

SAMSUNG

# GSM TELEPHONE

## GT-B7320L

# SERVICE *Manual*

GSM TELEPHONE

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**SAMSUNG  
ELECTRONICS**



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## 6. Main Electrical Parts List

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SEC CODE	Design LOC	Description
0403-001547	ZD500	DIODE
0404-001245	D701	DIODE
0406-001167	ZD800	DIODE
0406-001167	ZD801	DIODE
0406-001167	ZD802	DIODE
0406-001167	ZD803	DIODE
0406-001223	ZD600	DIODE
0406-001223	ZD601	DIODE
0406-001223	ZD602	DIODE
0406-001223	ZD603	DIODE
0406-001223	ZD604	DIODE
0406-001223	ZD700	DIODE
0406-001223	ZD804	DIODE
0406-001223	ZD805,	DIODE
0406-001223	ZD806	DIODE
0406-001223	ZD807	DIODE
0406-001369	ZD701	DIODE
0406-001375	ZD704	DIODE
0406-001375	ZD705	DIODE
0406-001375	ZD707	DIODE
0406-001375	ZD808	DIODE
0406-001375	ZD809	DIODE
0407-001002	D500	DIODE
0407-001002	D600	DIODE
0504-000168	TR500	TR-DIGITAL
0504-001138	TR701	TR-DIGITAL
0801-002529	U302	IC
0801-002749	U304	IC
0801-003200	U401	IC
0801-003265	U400	IC
1001-001336	U702	IC
1001-001488	U503	IC
1001-001528	RFS200	IC
1001-001536	RFS201	IC
1001-001580	U712	IC
1108-000248	UME400	MEMORY

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
1201-002733	U600	IC
1201-002830	PAM100	IC
1201-002860	PAM202	IC
1201-002861	PAM201	IC
1201-002863	PAM200	IC
1201-002907	U300	IC
1203-002832	U502	IC
1203-004776	U701	IC
1203-004776	U710	IC
1203-004798	U700	IC
1203-004802	U301	IC
1203-004925	U709	IC
1203-005092	U500	IC
1203-005244	U704	IC
1203-005263	U705	IC
1203-005916	U707	IC
1203-005554	U501	IC
1203-005689	U504	IC
1204-002746	U303	IC
1205-003297	U100	IC
1205-003790	UCP400	IC
2007-000137	R442	R-CHIP
2007-000138	R309	R-CHIP
2007-000138	R426	R-CHIP
2007-000138	R429	R-CHIP
2007-000138	R511	R-CHIP
2007-000138	R700	R-CHIP
2007-000138	R711	R-CHIP
2007-000140	R107	R-CHIP
2007-000140	R108	R-CHIP
2007-000140	R109	R-CHIP
2007-000140	R110	R-CHIP
2007-000140	R203	R-CHIP
2007-000140	R204	R-CHIP
2007-000140	R205	R-CHIP
2007-000140	R206	R-CHIP

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2007-000141	R100	R-CHIP
2007-000141	R412	R-CHIP
2007-000141	R413	R-CHIP
2007-000147	R407	R-CHIP
2007-000148	R301	R-CHIP
2007-000148	R302	R-CHIP
2007-000148	R306	R-CHIP
2007-000148	R421	R-CHIP
2007-000148	R422	R-CHIP
2007-000148	R428	R-CHIP
2007-000148	R437	R-CHIP
2007-000148	R734	R-CHIP
2007-000149	R515	R-CHIP
2007-000157	R304	R-CHIP
2007-000161	R305	R-CHIP
2007-000162	R400	R-CHIP
2007-000162	R416	R-CHIP
2007-000162	R430	R-CHIP
2007-000162	R512	R-CHIP
2007-000162	R513	R-CHIP
2007-000162	R520	R-CHIP
2007-000162	R737	R-CHIP
2007-000165	R510	R-CHIP
2007-000172	R113	R-CHIP
2007-000172	R300	R-CHIP
2007-000172	R719	R-CHIP
2007-000172	R720	R-CHIP
2007-000172	R721	R-CHIP
2007-000172	R722	R-CHIP
2007-000174	R704	R-CHIP
2007-000242	R724	R-CHIP
2007-001119	R709	R-CHIP
2007-001217	R703	R-CHIP
2007-001285	R116	R-CHIP
2007-001291	R605	R-CHIP
2007-001291	R610	R-CHIP

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2007-001292	R443	R-CHIP
2007-001298	R101	R-CHIP
2007-001298	R200	R-CHIP
2007-001298	R505	R-CHIP
2007-001305	R103	R-CHIP
2007-001305	R104	R-CHIP
2007-001317	R514	R-CHIP
2007-003004	C245	R-CHIP
2007-003004	R201	R-CHIP
2007-003015	R112	R-CHIP
2007-007008	R702	R-CHIP
2007-007013	R436	R-CHIP
2007-007014	R500	R-CHIP
2007-007014	R504	R-CHIP
2007-007142	R509	R-CHIP
2007-007309	R111	R-CHIP
2007-007310	R517	R-CHIP
2007-007318	R114	R-CHIP
2007-007318	R117	R-CHIP
2007-007468	R506	R-CHIP
2007-007698	R507	R-CHIP
2007-007943	R735	R-CHIP
2007-008045	R115	R-CHIP
2007-008045	R307	R-CHIP
2007-008047	R105	R-CHIP
2007-008047	R106	R-CHIP
2007-008055	R501	R-CHIP
2007-008055	R503	R-CHIP
2007-008263	R516	R-CHIP
2007-008516	R308	R-CHIP
2007-008766	R425	R-CHIP
2007-008774	R731	R-CHIP
2007-008774	R732	R-CHIP
2007-008774	R733	R-CHIP
2007-009201	R102	R-CHIP
2007-009805	R208	R-CHIP

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2203-000233	C200	C-CERAMIC
2203-000233	C214	C-CERAMIC
2203-000233	C217	C-CERAMIC
2203-000233	C224	C-CERAMIC
2203-000233	C229	C-CERAMIC
2203-000233	C230	C-CERAMIC
2203-000233	C315	C-CERAMIC
2203-000254	C131	C-CERAMIC
2203-000254	C152	C-CERAMIC
2203-000254	C313	C-CERAMIC
2203-000254	C314	C-CERAMIC
2203-000386	C223	C-CERAMIC
2203-000386	C617	C-CERAMIC
2203-000386	C623	C-CERAMIC
2203-000425	C701	C-CERAMIC
2203-000425	C703	C-CERAMIC
2203-000425	C706	C-CERAMIC
2203-000425	C728	C-CERAMIC
2203-000438	C135	C-CERAMIC
2203-000438	C156	C-CERAMIC
2203-000438	C161	C-CERAMIC
2203-000438	C201	C-CERAMIC
2203-000438	C215	C-CERAMIC
2203-000438	C231	C-CERAMIC
2203-000438	C518	C-CERAMIC
2203-000438	C520	C-CERAMIC
2203-000438	C729	C-CERAMIC
2203-000466	C240	C-CERAMIC
2203-000489	C428	C-CERAMIC
2203-000654	C116	C-CERAMIC
2203-000654	C117	C-CERAMIC
2203-000654	C123	C-CERAMIC
2203-000654	C124	C-CERAMIC
2203-000679	C525	C-CERAMIC
2203-000679	L107	C-CERAMIC
2203-000812	C100	C-CERAMIC

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2203-000812	C105	C-CERAMIC
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2203-000812	C145	C-CERAMIC
2203-000812	C168	C-CERAMIC
2203-000812	C169	C-CERAMIC
2203-000812	C170	C-CERAMIC
2203-000812	C219	C-CERAMIC
2203-000812	C220	C-CERAMIC
2203-000812	C221	C-CERAMIC
2203-000812	C225	C-CERAMIC
2203-000812	C226	C-CERAMIC
2203-000812	C233	C-CERAMIC
2203-000812	C308	C-CERAMIC
2203-000812	C309	C-CERAMIC
2203-000812	C424	C-CERAMIC
2203-000812	C530	C-CERAMIC
2203-000812	C531	C-CERAMIC
2203-000812	C609	C-CERAMIC
2203-000812	C616	C-CERAMIC
2203-000812	C621	C-CERAMIC
2203-000854	C104	C-CERAMIC
2203-000995	C426	C-CERAMIC
2203-001239	C218	C-CERAMIC
2203-001239	C243	C-CERAMIC
2203-001239	C244	C-CERAMIC
2203-001385	C235	C-CERAMIC
2203-001405	C611	C-CERAMIC
2203-001405	C612	C-CERAMIC
2203-002709	C603	C-CERAMIC
2203-003054	C707	C-CERAMIC
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2203-005050	L208	C-CERAMIC
2203-005053	C242	C-CERAMIC
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2203-005053	C112	C-CERAMIC
2203-005053	C113	C-CERAMIC

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2203-005053	C239	C-CERAMIC
2203-005234	C107	C-CERAMIC
2203-005234	L101	C-CERAMIC
2203-005281	C111	C-CERAMIC
2203-005281	L203	C-CERAMIC
2203-005288	C153	C-CERAMIC
2203-005288	C155	C-CERAMIC
2203-005288	L215	C-CERAMIC
2203-005395	C114	C-CERAMIC
2203-005395	C115	C-CERAMIC
2203-005446	C102	C-CERAMIC
2203-005552	C203	C-CERAMIC
2203-005552	C241	C-CERAMIC
2203-005682	C160	C-CERAMIC
2203-005725	C118	C-CERAMIC
2203-005725	C129	C-CERAMIC
2203-005725	C136	C-CERAMIC
2203-005725	C137	C-CERAMIC
2203-005725	C138	C-CERAMIC
2203-005725	C141	C-CERAMIC
2203-005725	C142	C-CERAMIC
2203-005725	C147	C-CERAMIC
2203-005725	C159	C-CERAMIC
2203-005725	C521	C-CERAMIC
2203-005725	C522	C-CERAMIC
2203-005736	C120	C-CERAMIC
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2203-005736	C126	C-CERAMIC
2203-005736	C127	C-CERAMIC
2203-005736	C128	C-CERAMIC
2203-005736	C139	C-CERAMIC
2203-005736	C148	C-CERAMIC
2203-005736	C165	C-CERAMIC
2203-005736	C210	C-CERAMIC
2203-005736	C211	C-CERAMIC
2203-005736	C237	C-CERAMIC

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2203-005736	C238	C-CERAMIC
2203-005736	C503	C-CERAMIC
2203-005736	C523	C-CERAMIC
2203-005806	C154	C-CERAMIC
2203-005806	C164	C-CERAMIC
2203-006047	C425	C-CERAMIC
2203-006048	C150	C-CERAMIC
2203-006048	C300	C-CERAMIC
2203-006048	C302	C-CERAMIC
2203-006048	C304	C-CERAMIC
2203-006048	C307	C-CERAMIC
2203-006048	C320	C-CERAMIC
2203-006048	C404	C-CERAMIC
2203-006048	C420	C-CERAMIC
2203-006048	C427	C-CERAMIC
2203-006048	C452	C-CERAMIC
2203-006048	C453	C-CERAMIC
2203-006048	C454	C-CERAMIC
2203-006048	C457	C-CERAMIC
2203-006048	C515	C-CERAMIC
2203-006194	C146	C-CERAMIC
2203-006194	C157	C-CERAMIC
2203-006208	C722	C-CERAMIC
2203-006324	C607	C-CERAMIC
2203-006399	C400	C-CERAMIC
2203-006399	C401	C-CERAMIC
2203-006399	C403	C-CERAMIC
2203-006399	C405	C-CERAMIC
2203-006399	C406	C-CERAMIC
2203-006399	C456	C-CERAMIC
2203-006399	C512	C-CERAMIC
2203-006399	C513	C-CERAMIC
2203-006423	C119	C-CERAMIC
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2203-006423	C133	C-CERAMIC
2203-006423	C134	C-CERAMIC

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2203-006423	C140	C-CERAMIC
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2203-006423	C162	C-CERAMIC
2203-006423	C167	C-CERAMIC
2203-006423	C402	C-CERAMIC
2203-006423	C407	C-CERAMIC
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2203-006423	C417	C-CERAMIC
2203-006423	C418	C-CERAMIC
2203-006423	C458	C-CERAMIC
2203-006562	C301	C-CERAMIC
2203-006562	C303	C-CERAMIC
2203-006562	C305	C-CERAMIC
2203-006562	C316	C-CERAMIC
2203-006562	C317	C-CERAMIC
2203-006562	C318	C-CERAMIC
2203-006562	C319	C-CERAMIC
2203-006562	C459	C-CERAMIC
2203-006562	C460	C-CERAMIC
2203-006562	C524	C-CERAMIC
2203-006562	C613	C-CERAMIC
2203-006562	C614	C-CERAMIC
2203-006562	C618	C-CERAMIC
2203-006562	C619	C-CERAMIC
2203-006562	C620	C-CERAMIC
2203-006562	C718	C-CERAMIC
2203-006562	C719	C-CERAMIC
2203-006562	C721	C-CERAMIC
2203-006562	C724	C-CERAMIC
2203-006562	C725	C-CERAMIC
2203-006562	C726	C-CERAMIC
2203-006562	C727	C-CERAMIC
2203-006562	C803	C-CERAMIC
2203-006562	C806	C-CERAMIC
2203-006562	U711	C-CERAMIC

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
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2203-006681	C121	C-CERAMIC
2203-006824	C149	C-CERAMIC
2203-006824	C166	C-CERAMIC
2203-006824	C501	C-CERAMIC
2203-006824	C502	C-CERAMIC
2203-006824	C715	C-CERAMIC
2203-006825	C122	C-CERAMIC
2203-006825	C132	C-CERAMIC
2203-006838	C504	C-CERAMIC
2203-006838	C505	C-CERAMIC
2203-006838	C510	C-CERAMIC
2203-006838	C511	C-CERAMIC
2203-006838	C801	C-CERAMIC
2203-006839	C312	C-CERAMIC
2203-006872	C306	C-CERAMIC
2203-006978	C714	C-CERAMIC
2203-007165	C506	C-CERAMIC
2203-007165	C507	C-CERAMIC
2203-007165	C508	C-CERAMIC
2203-007165	C509	C-CERAMIC
2203-007165	C514	C-CERAMIC
2203-007165	C516	C-CERAMIC
2203-007165	C517	C-CERAMIC
2203-007165	C519	C-CERAMIC
2203-007270	C527	C-CERAMIC
2203-007271	C500	C-CERAMIC
2203-007271	C528	C-CERAMIC
2203-007271	C529	C-CERAMIC
2203-007271	C533	C-CERAMIC
2203-007271	C700	C-CERAMIC
2203-007271	C702	C-CERAMIC
2404-001339	TA200	C-TA
2404-001339	TA201	C-TA
2404-001339	TA202	C-TA
2404-001496	TA100	C-TA

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2404-001506	TA500	C-TA
2404-001506	TA700	C-TA
2703-001178	L213	INDUCTOR
2703-001701	L301	INDUCTOR
2703-001726	L105	INDUCTOR
2703-001726	L108	INDUCTOR
2703-001726	L109	INDUCTOR
2703-001726	L111	INDUCTOR
2703-001726	L307	INDUCTOR
2703-001728	L207	INDUCTOR
2703-001729	L205	INDUCTOR
2703-001729	L210	INDUCTOR
2703-001734	L302	INDUCTOR
2703-001737	L123	INDUCTOR
2703-001737	C144	INDUCTOR
2703-001747	L300	INDUCTOR
2703-001747	L113	INDUCTOR
2703-001748	L120	INDUCTOR
2703-001748	L201	INDUCTOR
2703-001749	L303	INDUCTOR
2703-001750	L115	INDUCTOR
2703-001750	L117	INDUCTOR
2703-001751	C205	INDUCTOR
2703-001751	L114	INDUCTOR
2703-001786	L112	INDUCTOR
2703-001938	L600	INDUCTOR
2703-001938	L603	INDUCTOR
2703-001938	L106	INDUCTOR
2703-002155	L110	INDUCTOR
2703-002176	L119	INDUCTOR
2703-002198	L116	INDUCTOR
2703-002198	L212	INDUCTOR
2703-002200	L122	INDUCTOR
2703-002201	L102	INDUCTOR
2703-002203	L204	INDUCTOR
2703-002203	L206	INDUCTOR

<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
2703-002365	C204	INDUCTOR
2703-002365	L214	INDUCTOR
2703-002367	R209	INDUCTOR
2703-002369	L217	INDUCTOR
2703-001708	L209	INDUCTOR
2703-002506	L306	INDUCTOR
2703-002519	L202	INDUCTOR
2703-002862	L703	INDUCTOR
2703-003196	L704	INDUCTOR
2703-003258	L500	INDUCTOR
2703-003258	L501	INDUCTOR
2703-003258	L502	INDUCTOR
2703-003258	L503	INDUCTOR
2801-004373	OSC500	CRYSTAL-UNIT
2804-001762	VCO300	OSCILLATOR-CLOCK
2809-001324	OSC100	OSCILLATOR-VCTCXO
2901-001361	F803	FILTER-EMI
2901-001361	F804	FILTER-EMI
2901-001361	F805	FILTER-EMI
2901-001470	F800	FILTER-EMI
2901-001470	F801	FILTER-EMI
2901-001470	F802	FILTER-EMI
2901-001552	F501	FILTER-EMI
2904-001705	F100	FILTER-SAW
2904-001739	F201	FILTER-SAW
2904-001756	F101	FILTER-SAW
2904-001759	F300	FILTER-SAW
2904-001789	F202	FILTER-SAW
2904-001883	F200	FILTER-SAW
2910-000032	DUF201	FILTER
2910-000068	DUF200	FILTER
2910-000069	DUF202	FILTER
2911-000128	RFS102	FILTER
3301-001756	L118	BEAD
3301-001812	L604	BEAD
3301-001812	L700	BEAD

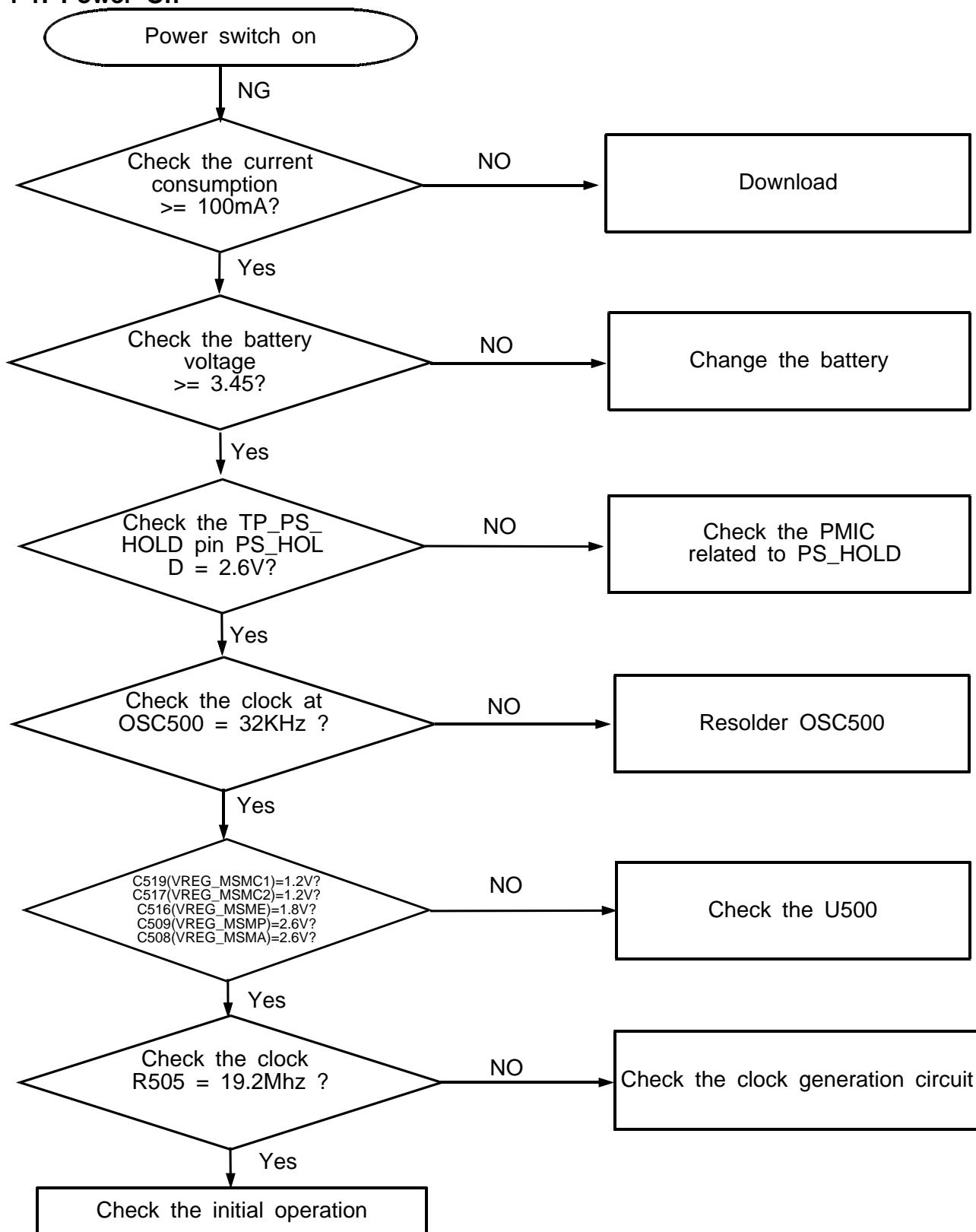
<b>SEC CODE</b>	<b>Design LOC</b>	<b>Description</b>
3301-001812	L701	BEAD
3301-001812	L702	BEAD
3301-001914	L103	BEAD
3404-001303	TAC500	SWITCH-TACT
3404-001303	TAC800	SWITCH-TACT
3404-001303	TAC801	SWITCH-TACT
3705-001225	RFS100	CONNECTOR
3705-001503	RFS101	CONNECTOR
3708-002162	SLC801	CONNECTOR
3708-002283	SLC800	CONNECTOR
3709-001336	SIM500	CONNECTOR
3709-001504	CD500	CONNECTOR
3711-005296	HDC800	CONNECTOR
3711-005578	HDC803	CONNECTOR
3711-005962	HDC804	CONNECTOR
3711-006119	HDC801	CONNECTOR
3711-006217	BTC500	CONNECTOR
3711-006277	CN400	CONNECTOR
3722-002840	IFC700	CONNECTOR
4302-001130	BAT500	BATTERY
4709-001628	CPL200	RF-MODULE
4709-001629	CPL202	RF-MODULE
4709-001663	MOD300	RF-MODULE
4709-001713	CPL201	RF-MODULE
GH70-03349A	SC200,	SHIELD-CLIP
GH70-03349A	SC202	SHIELD-CLIP
GH70-03349A	SC203	SHIELD-CLIP
GH70-03349A	SC204	SHIELD-CLIP
GH70-03349A	SC206	SHIELD-CLIP
GH71-08426A	ANT300	ANT
GH71-08426A	ANT301	ANT
GH71-08426A	ANT600	CONTACT
GH71-08426A	ANT601	CONTACT

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

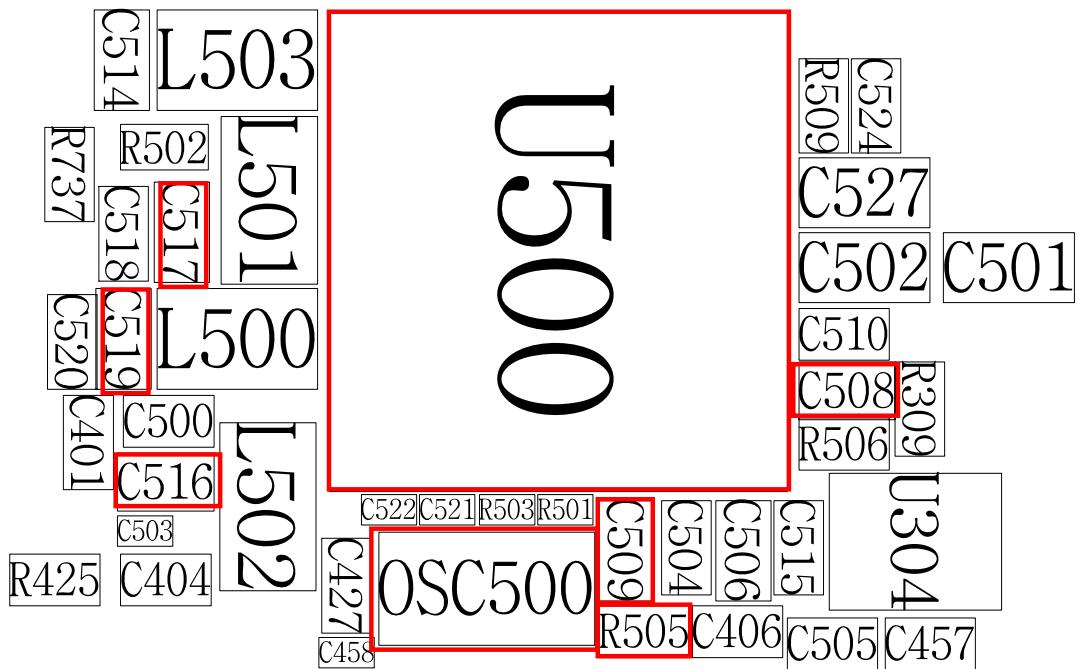
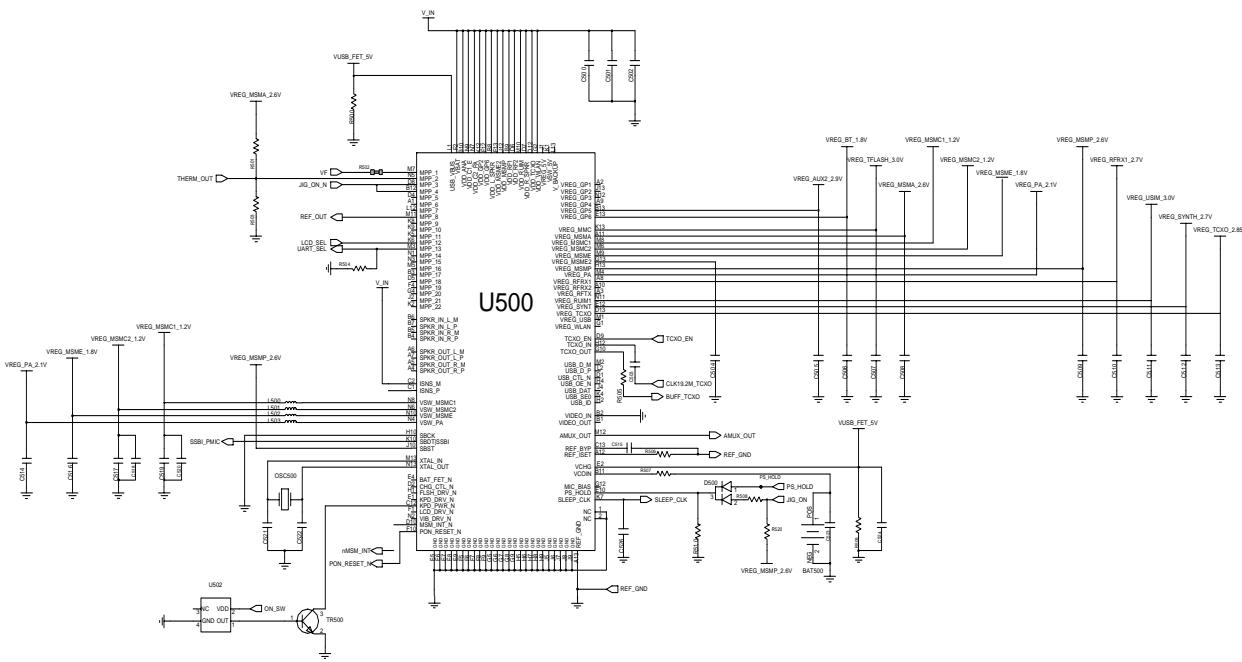
## 9. Flow Chart of Troubleshooting

### 9-1. LOGIC

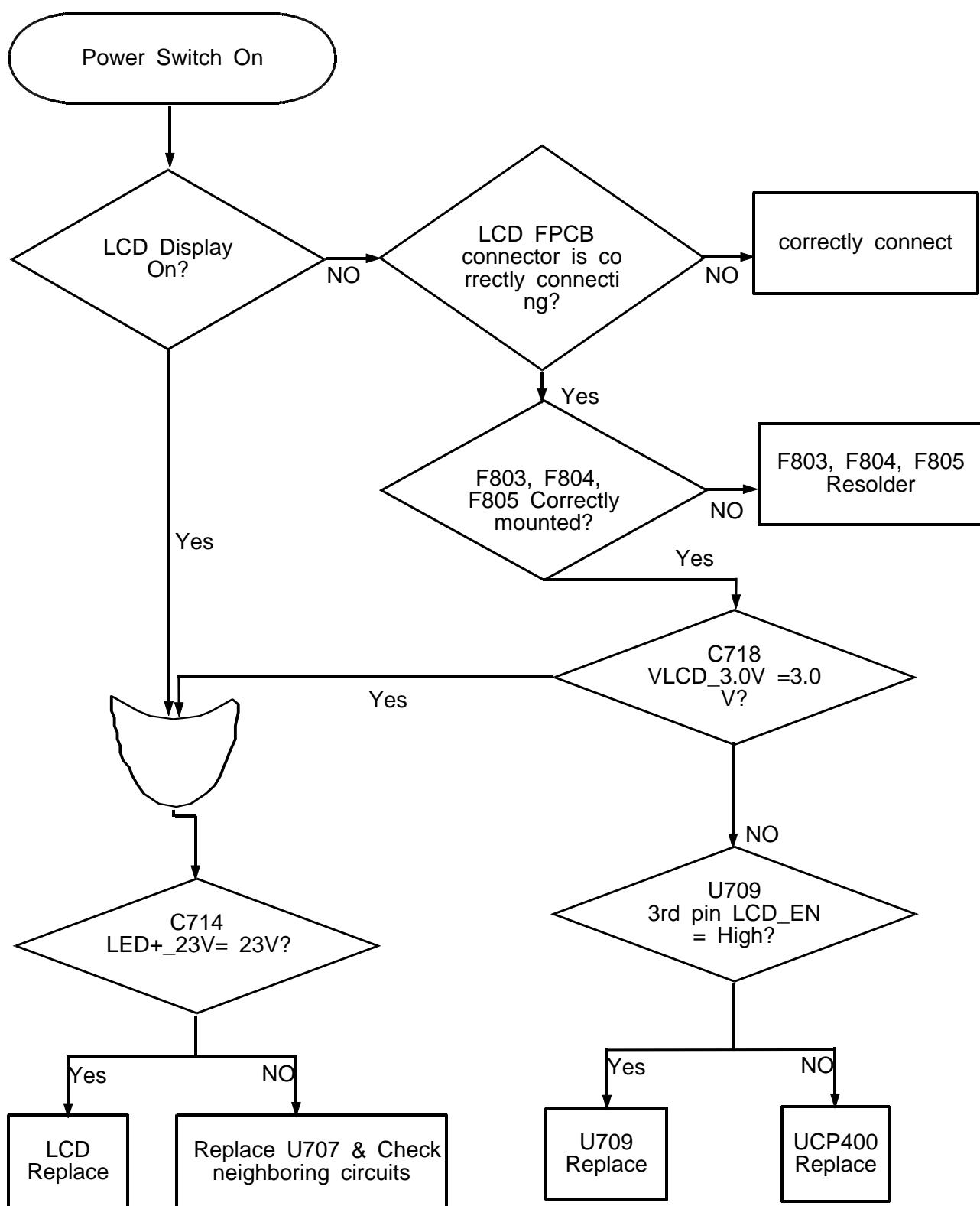
#### 9-1-1. Power On



Flow Chart of Troubleshooting

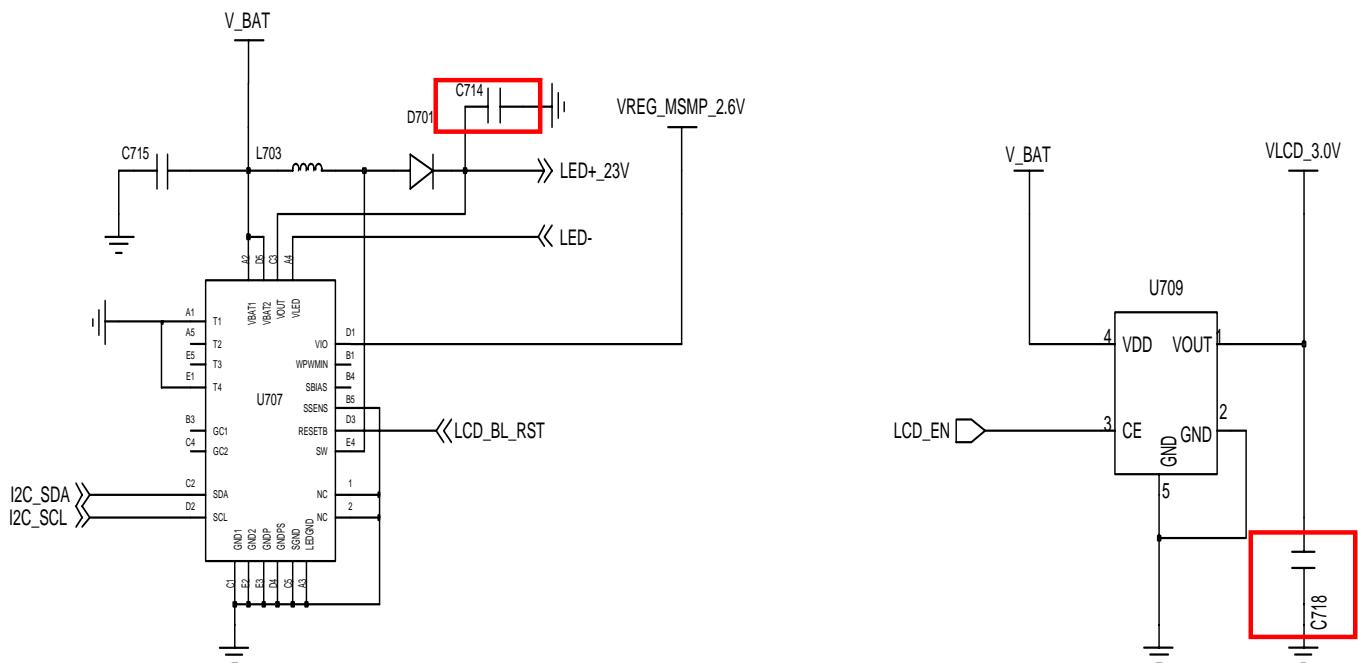
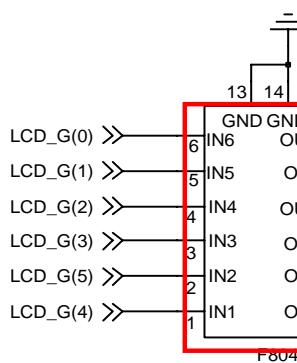
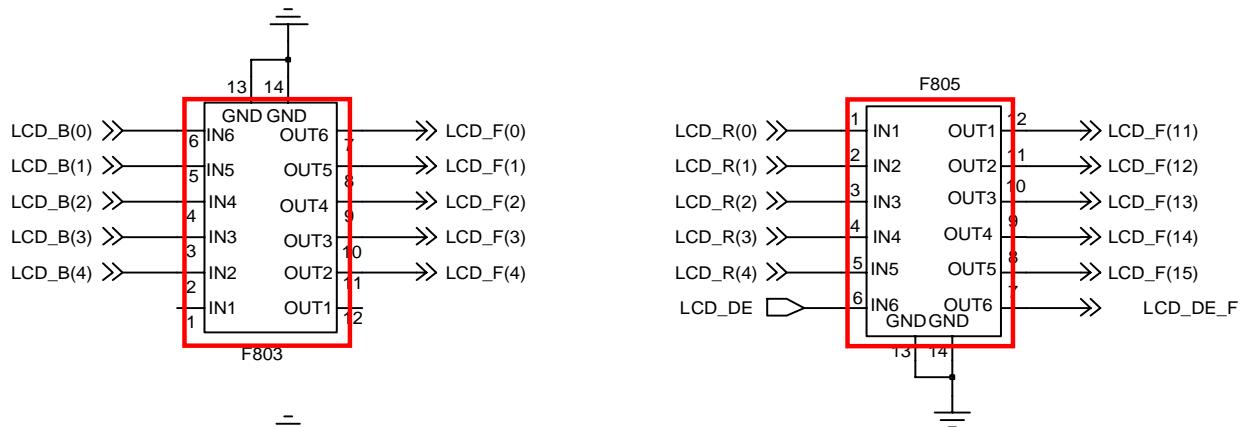


