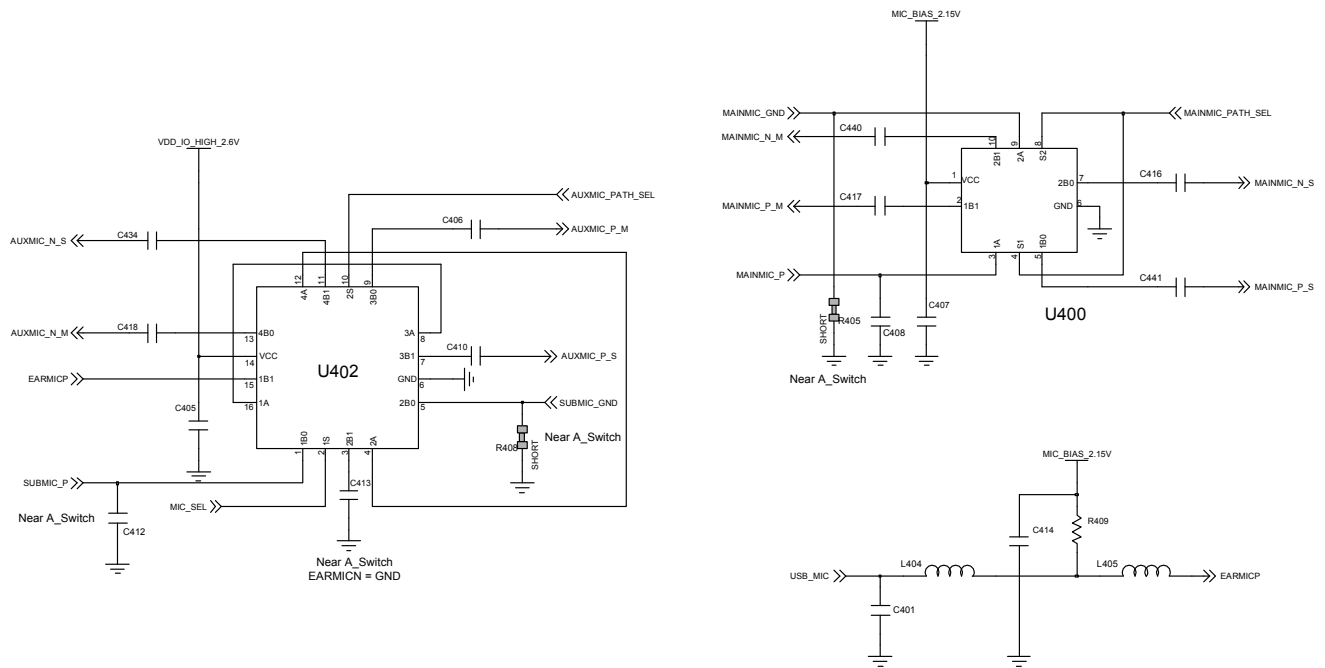
SIM2 [SLAVE]



8-3-5. Microphone Part

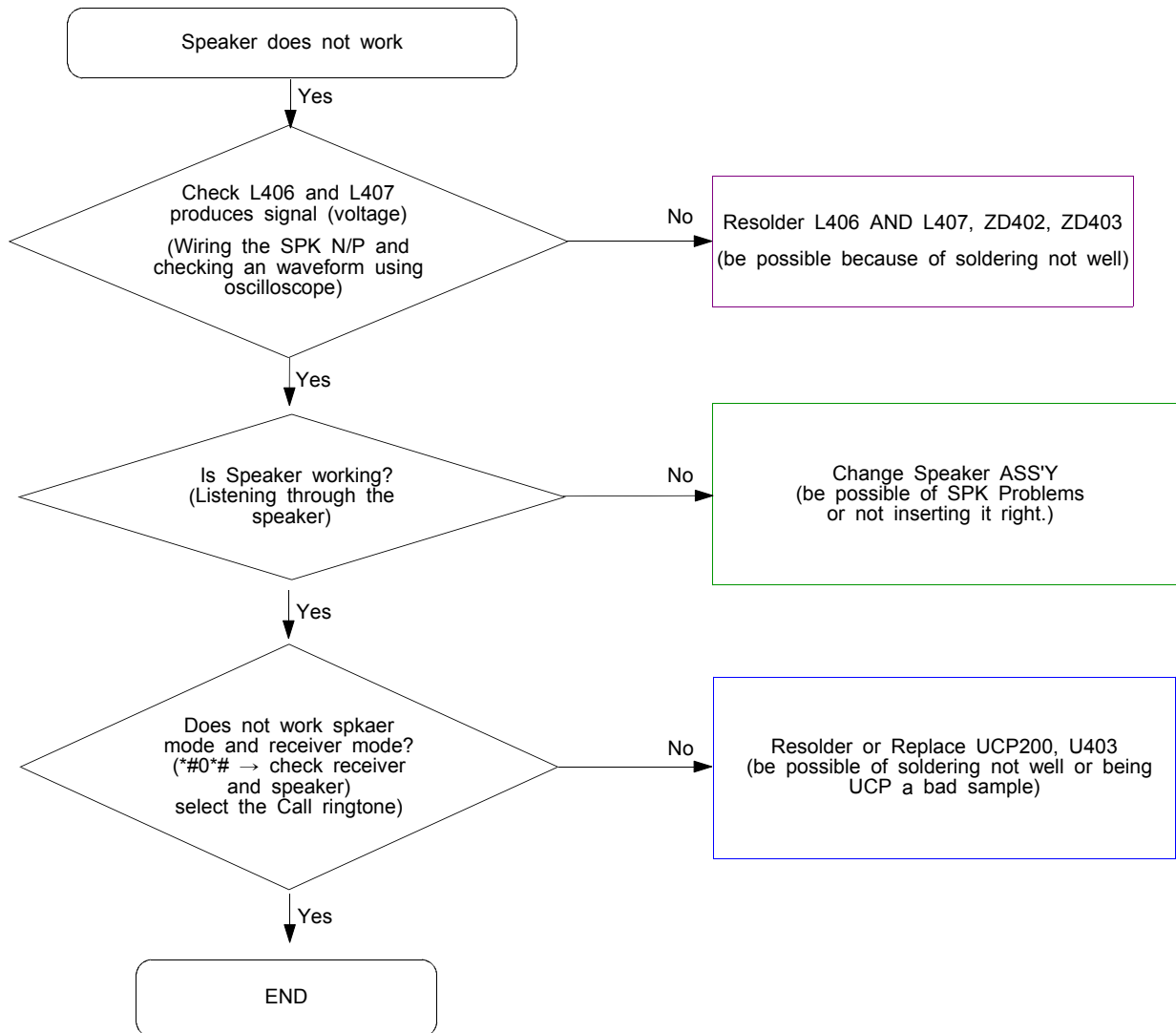


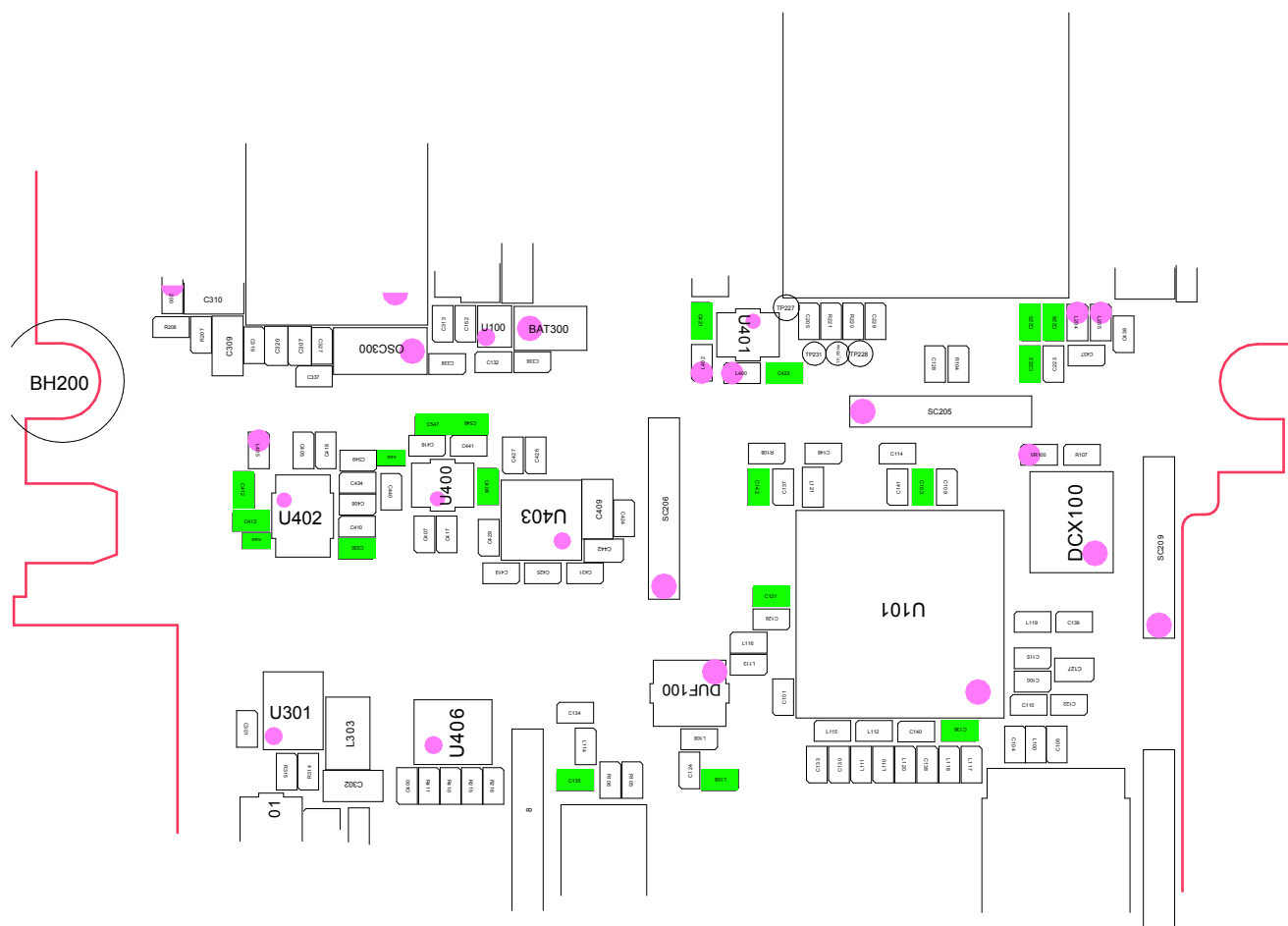


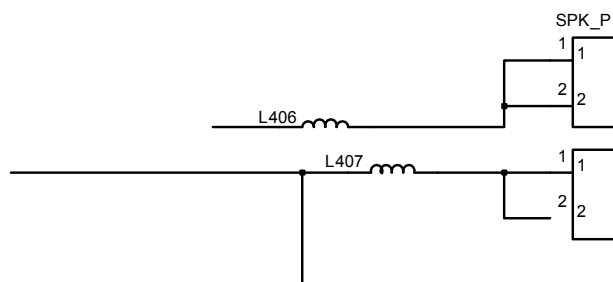
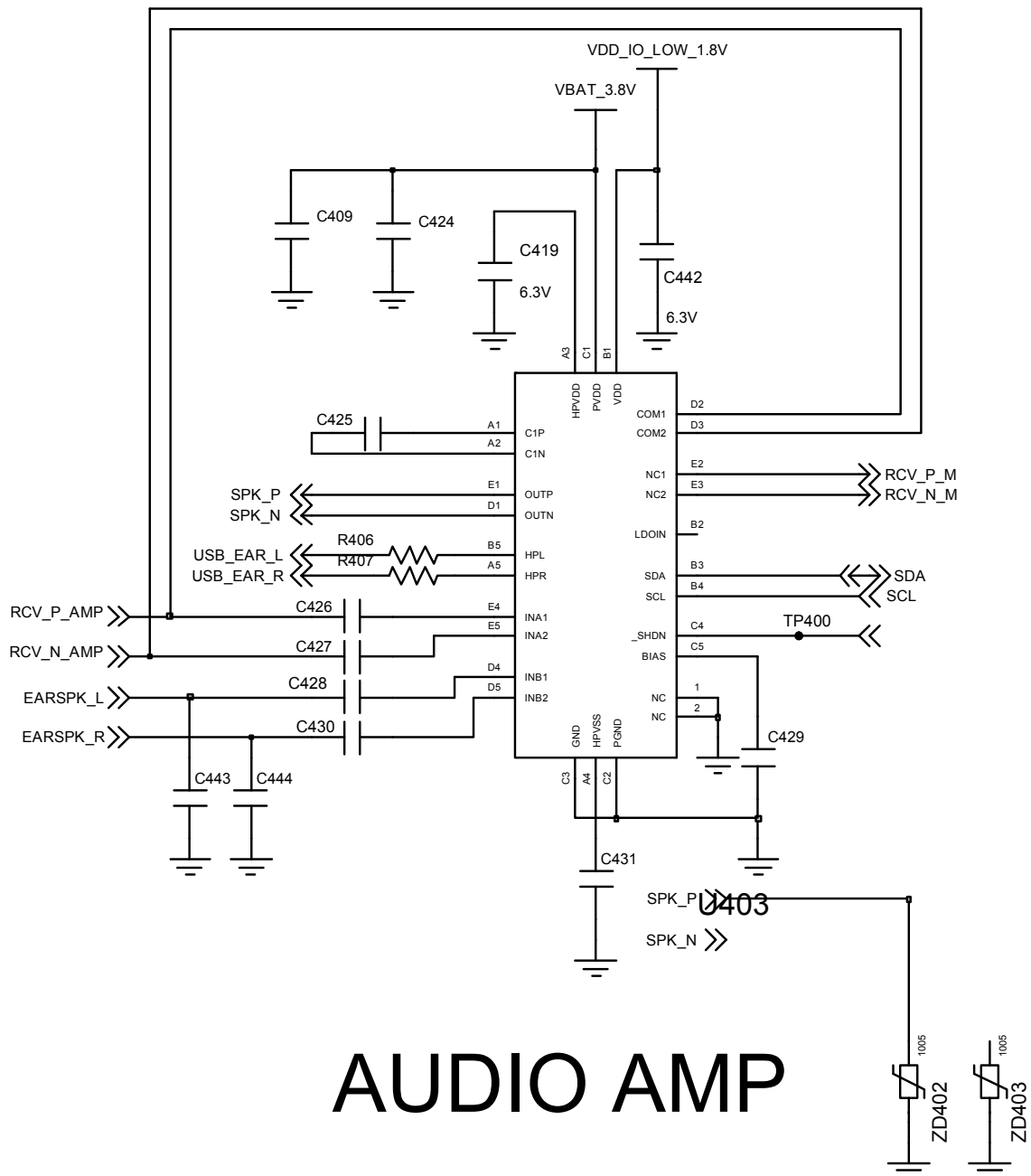