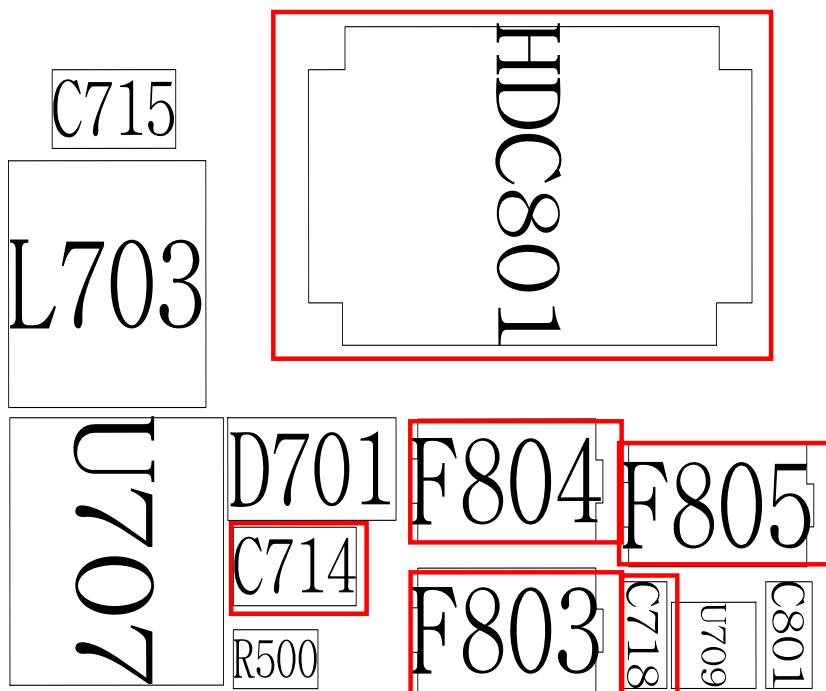
### 9-1-2. LCD Working



## Flow Chart of Troubleshooting

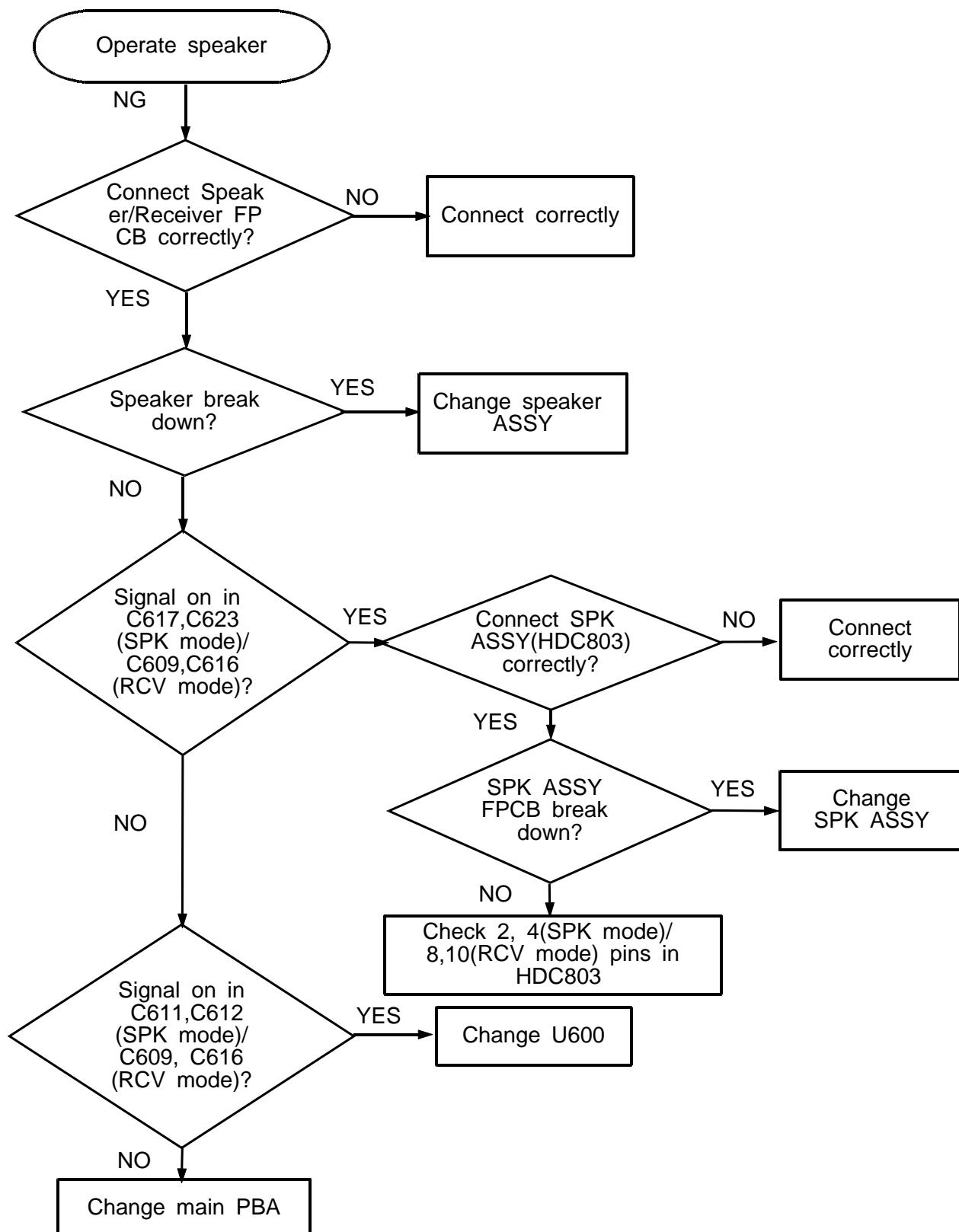
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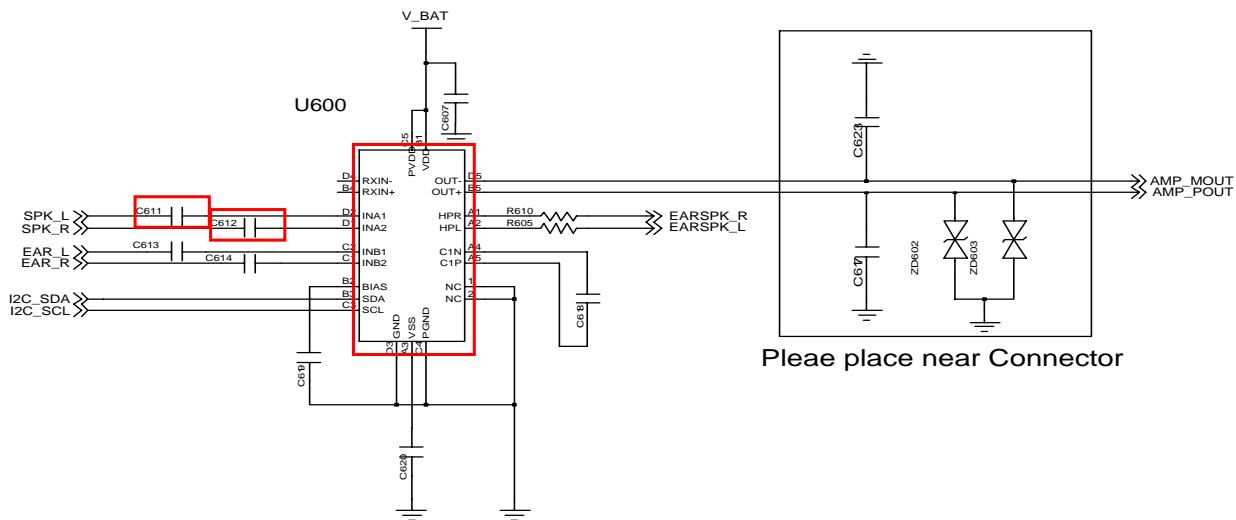




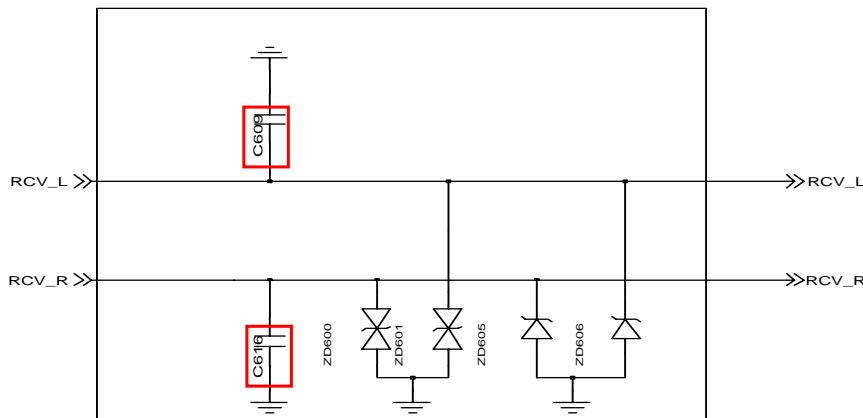
### 9-1-3. Audio Working

- Speaker(Receiver) Working

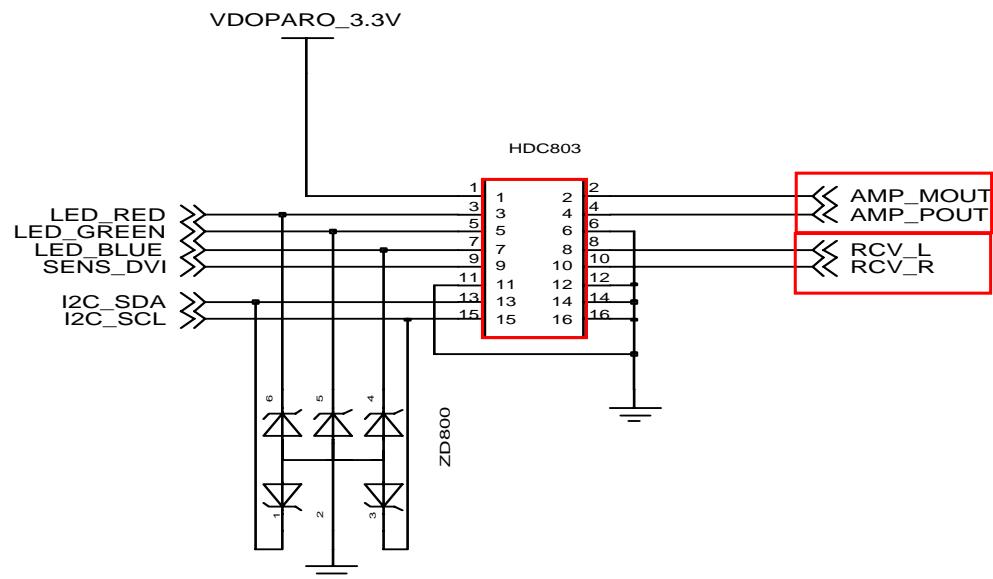


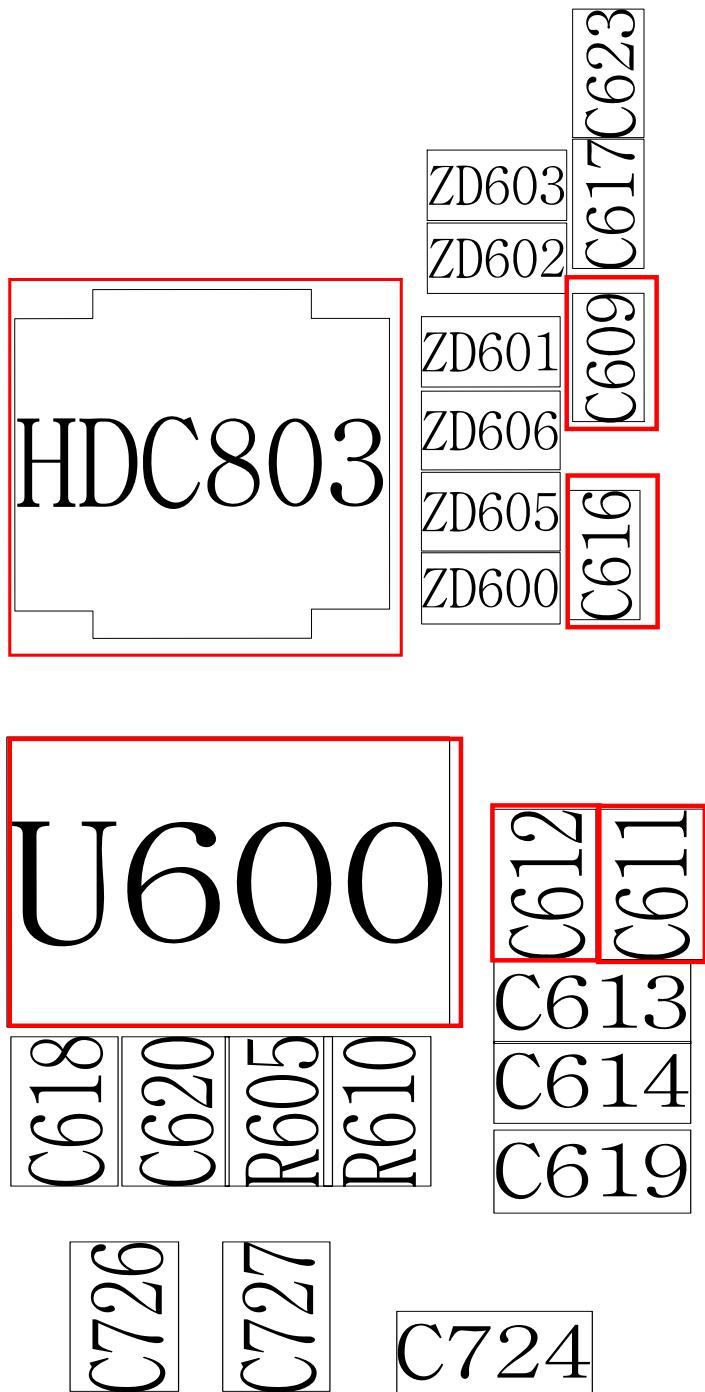


Please place near Connector

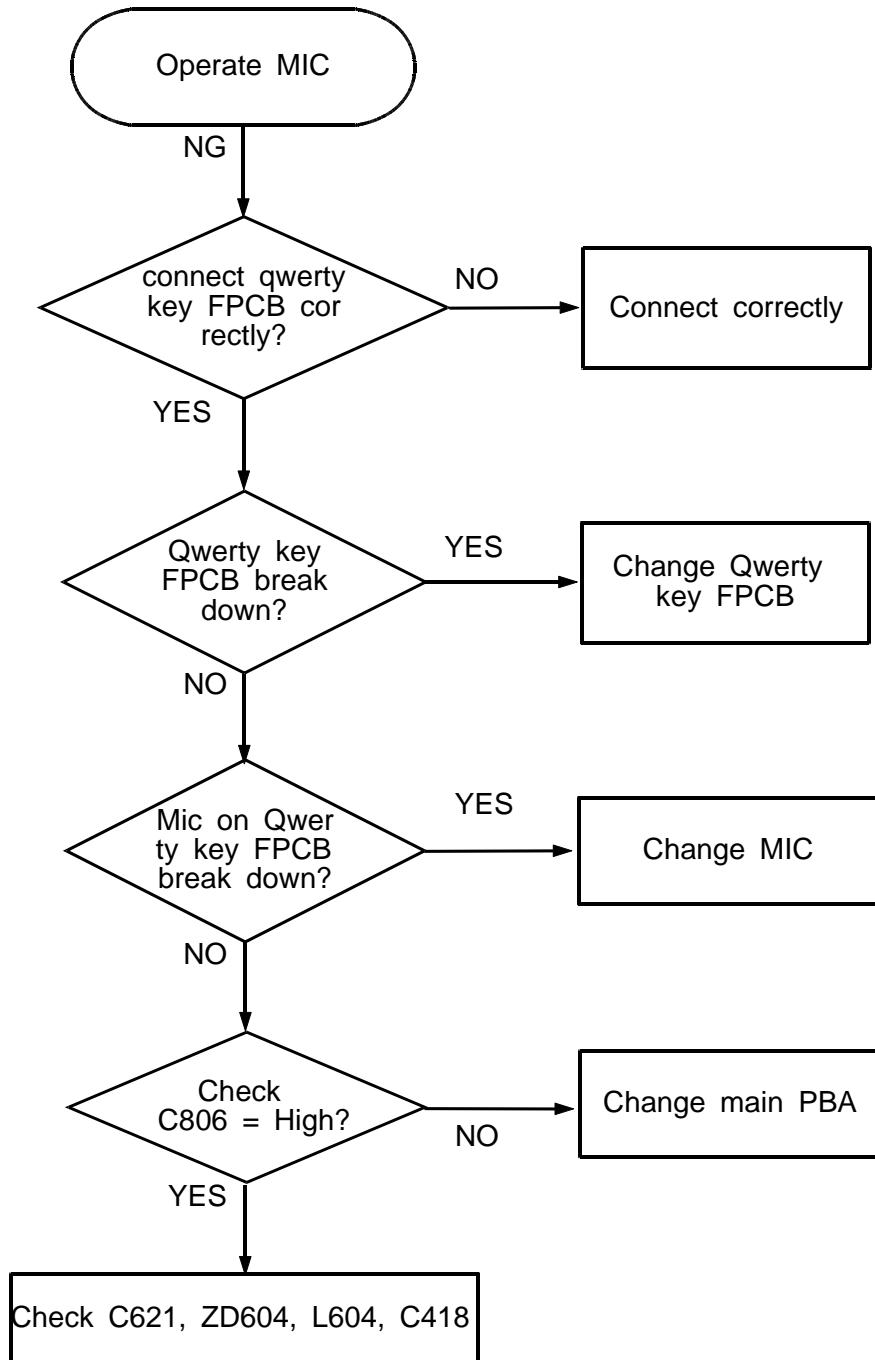


Please place near Connector

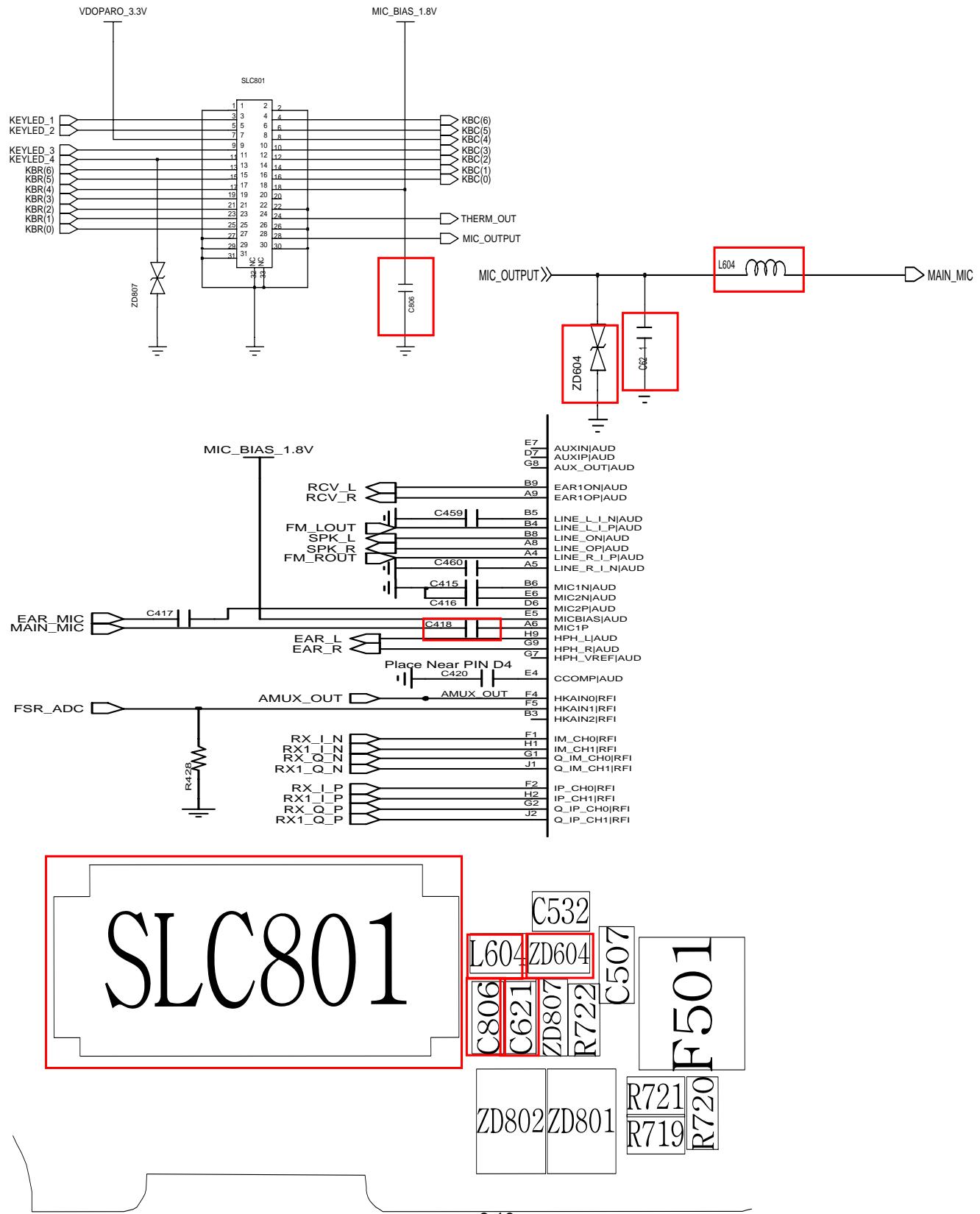




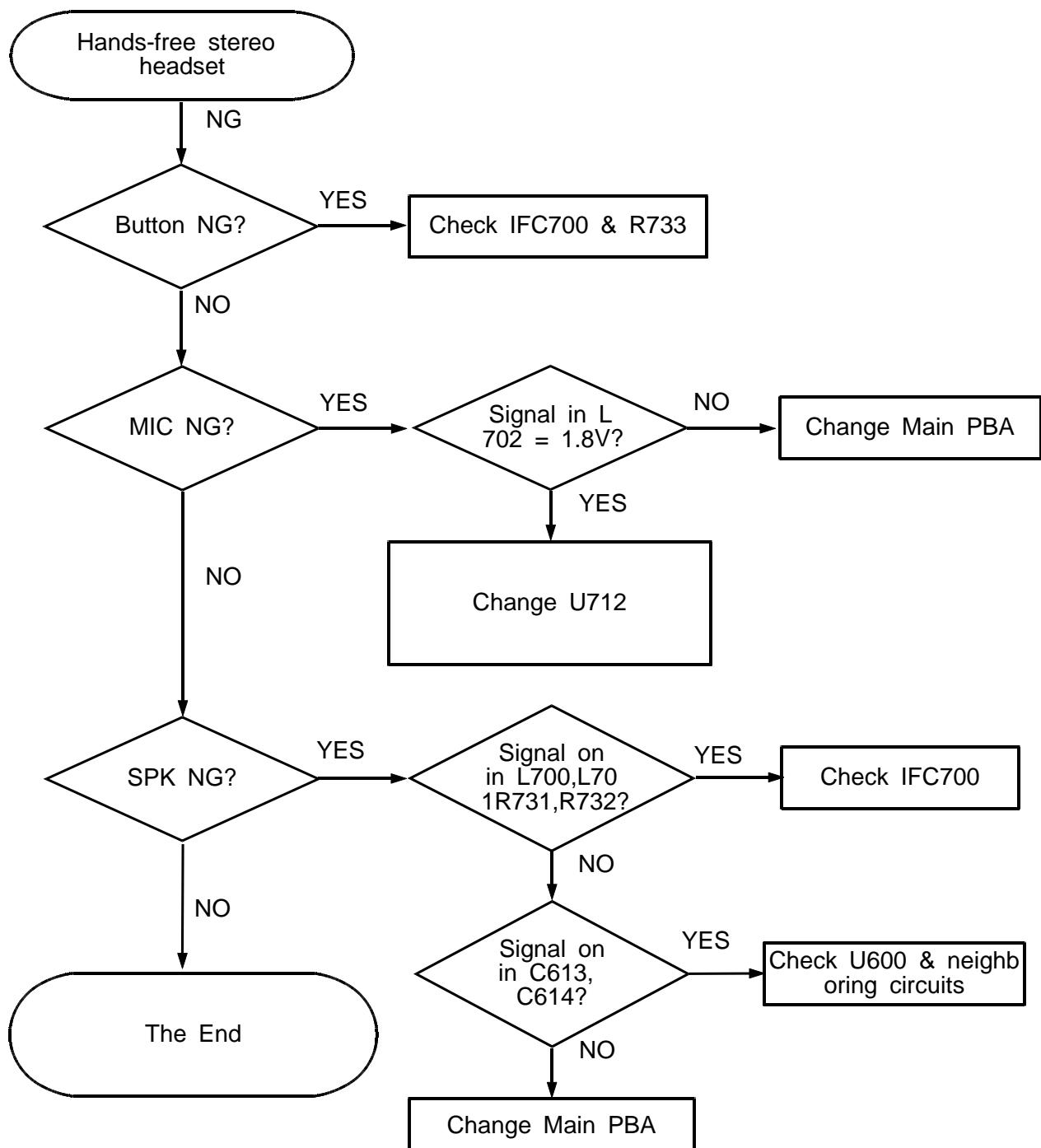
- MIC Working



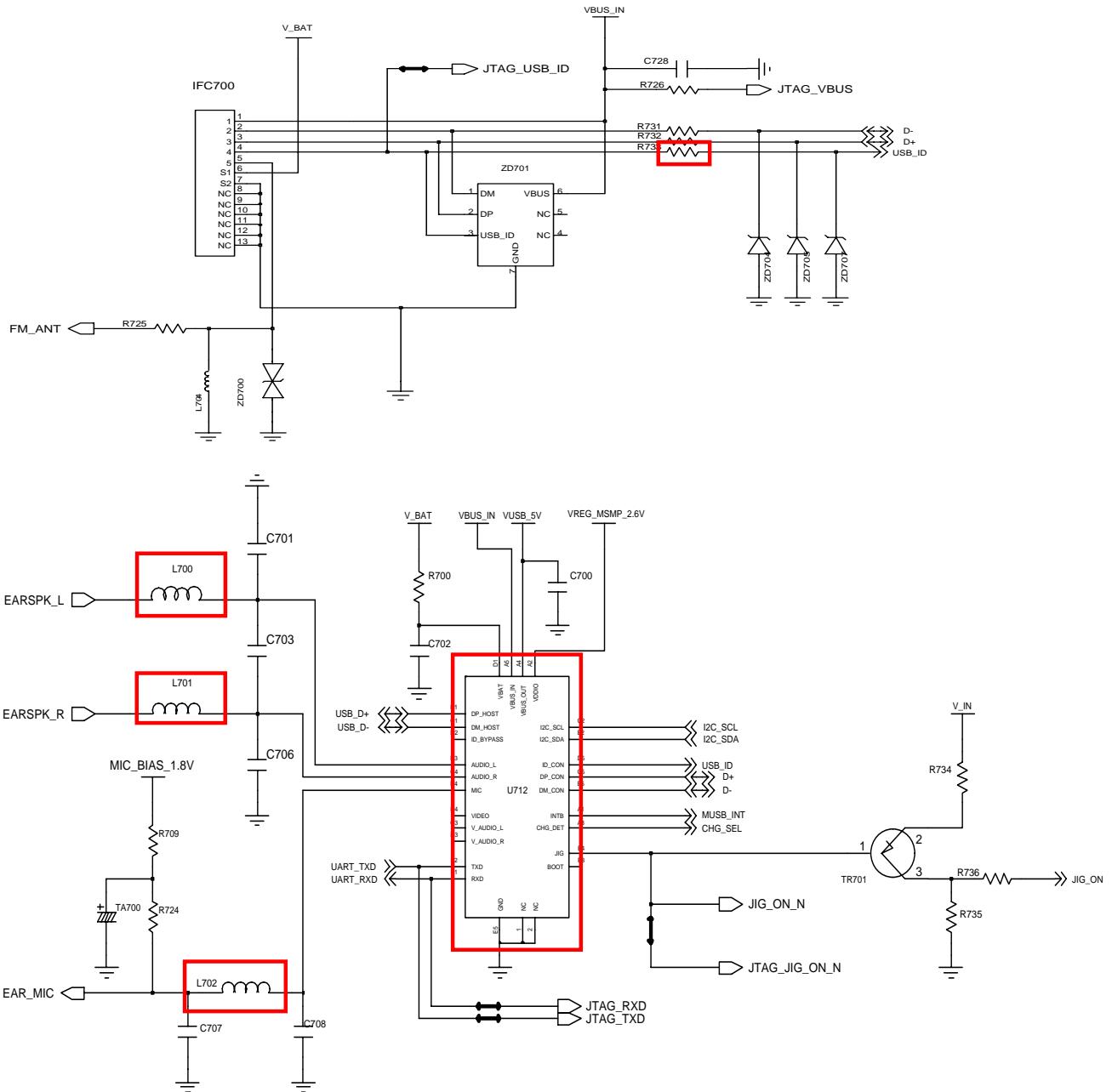
## Flow Chart of Troubleshooting

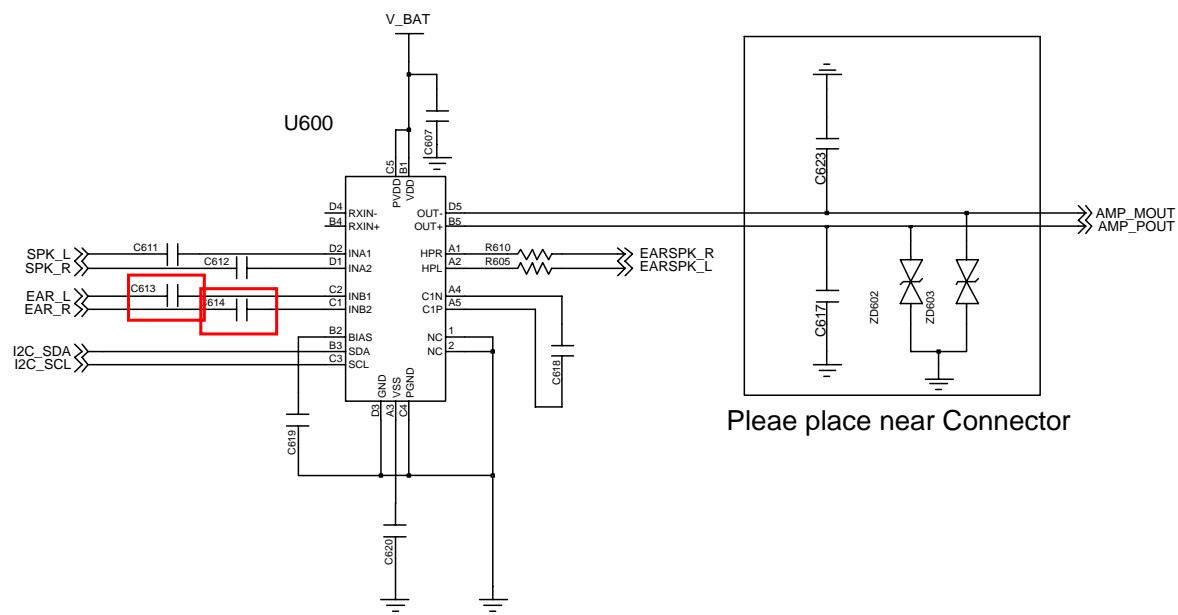


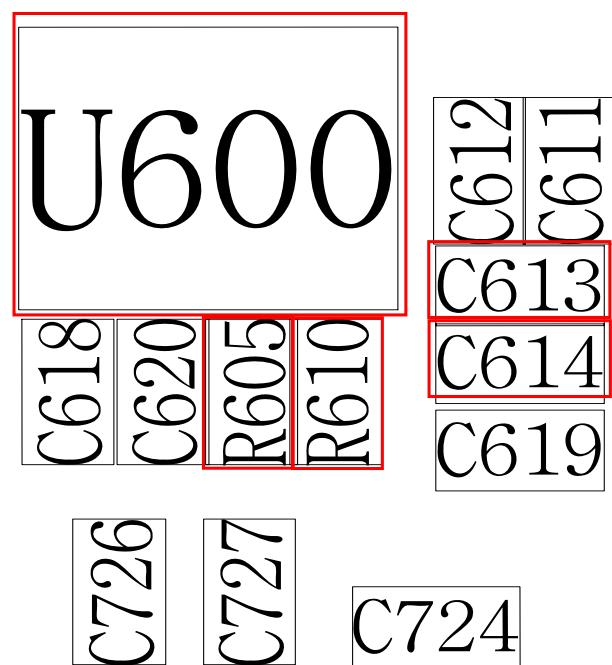
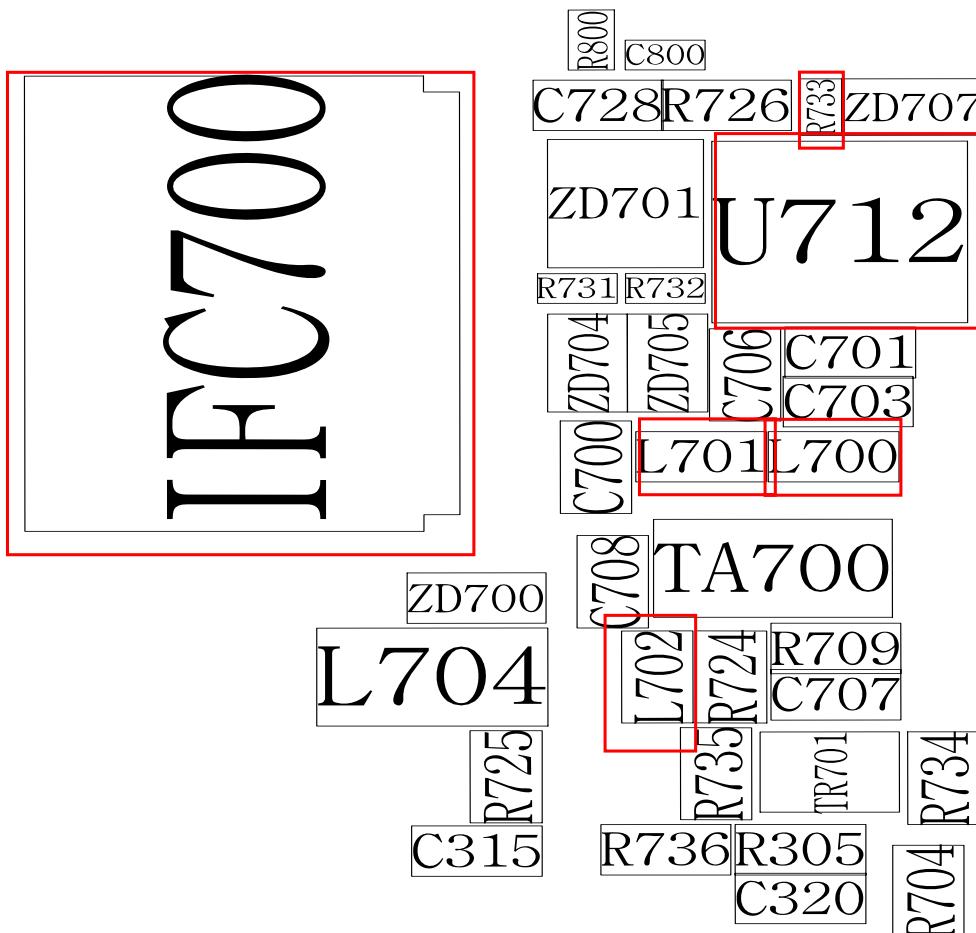
- Hands-Free Stereo Headset Working



## Flow Chart of Troubleshooting

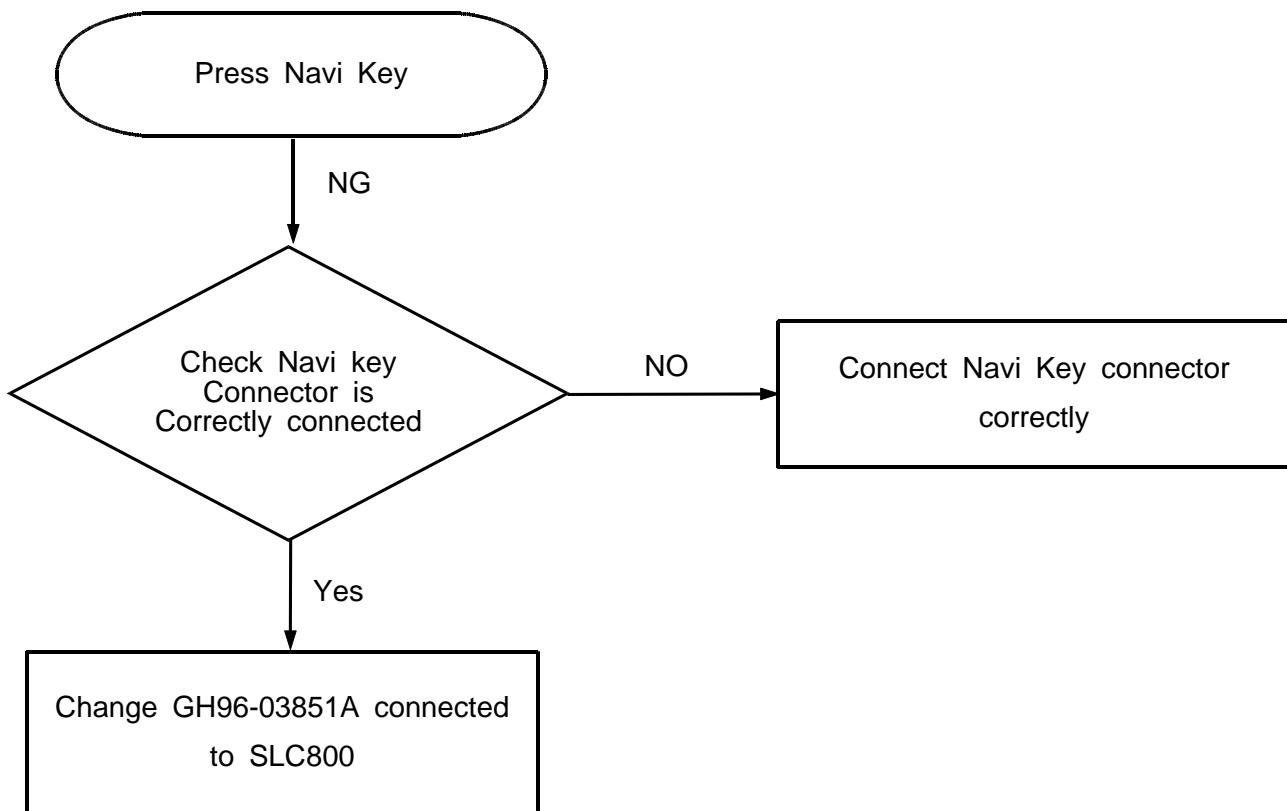


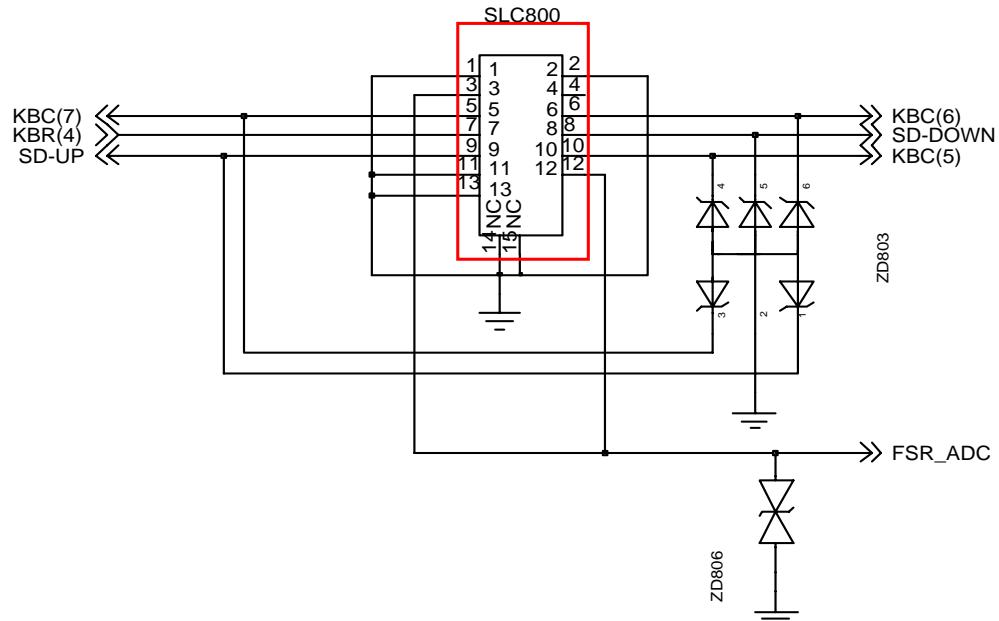




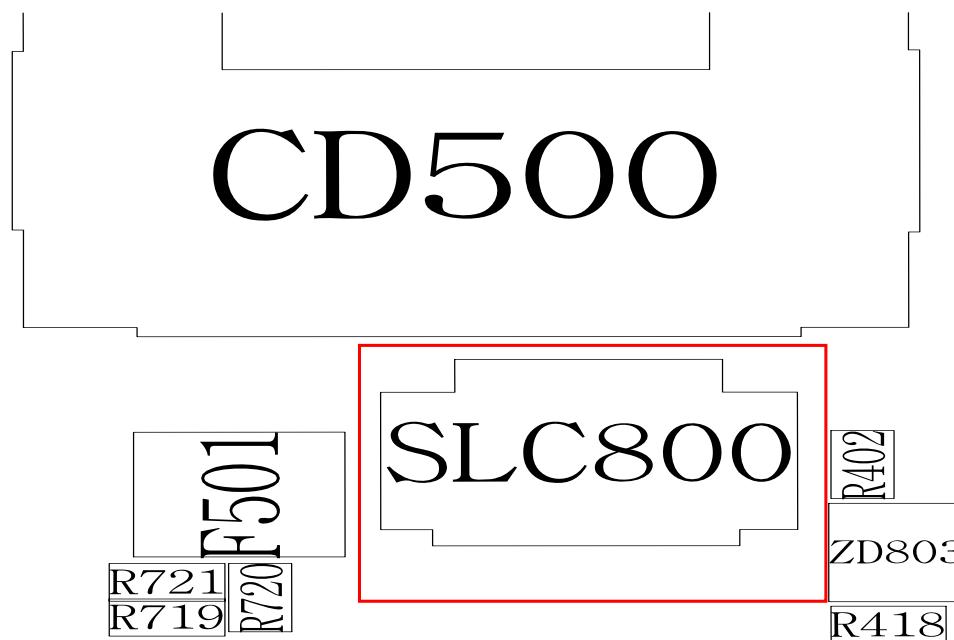
**9-1-4. KEY Working**

- Navi KEY

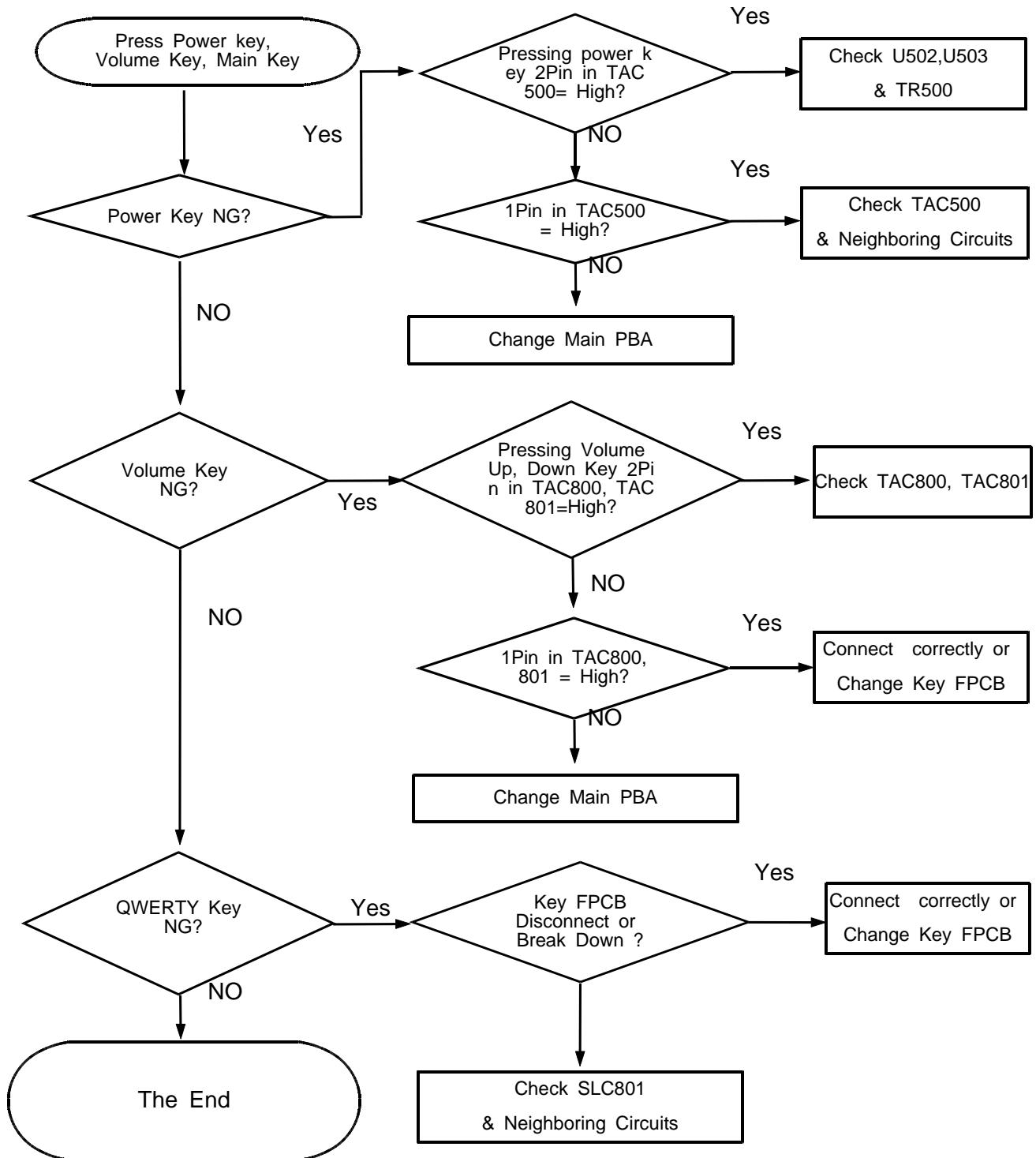




## FSR SNAP DOME

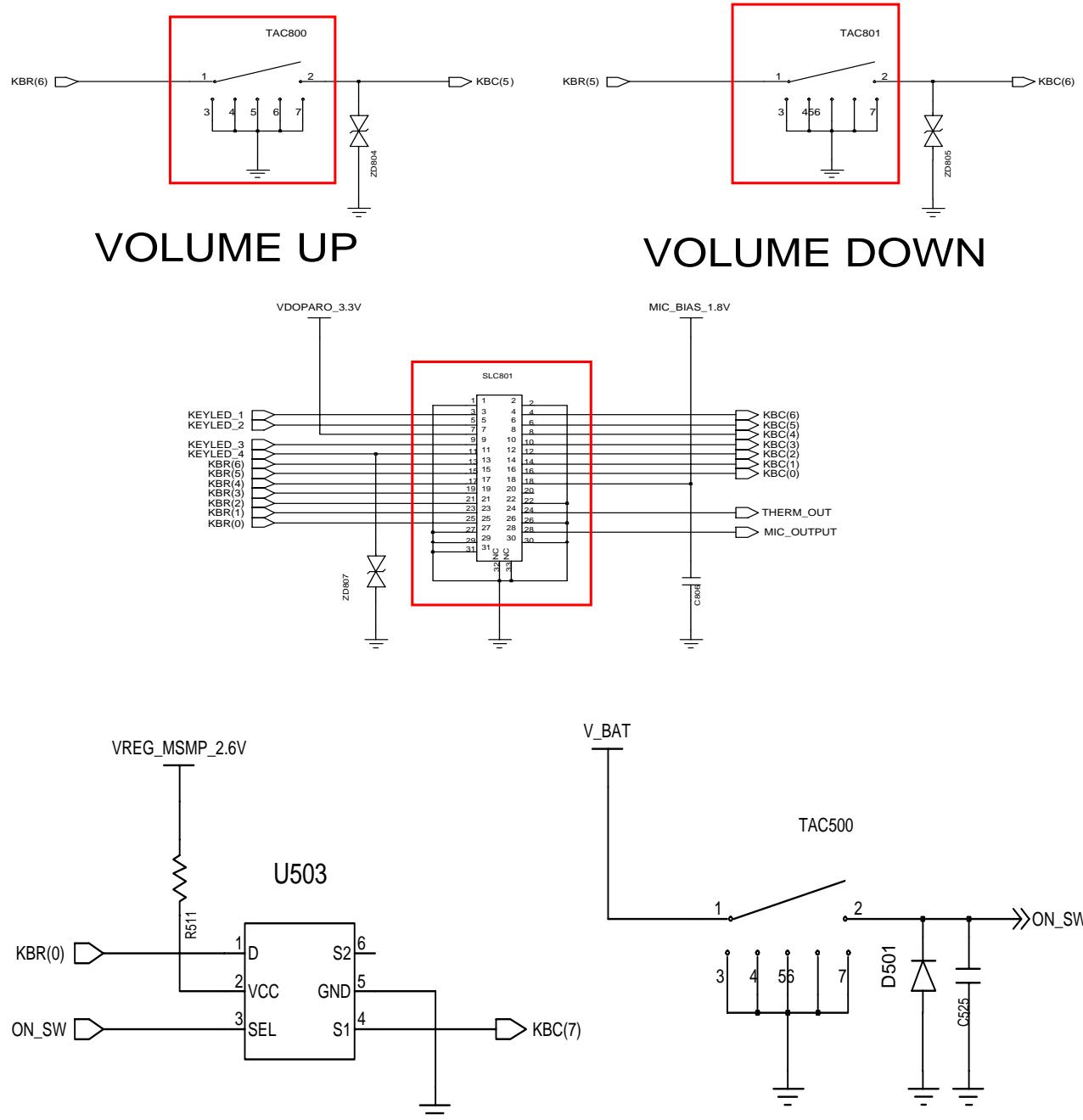


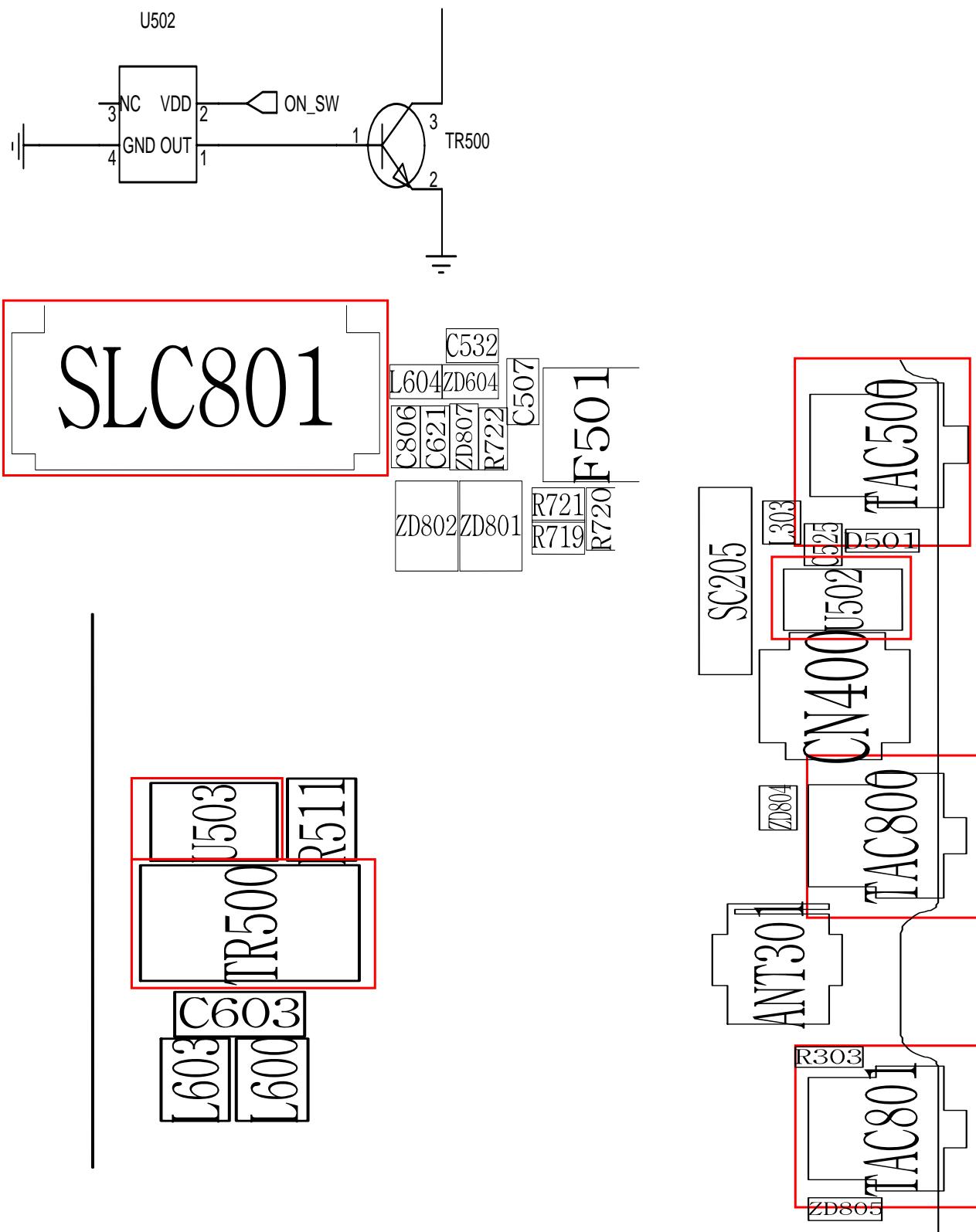
- POWER KEY, VOLUME KEY, MAIN KEY PART

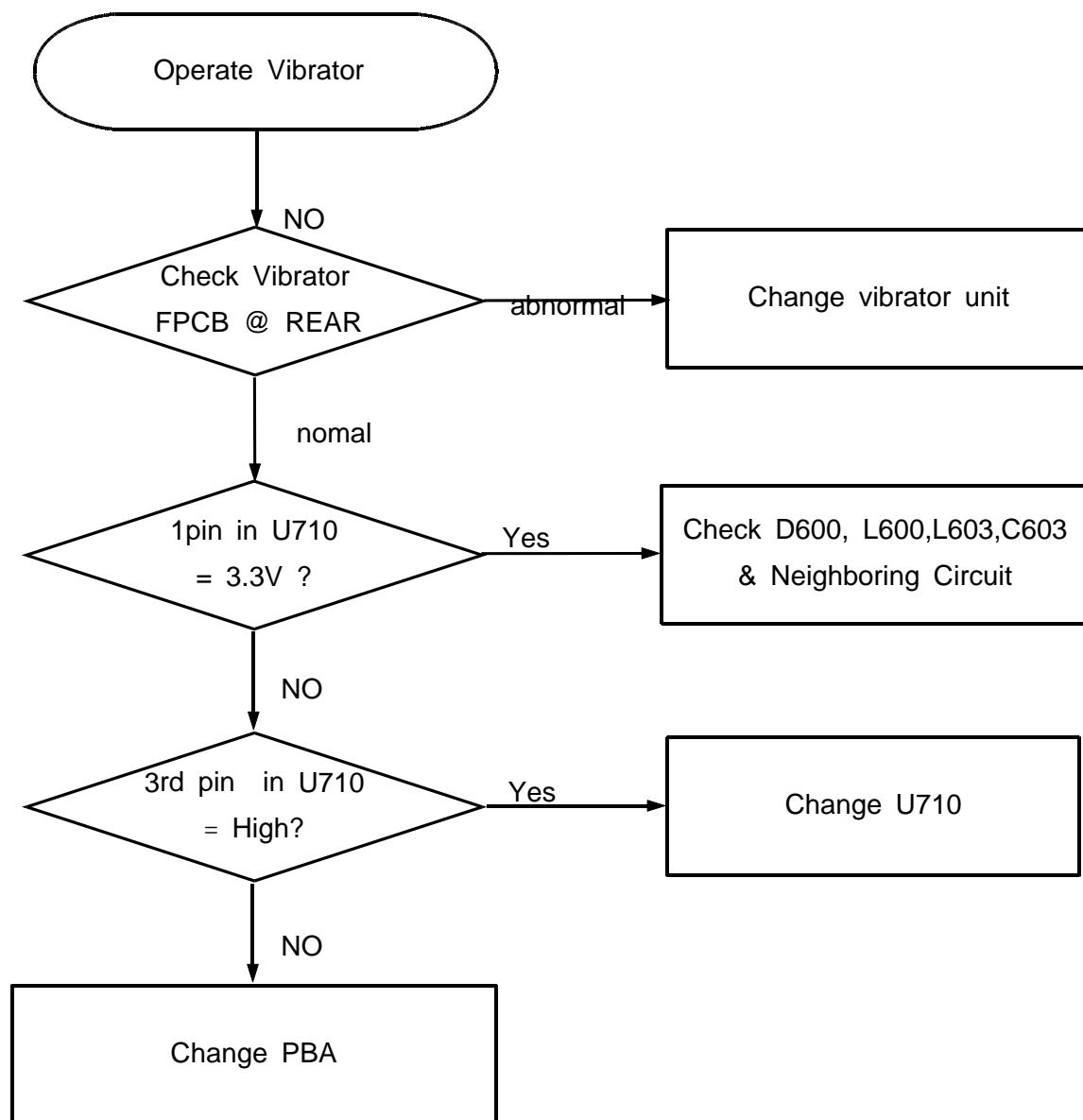


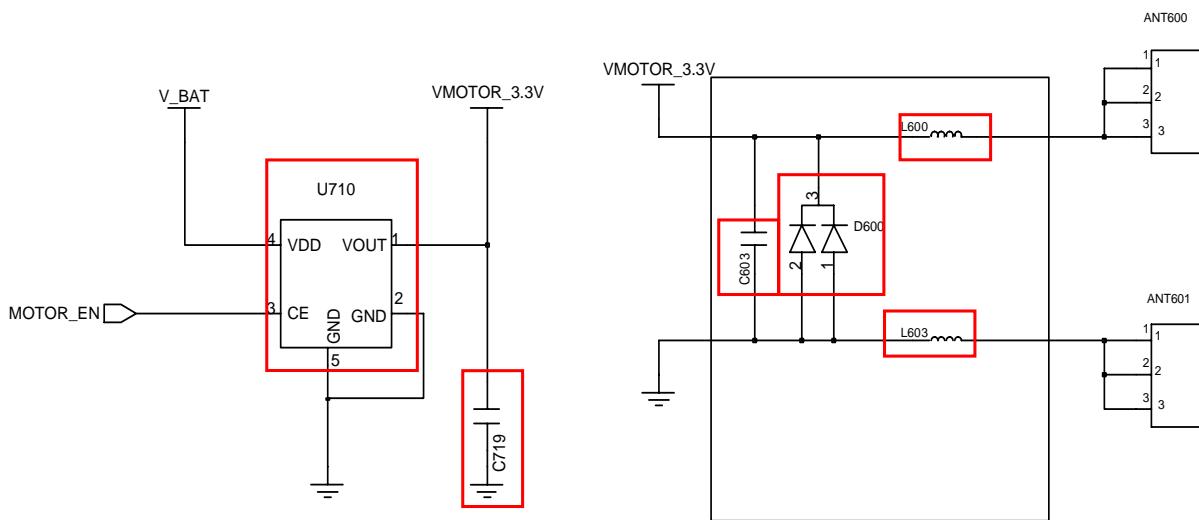
Flow Chart of Troubleshooting

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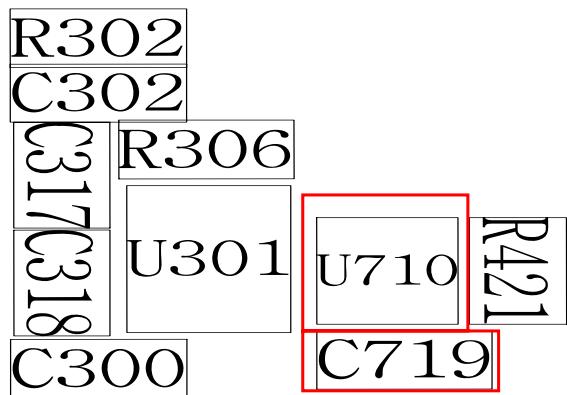
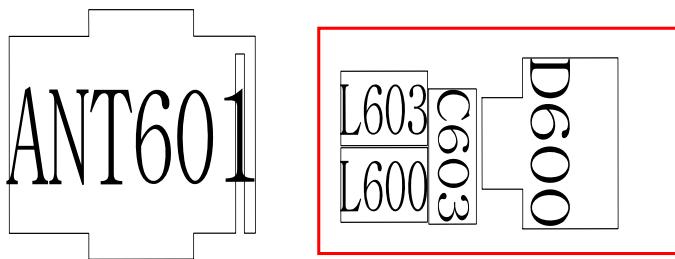




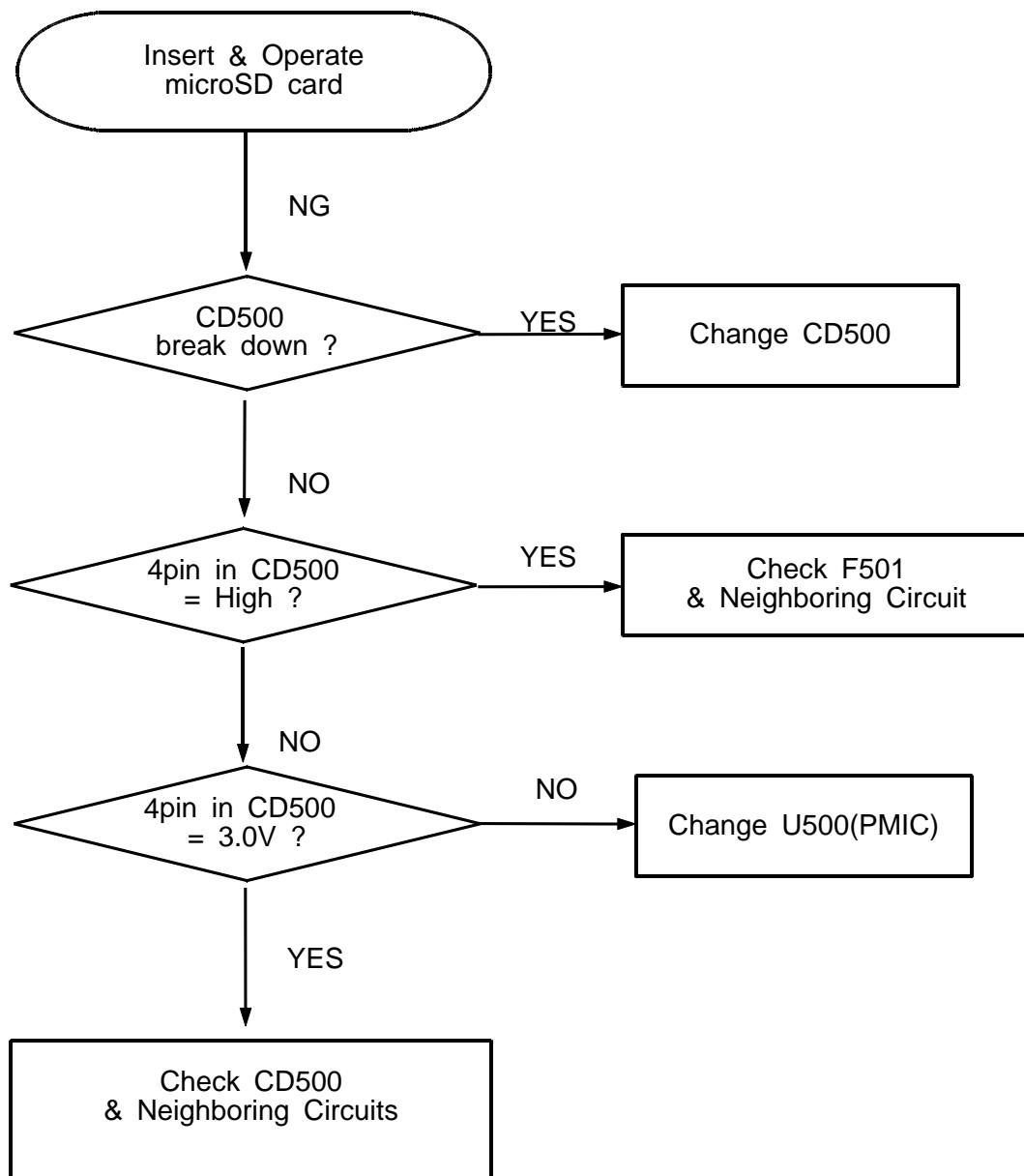
**9-1-5. Vibrator Working**

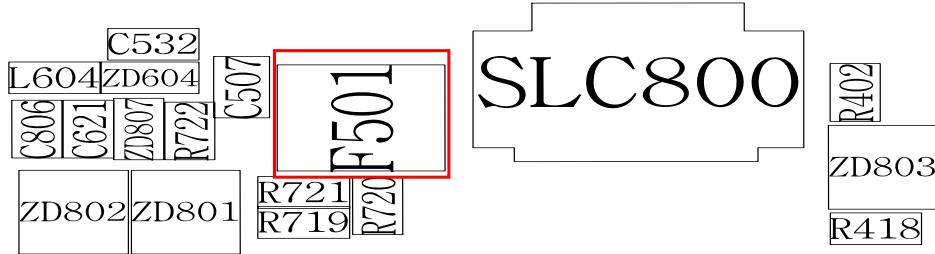
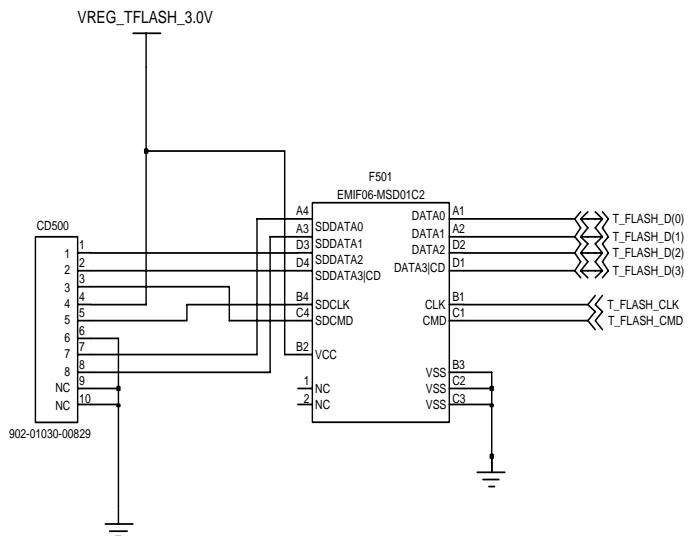


Place near PAD

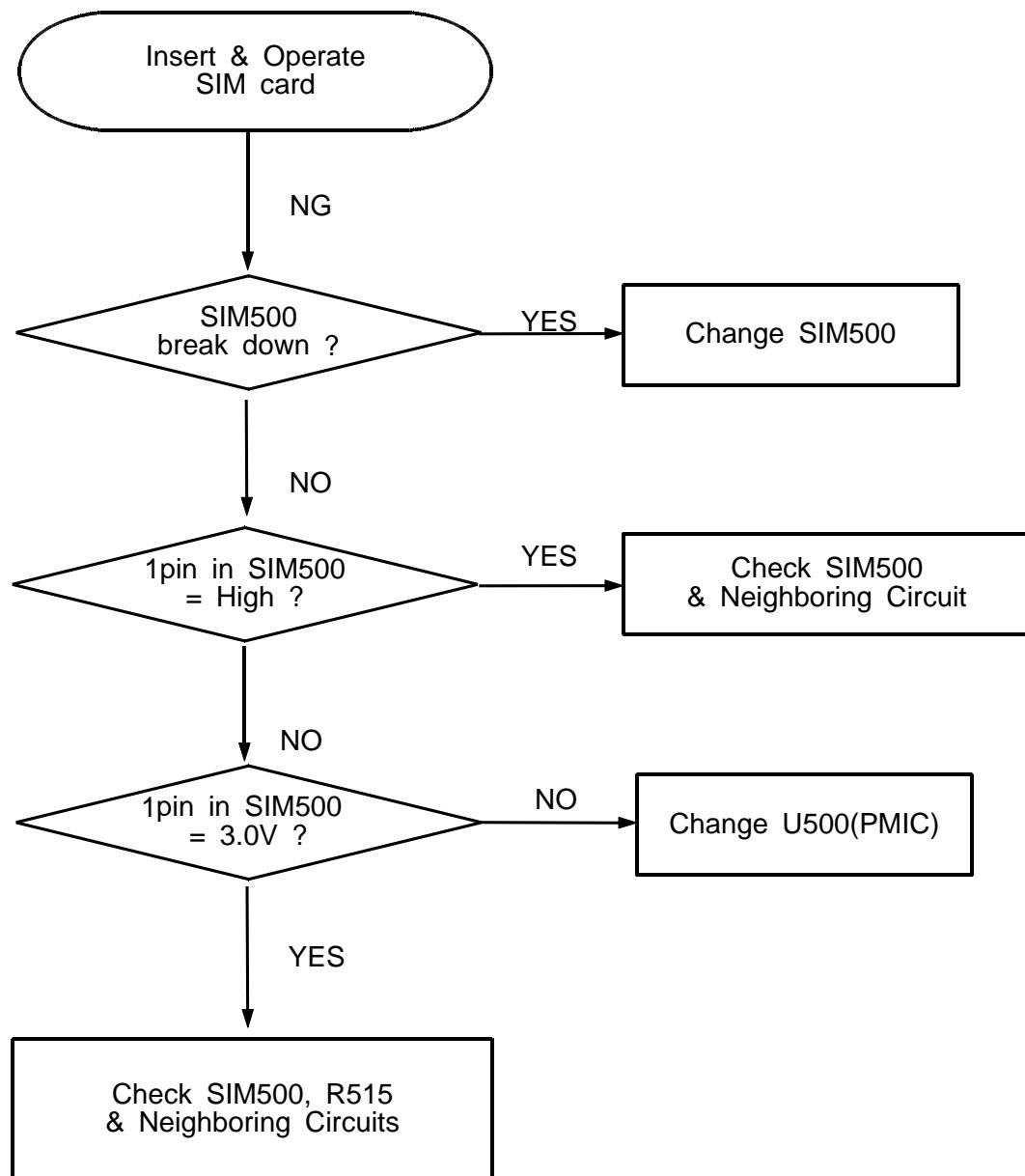


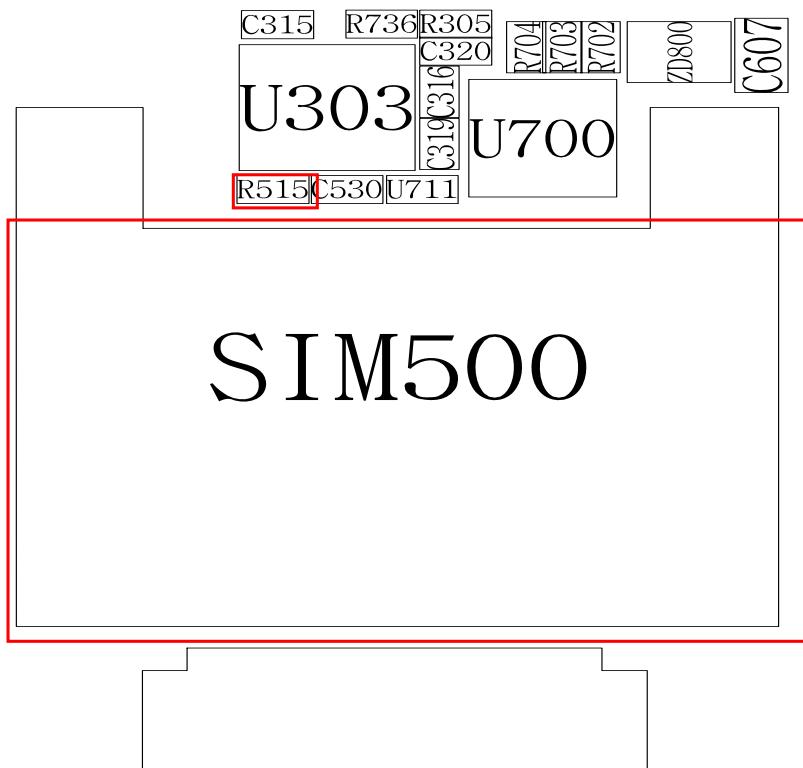
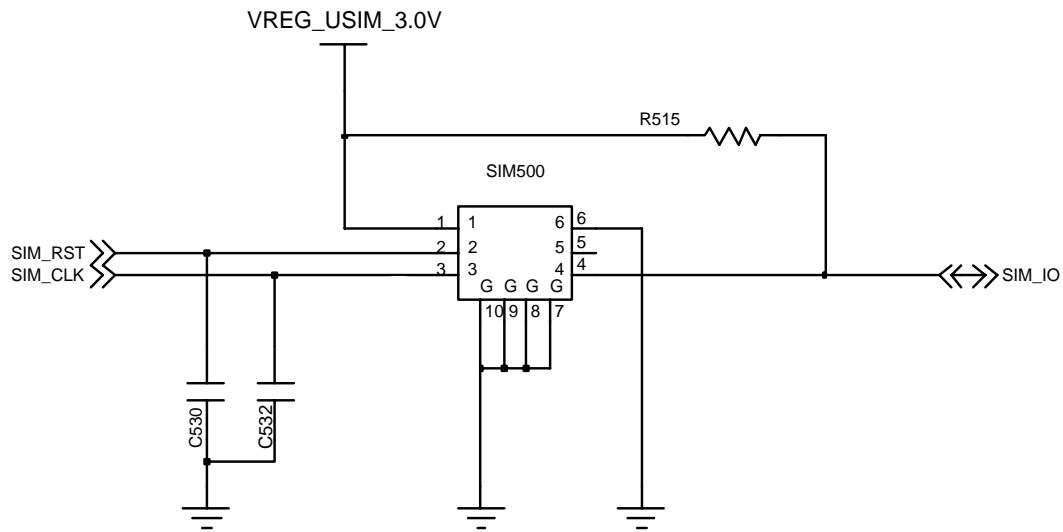
### 9-1-6. T-Flash Card Working