MICROPHONE

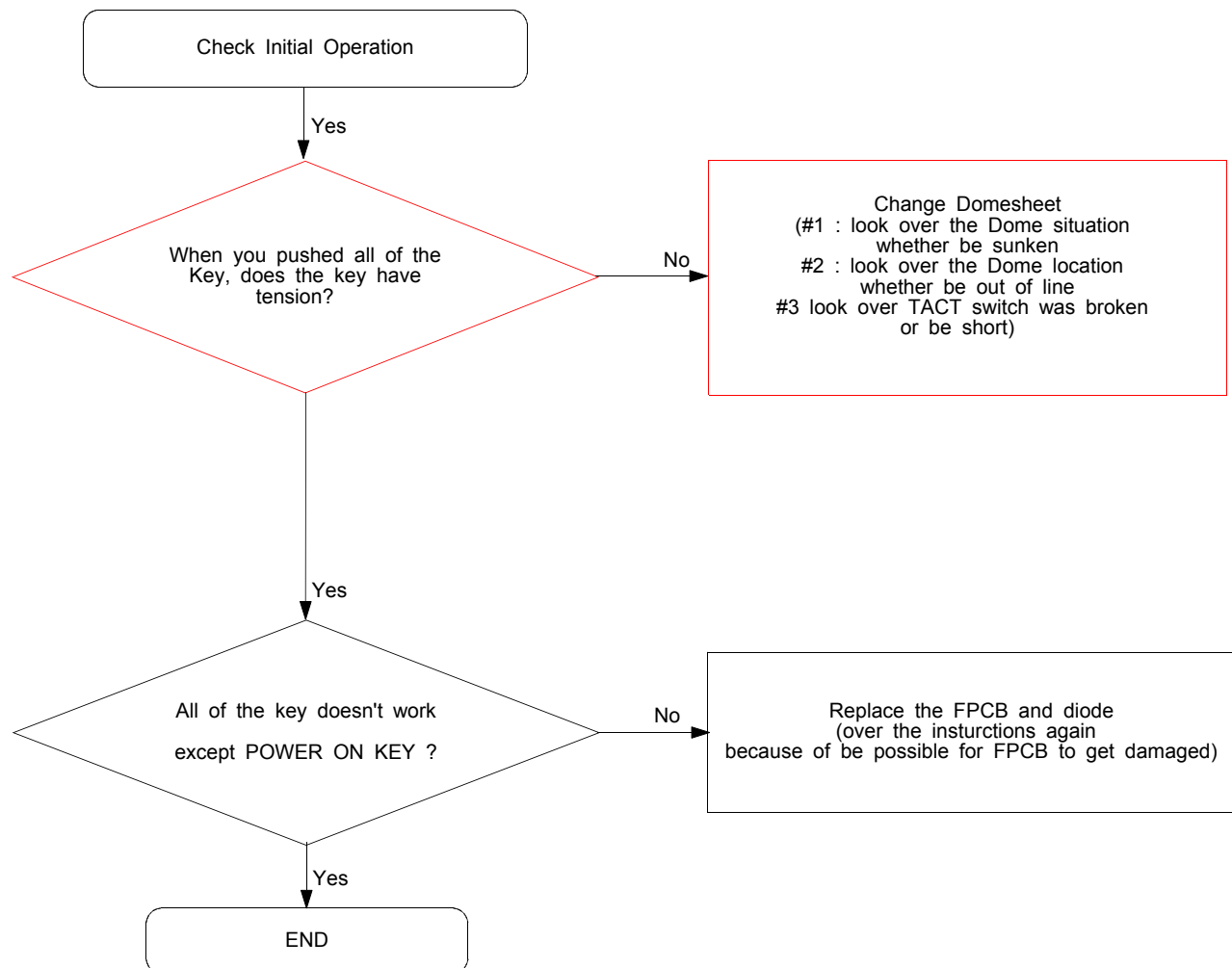
8-3-6. Speaker Part

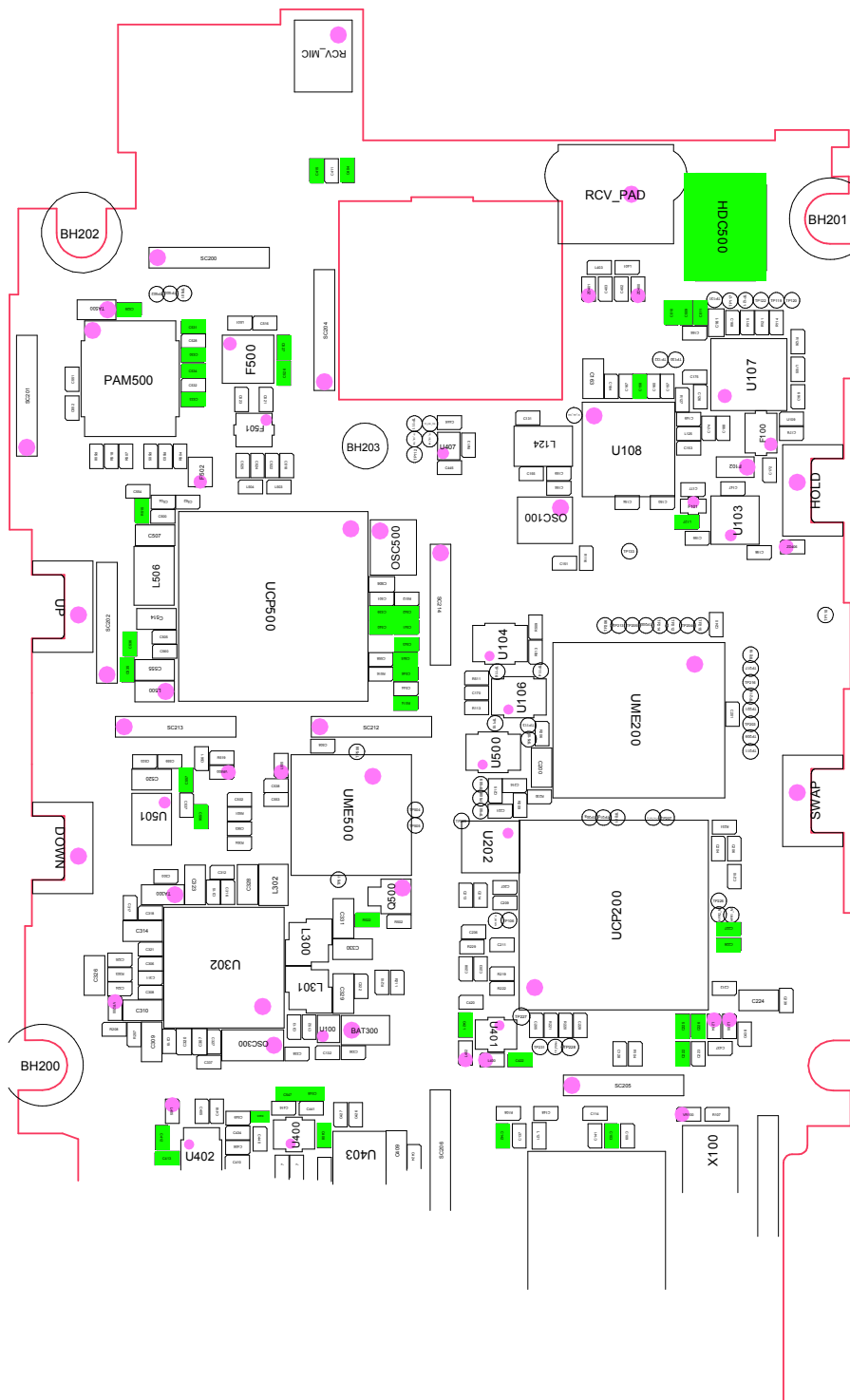


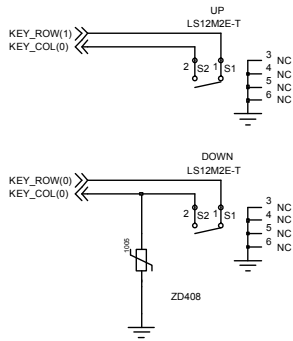




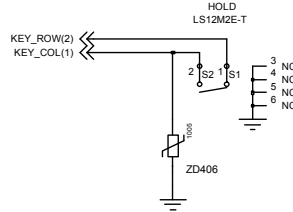
8-3-7. Key Data Input



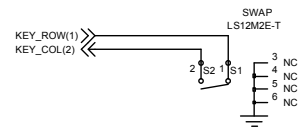




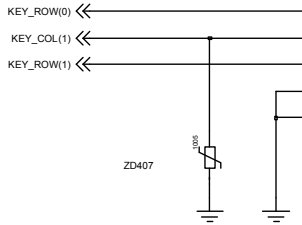
VOLUME KEY



HOLD KEY

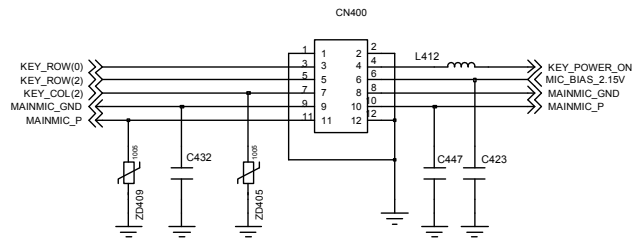


SWAP KEY



CAMERA KEY

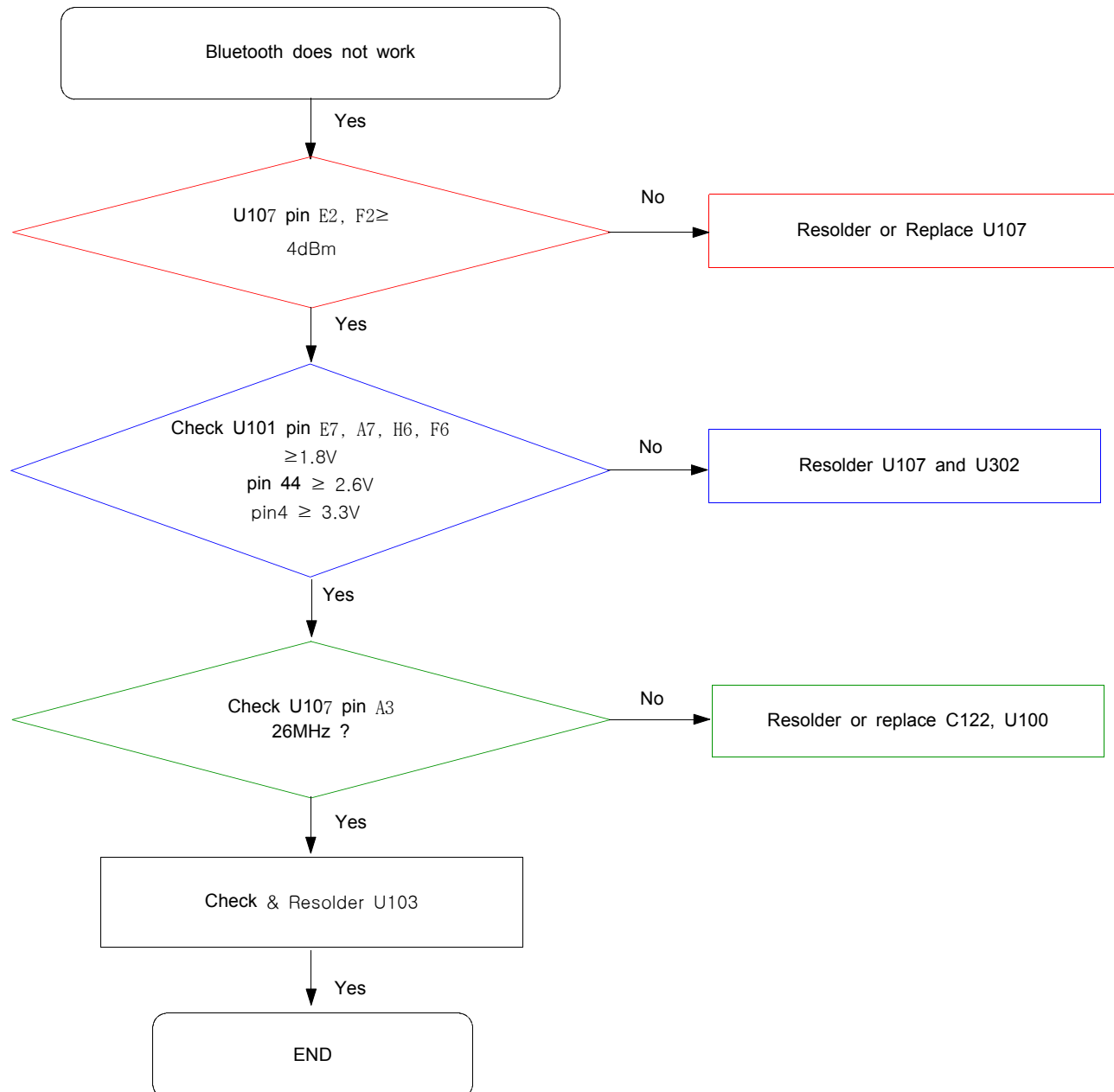
1st action : KBC(0), KBR(1) close
2nd action : KBC(0), KBR(3) close

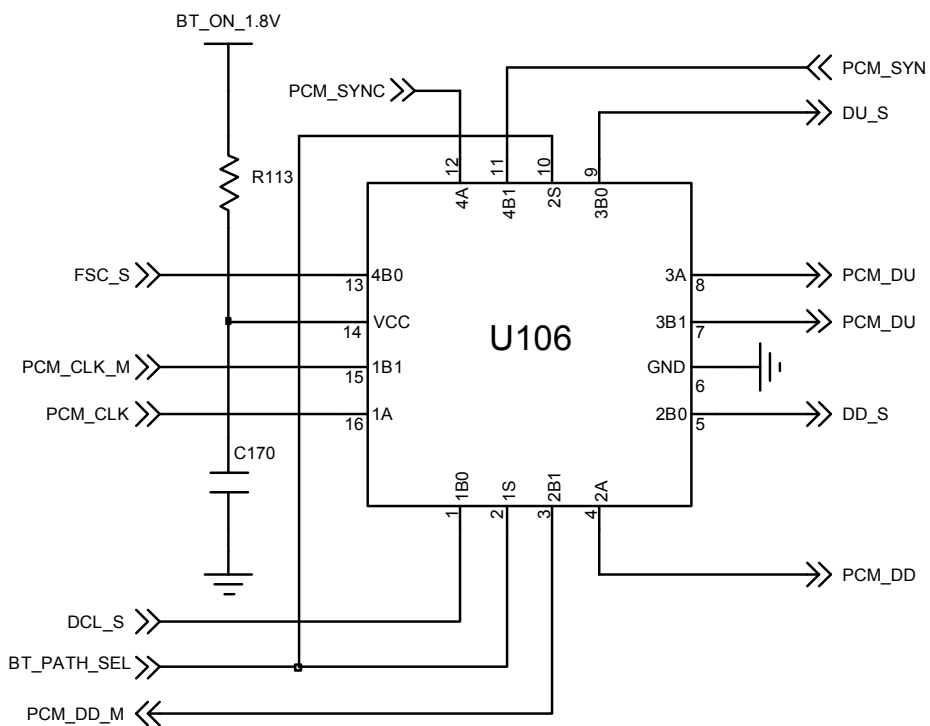
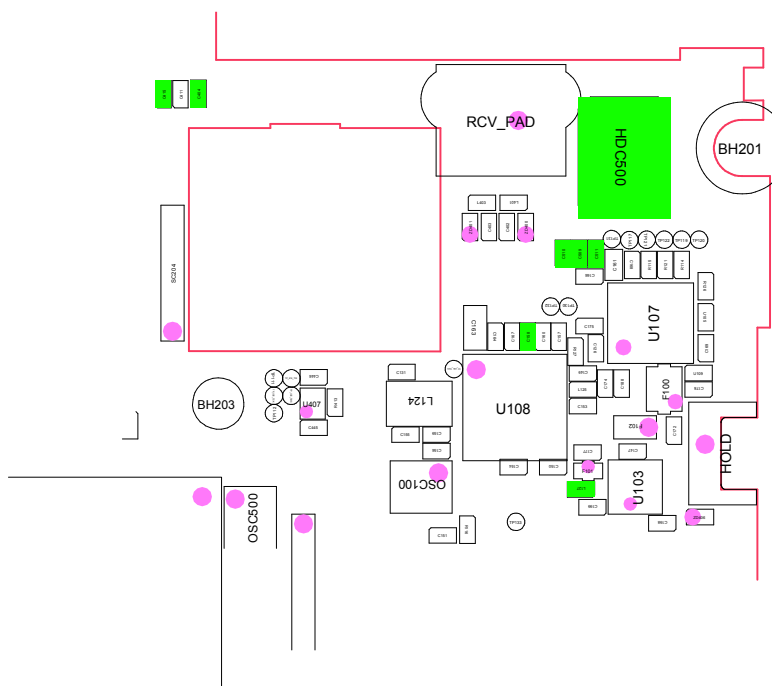