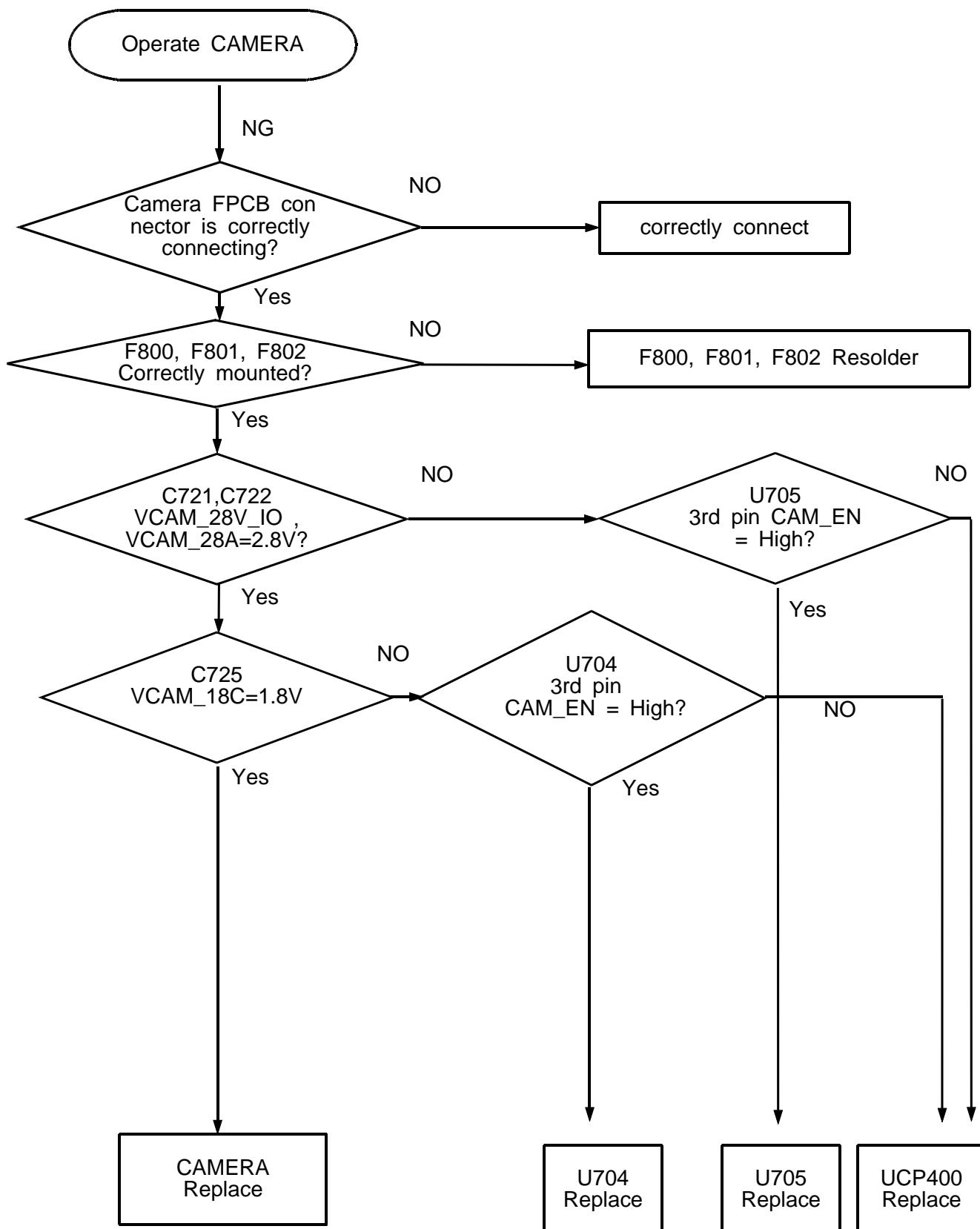


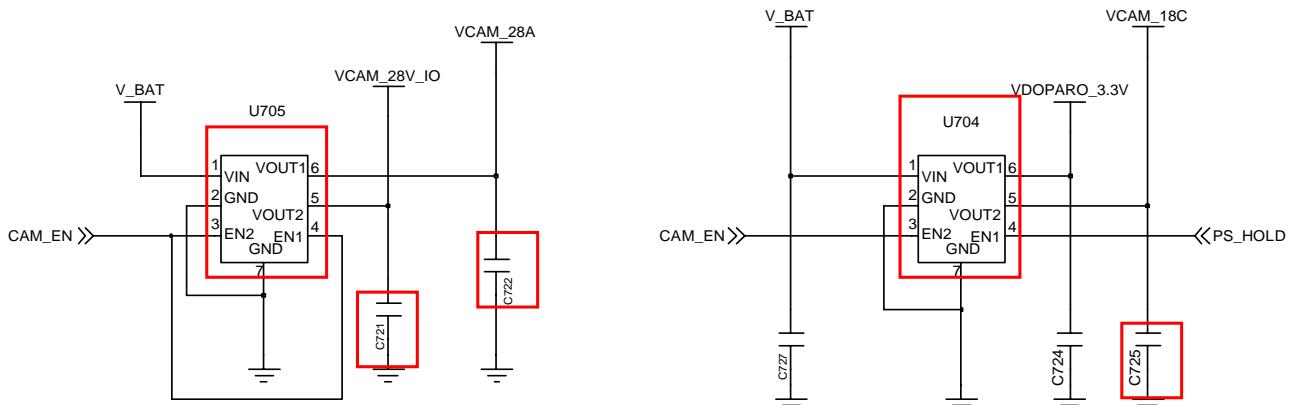


### 9-1-7. SIM Card Working

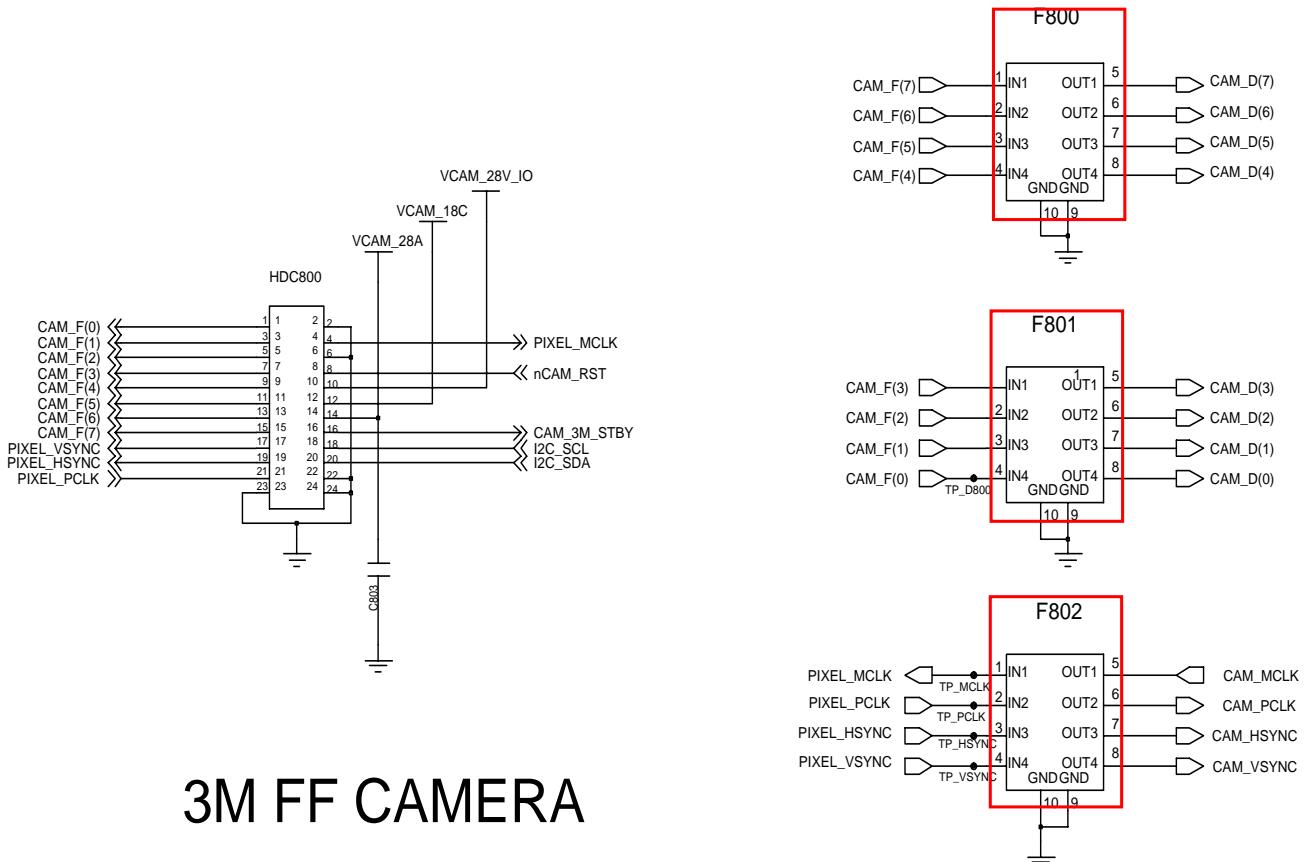




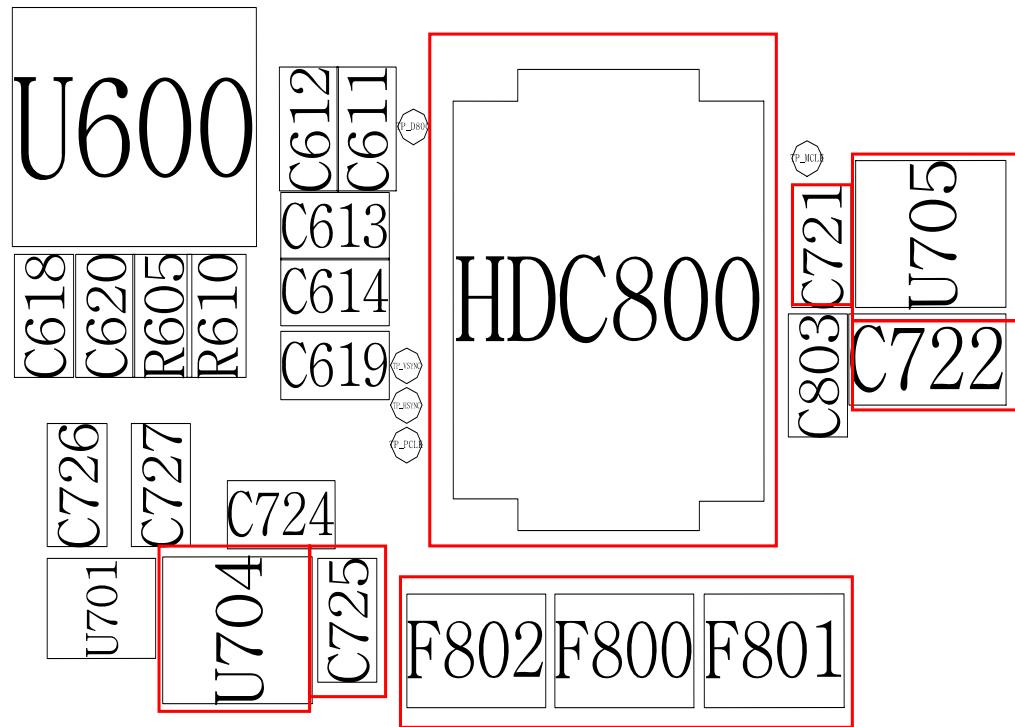
**9-1-8 3.2M CAMERA Working**

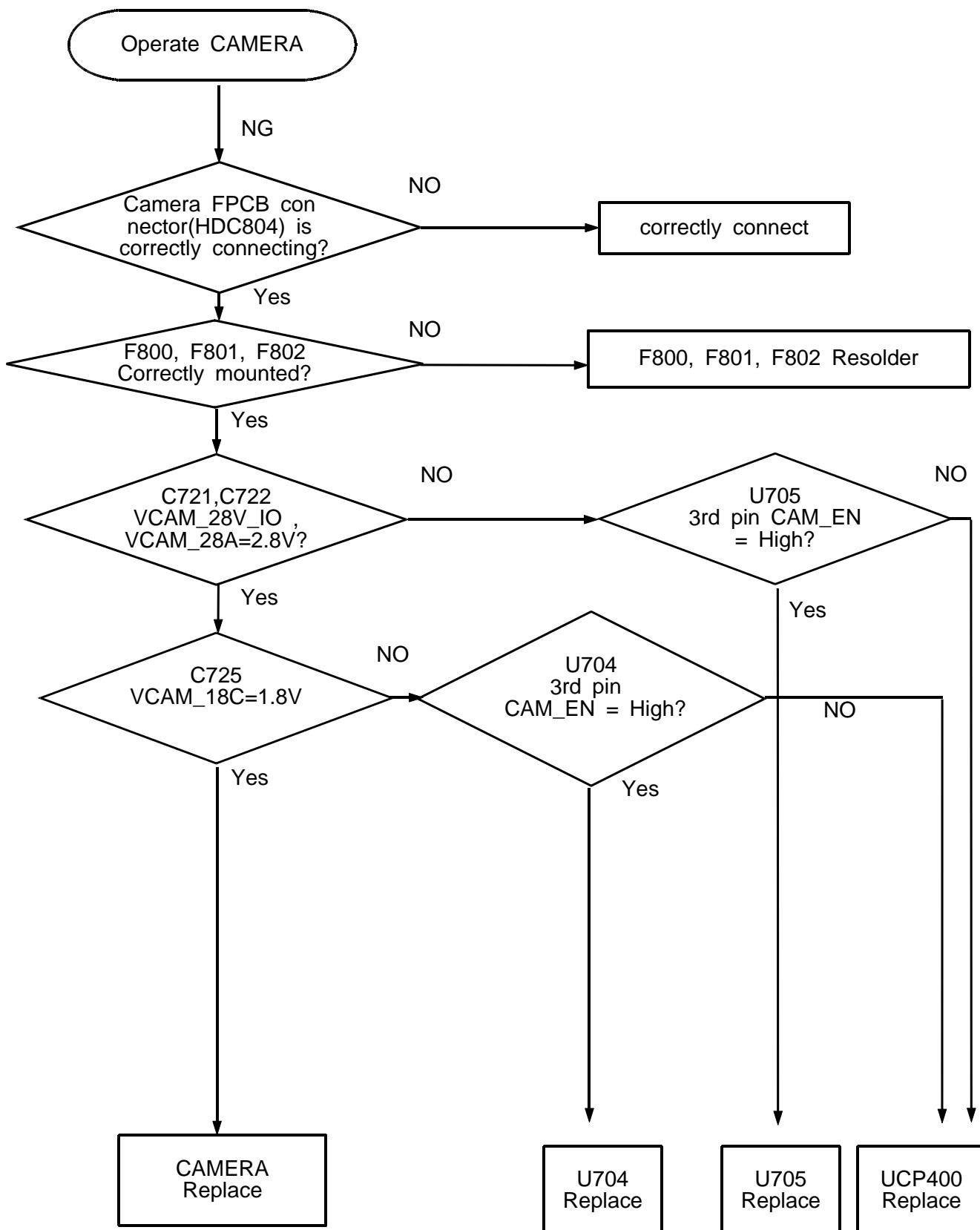


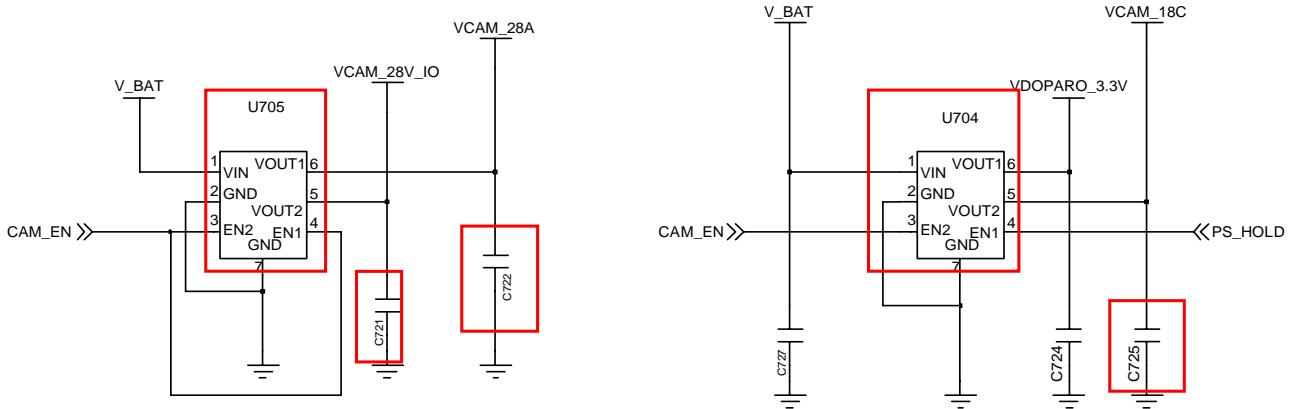
## LDOS



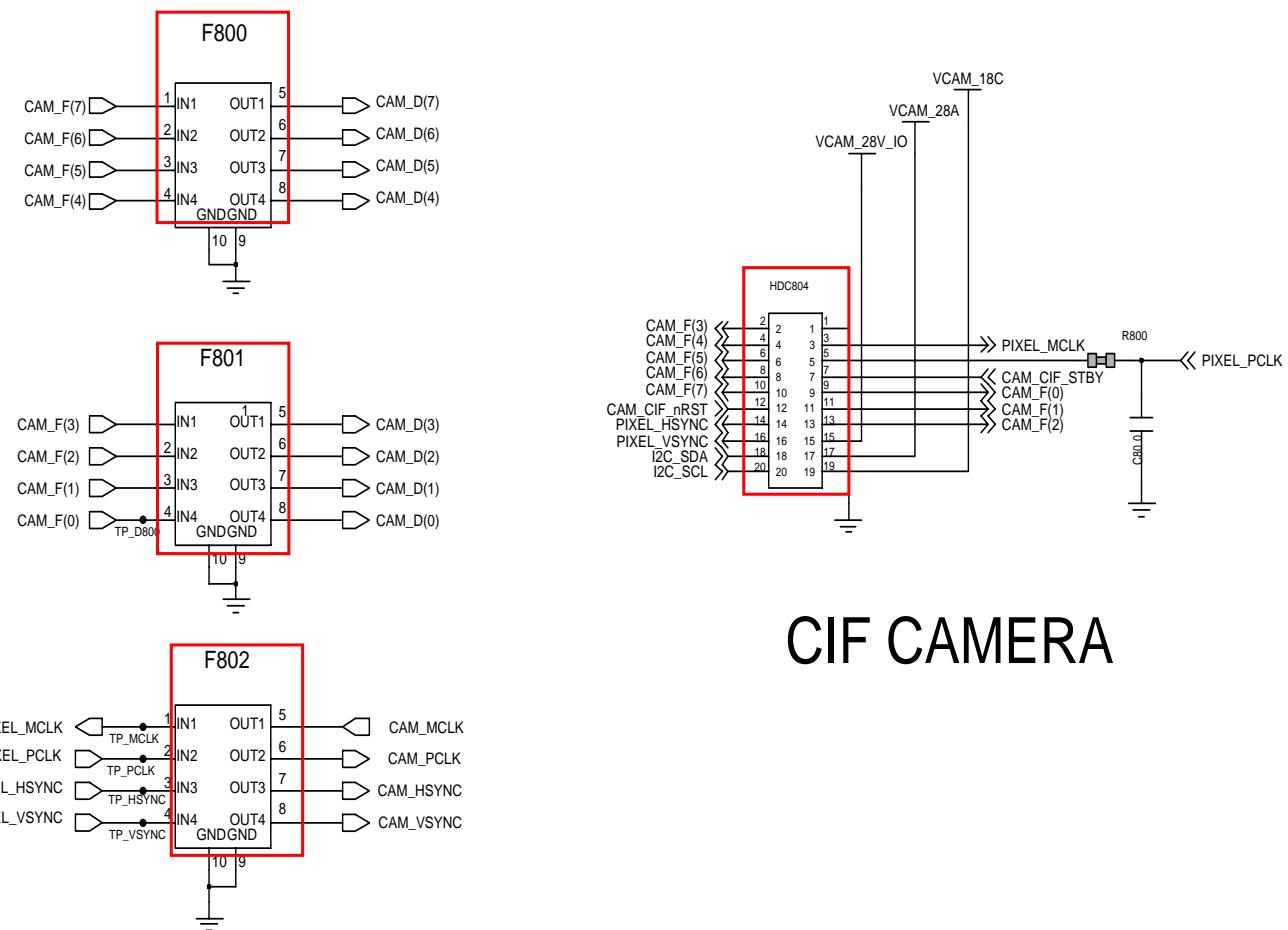
## 3M FF CAMERA



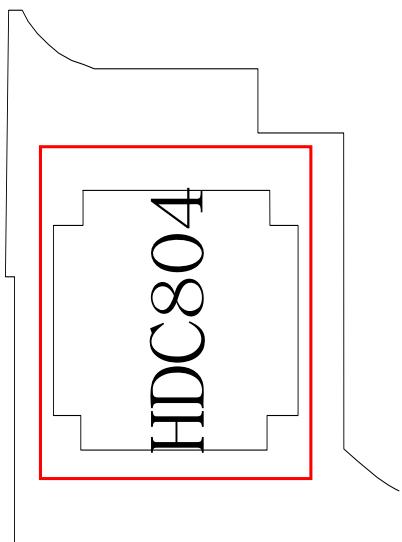
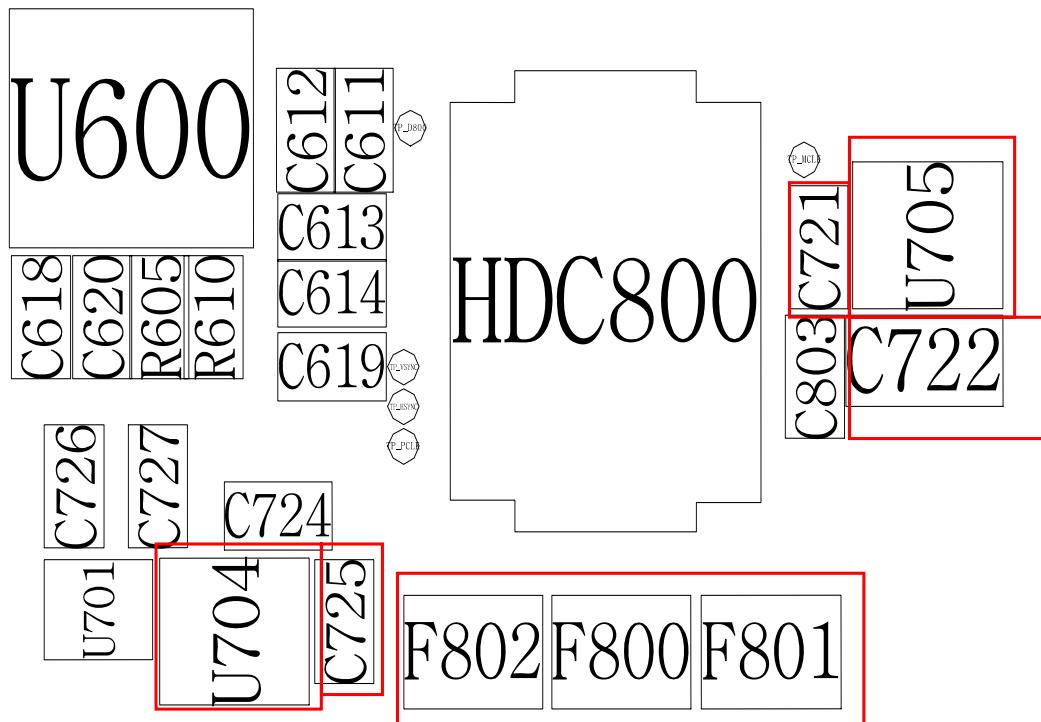
**9-1-9 CIF CAMERA Working**

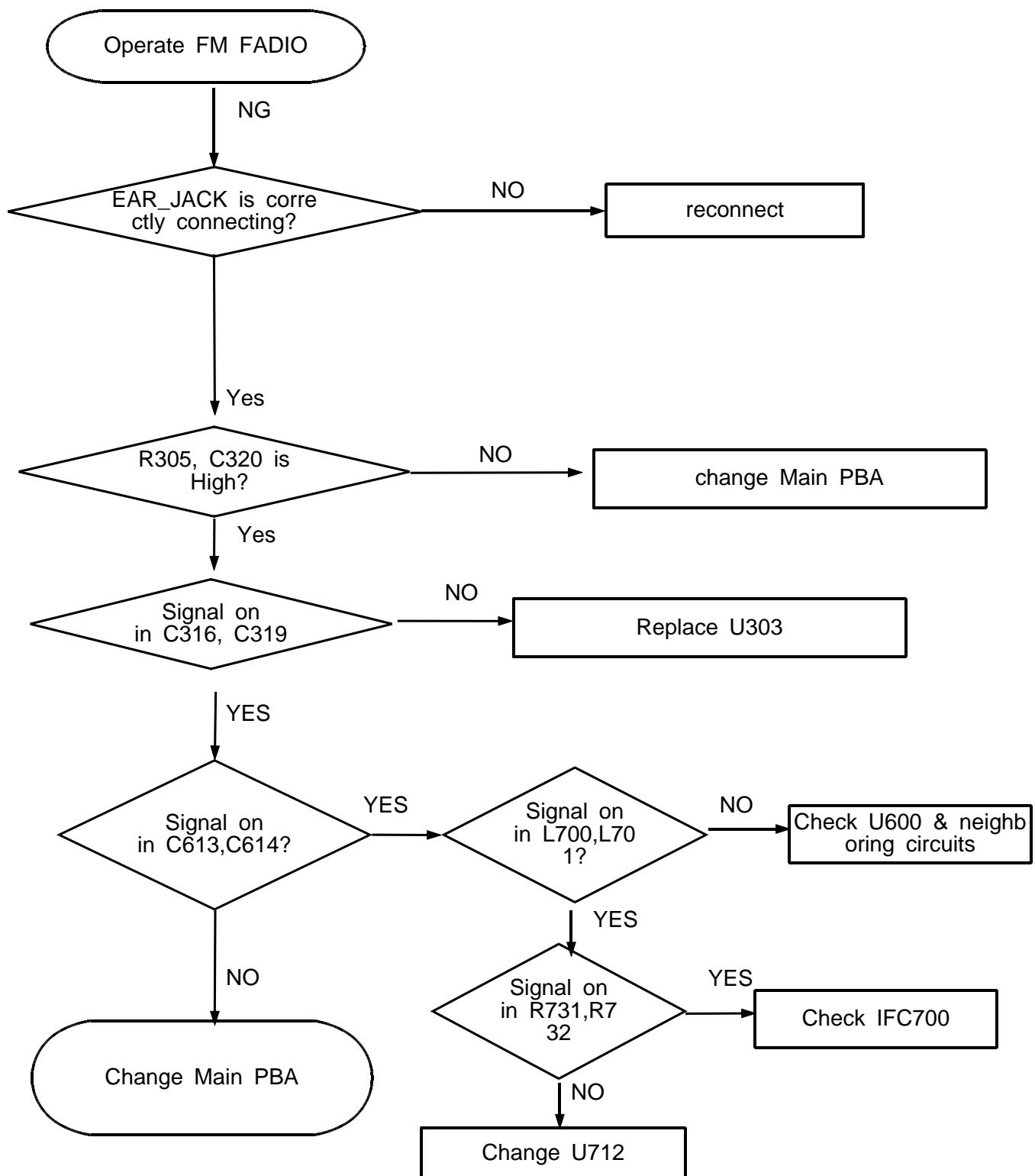


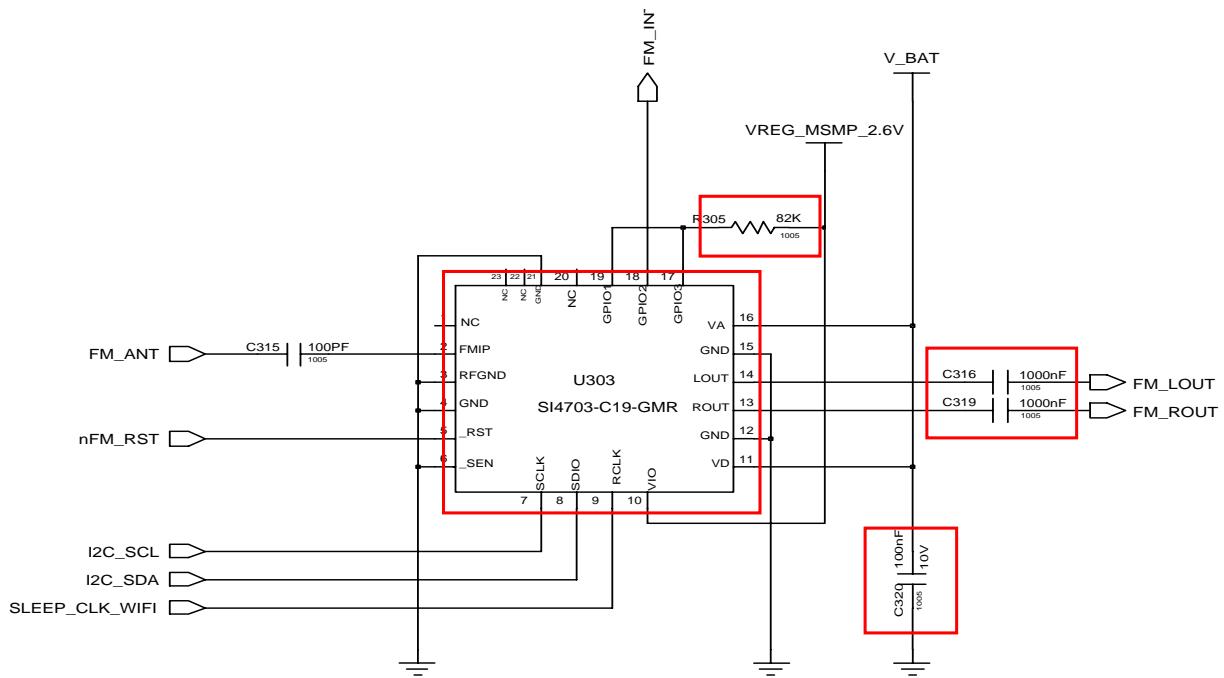
## LDOS



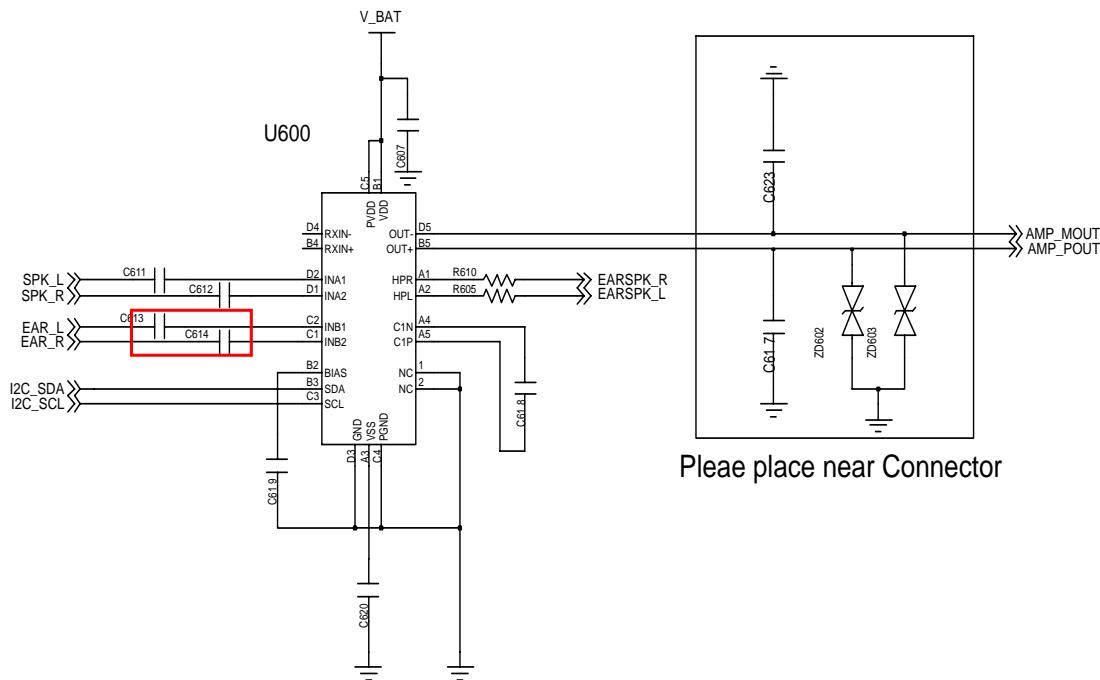
## CIF CAMERA

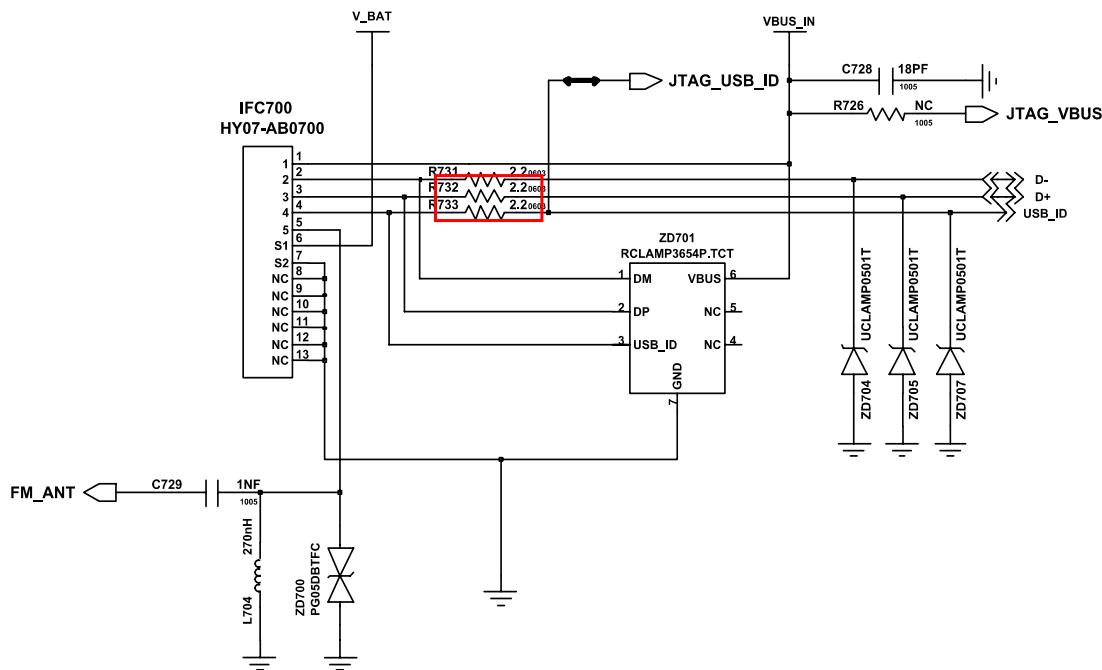
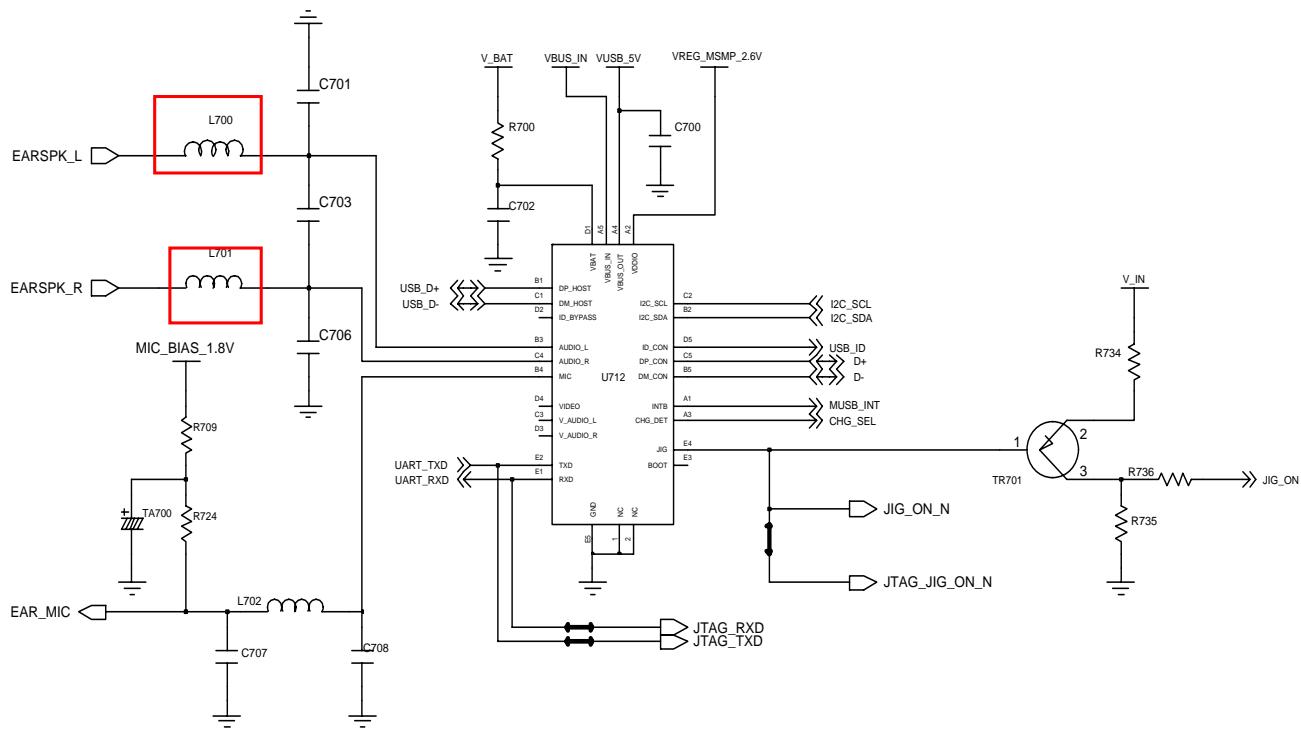


**9-1-10 FM RADIO**



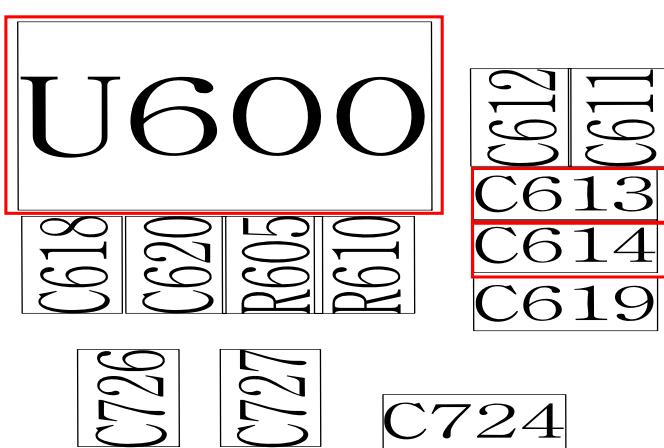
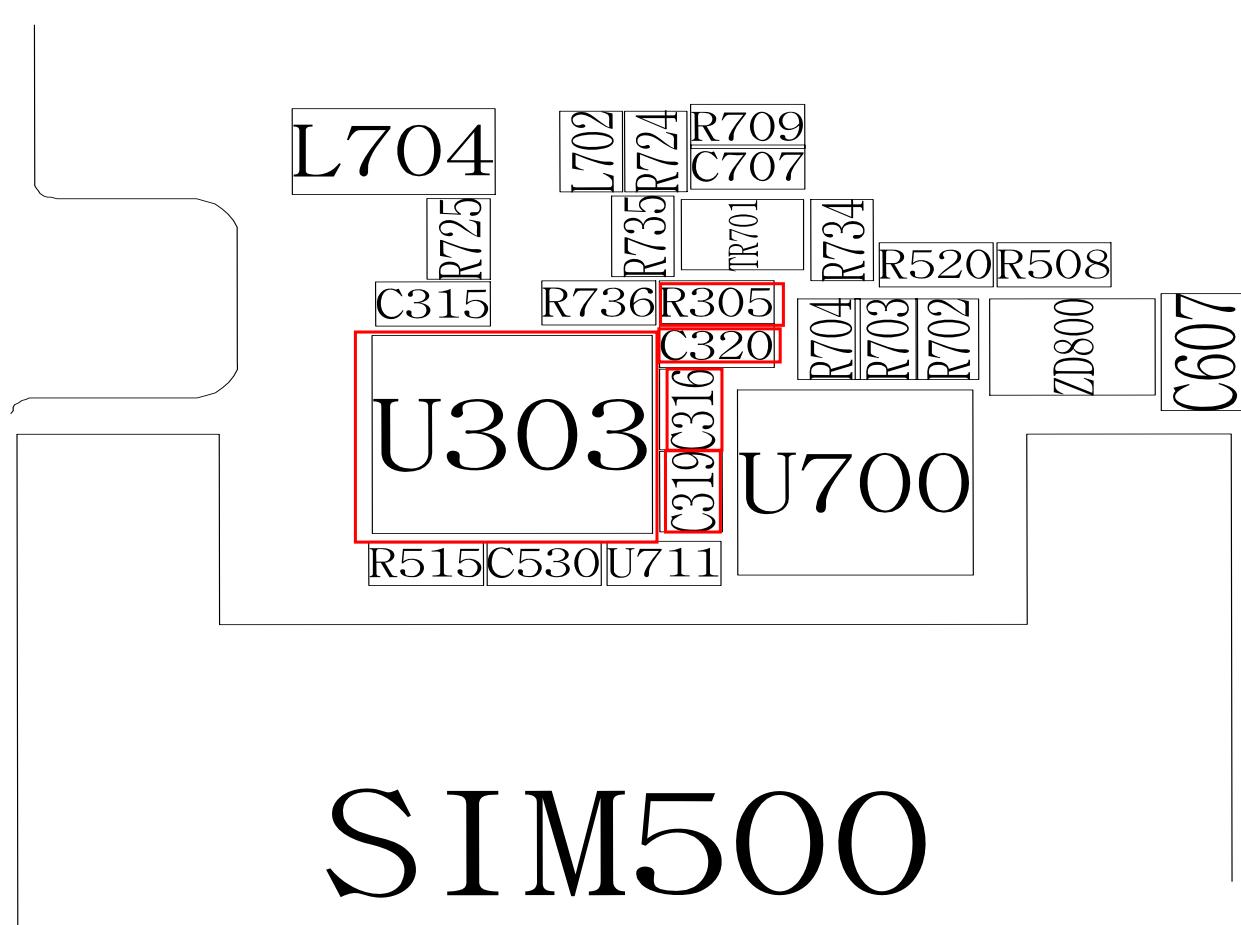
## FM RADIO

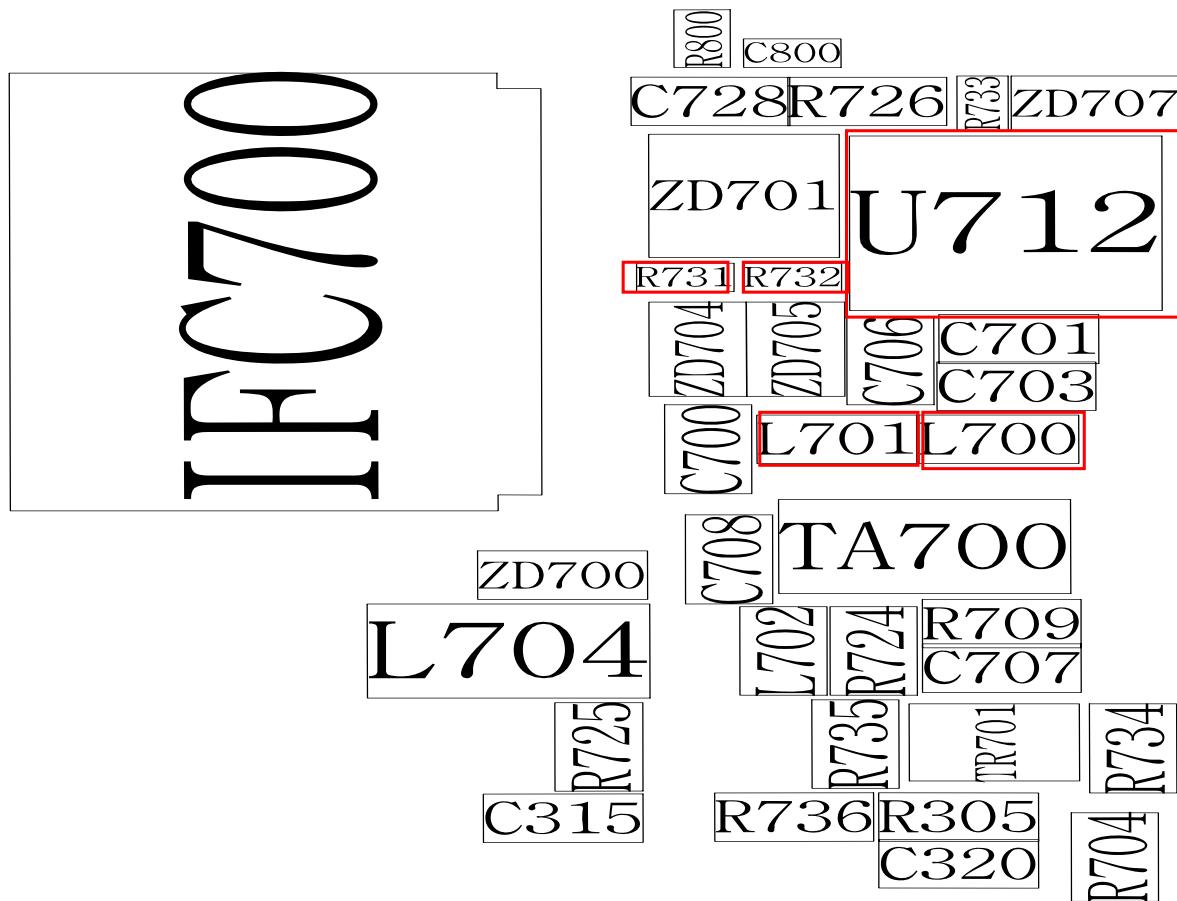




## IF CONNECTOR (u-USB)

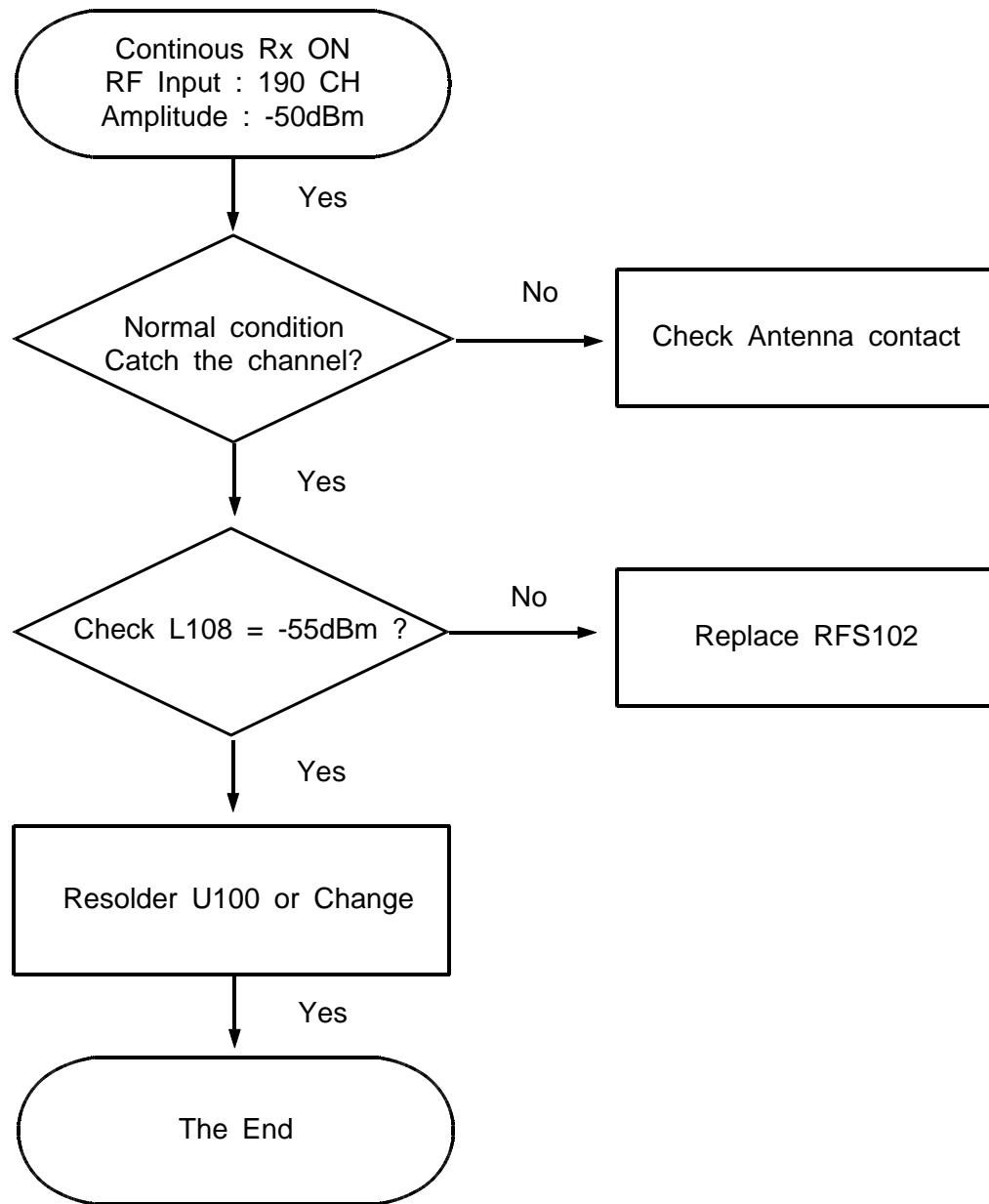
9-34



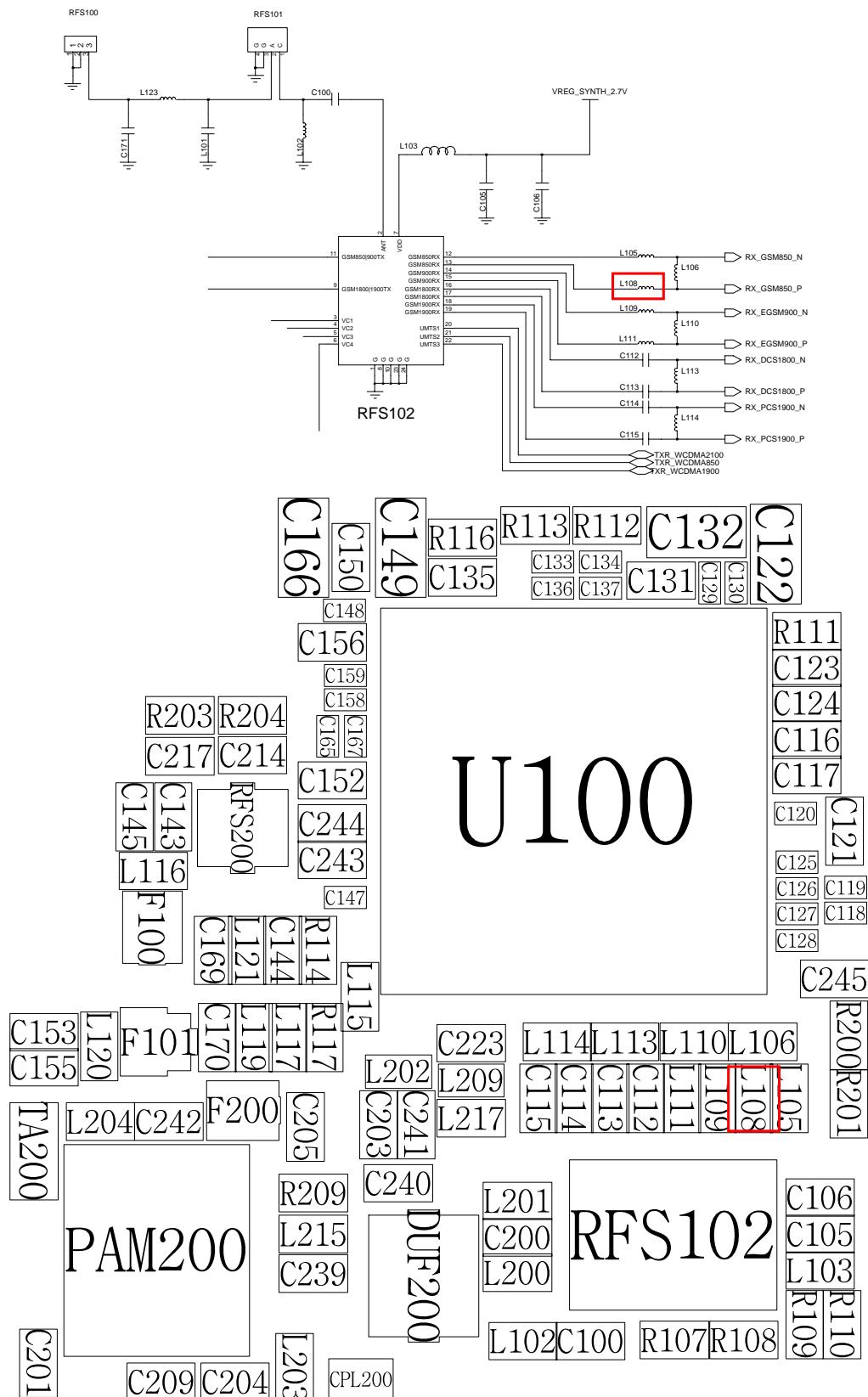


**9-2.RF****9-2-1. GSM 850 Receiver**

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

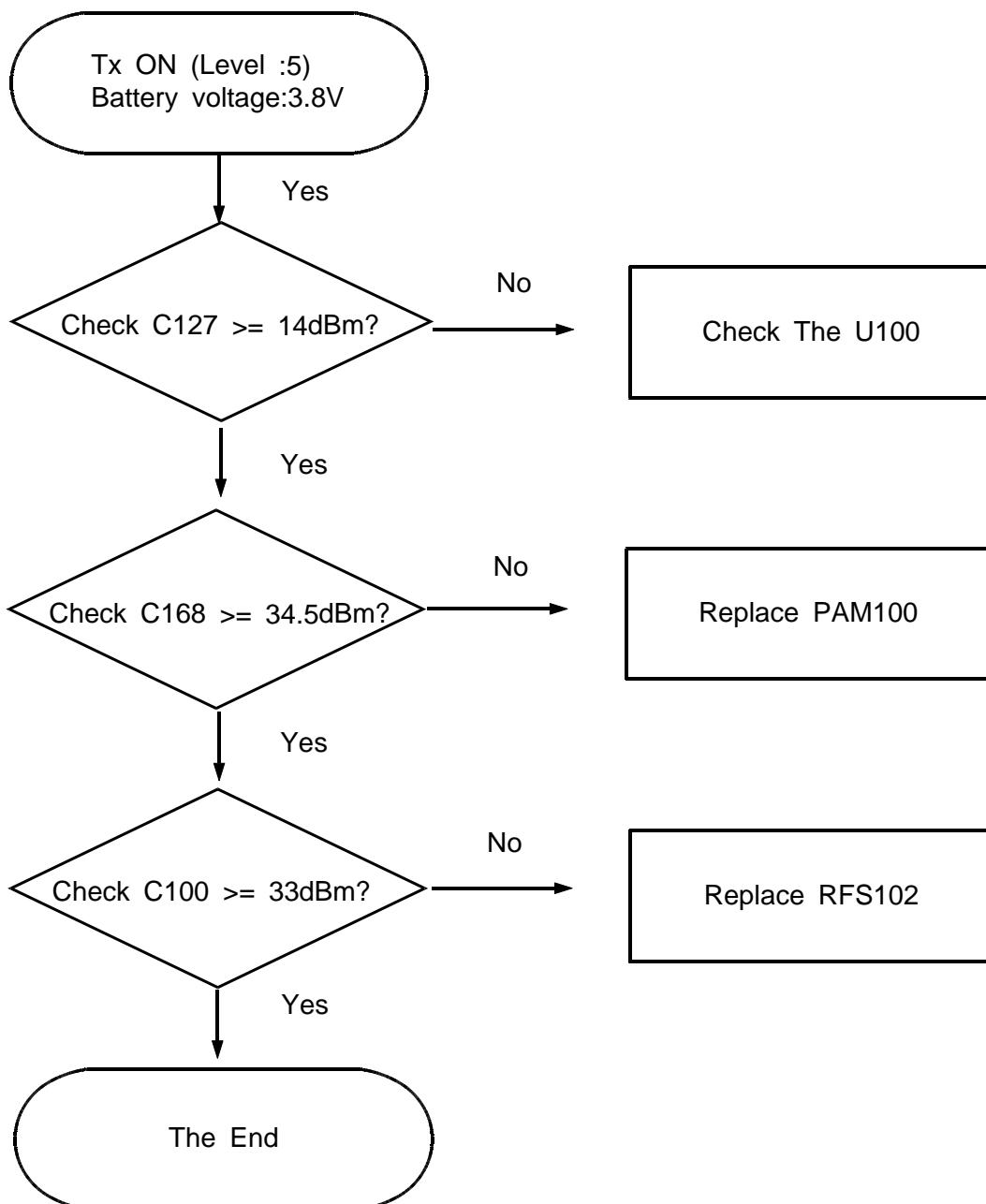


## Flow Chart of Troubleshooting



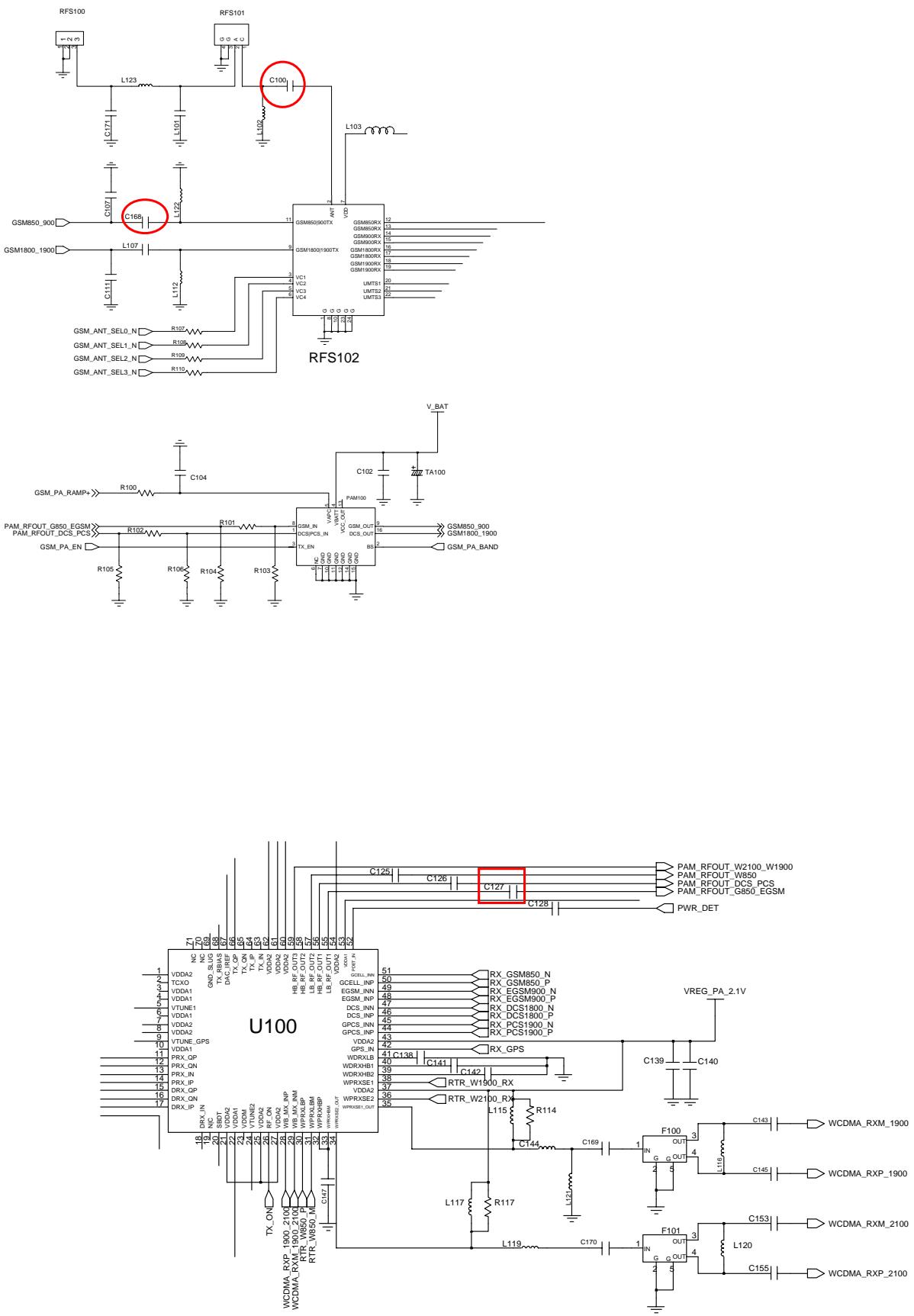
## 9-2-2. GSM 850 Transmitter

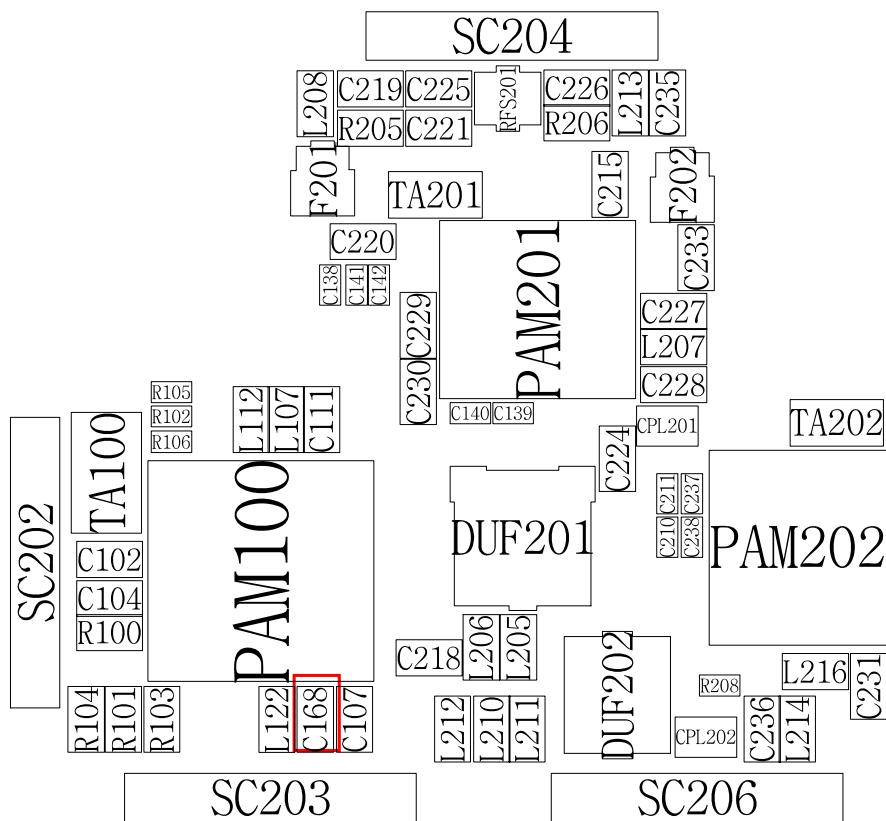
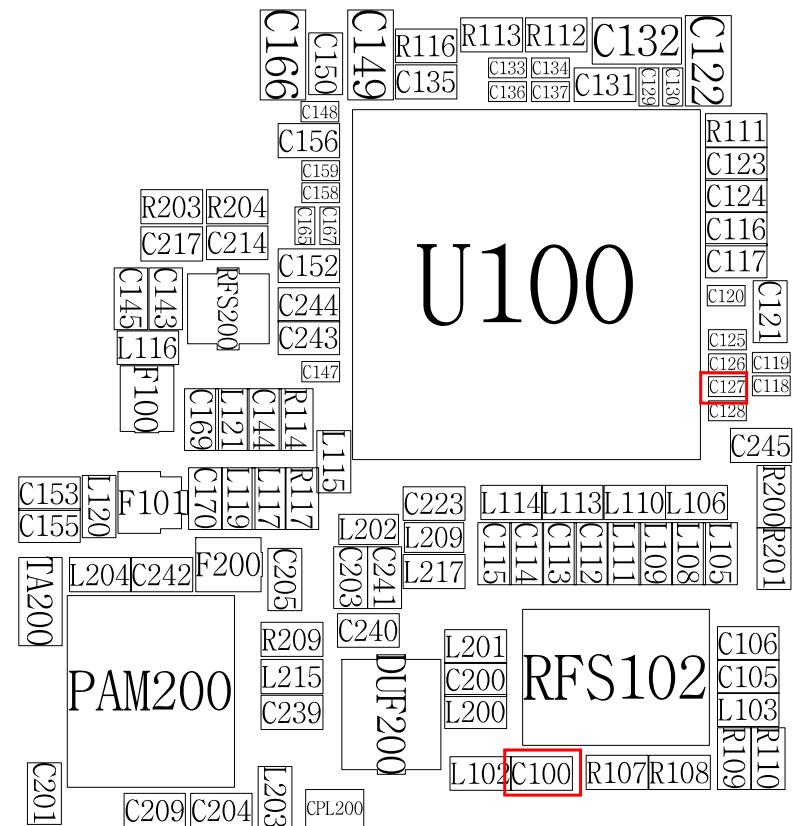
\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.



## Flow Chart of Troubleshooting

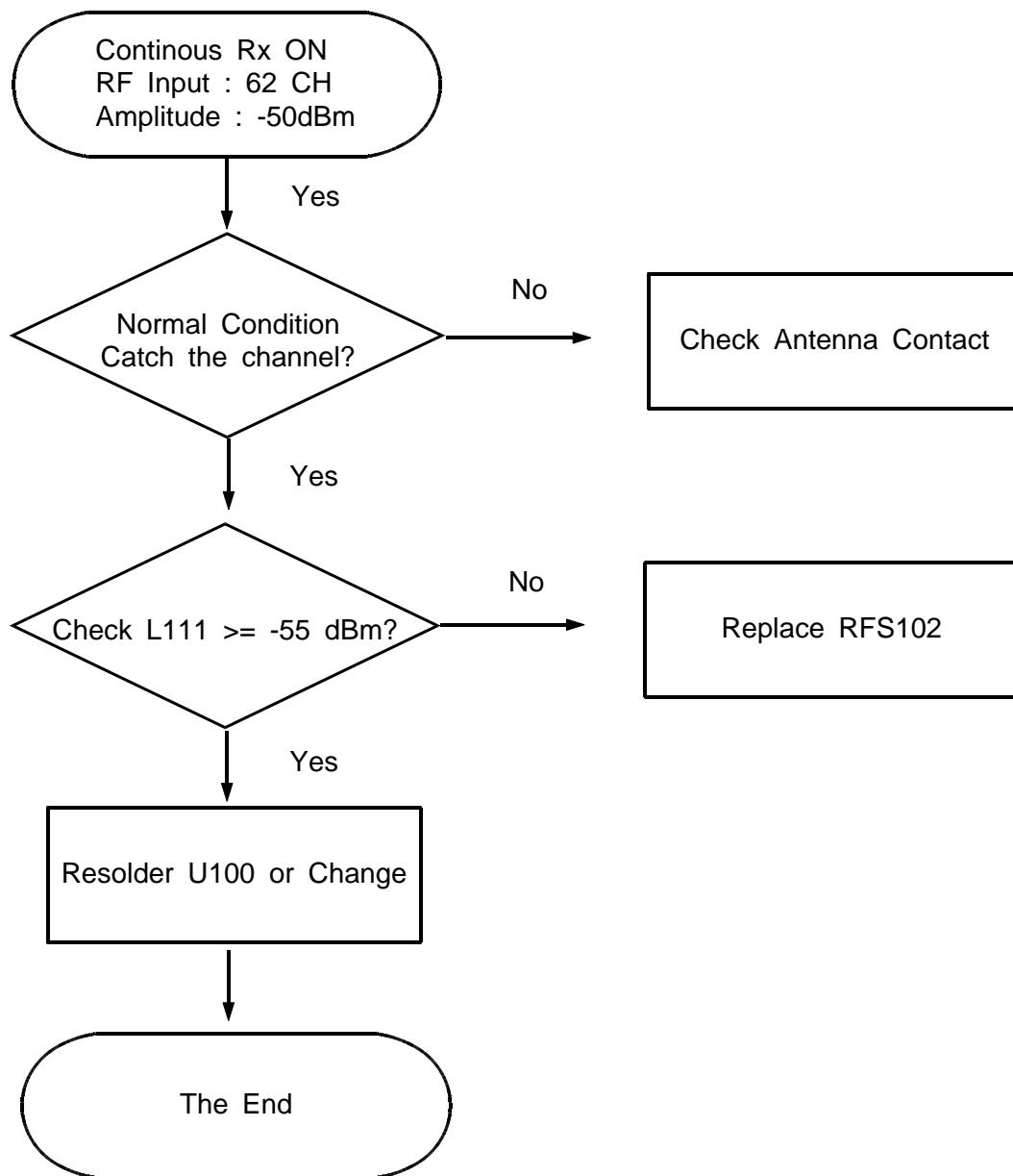
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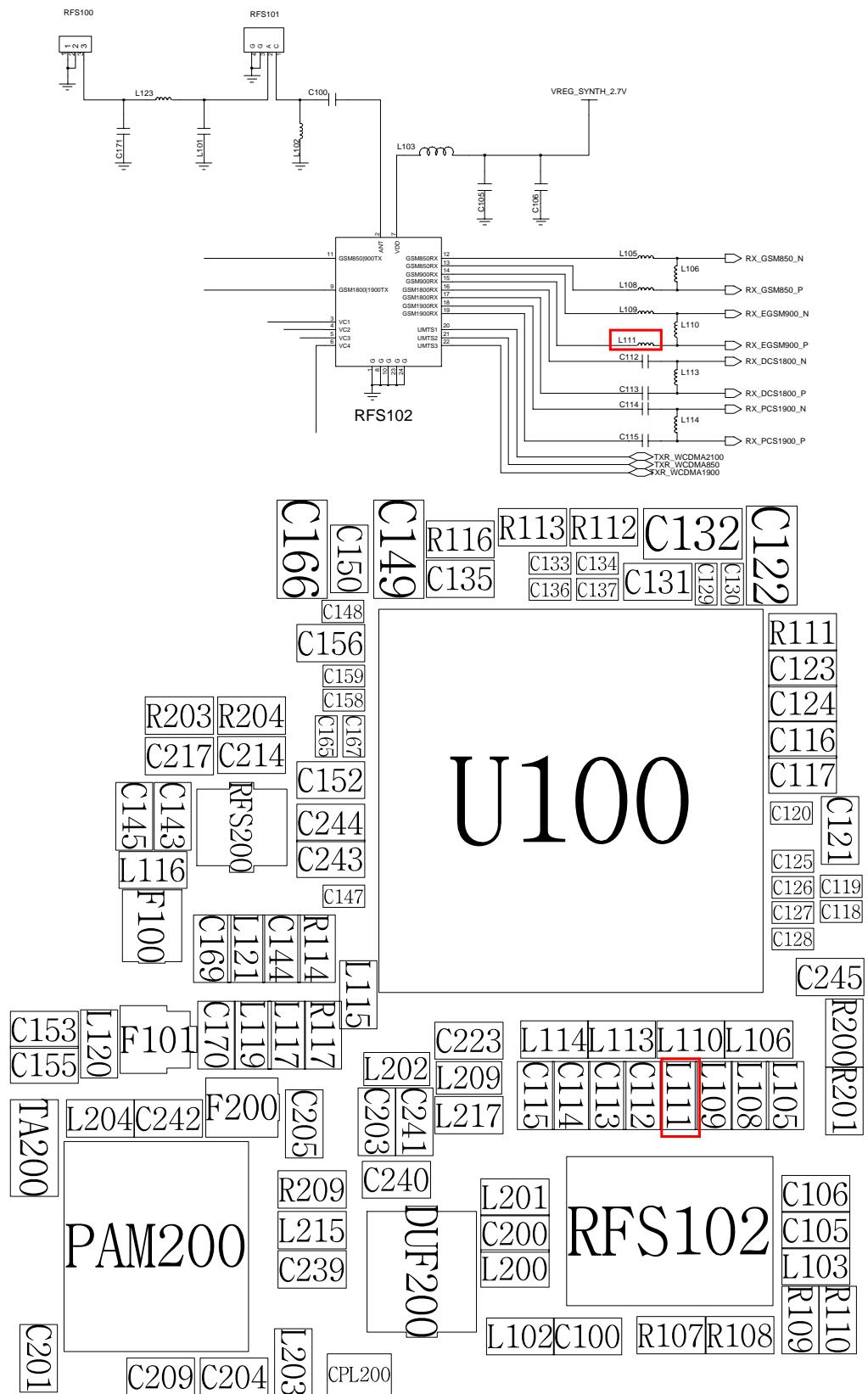