KEY Connector



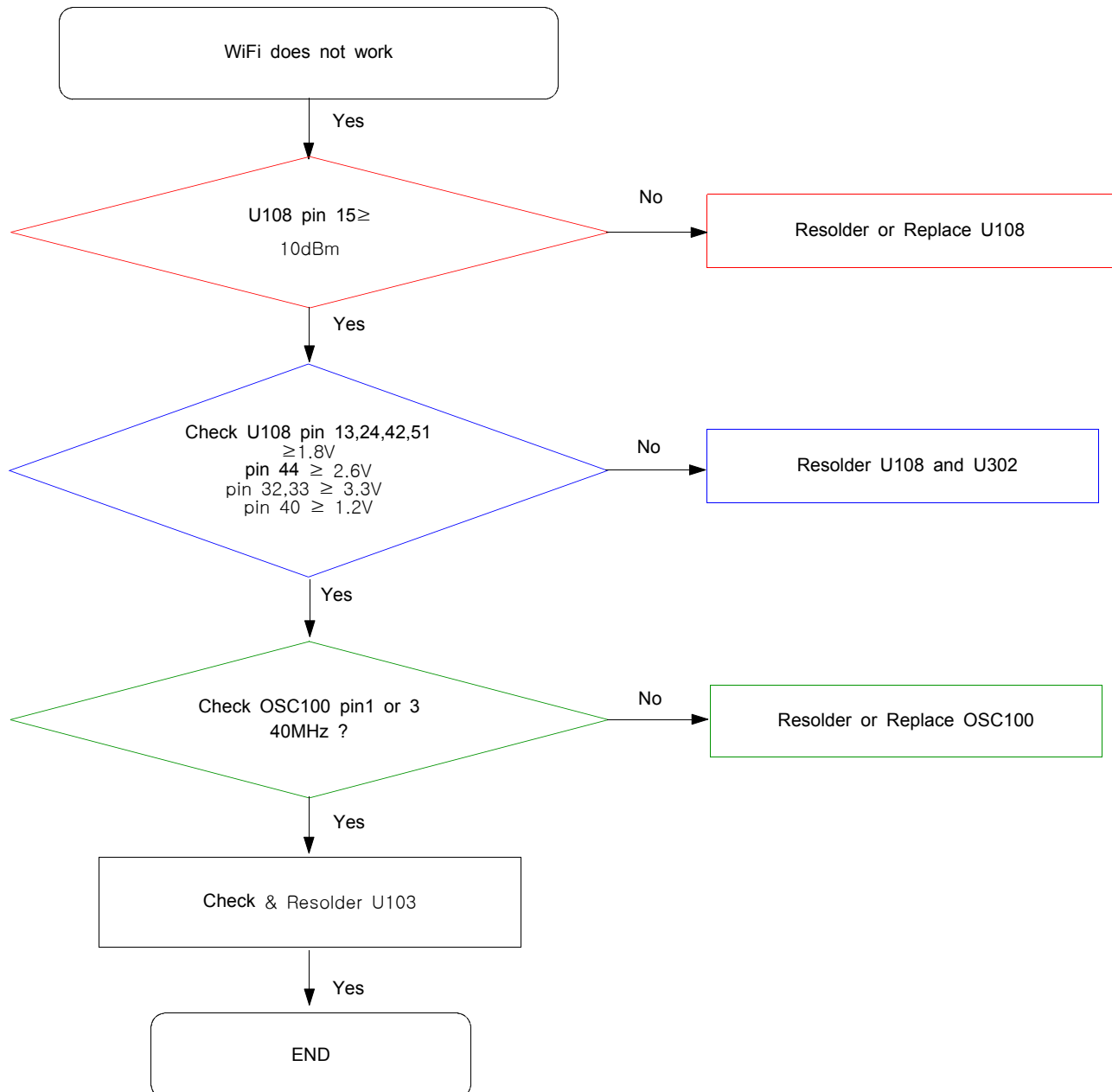
8-3-8. Bluetooth

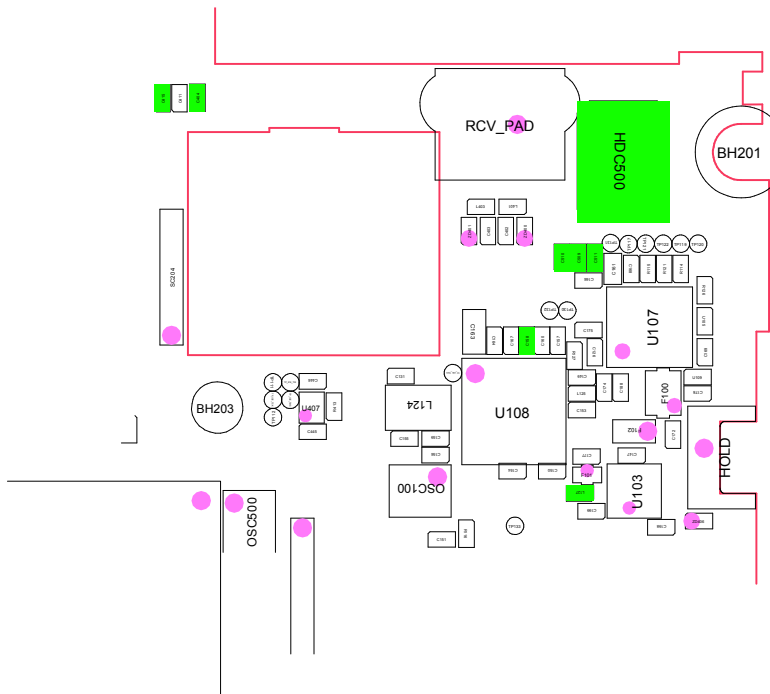


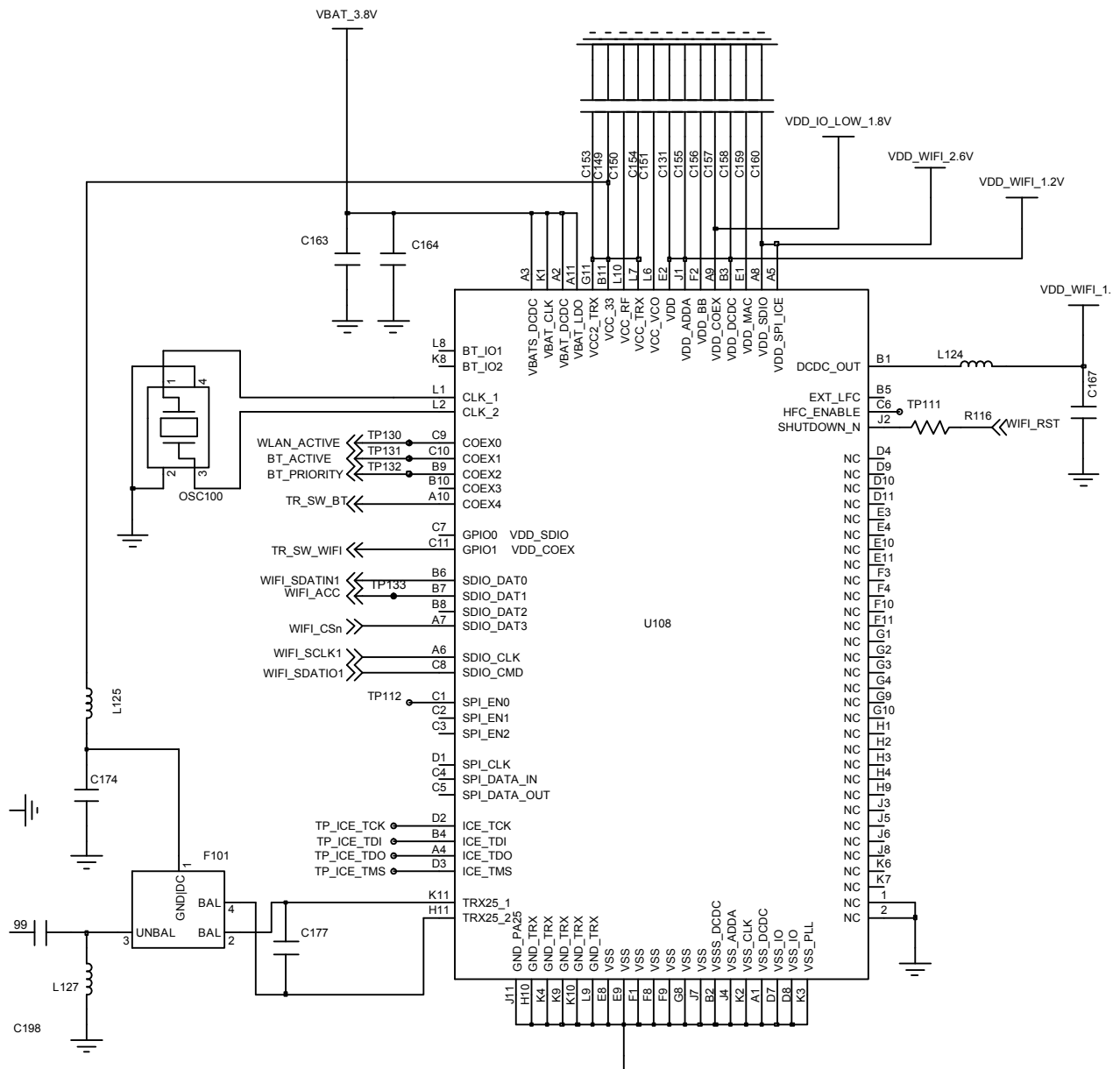


BT SELECT

8-3-9. WiFi







※ presetting 8960

(Rx setting)

1. Active Cell
: select GSM or GPRS
2. Connetion Type
: select Auto
3. BCH Parameter
: select measuring band (DCS or EGSM)
4. Cell power
: -60dBm

(Tx setting)

※ After setting 8960 (EGSM / DCS)

1. After setting, prepare the call setup Display
2. Using an Originate Call, make a call.
3. Confirm the display "connected"
4. start the measuring

The screenshot displays the 'Call Setup Screen' with the following sections and data:

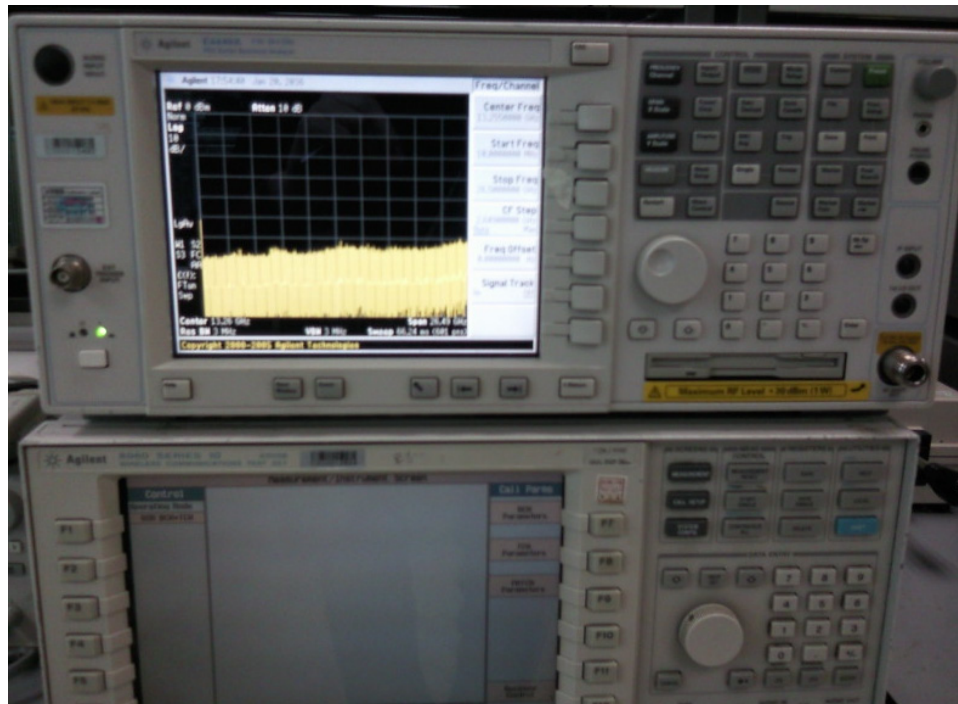
- Control**
 - Operating Mode: DUT Information for IMEI 010405000000640
 - Active Cell: IMSI: 001010123456789, Multislot Class (GPRS): ----, Called Num: 112, Multislot Class (EGPRS): ----
 - Connection Type: Auto
 - End Call (highlighted with a red circle and a circled '1')
 - Paging IMSI: 001010123456789
 - Handover Setup
 - Cell Info
 - 1 of 2
- Call Setup**
 - Traffic Channel Downlink Power: Burst 1, 2, 3, 4: -60.00, ----, ----, ---- dBm, Unused Bursts: ---- dBm
 - Counters:

Page:	2	DUT IP Tx, Packets:	----
RACH:	1	Bytes:	----
PRACH:	0	DUT IP Rx, Packets:	----
Missing Burst:	0	Bytes:	----
Corrupt Burst:	0		
Decode Error:	0		
 - Error Reports:

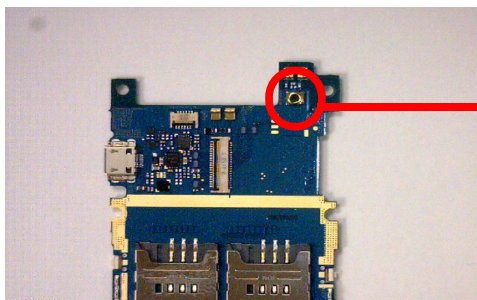
Burst Timing Error:	0.50 T
BLER (Block Error Rate):	---- % over ---- blocks
USF BLER:	---- % over ---- blocks
- Call Params**
 - BCH Parameters
 - TCH Parameters
 - PTCH Parameters
 - Receiver Control

At the bottom, there is a status bar showing 'Active Cell Connected' (highlighted with a red circle and a circled '2') and 'Sys Type: GSM'. Below the screen, the text '< Call이 연결된 화면 >' is displayed.

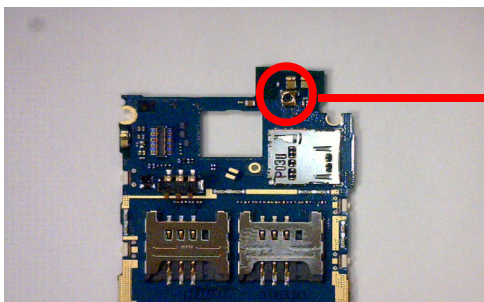
※ 8960 & spectrum analyzer (down & up at picture)



- spectrum analyzer : testing method = the way using an Oscilloscope
- 8960 : connect using RF Cable between 8960 & RF Connector in board.