### 9-2-3. GSM 900 Receiver

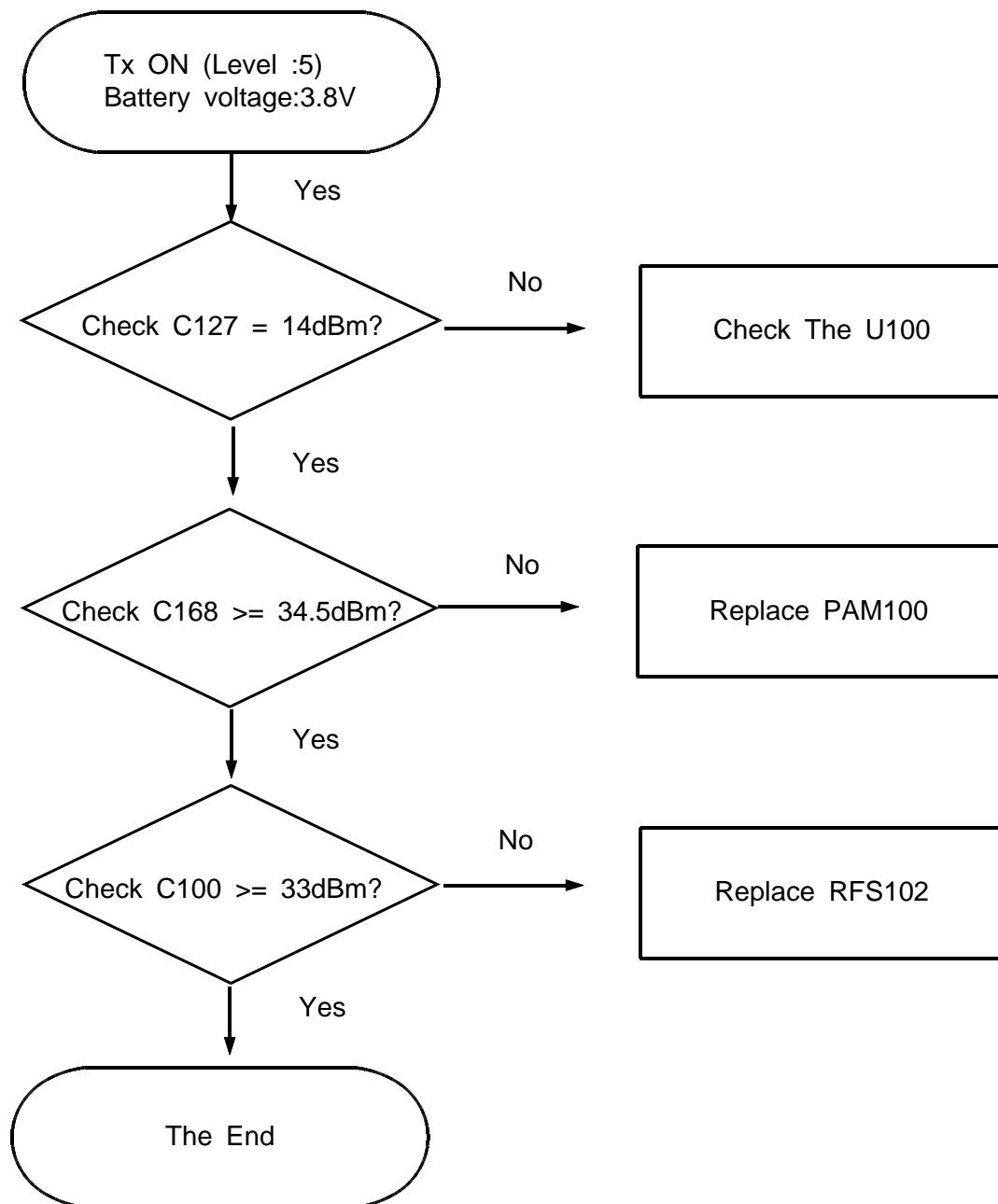
\*\*\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

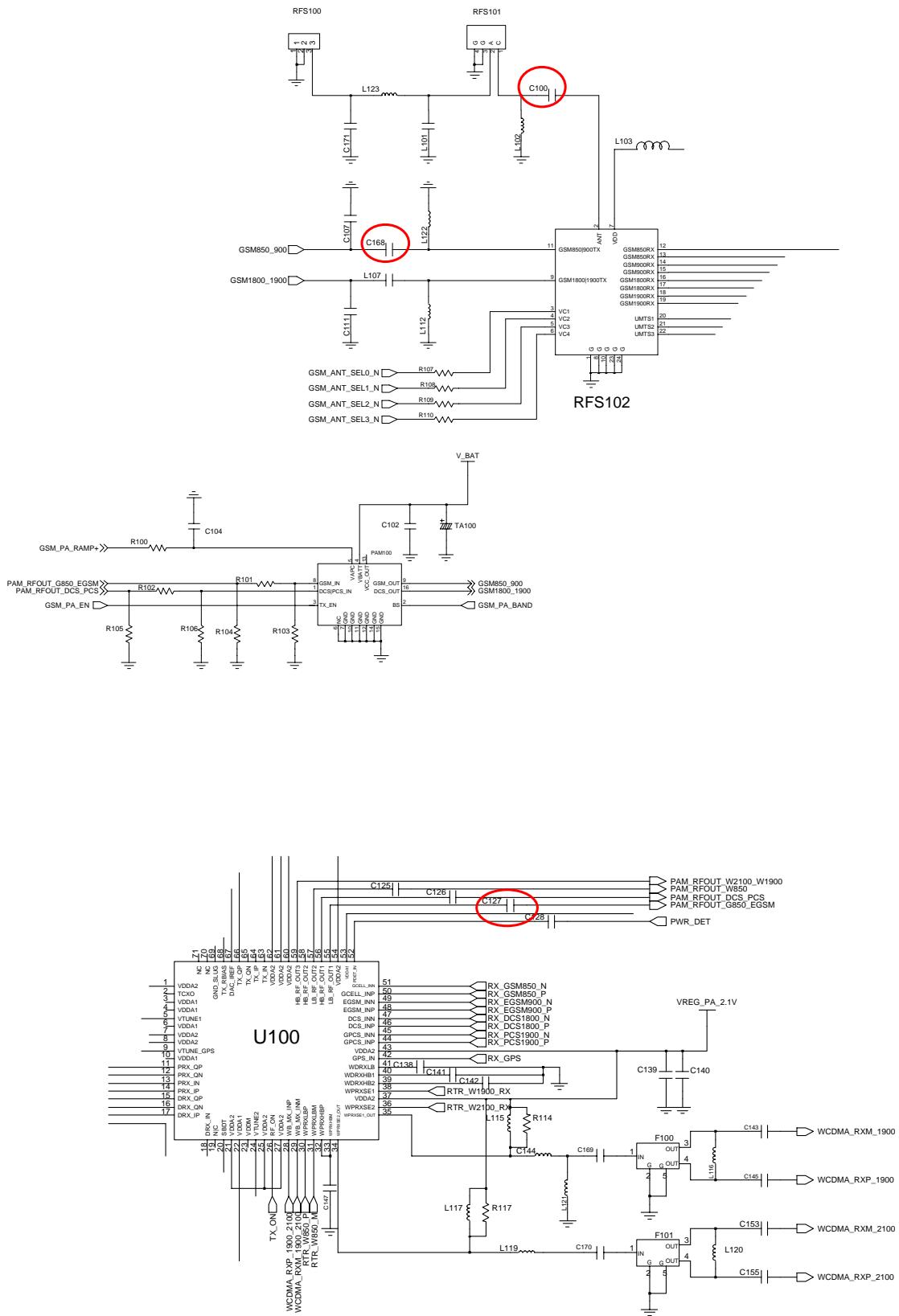


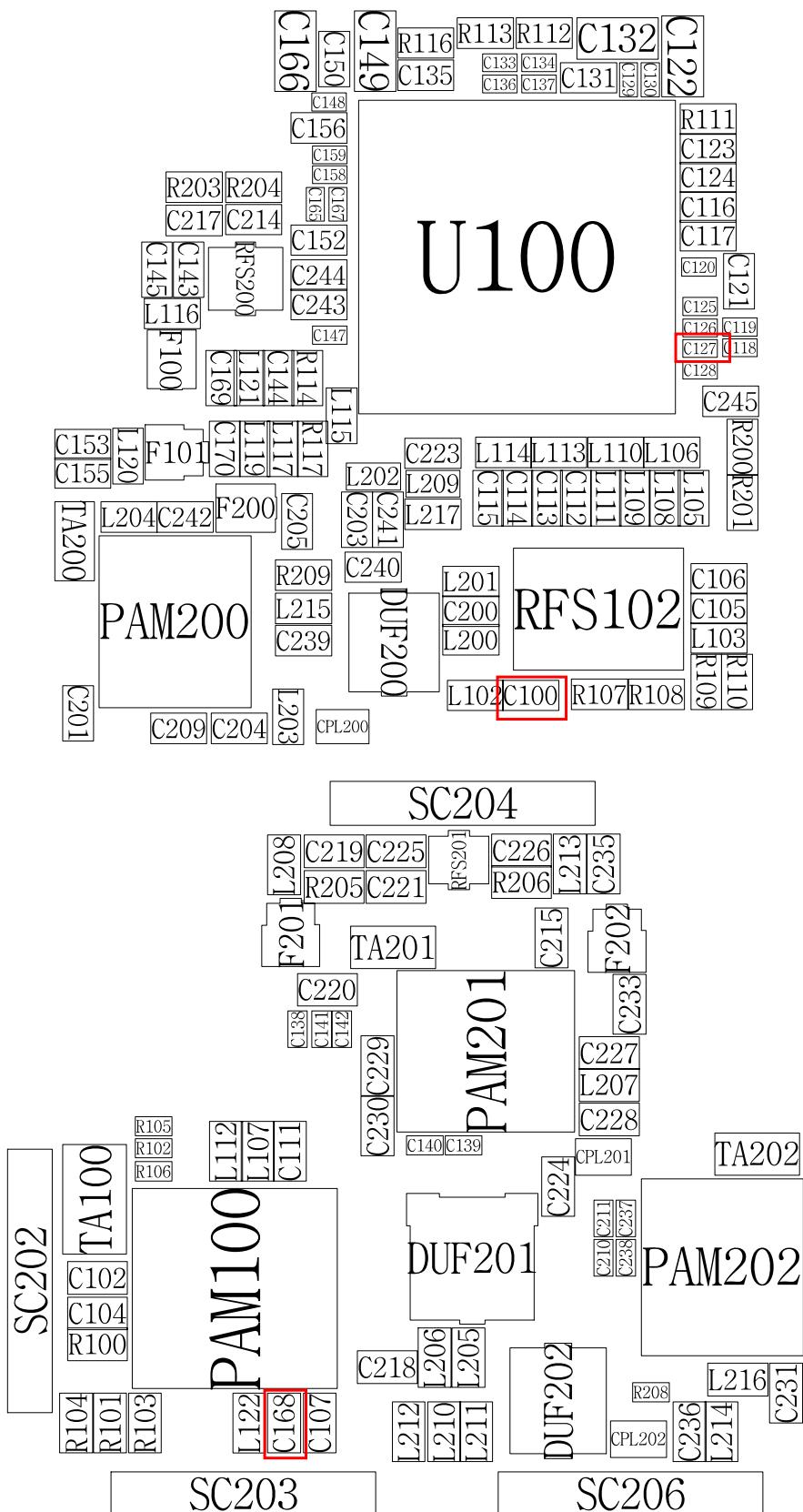


#### 9-2-4. GSM900 Transmitter

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

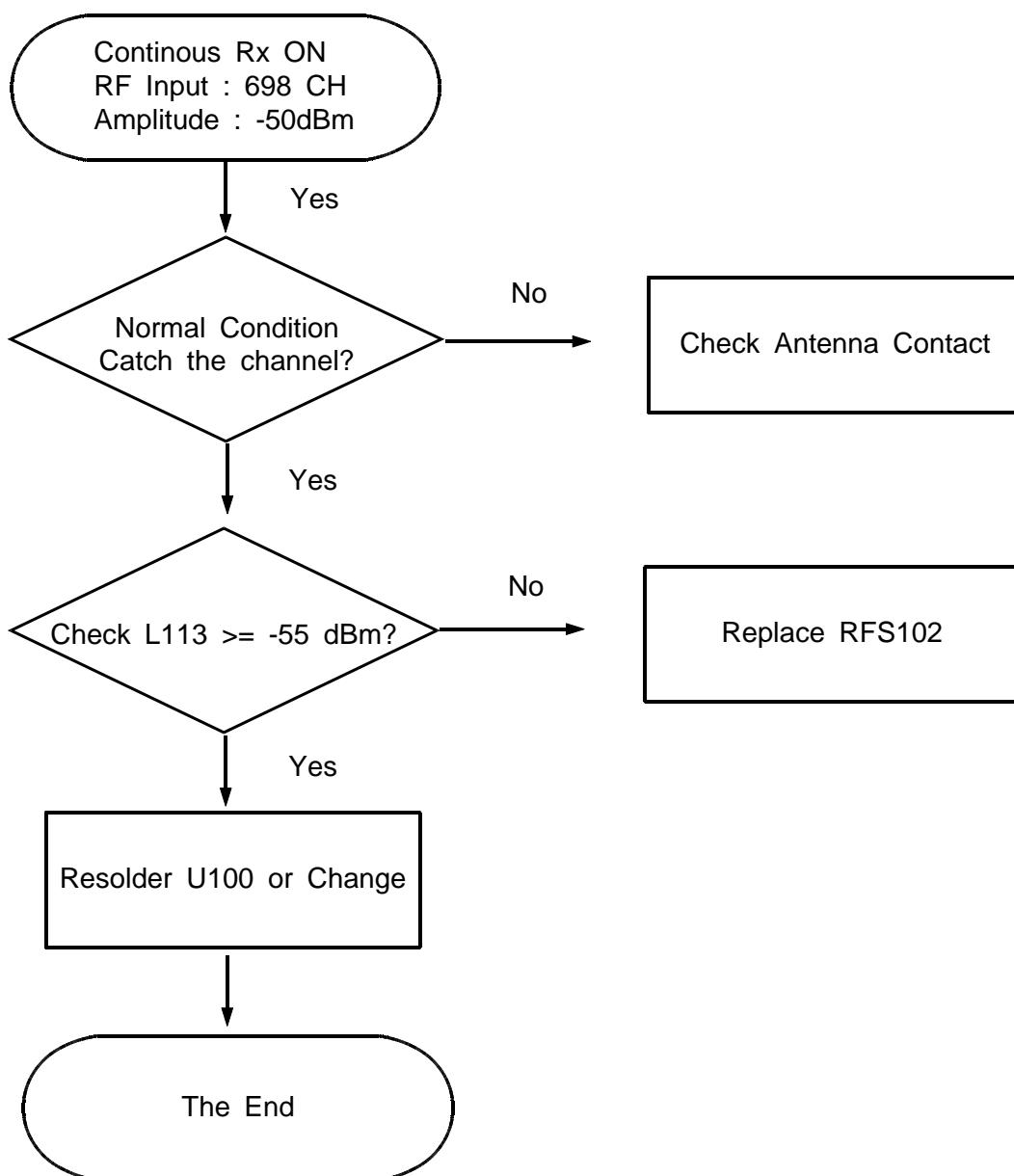




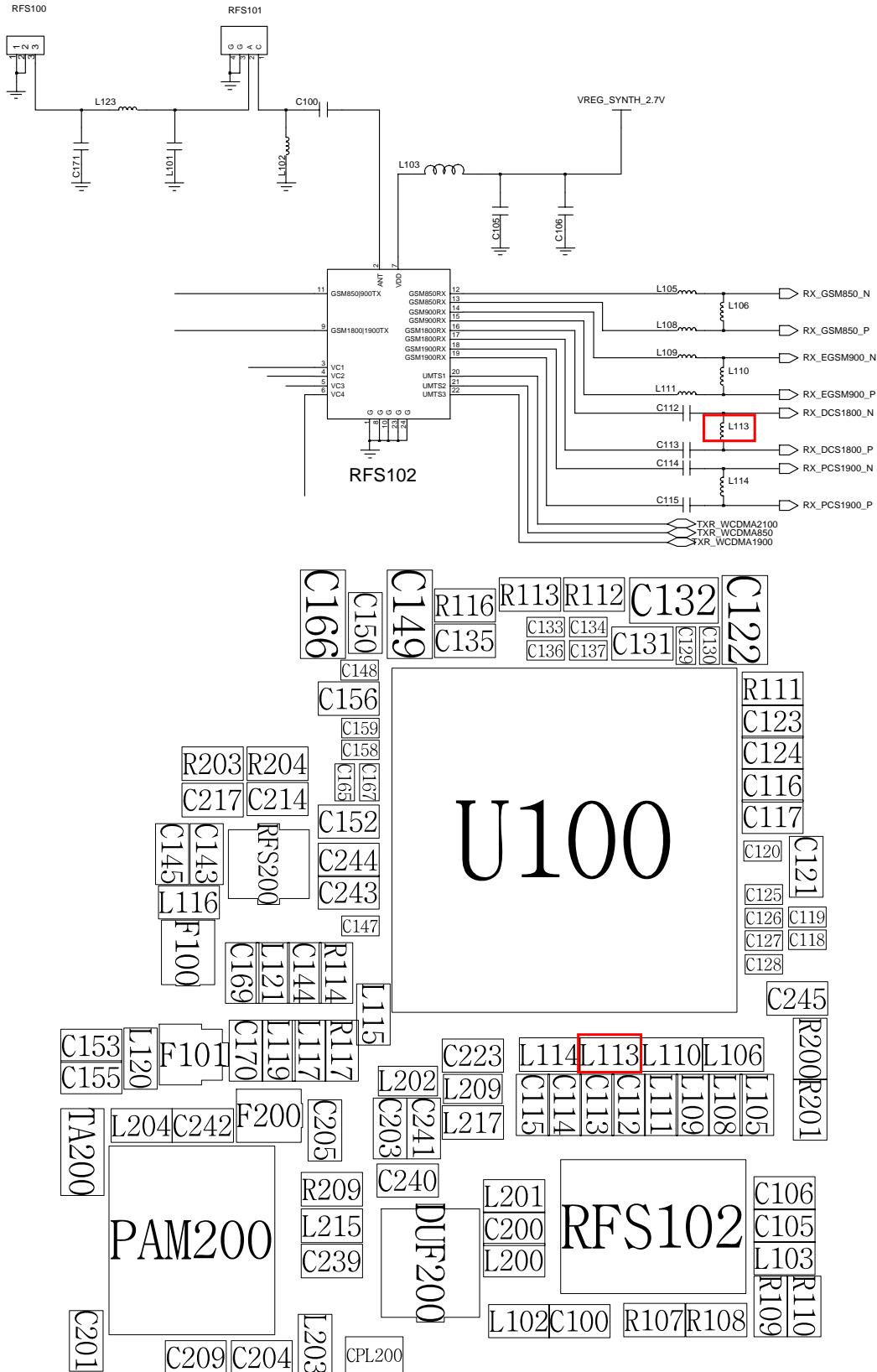


### 9-2-5. DCS1800 Receiver

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

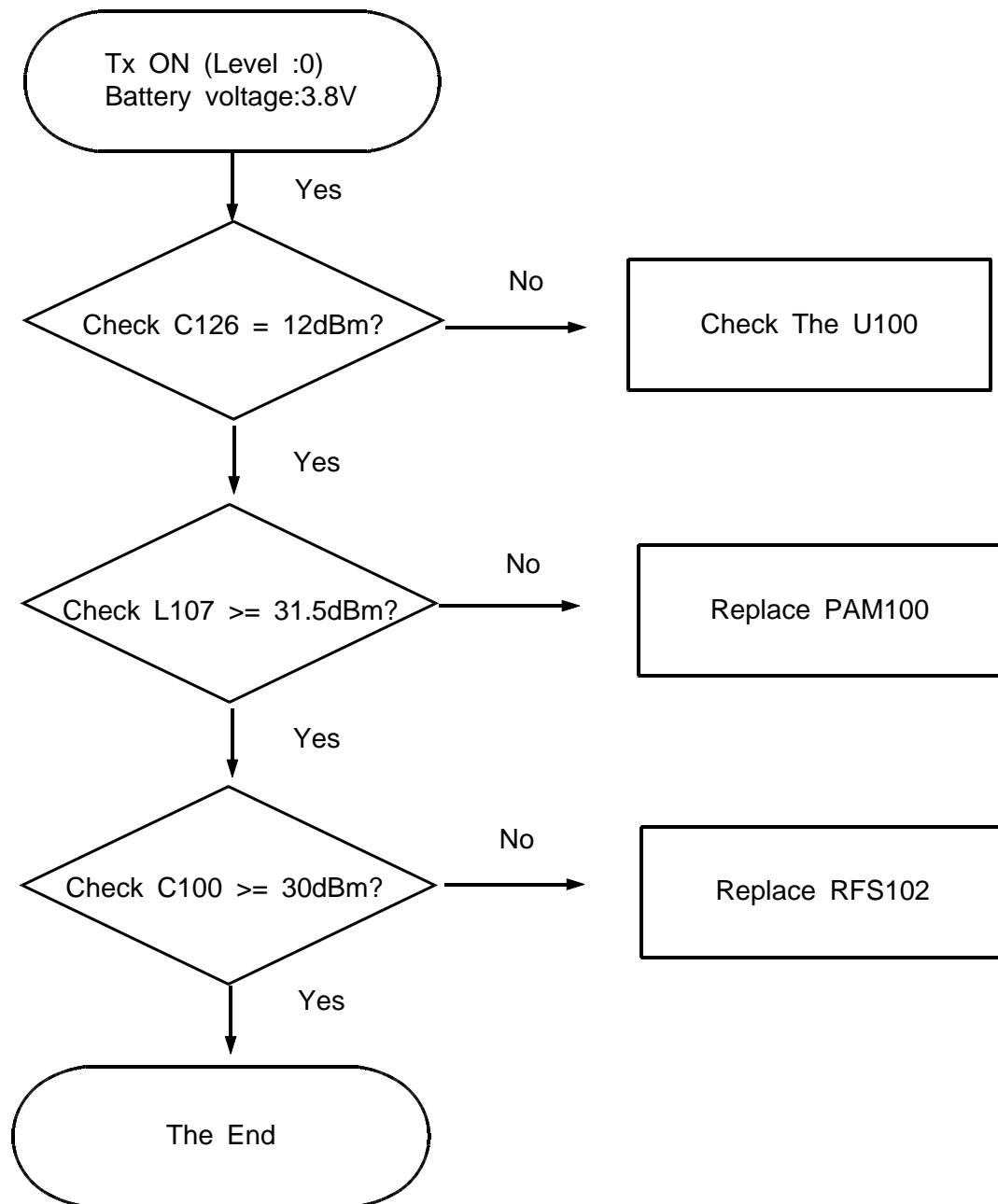


## Flow Chart of Troubleshooting

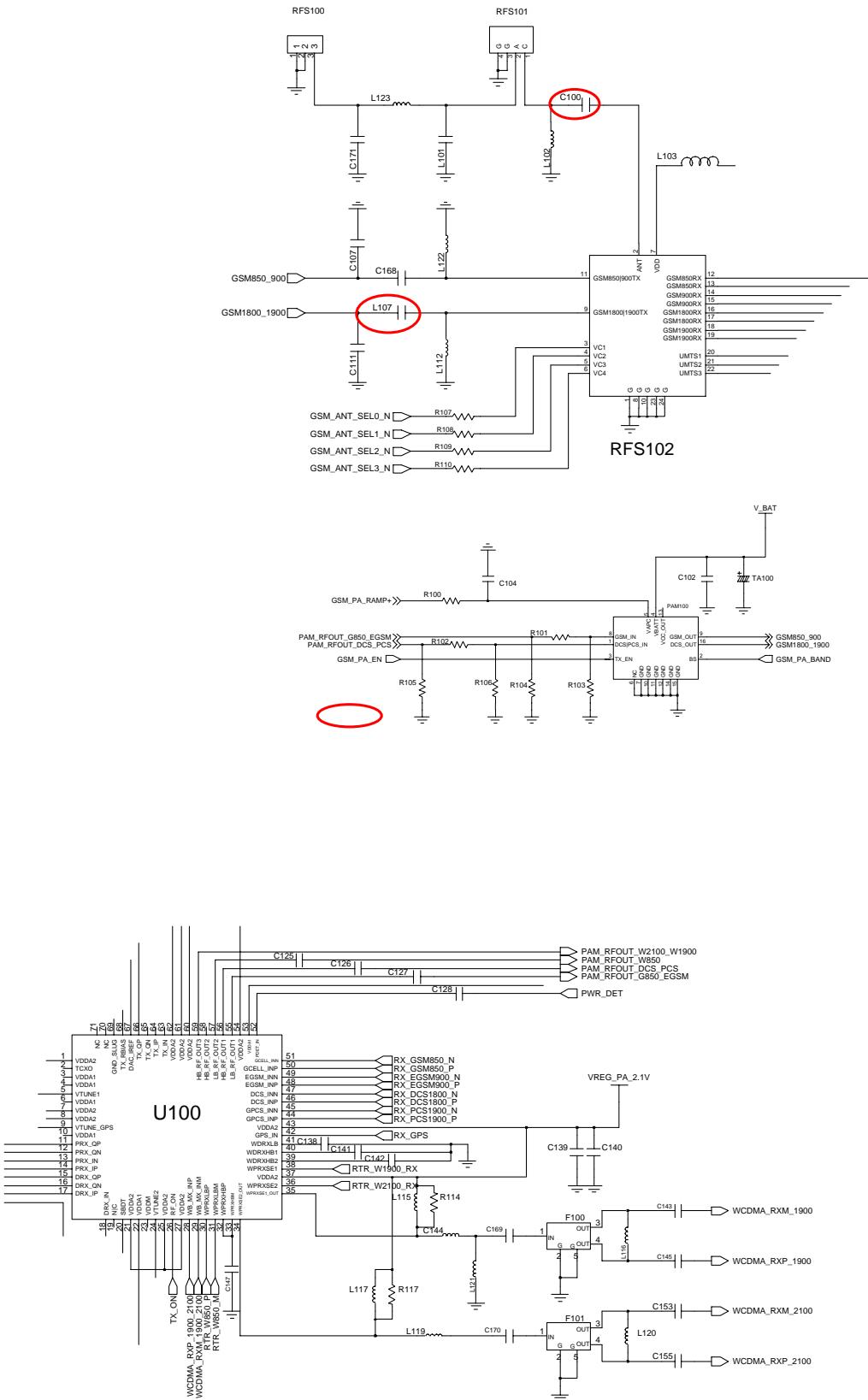


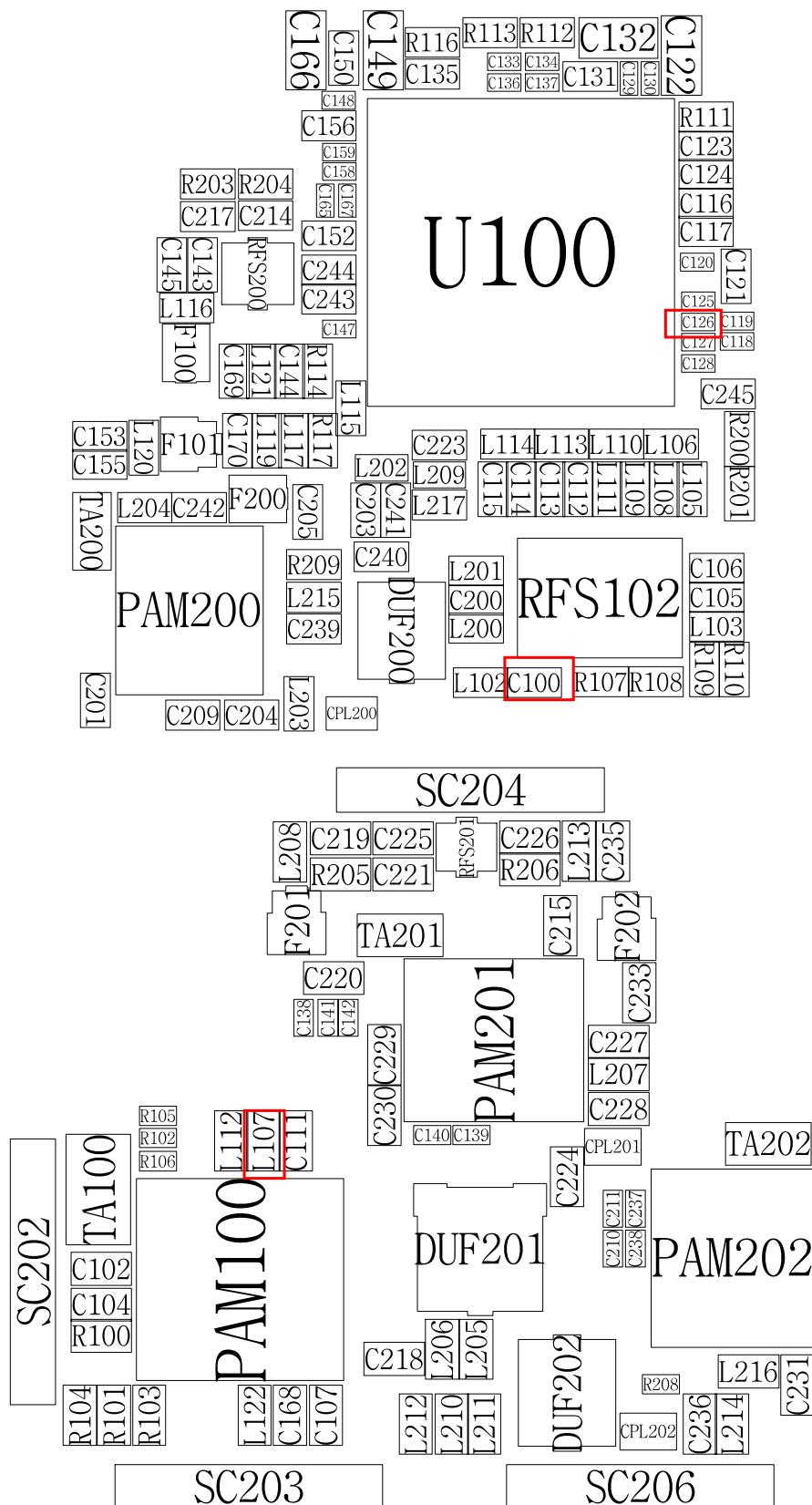
### 9-2-6. DCS1800 Transmitter

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.



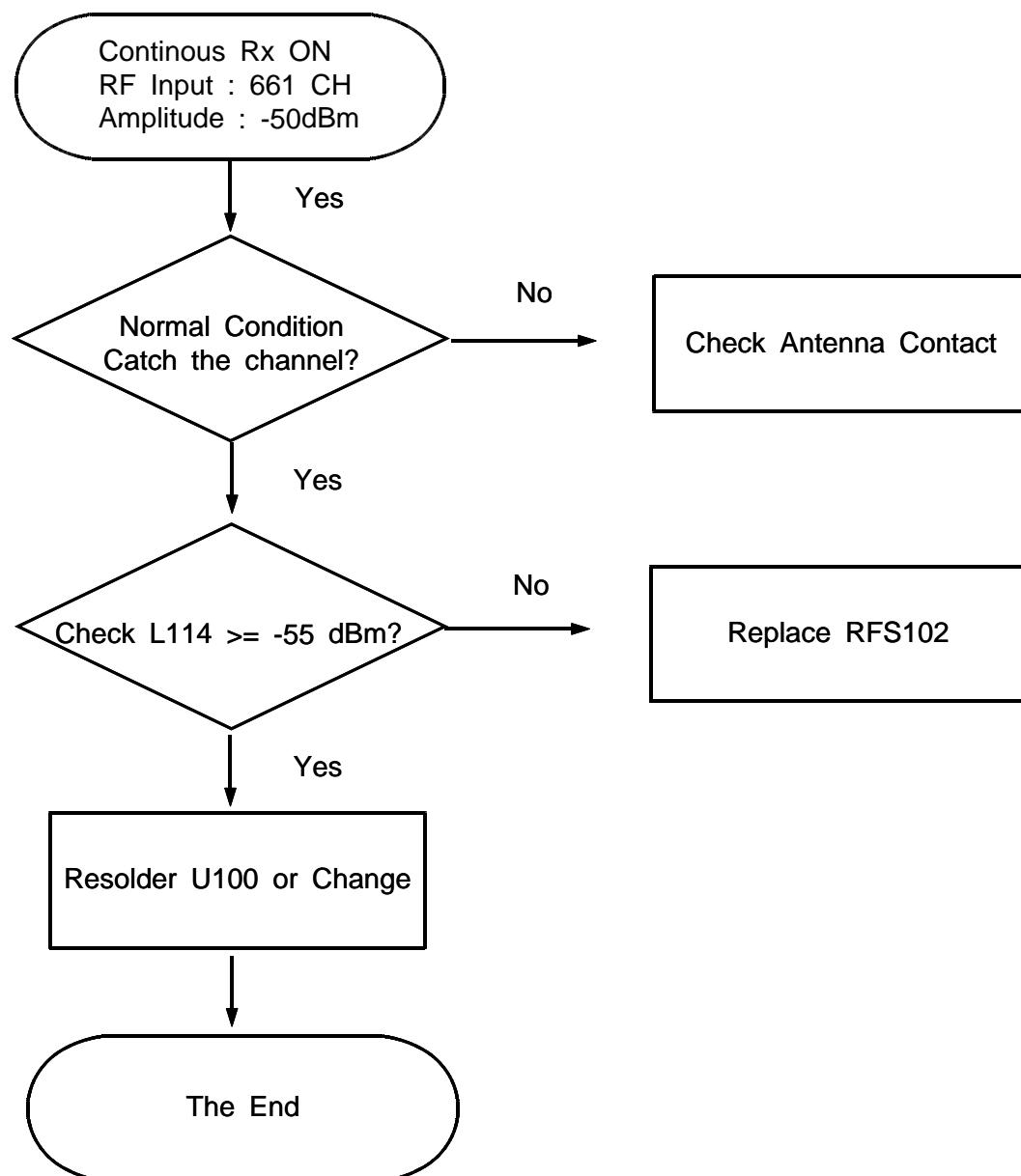
## Flow Chart of Troubleshooting

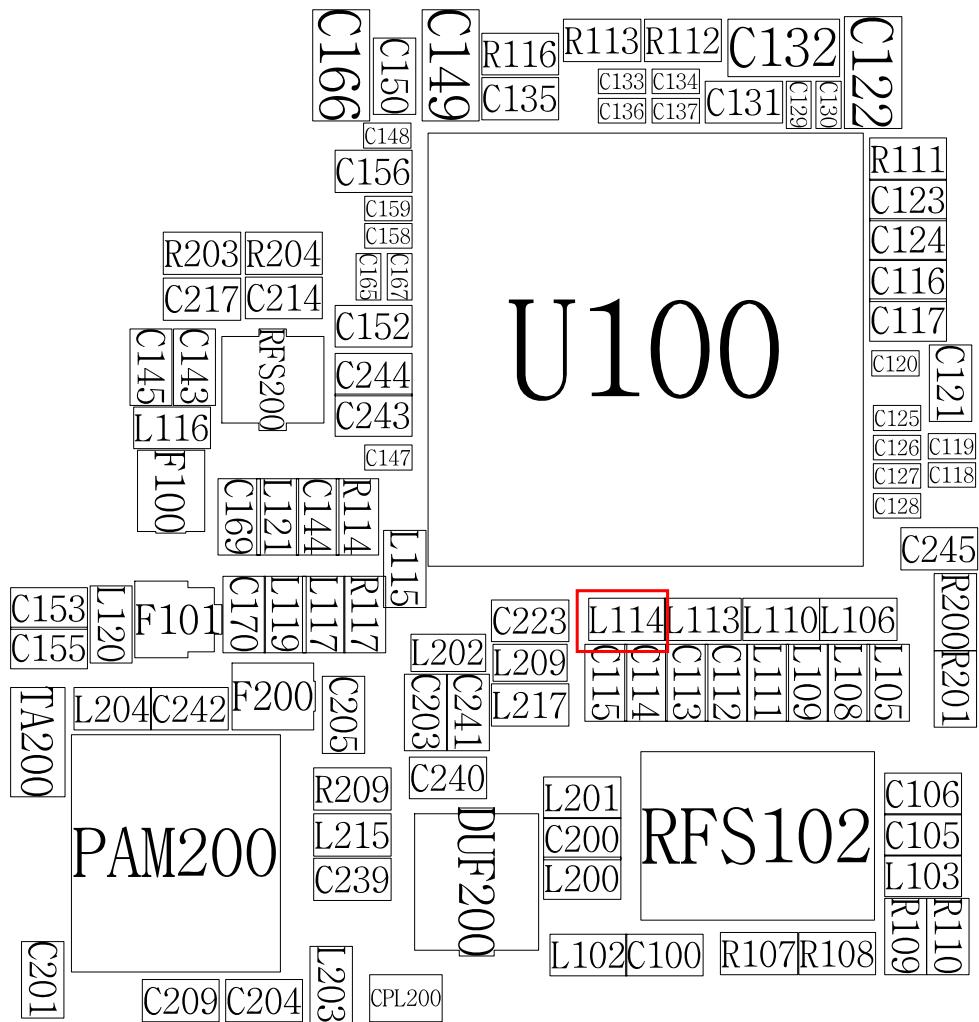
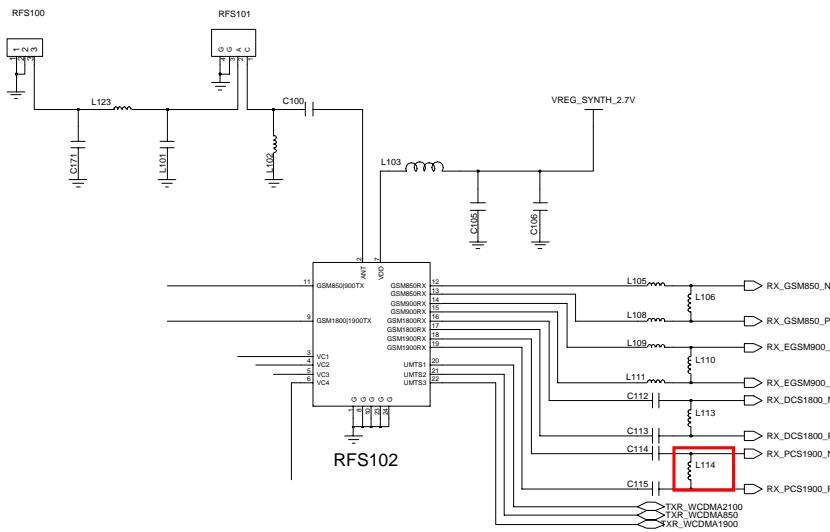




### 9-2-7. PCS1900 Receiver

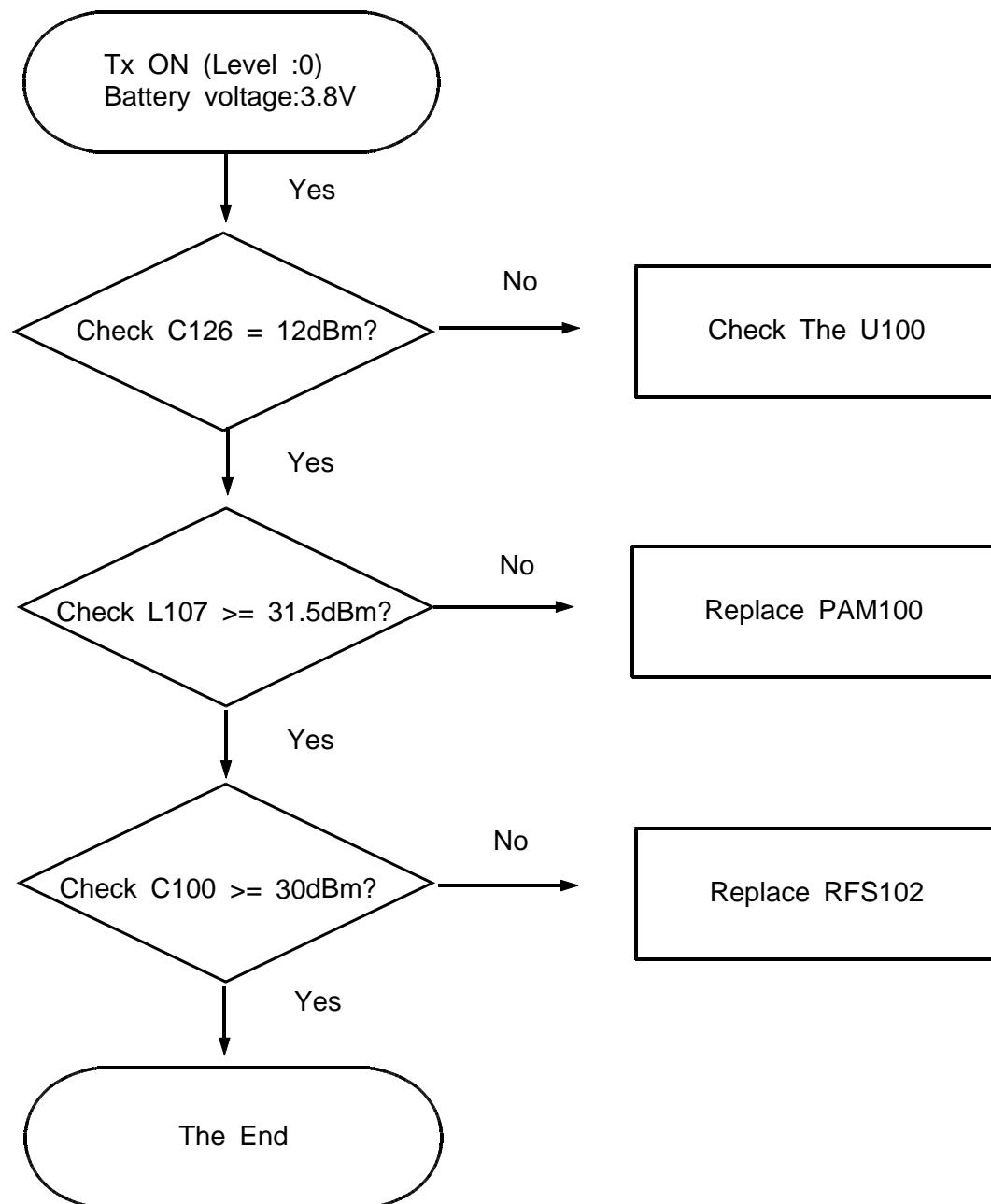
\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

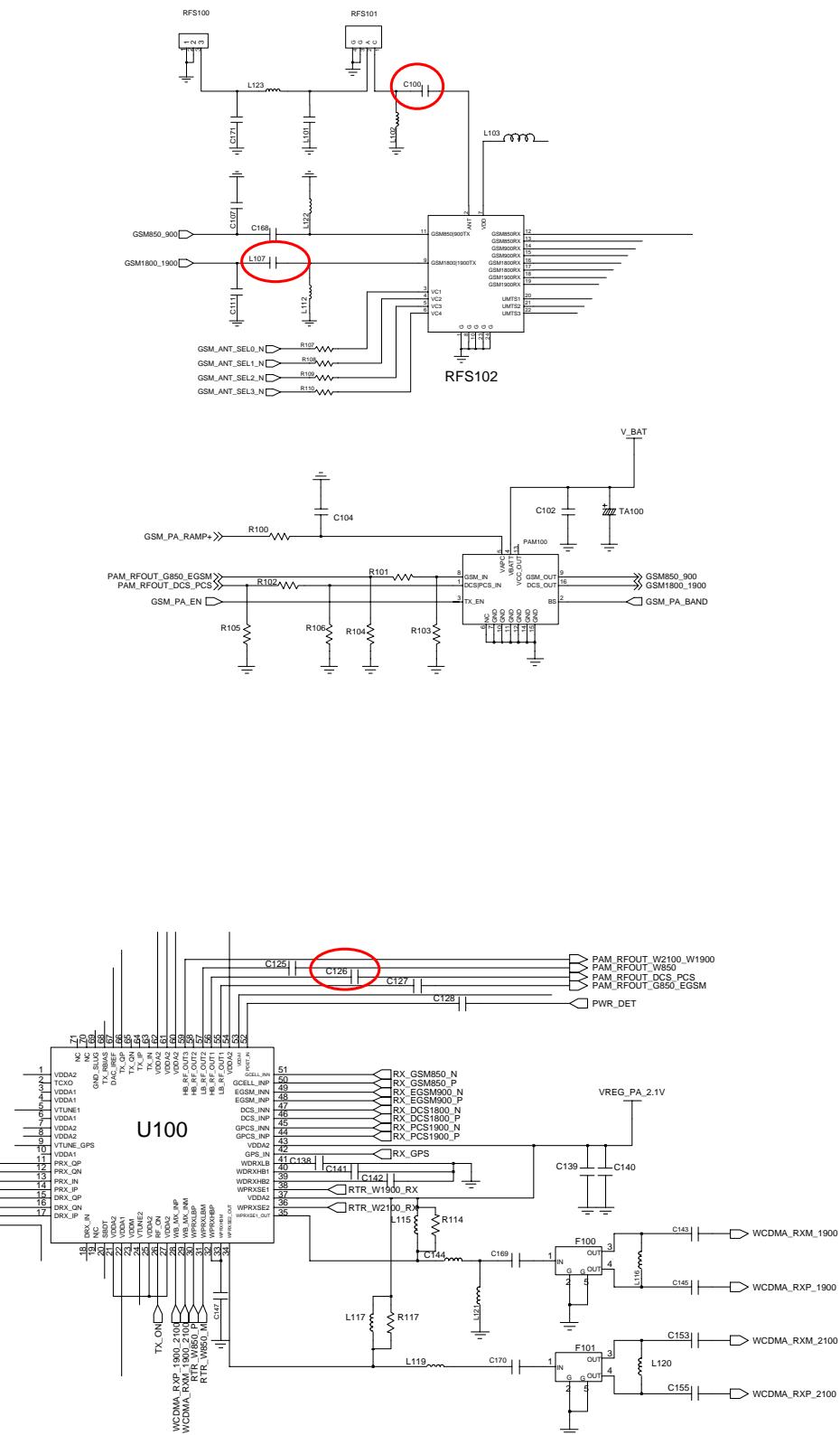


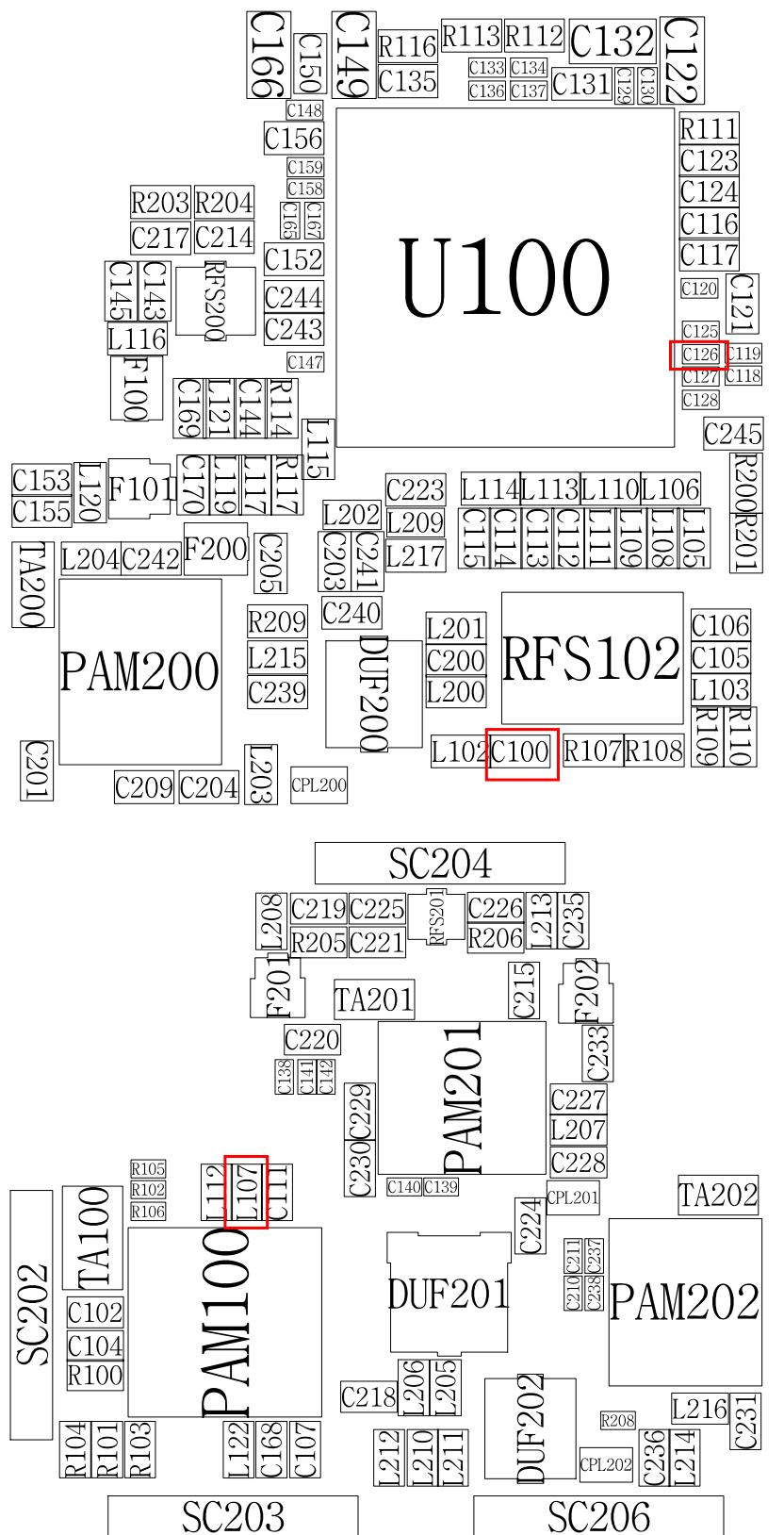


### 9-2-8. PCS1900 Transmitter

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

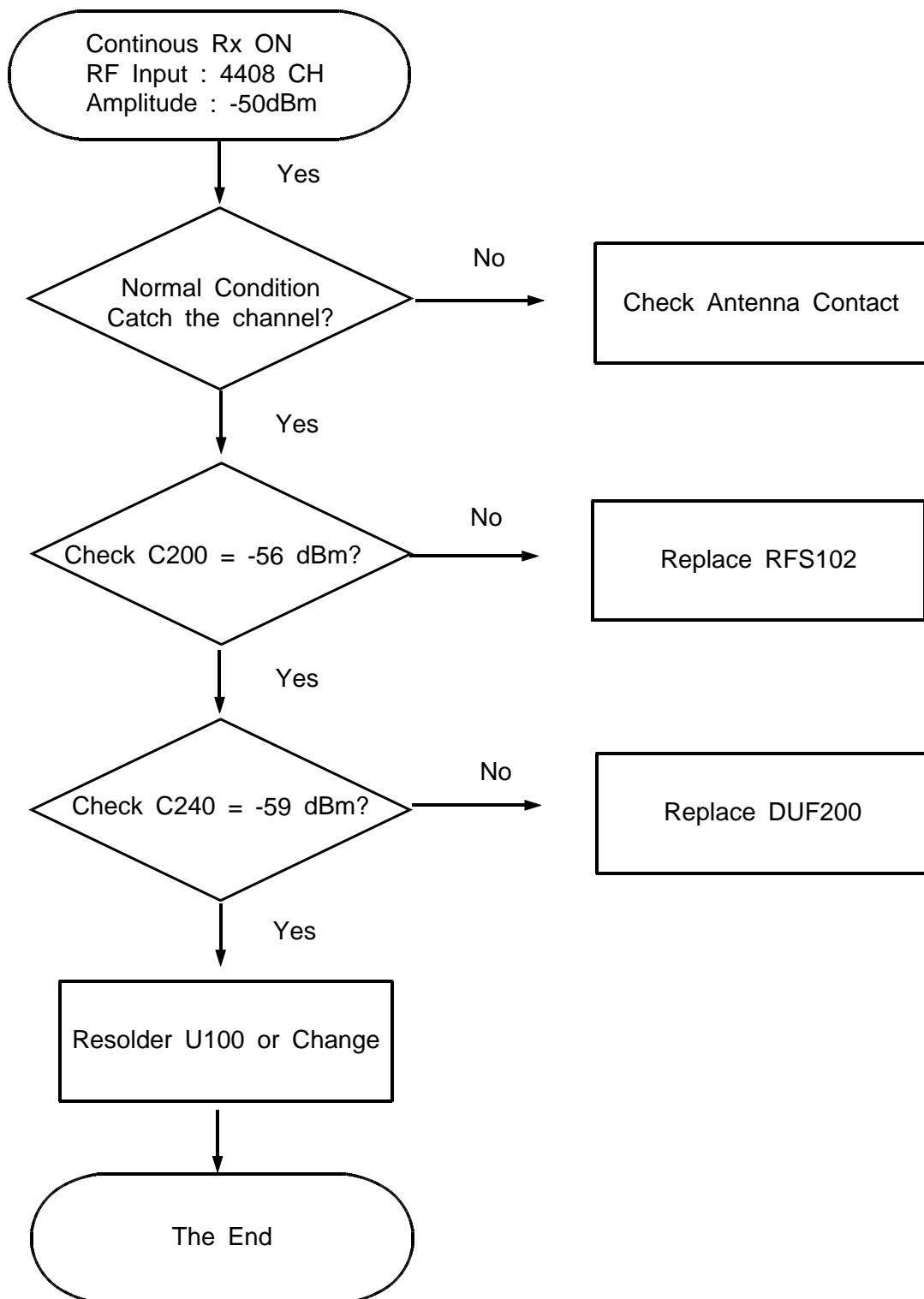


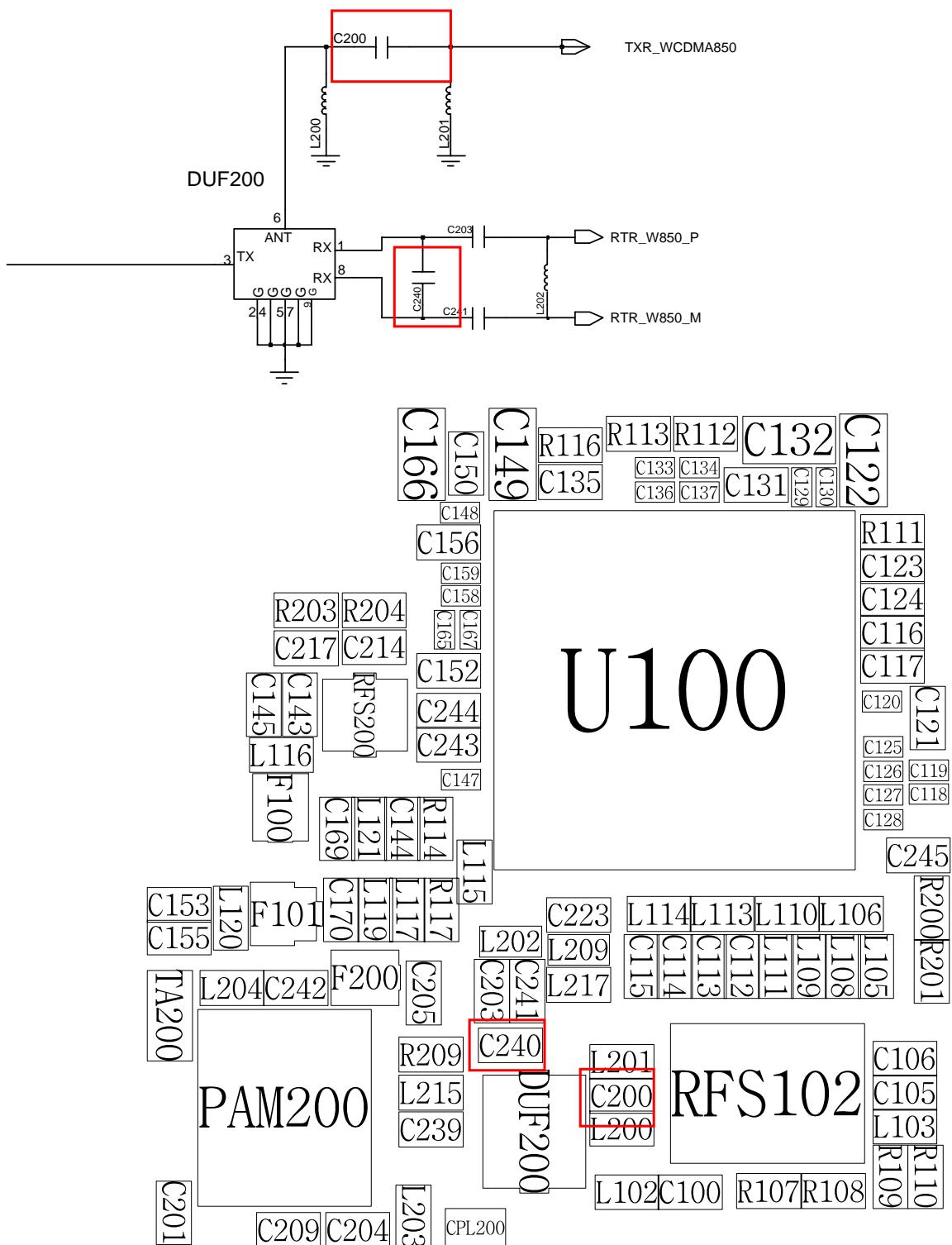




### 9-2-9. WCDMA850 Receiver

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.

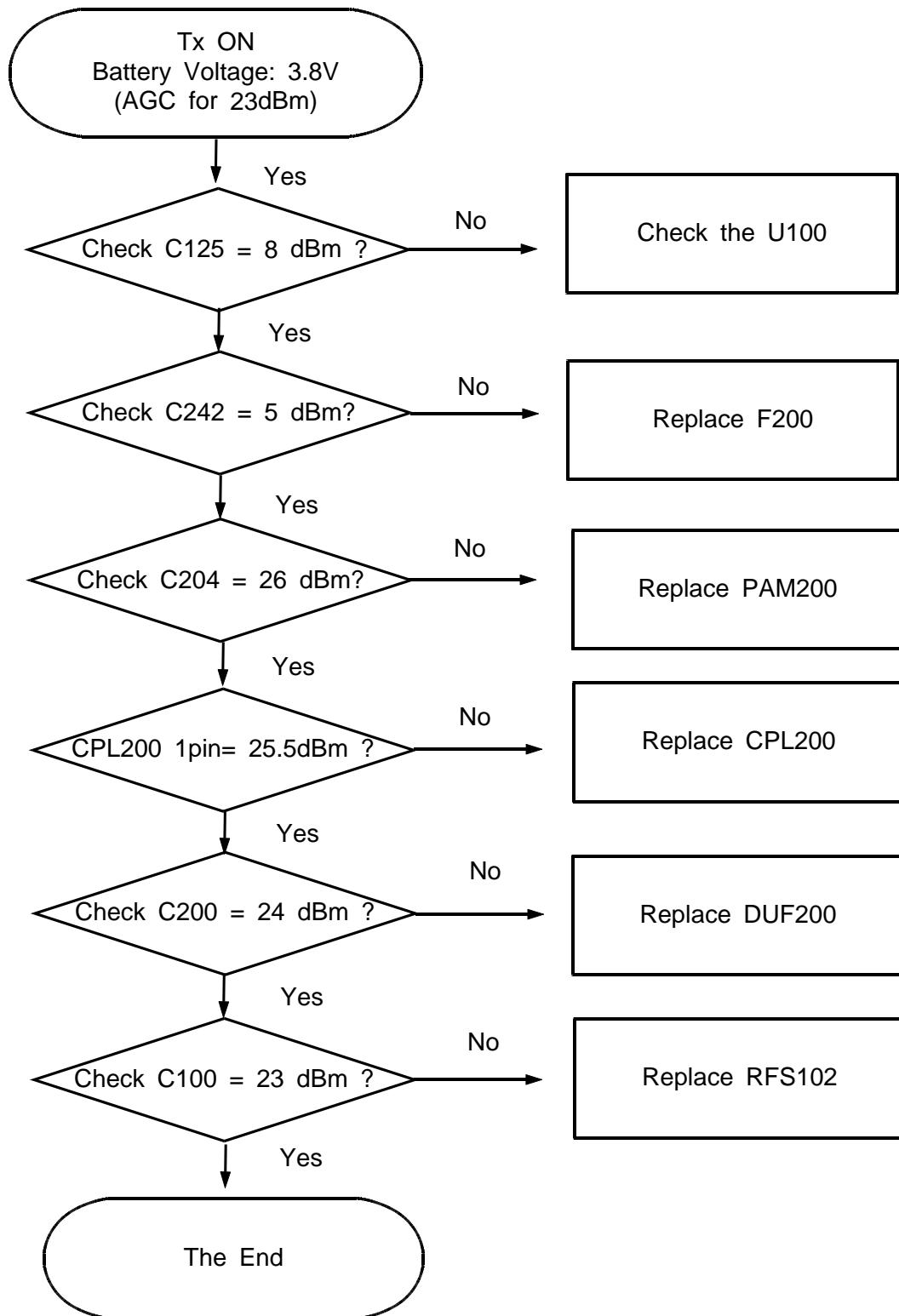




### 9-2-10. WCDMA850 Transmitter

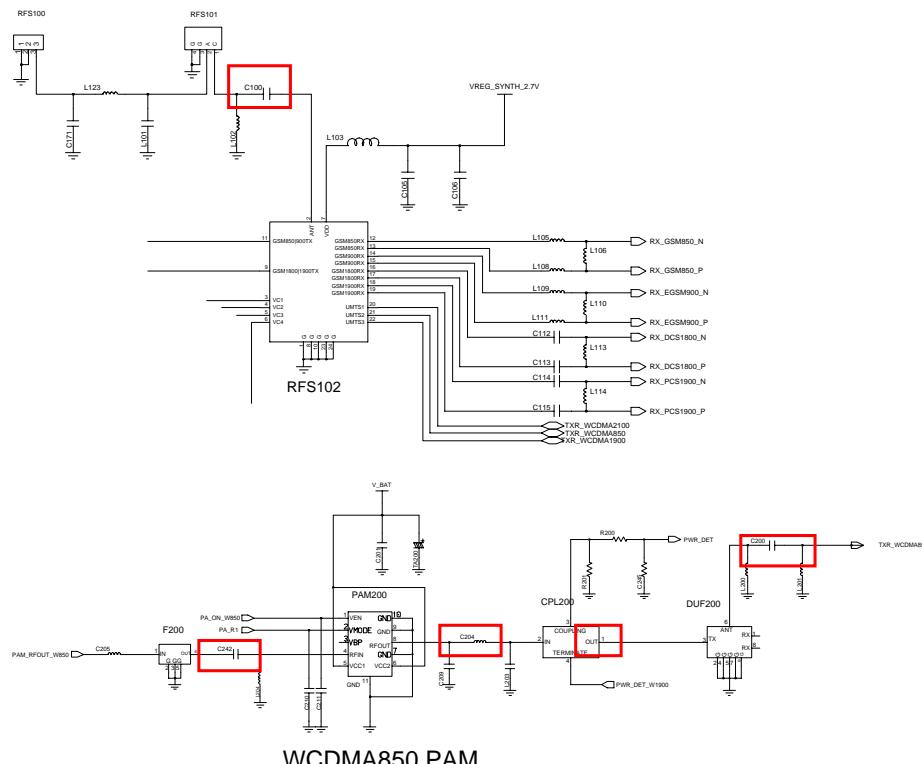
\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.