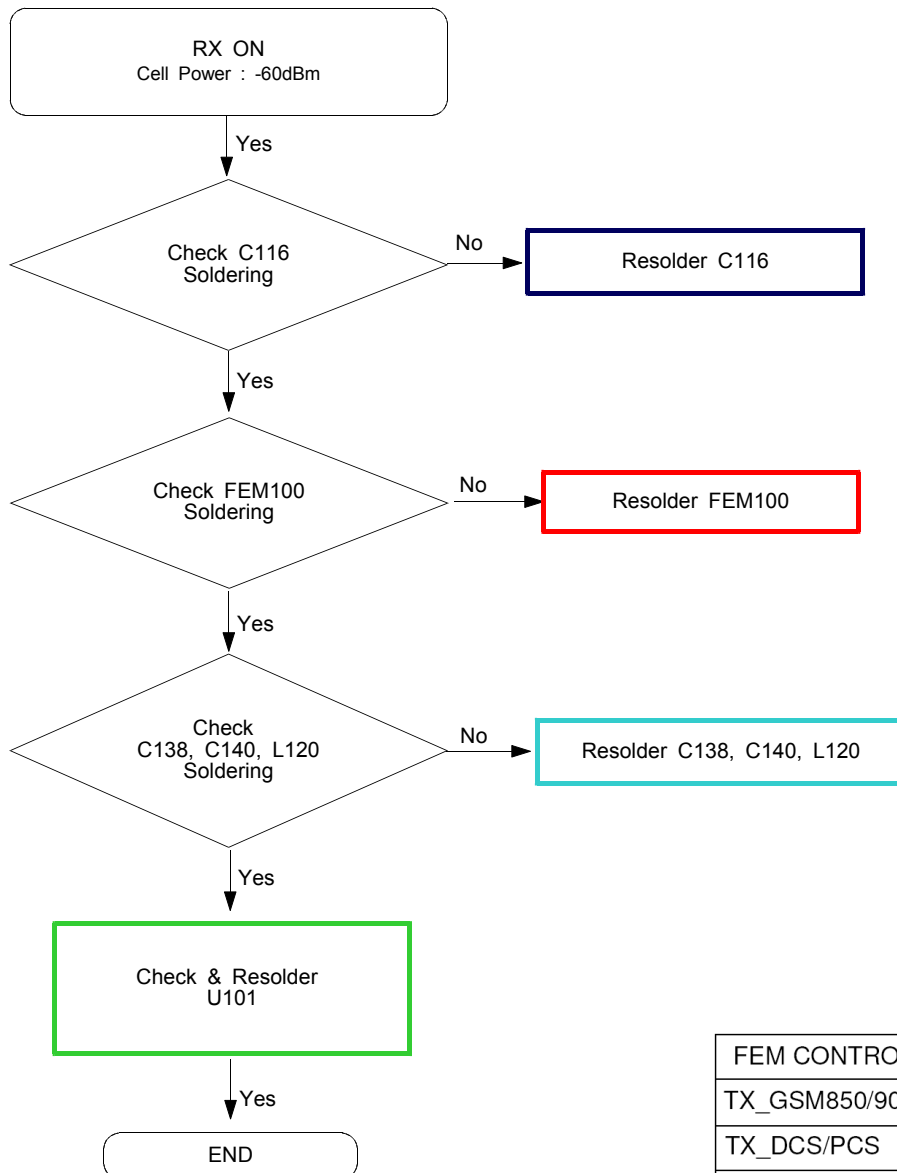


Master RF Connector



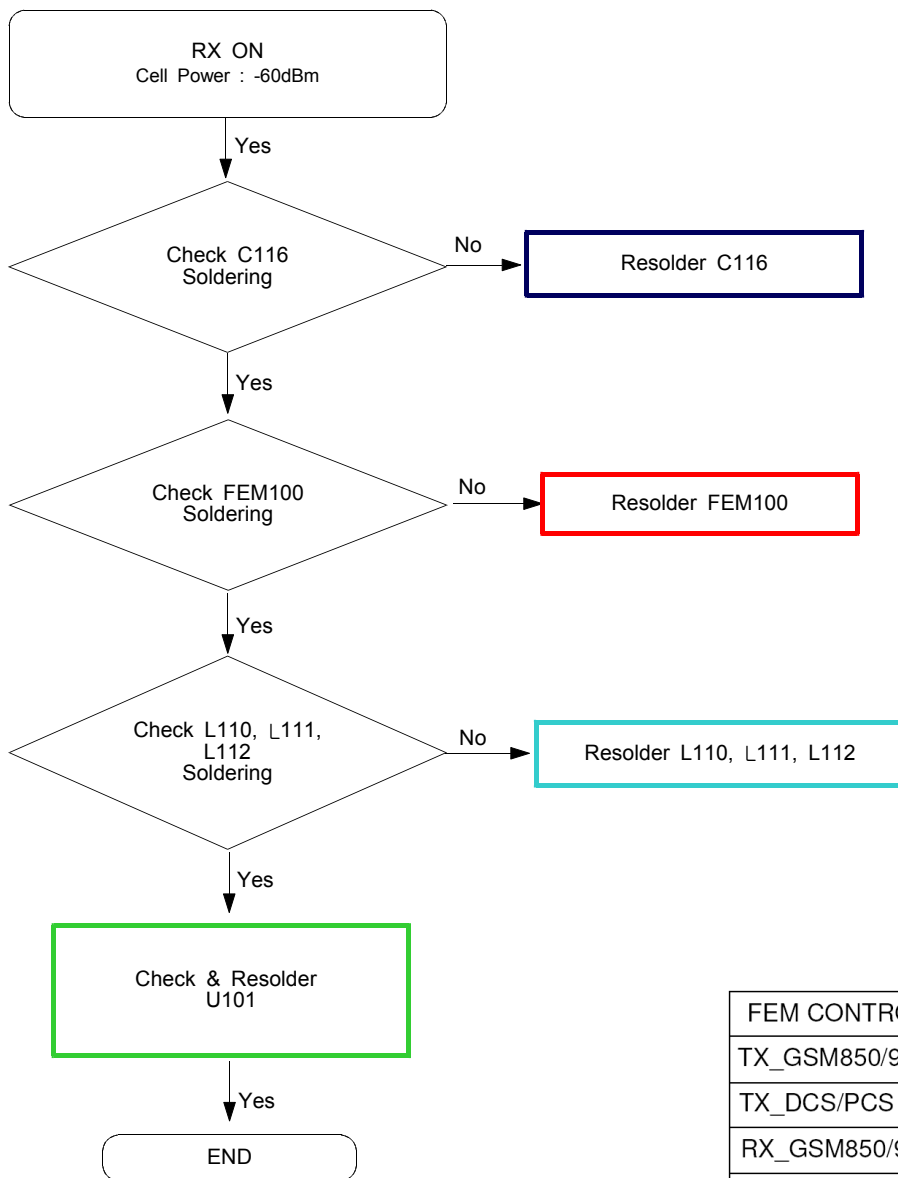
Slave RF Connector

8-3-10. Master GSM900 Receiver



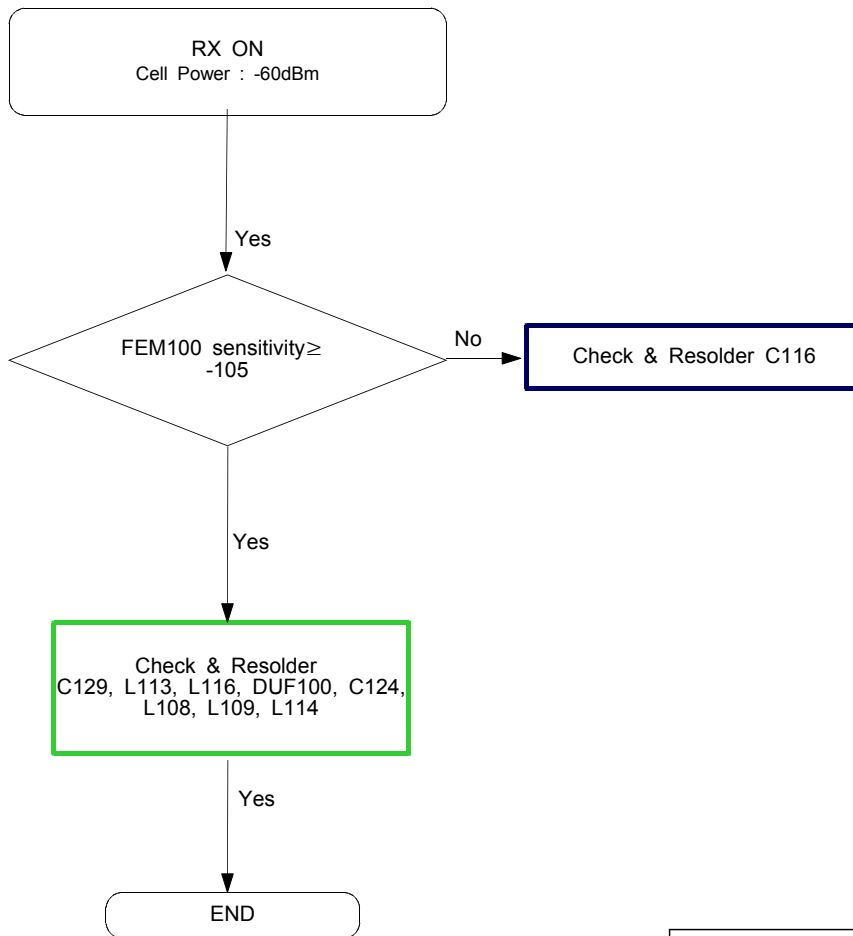
FEM CONTROL	RFSM1	RFSM2	RFSM3
TX_GSM850/900	1	1	1
TX_DCS/PCS	1	0	0
RX_GSM850/900	0	1	1
RX_DCS/PCS	0	0	1
B1_TRX	1	1	0
B8_TRX	1	0	1

8-3-11. Master DCS Receiver

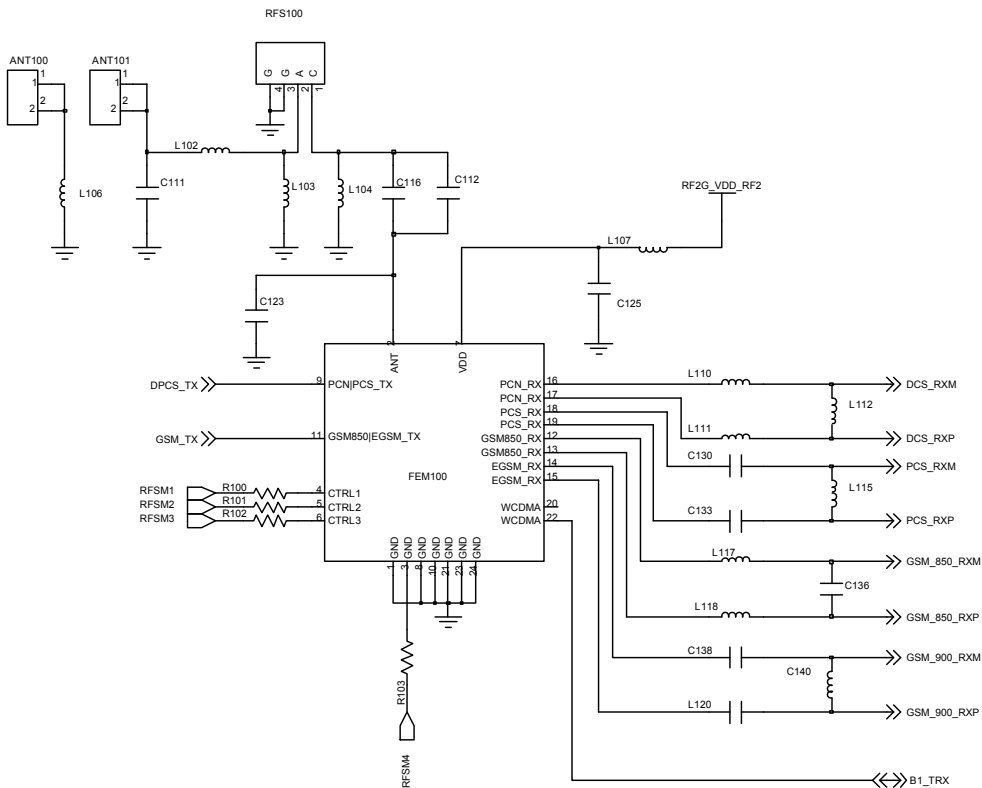
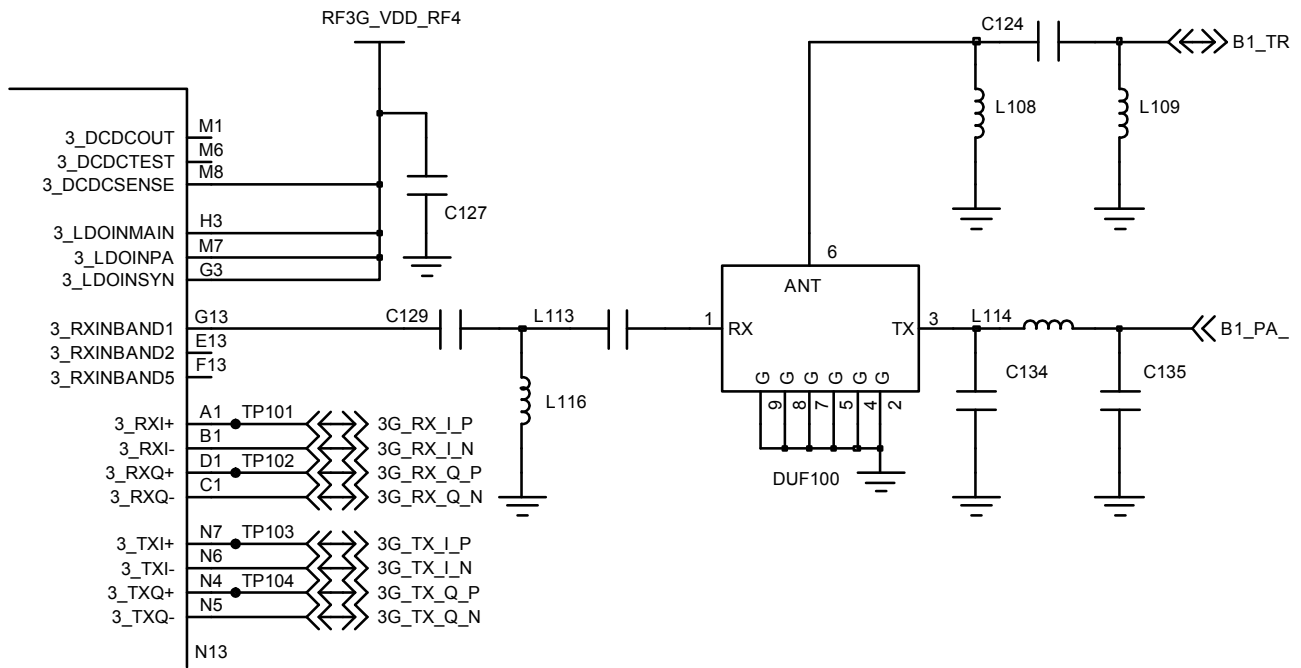


FEM CONTROL	RFSM1	RFSM2	RFSM3
TX_GSM850/900	1	1	1
TX_DCS/PCS	1	0	0
RX_GSM850/900	0	1	1
RX_DCS/PCS	0	0	1
B1_TRX	1	1	0
B8_TRX	1	0	1

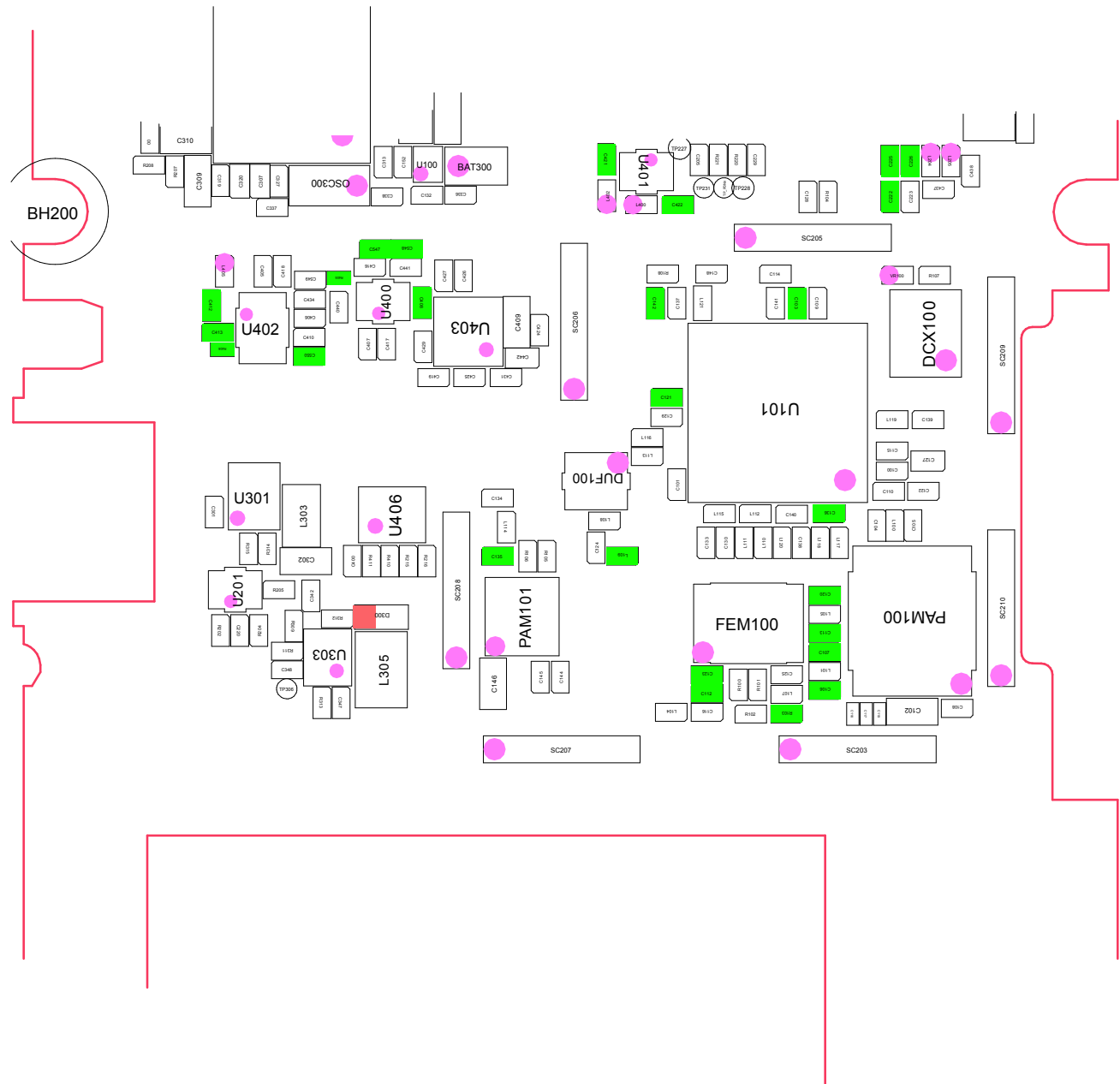
8-3-12. Master 3G Receiver



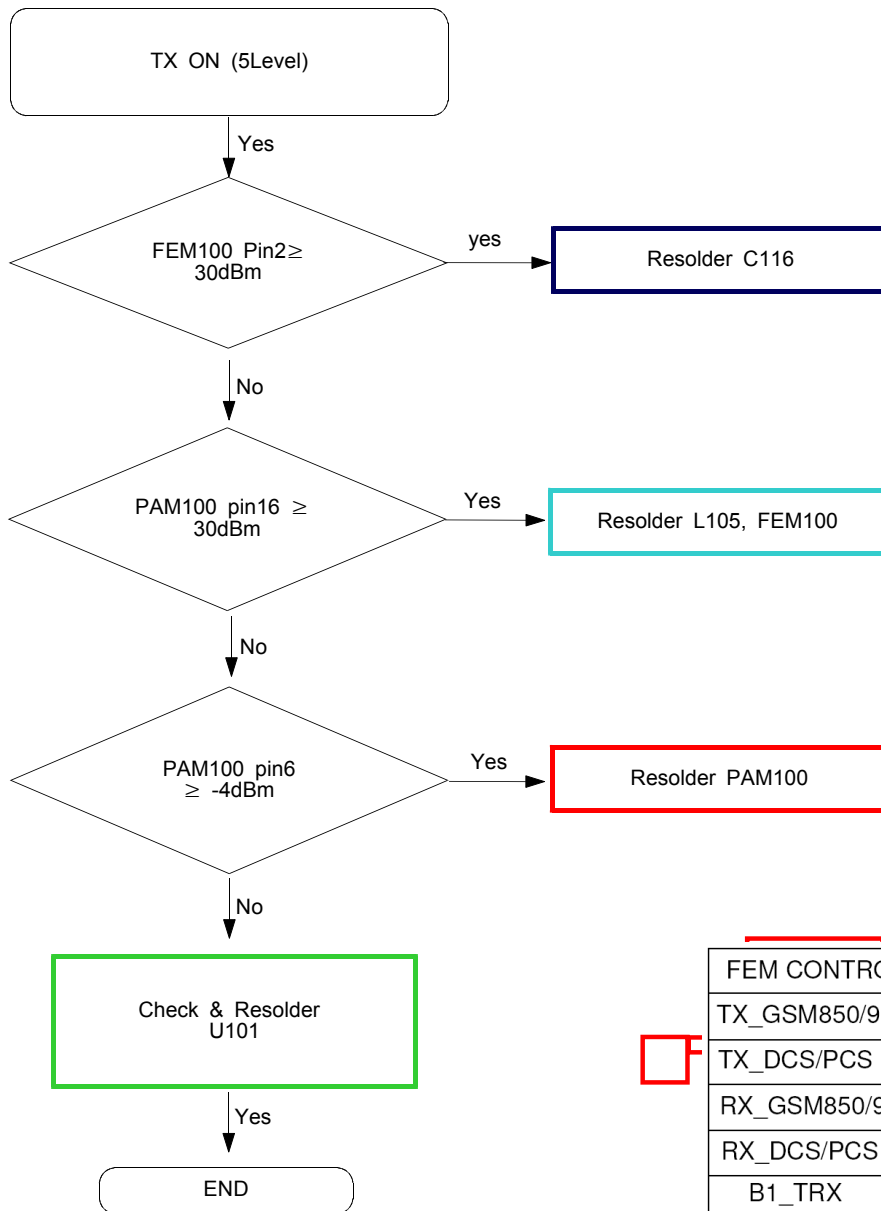
FEM CONTROL	RFSM1	RFSM2	RFSM3
TX_GSM850/900	1	1	1
TX_DCS/PCS	1	0	0
RX_GSM850/900	0	1	1
RX_DCS/PCS	0	0	1
B1_TRX	1	1	0
B8_TRX	1	0	1



FEM

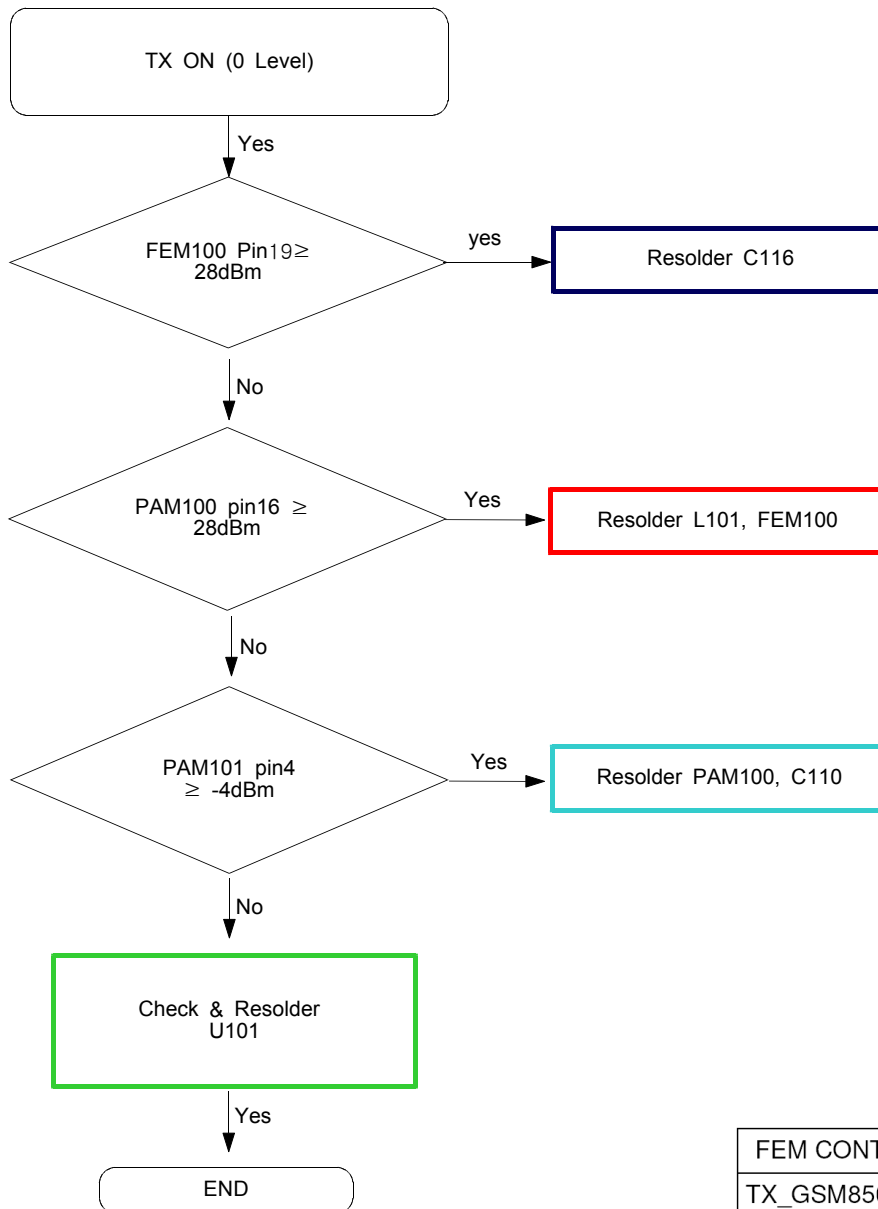


8-3-13. Master GSM Transmitter



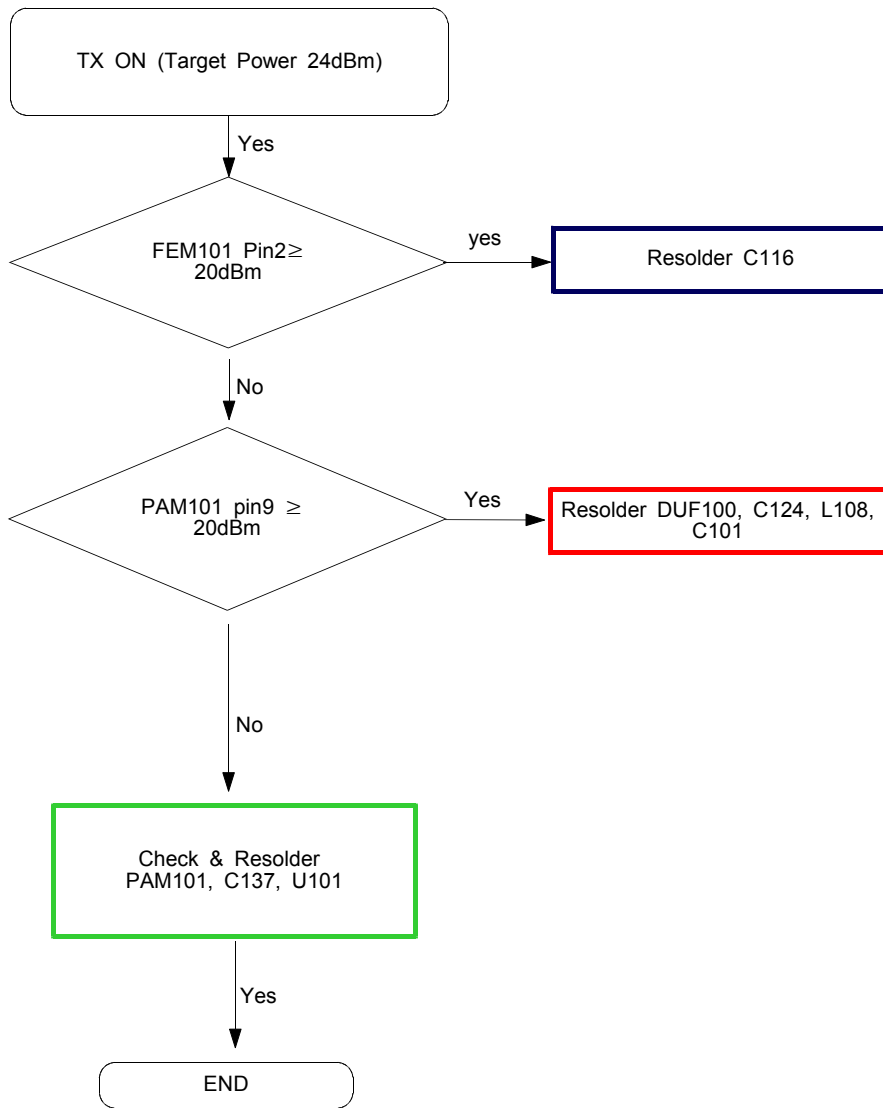
FEM CONTROL	RFSM1	RFSM2	RFSM3
TX_GSM850/900	1	1	1
TX_DCS/PCS	1	0	0
RX_GSM850/900	0	1	1
RX_DCS/PCS	0	0	1
B1_TRX	1	1	0
B8_TRX	1	0	1

8-3-14. Master DCS Transmitter

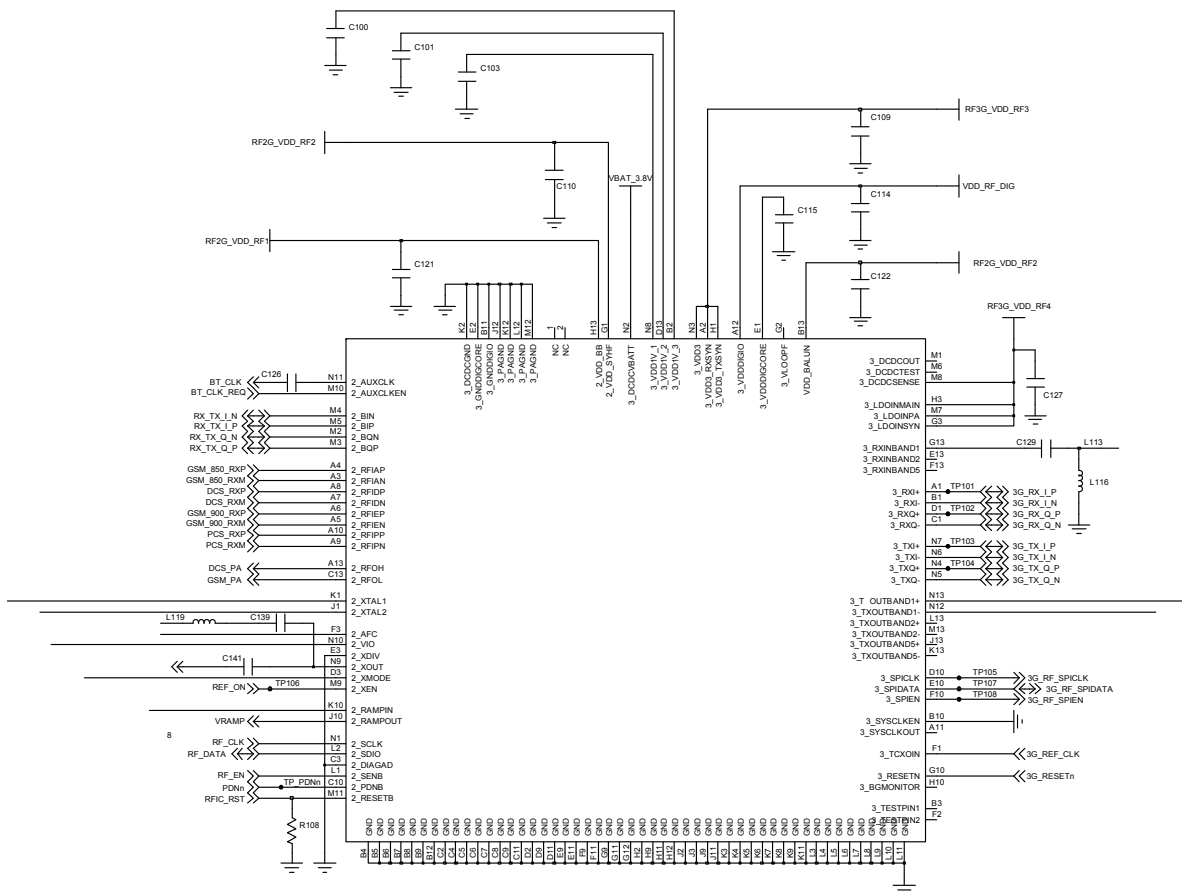


FEM CONTROL	RFSM1	RFSM2	RFSM3
TX_GSM850/900	1	1	1
TX_DCS/PCS	1	0	0
RX_GSM850/900	0	1	1
RX_DCS/PCS	0	0	1
B1_TRX	1	1	0
B8_TRX	1	0	1

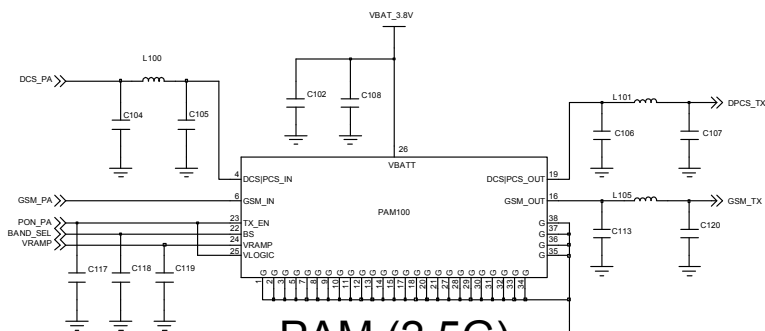
8-3-15. Master 3G Transmitter



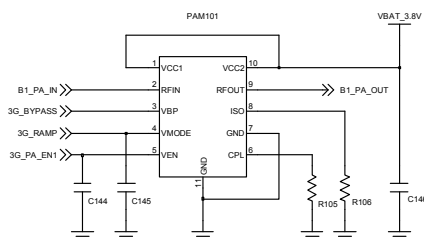
FEM CONTROL	RFSM1	RFSM2	RFSM3
TX_GSM850/900	1	1	1
TX_DCS/PCS	1	0	0
RX_GSM850/900	0	1	1
RX_DCS/PCS	0	0	1
B1_TRX	1	1	0
B8_TRX	1	0	1



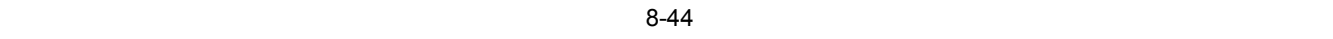
MASTER RF



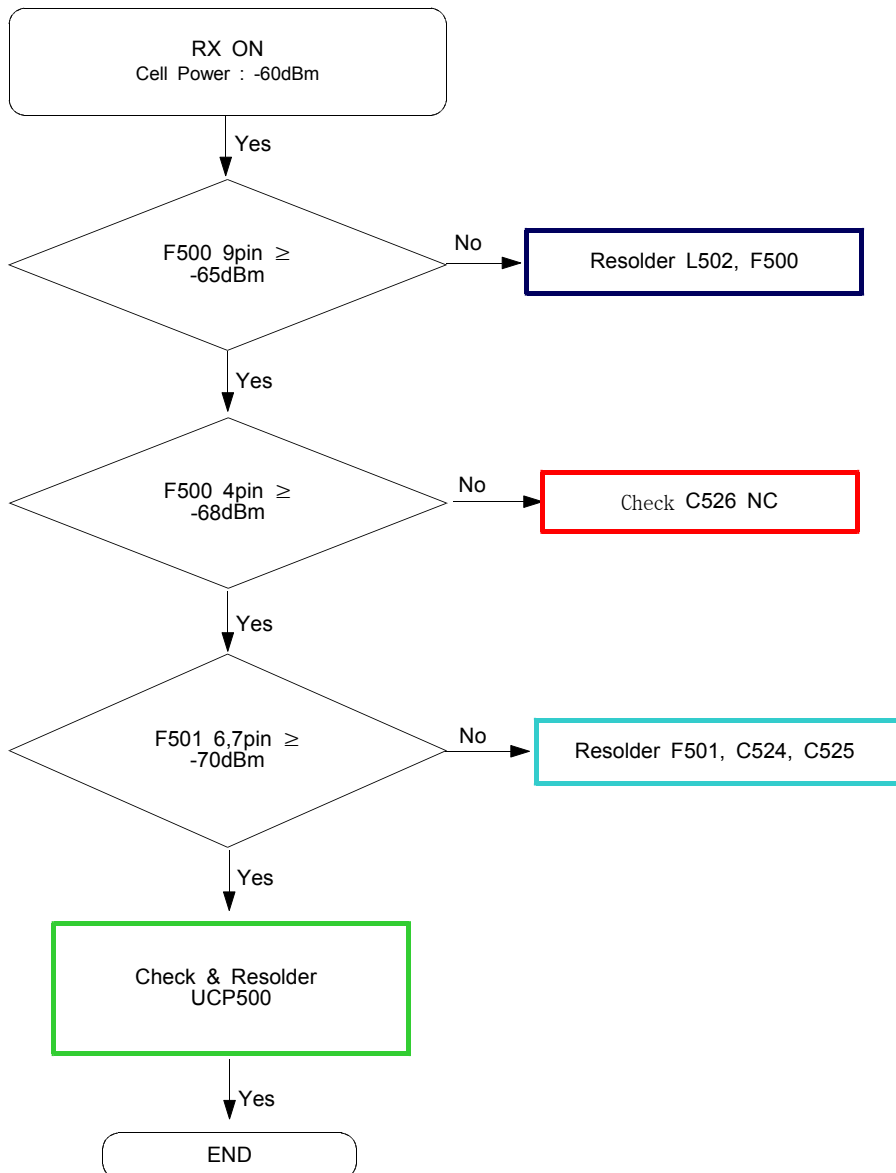
PAM (2.5G)



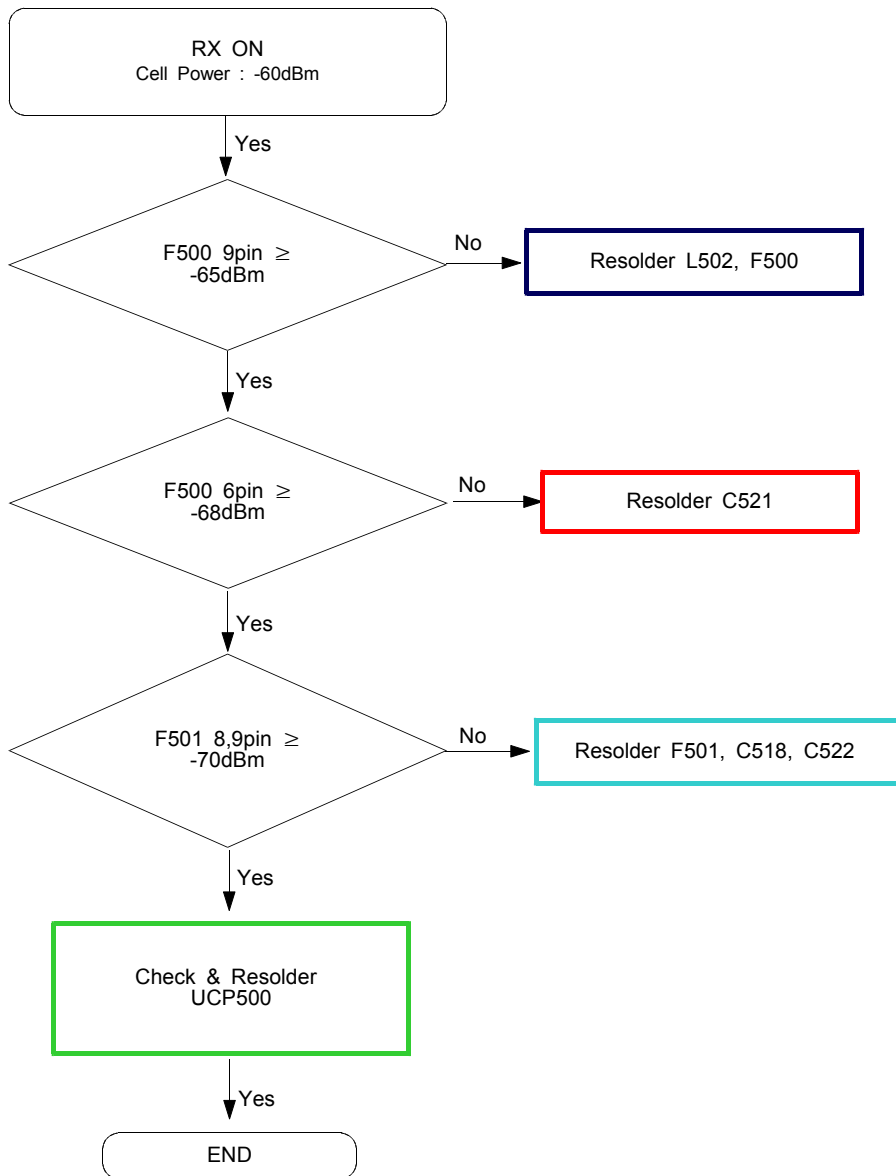
PAM (3G)

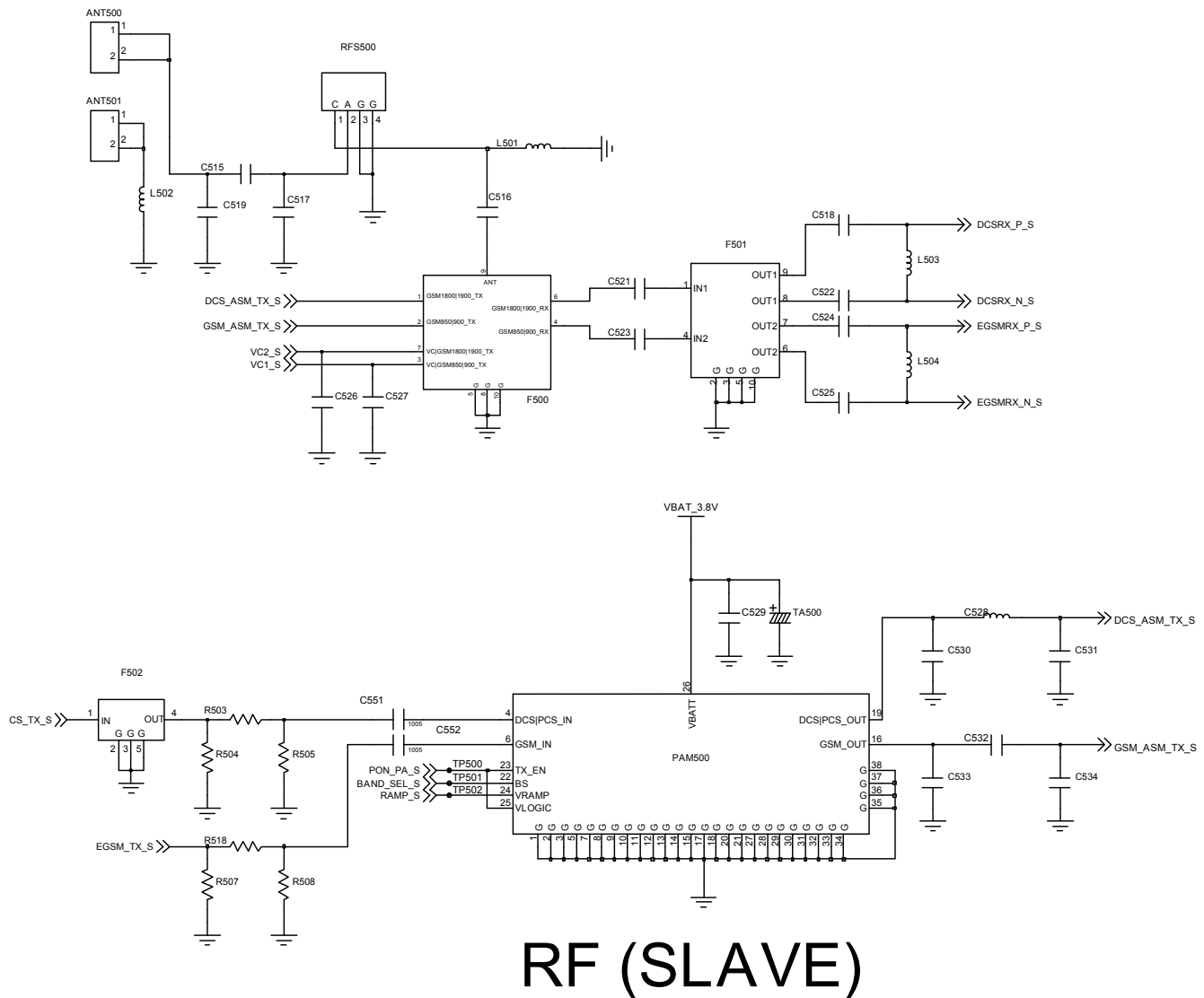


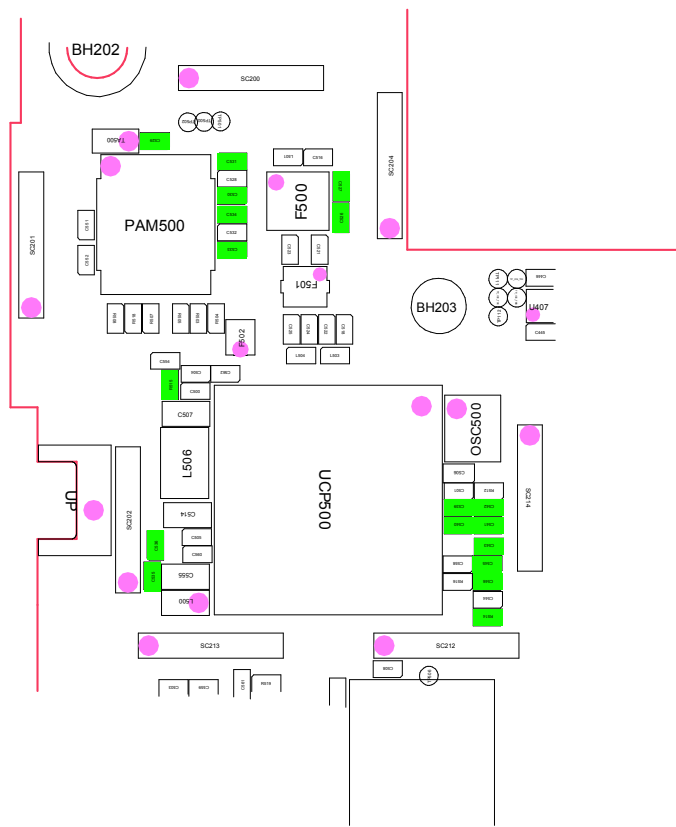
8-3-16. SLAVE GSM Receiver



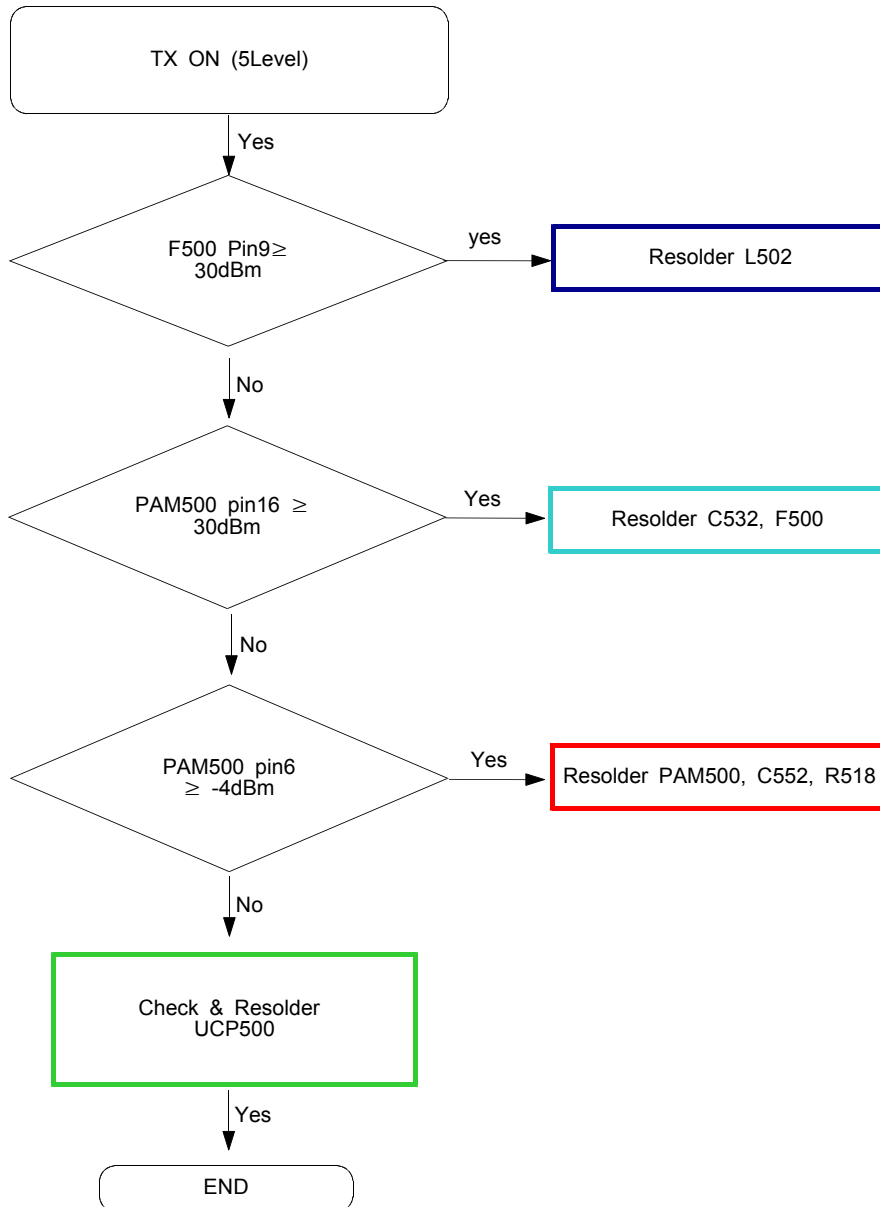
8-3-17. SLAVE DCS Receiver



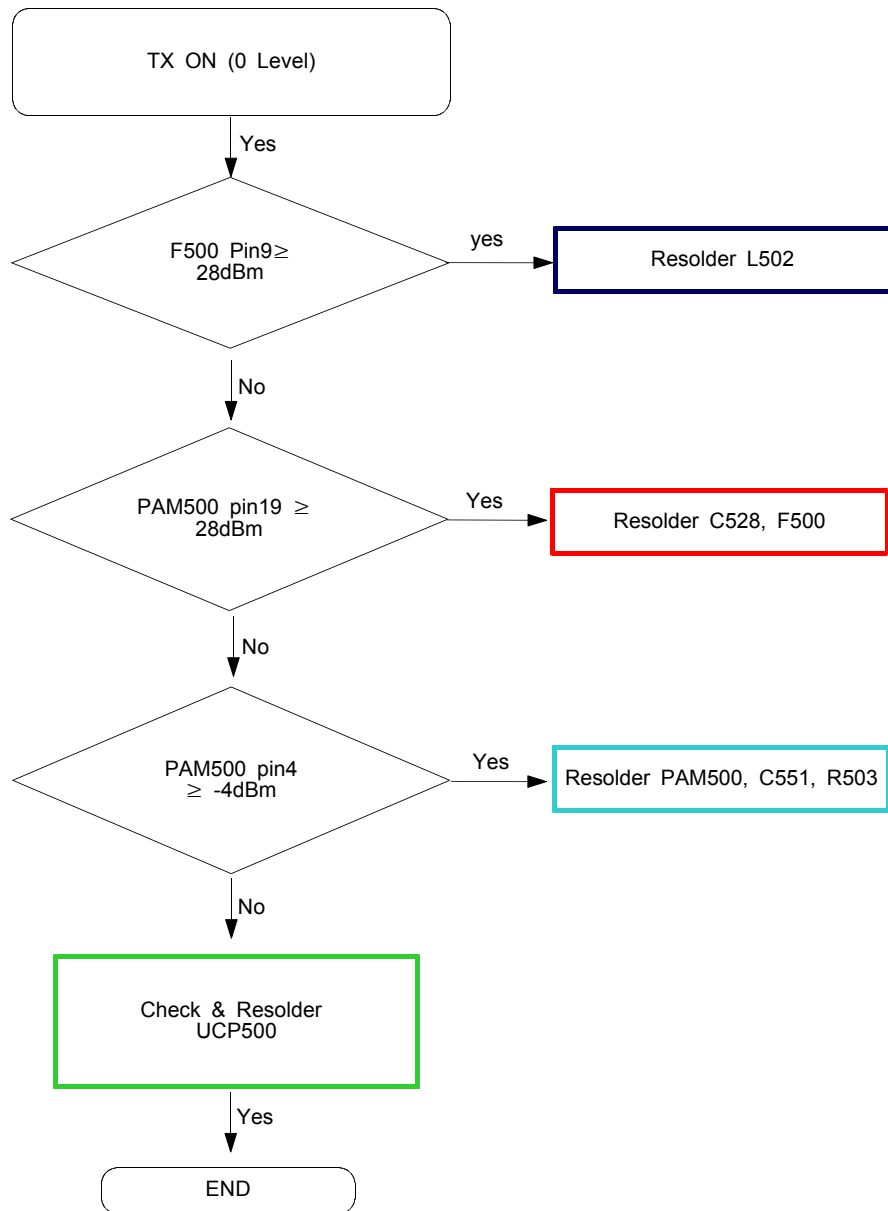


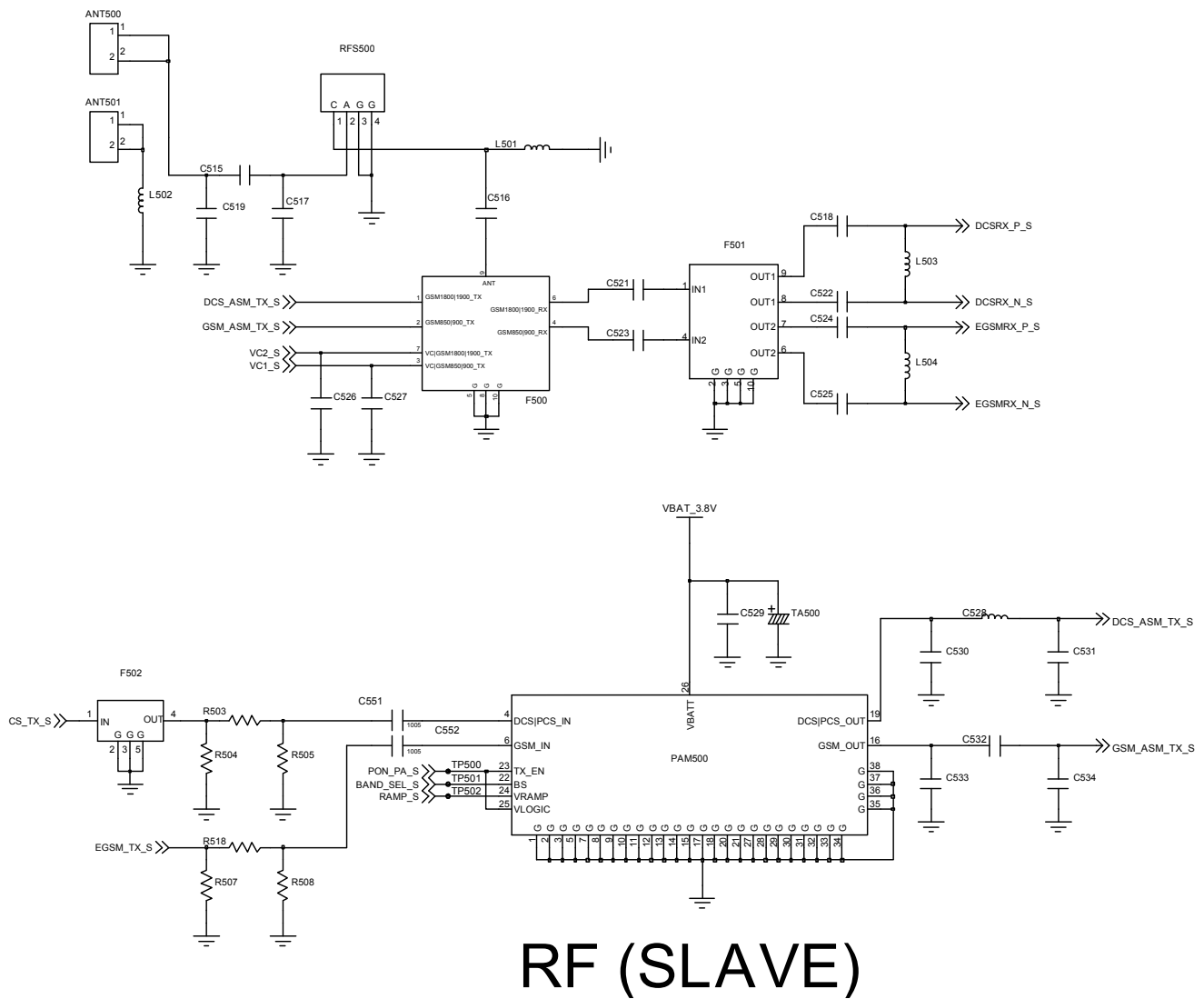


8-3-18. SLAVE GSM Transmitter

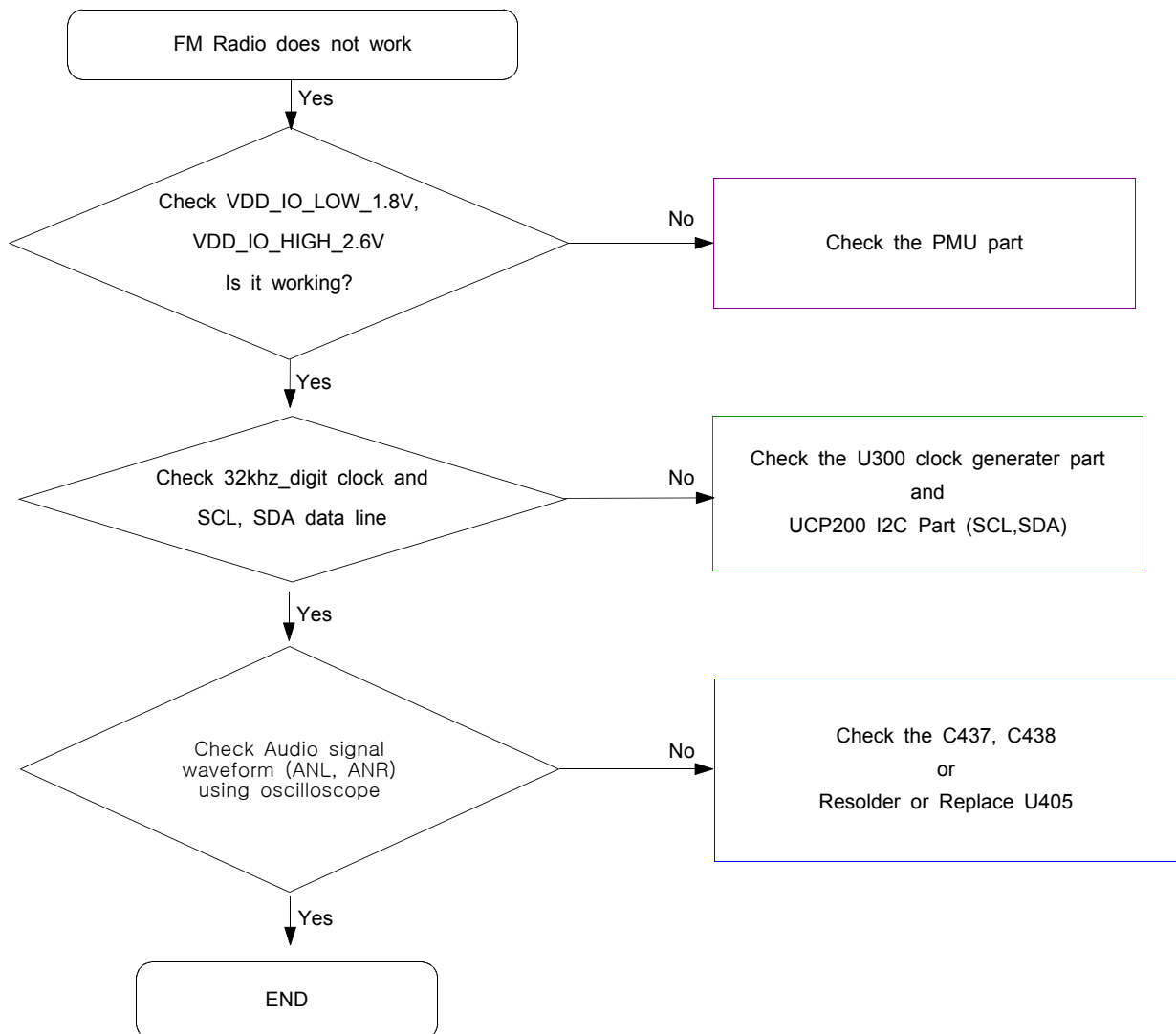


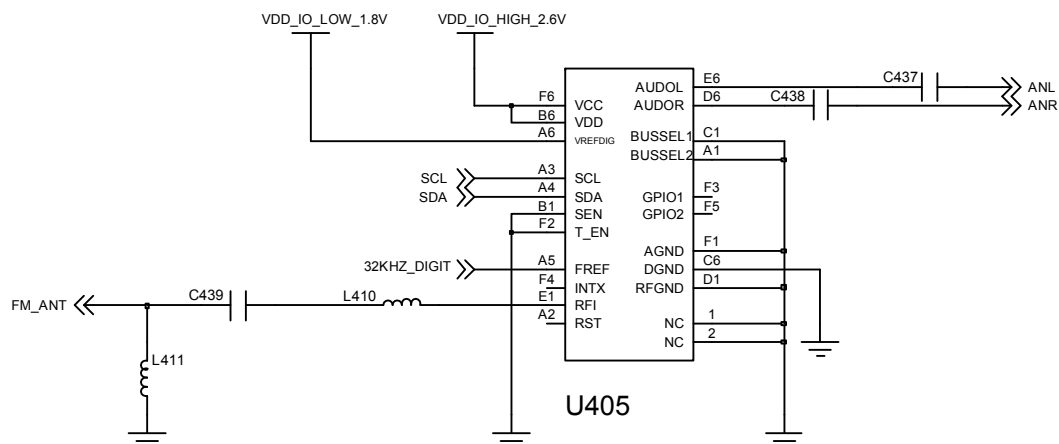
8-3-19. SLAVE DCS Transmitter





8-3-20. FM Radio Part





FM RADIO



8-4. Service Schematics

- NC Point(Top View)

● : NC

UCP200

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
A																				A
B																				B
C																				C
D																				D
E																				E
F																				F
G																				G
H																				H
J																				J
K																				K
L																				L
M																				M
N																				N
P																				P
R																				R
T																				T
U																				U
V																				V
W																				W
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	

● : NC

UME200

	1	2	3	4	5	6	7	8	9	10	
A	●	●			○	○			●	●	A
B	○	●	○	○	○	○	○	○	○	●	B
C	○	○	○	○	●	○	○	○	○	○	C
D	○	○	○	○	○	○	○	○	○	○	D
E	○	○	○	○	○	○	○	○	○	○	E
F	●	○			○	○			●	●	F
	1	2	3	4	5	6	7	8	9	10	

7. Level 2 Repair

7-1. Disassembly and Assembly Instructions

7-1-1. Disassembly

1

1) Remove screws at 6 points.



Be careful not to make scratch and molding damage

2

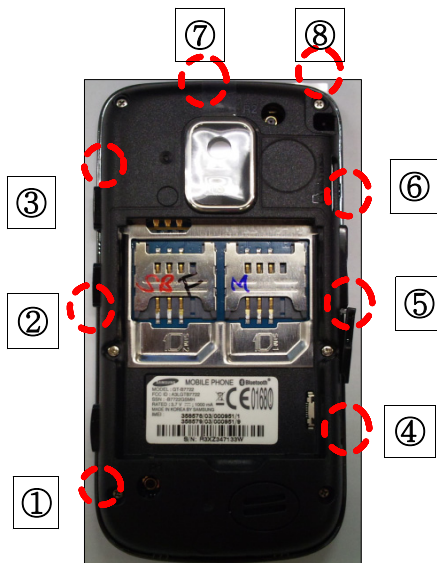
1) Put tools to set lower and disassemble from left to right.(2 POINTS)



Be careful not to make scratch and molding damage

3

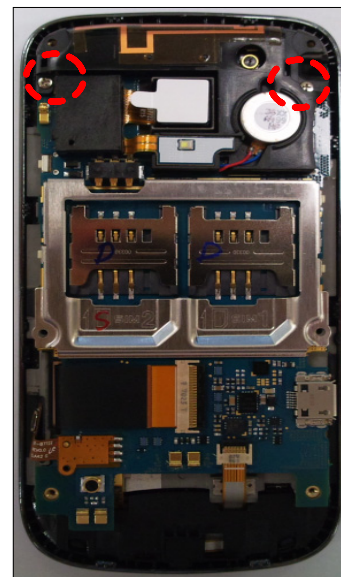
1) Separate rear after disassemble hook to below Order using tool.(8 POINTS)



Be careful not to make scratch and molding damage

4

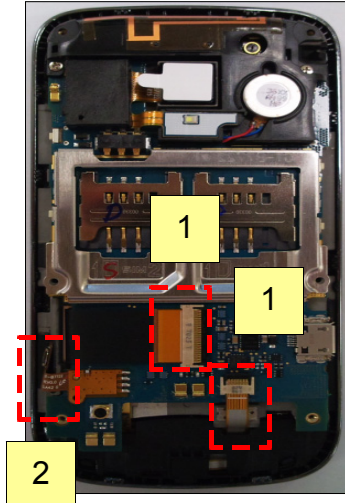
1)Remove screws at 2 points..



Be careful not to damage to SLAVE ANTENNA

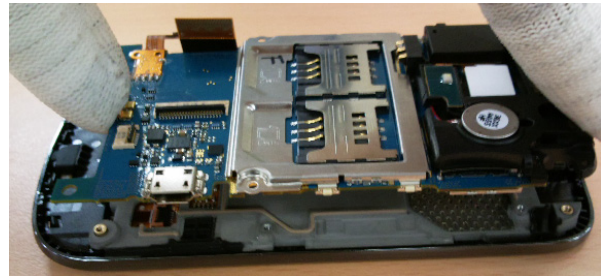
5

- 1) Fpcb to tweezers remove after Zip connector open.(2 POINTS)
- 2) detach side fpcb from lcd bracket



6

- 1) Take out vertically and separate main board.



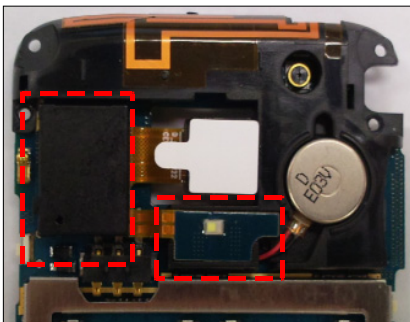
- 1) Be careful to not to tear the FPCB.
- 2) Catch and disassemble fpcb's hard part when disassembling tsp fpcb.

Be careful to not to tear the FPCB.

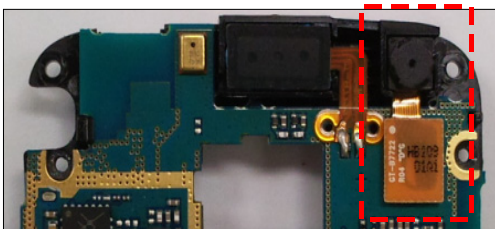
7

- 1) Disassemble camera connector after taking out flash led to tweezers
- 2) Overturn board and disassemble cif camera connector of backside

1



2

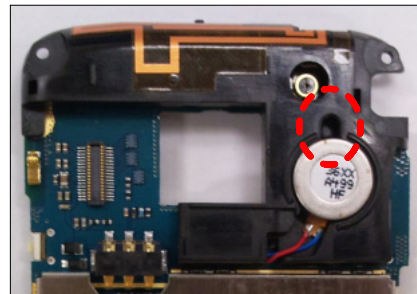


When separating connector and flash led, take care so that fpcb is not damaged.

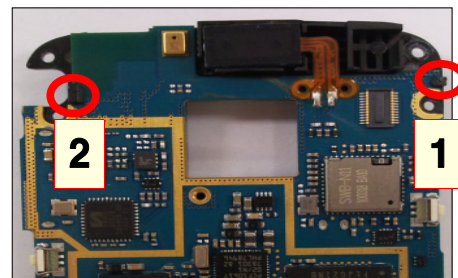
8

- 1) Remove motor using disassembly hole.
- 2) Catch board with both hand and disassemble intenna left/right hook part to 1 to 2 Order and separate intenna in board.

1



2

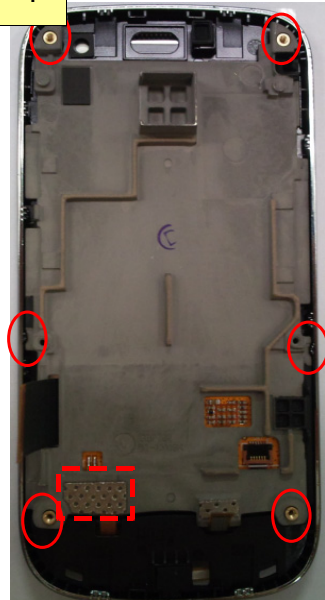


When separating intenna, take care so that fpcb is not damaged

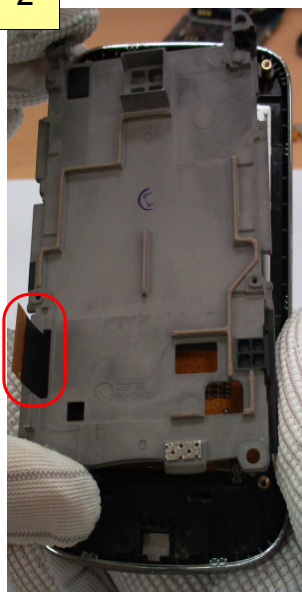
9

- 1) Take out conductivity sponge of bracket bottom left.
- 2) Remove bracket so as not to take to screw boss 4 points after disassembling central left/right hook 2point.

1



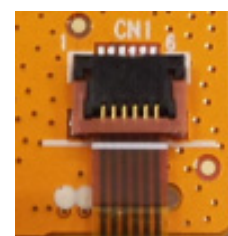
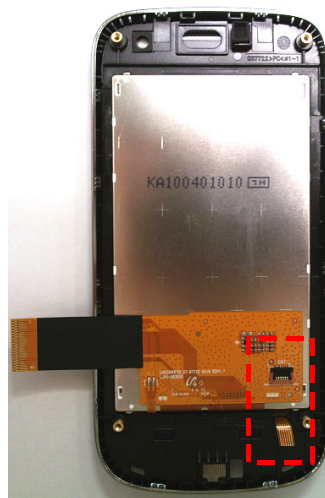
2



Be careful of lcd fpcb damage when disassembling bracket

10

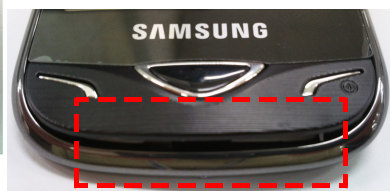
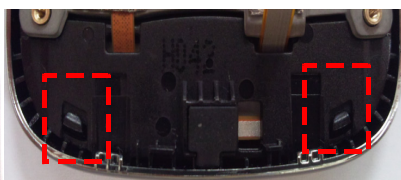
- 1) Disassemble lcd fpcb of bottom right.



Be careful to not to tear the TSP FPCB.

11

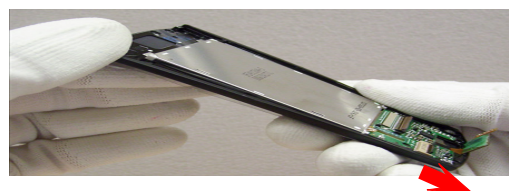
- 1) Disassemble subkey left/right hook and separate key unit



Be careful to not to tear the LCD FPCB.

12

- 1) Pushing front right and left side up and down end and disassemble front and lcd uni

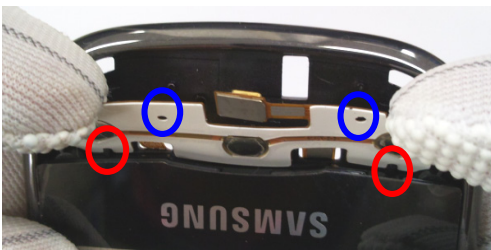
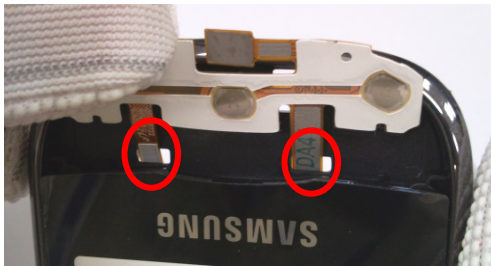


Be careful lcd should not be twisted when twist front

7-1-2. Assembly

1

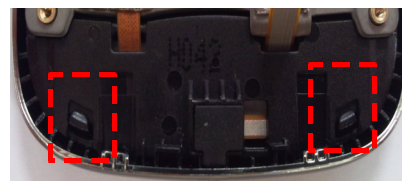
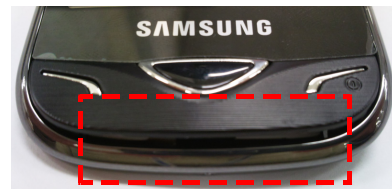
- 1) Set to standards rib and pole after inserting setting sub key fpcb to front hole and attach.



Be careful to not to tear the FPCB.

2

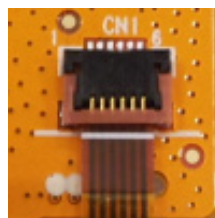
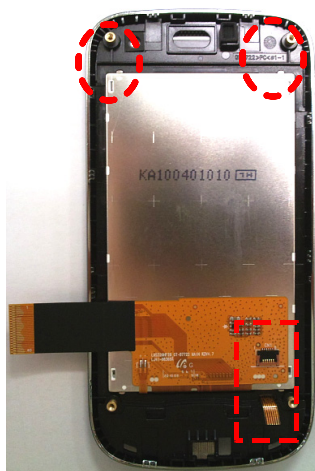
- 1) Insert sub key at an angle at the bottom of front
- 2) Press after inserting sub key and confirm whether hook 2 pointses of backside were assembled.



Confirm whether hook is inserted properly.

3

- 1) Assemble tsp fpcb after placing lcd unit depending on upper/lower 4points groove on front that become sub key placed.

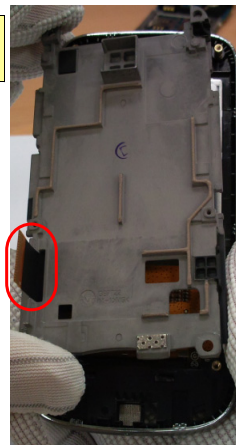


Be careful to not to tear the TSP FPCB.

4

- 1) Careful of lcd fpcb insertion, and place to front lest should take bracket to screw boss hole 4 pointses
- 2) Assemble central left/right hook 2point

1



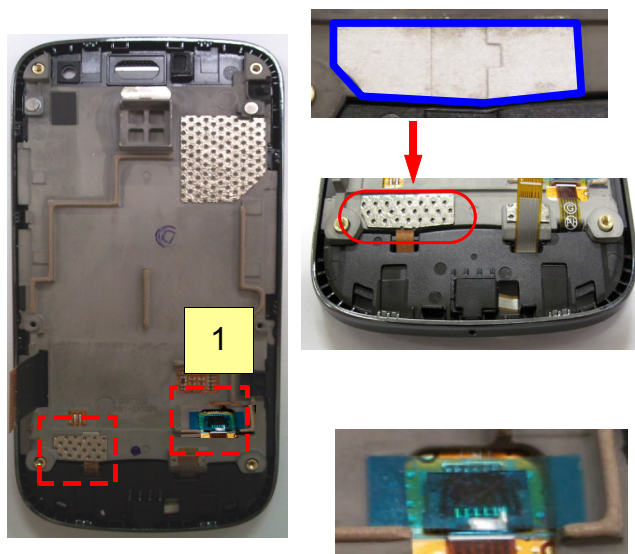
2



Be careful of lcd fpcb damage when placing bracket.

5

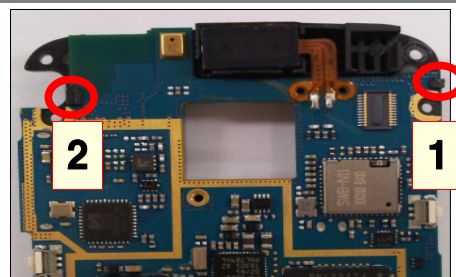
- 1) Attach conductivity sponge on bottom left gnd fpcb.
- 2) Attach insulation tape on bottom right tsp connector



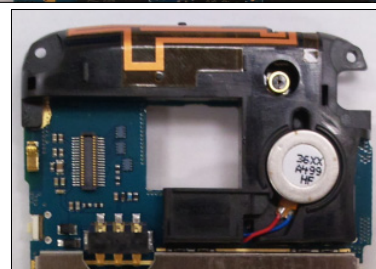
6

- 1) Catch board with both hand and assemble antenna left/right hook part to 1 to 2 Order
- 2) Attach motor using at antenna hole.

1



2



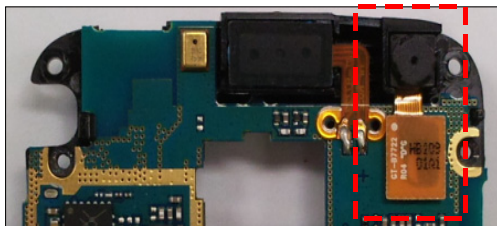
1) attached depending on base line for attachment

1) When assembling antenna, take care so that motor wire is not damaged.

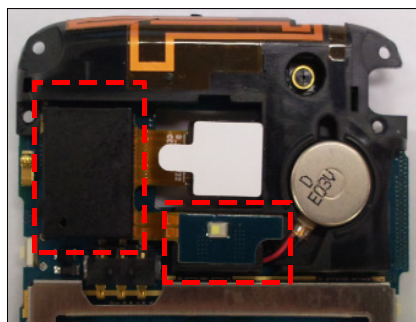
7

- 1) Assemble camera connector after attach flash led to tweezers
- 2) Overturn board and assemble cif camera connector of backside

1



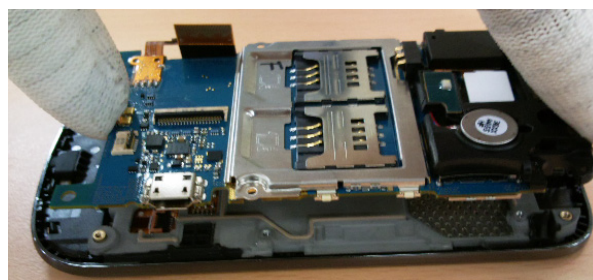
2



- 1) Be careful to not to tear the FPCB.
- 2) Catch and disassemble fpcb's hard part when disassembling tsp fpcb.

8

- 1) Place main board vertically on front assay.



Be careful to not to tear the FPCB.

9 1) Fpcb to tweezers insert after Zip connector open.(2 POINTS) 2) Attach side fpcb from lcd bracket	10 1) Assemble screws at 2 points.. Torque : 1.1
1) Be careful to not to tear the FPCB. 2) Catch and assemble fpcb's hard part when assembling tsp fpcb.	Be careful not to damage to SLAVE ANTENNA
11 1) Assemble rear after assemble hook to below Order.(8 POINTS)	12 1) Assemble screws at 6 points.
Be careful not to make scratch and molding damage	Be careful not to make scratch and molding damage