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

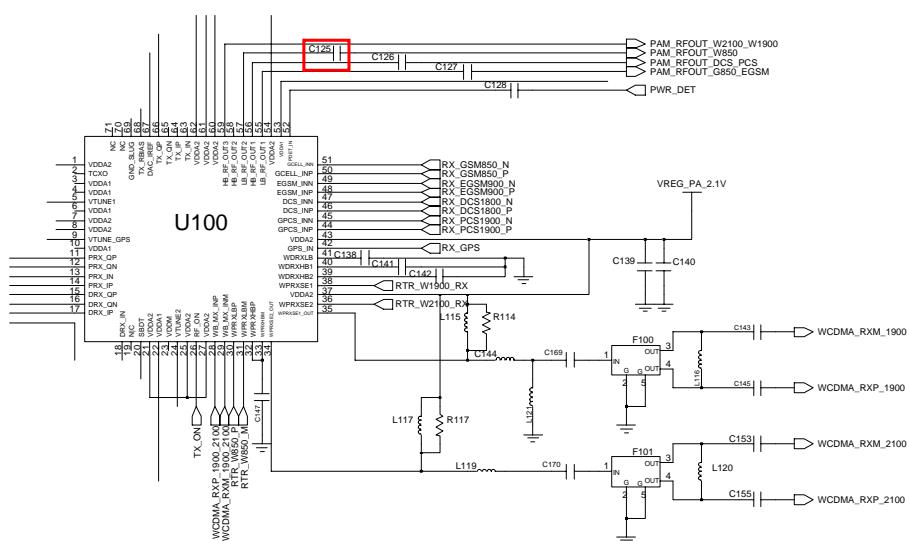


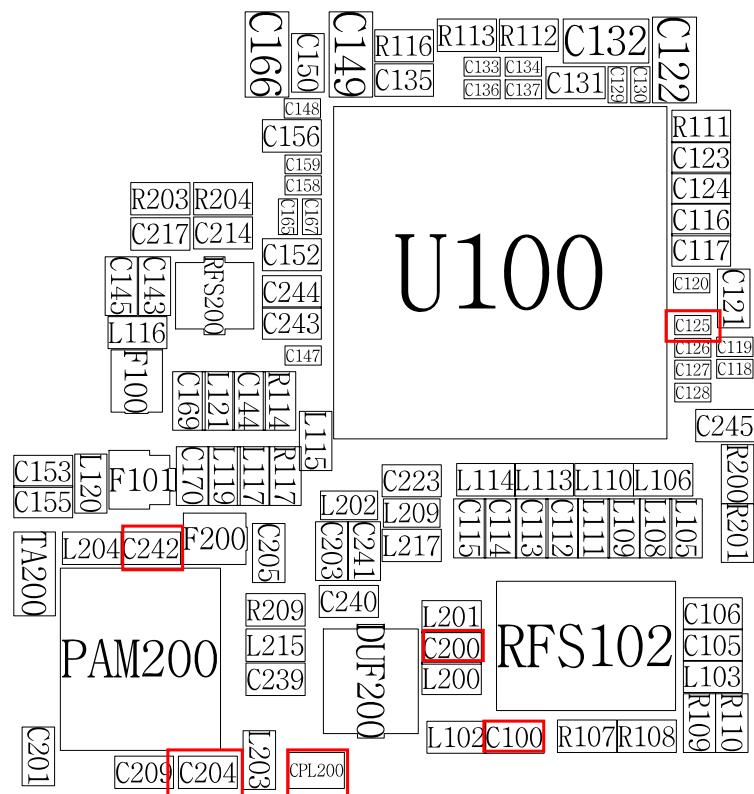
## Flow Chart of Troubleshooting

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WCDMA850 PAM

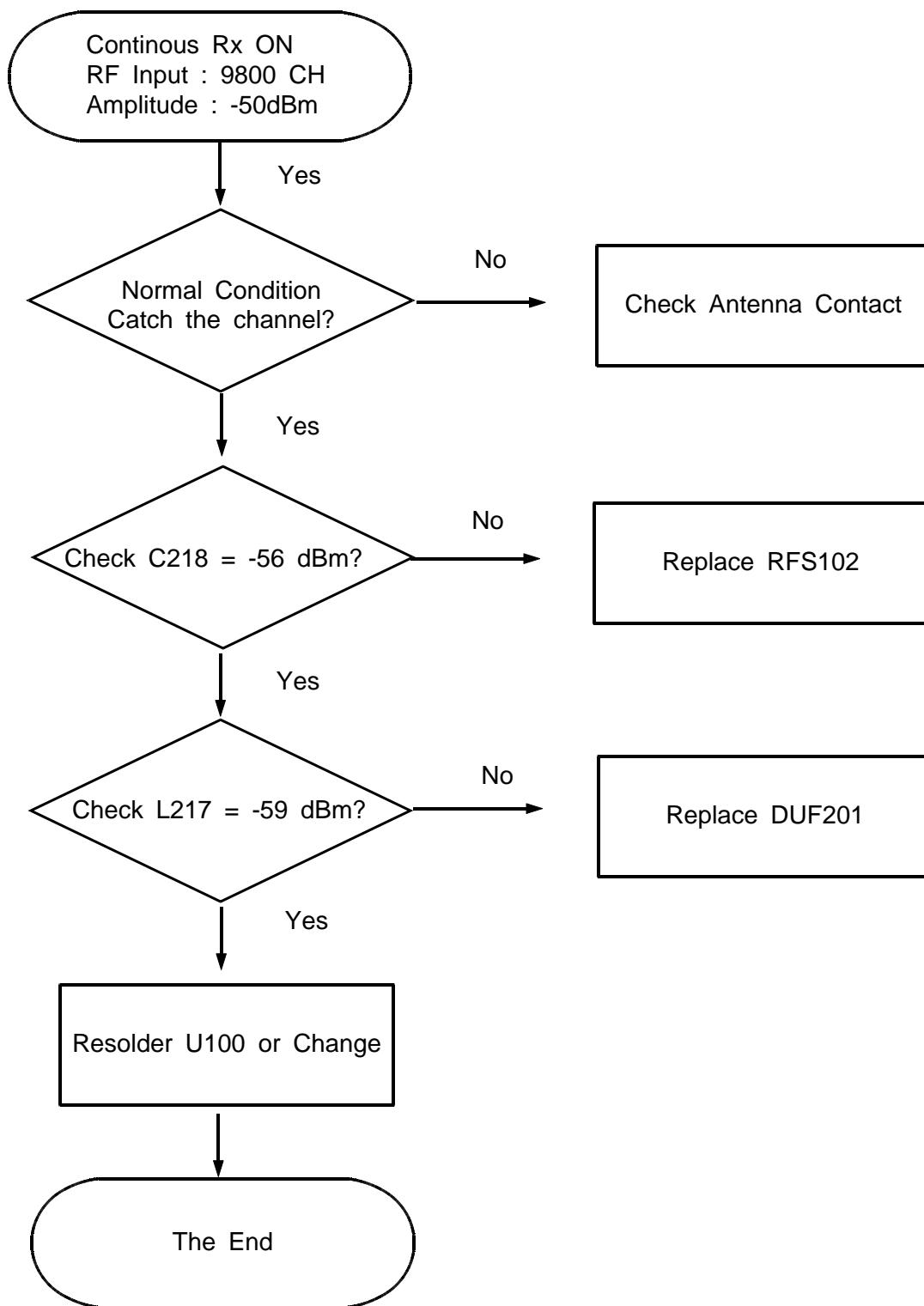


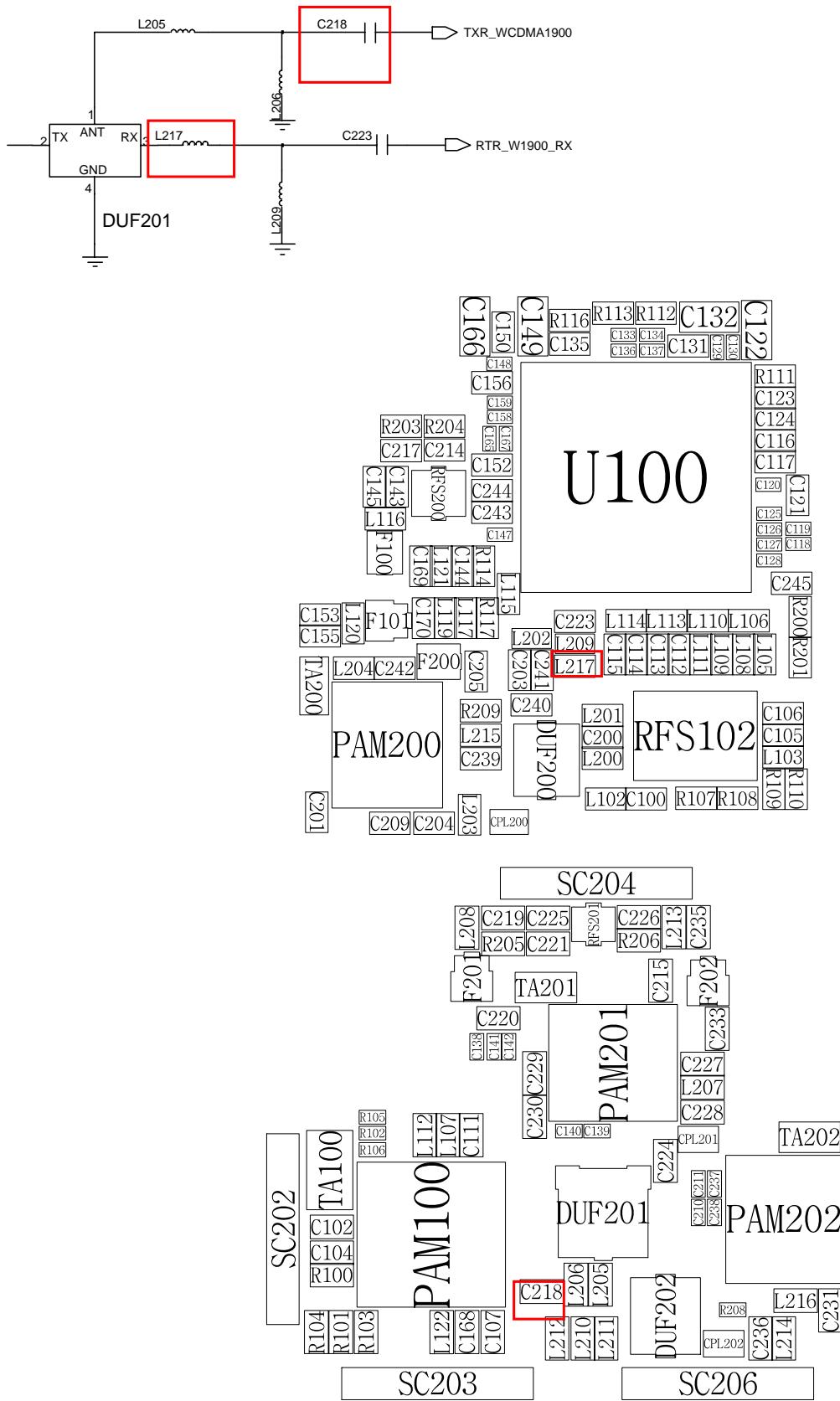


### 9-2-11. WCDMA1900 Receiver

\*\*If you check the tx chain,

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

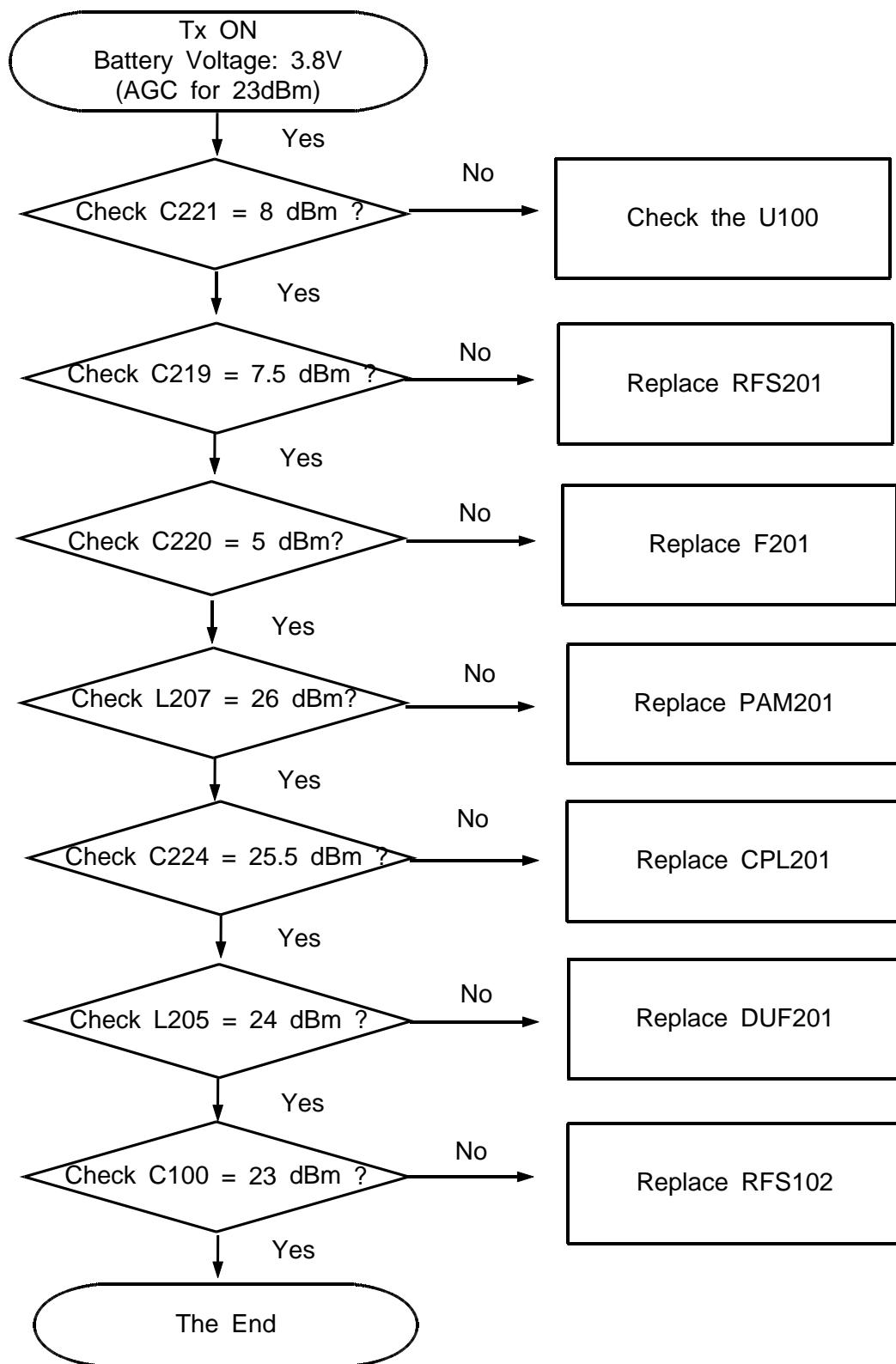


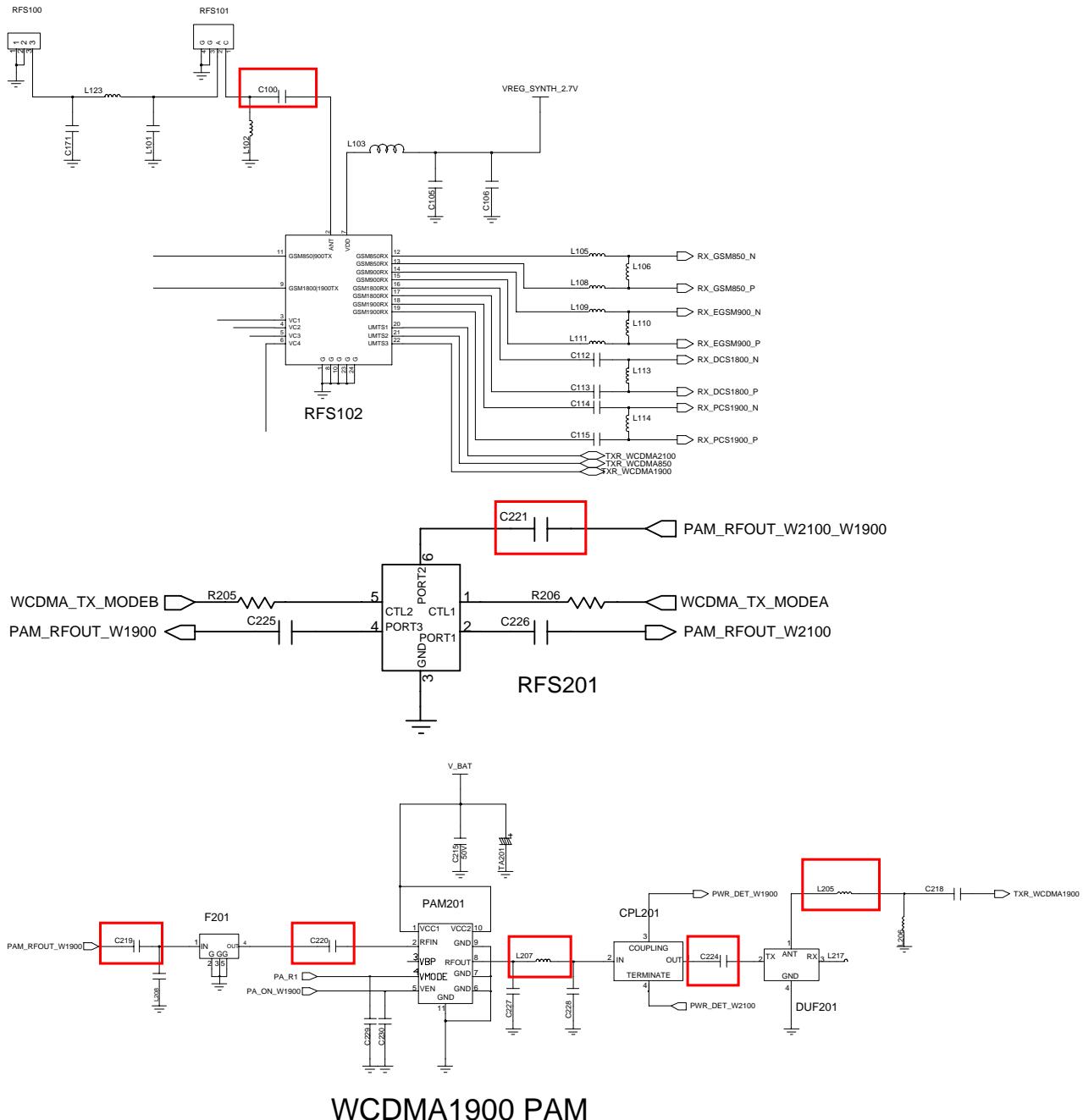


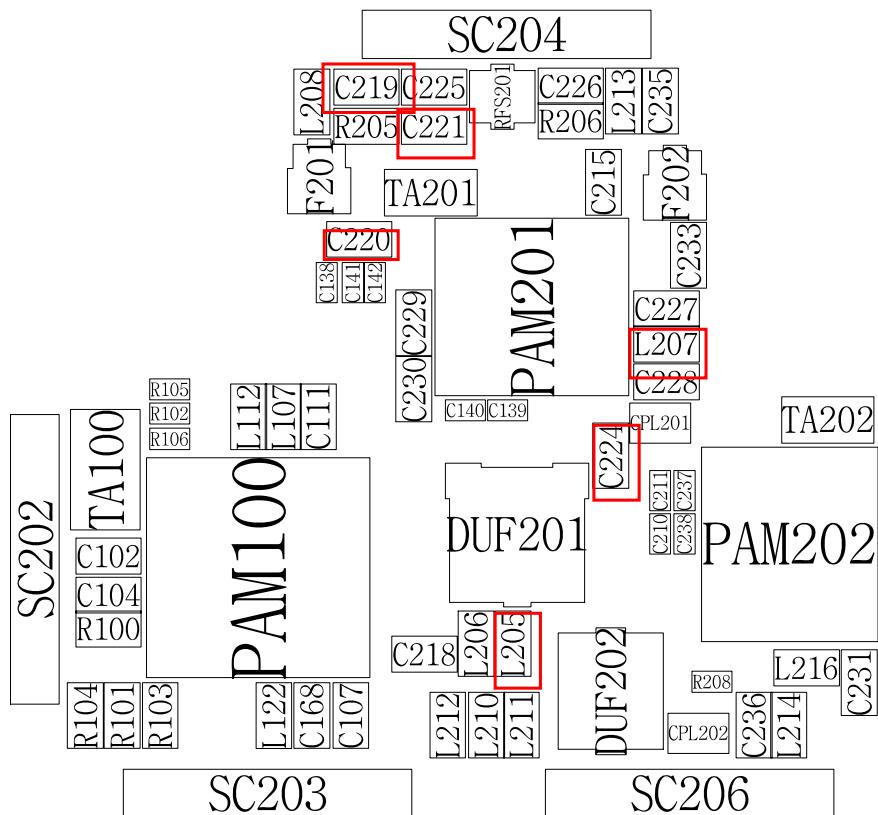
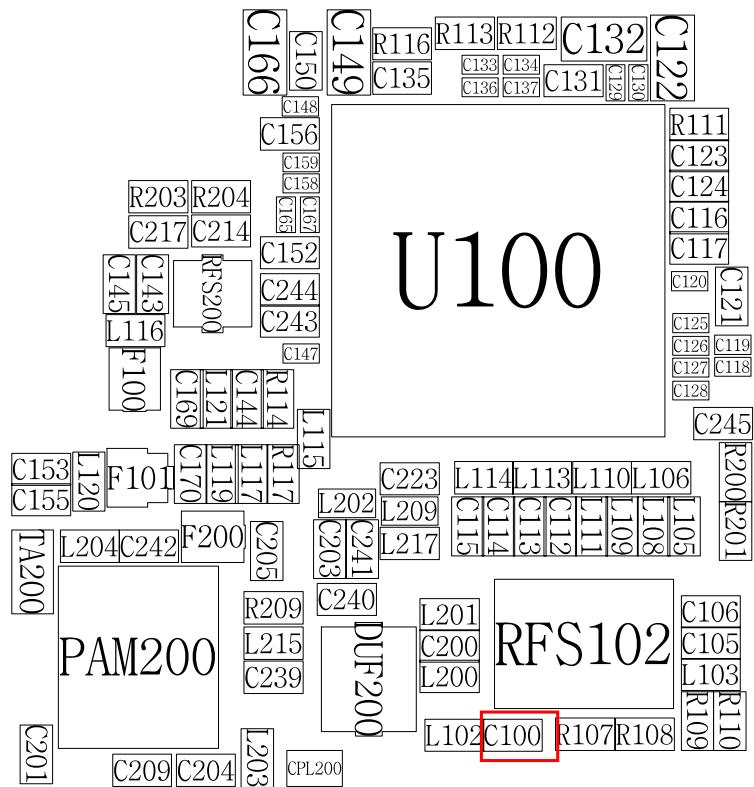
**9-2-12. WCDMA1900 Transmitter**

\*\*If you check the tx chain,

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

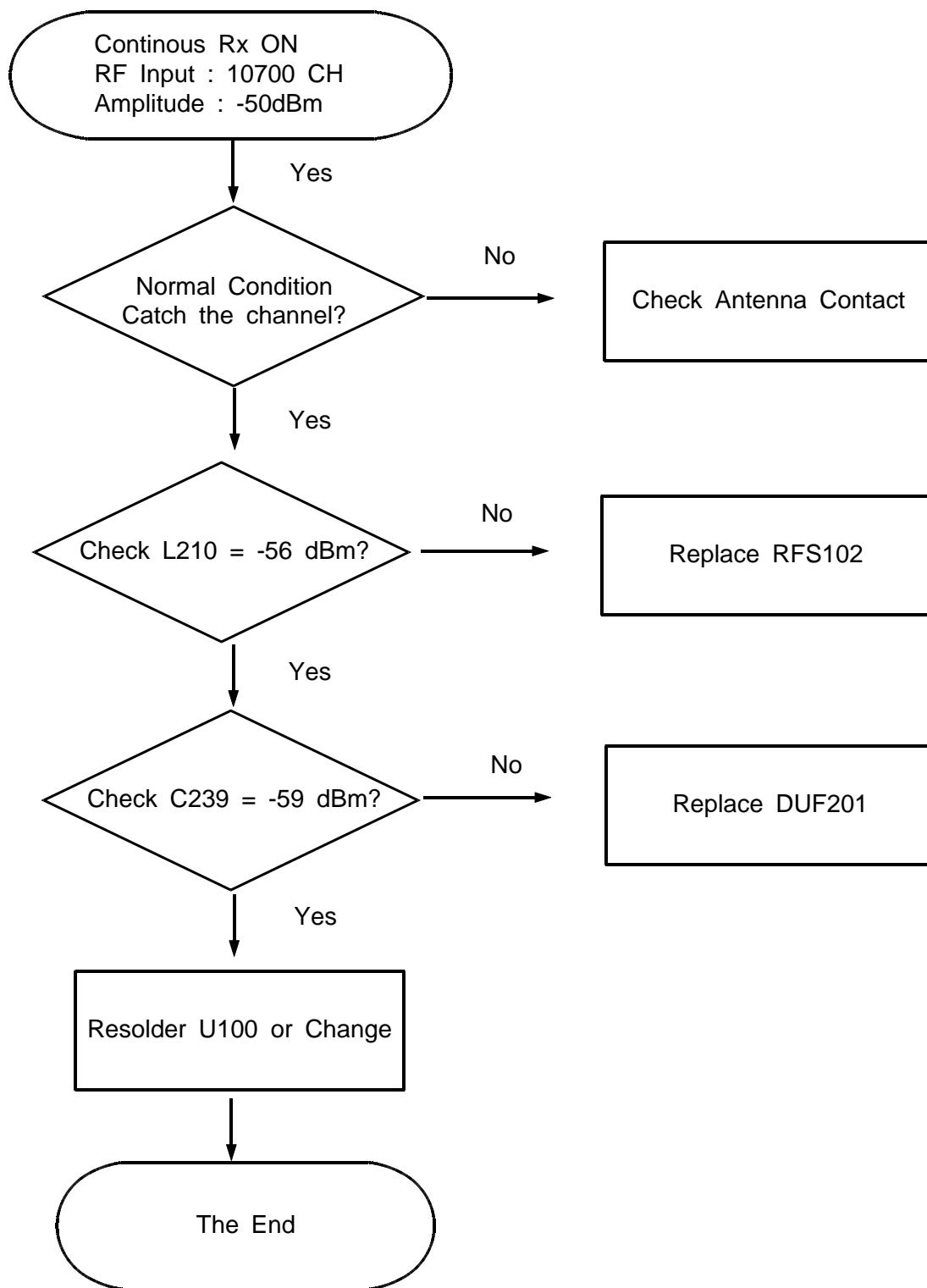






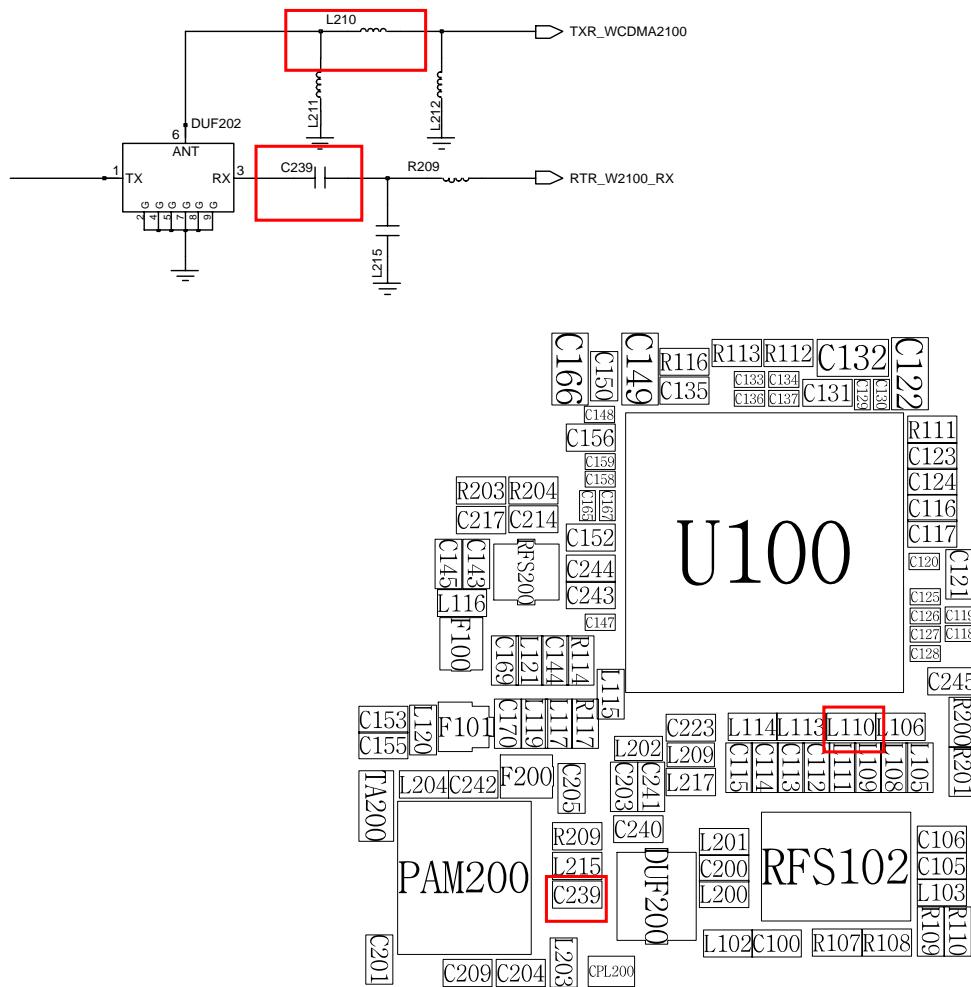
### 9-2-11. WCDMA2100 Receiver

\*\*Please Check the Main Antenna ,rear, front case, and screws, and then follow the chain below.  
If you check the tx chain, Check the not only RF Device but also resistor, inductor and capacitor.



Flow Chart of Troubleshooting

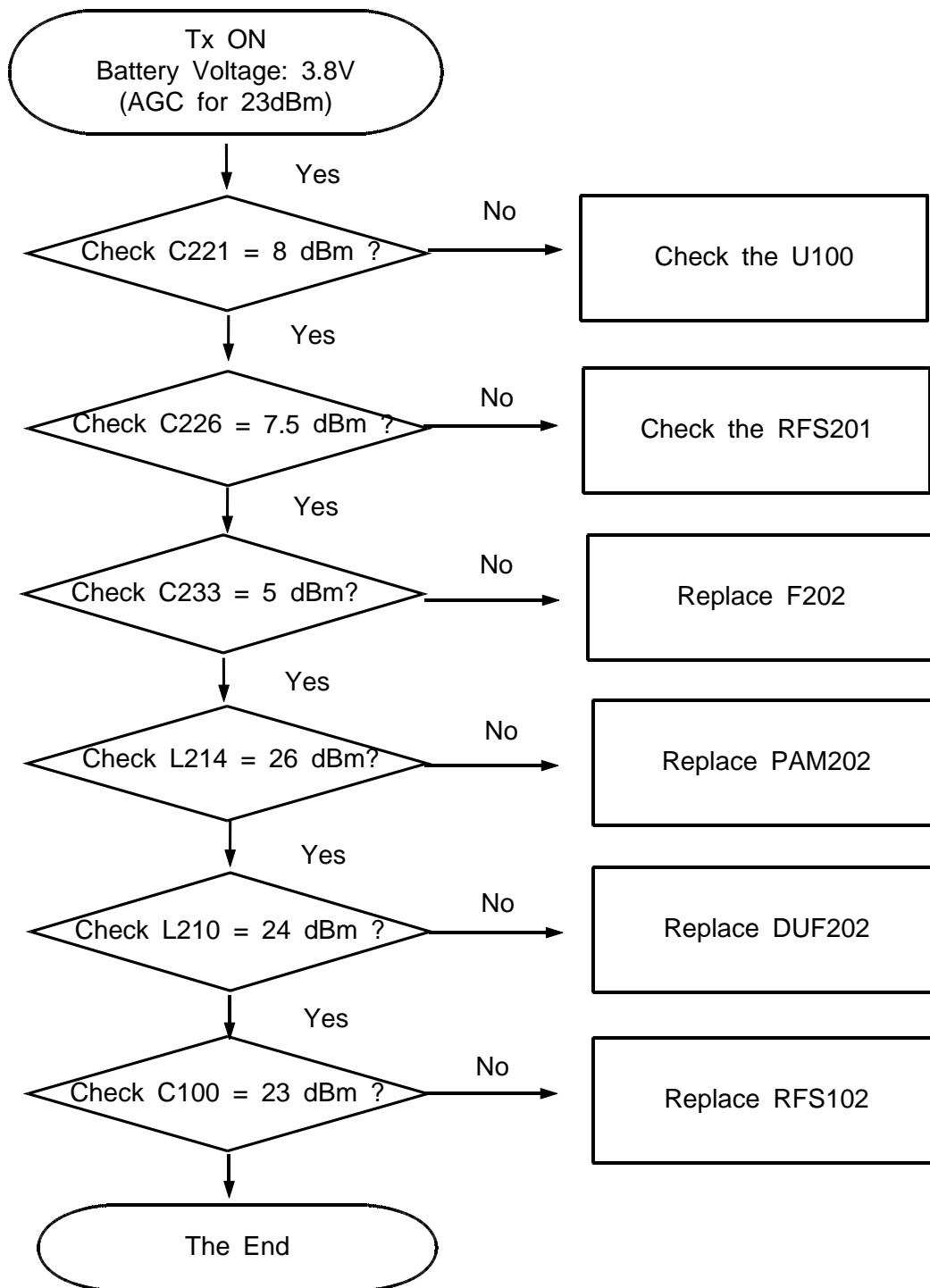
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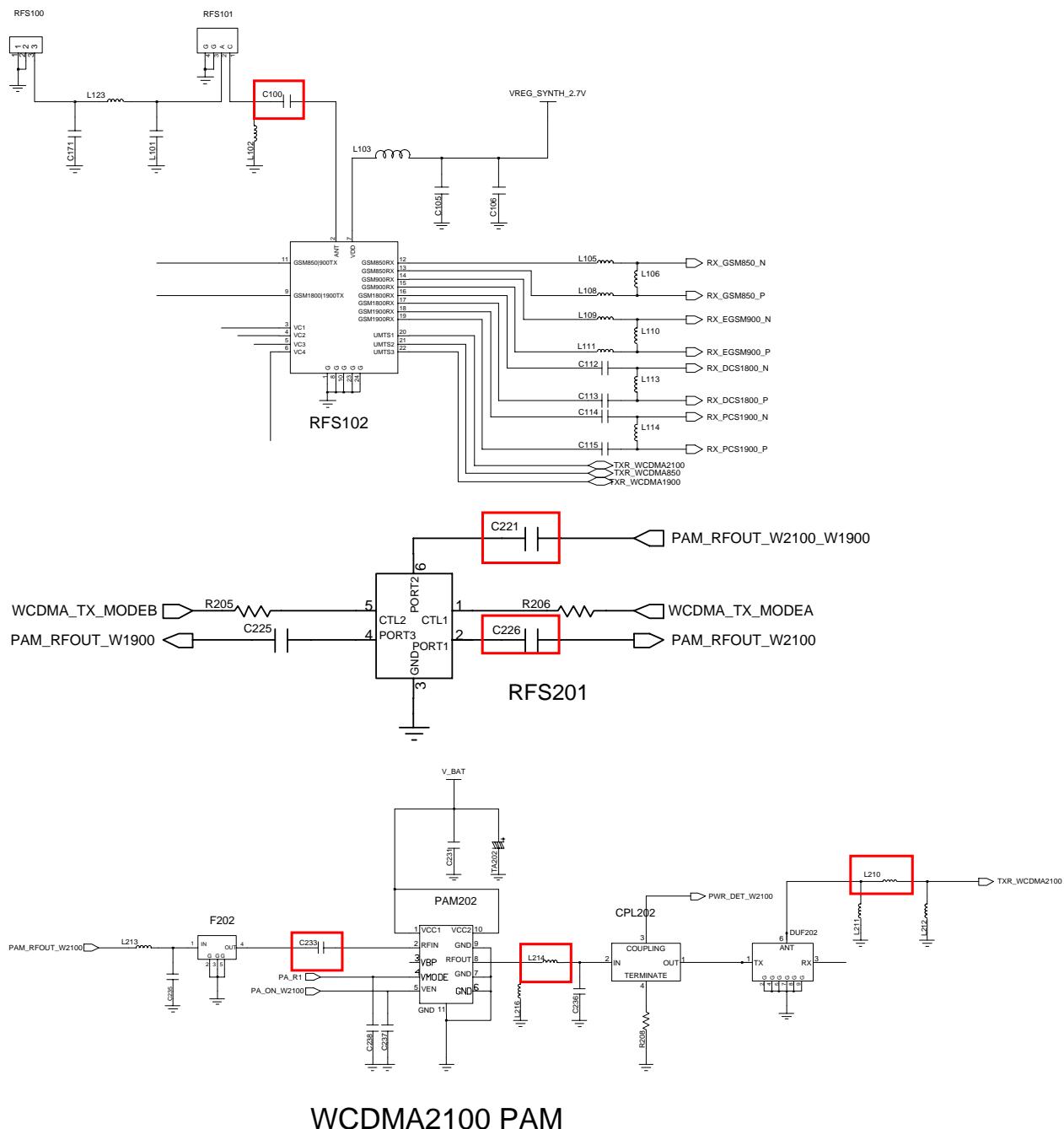
### 9-2-14. WCDMA2100 Transmitter

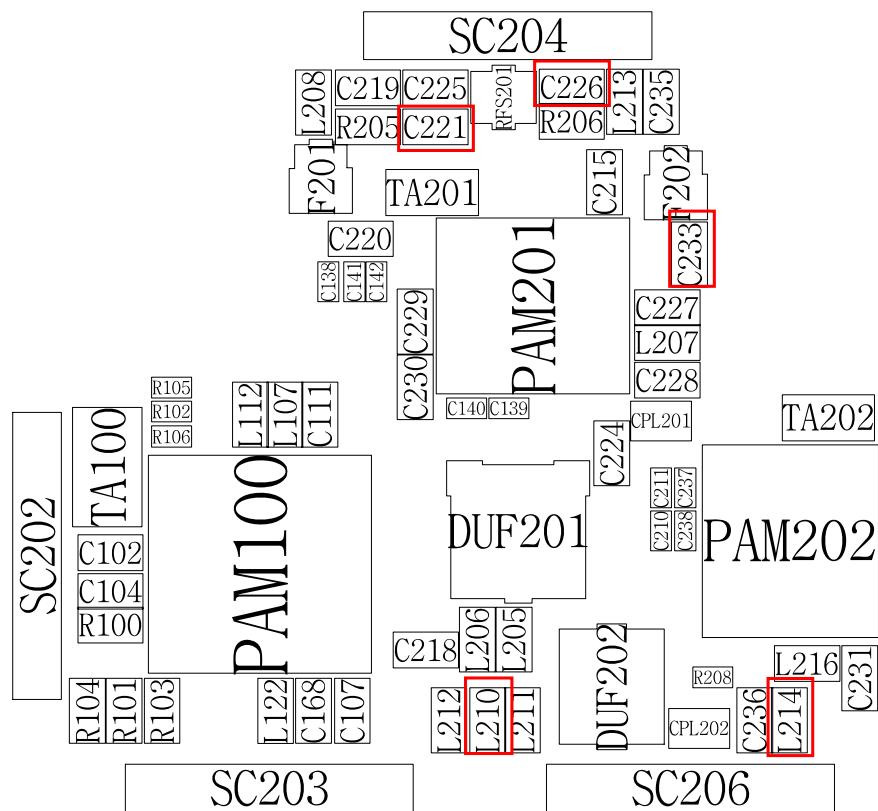
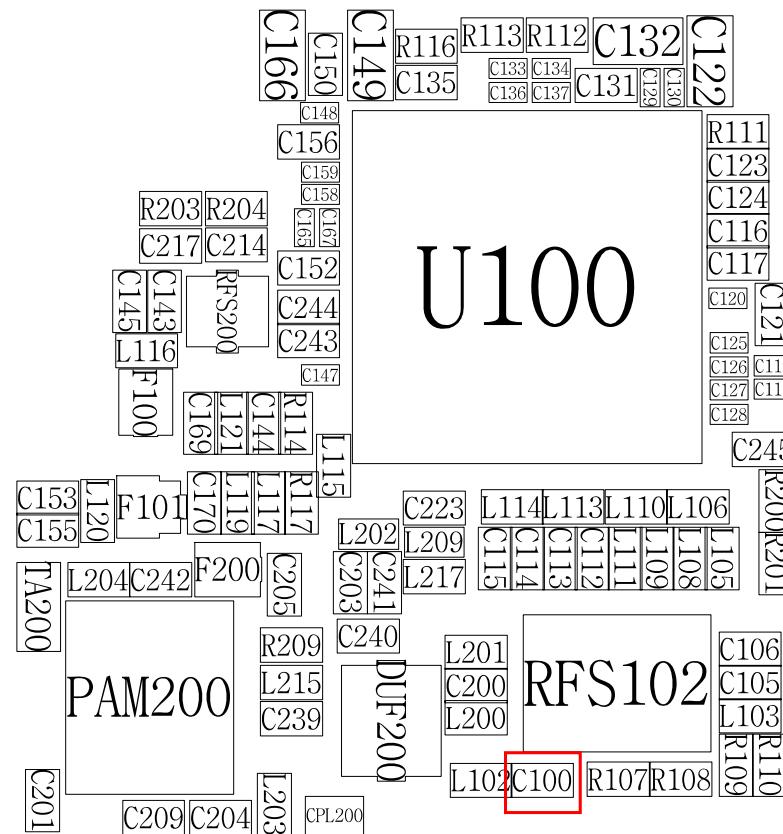
\*\*If you check the tx chain,

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

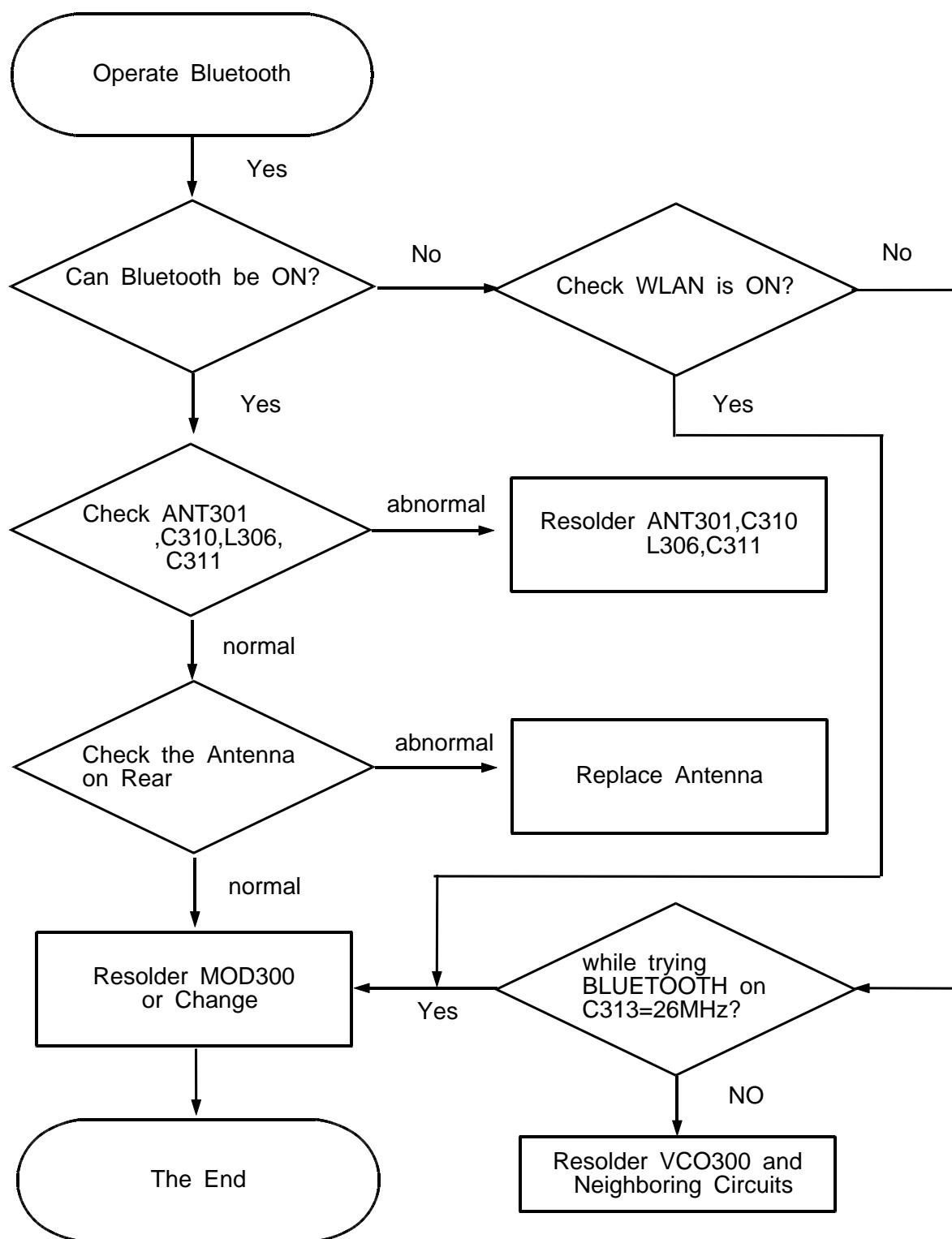


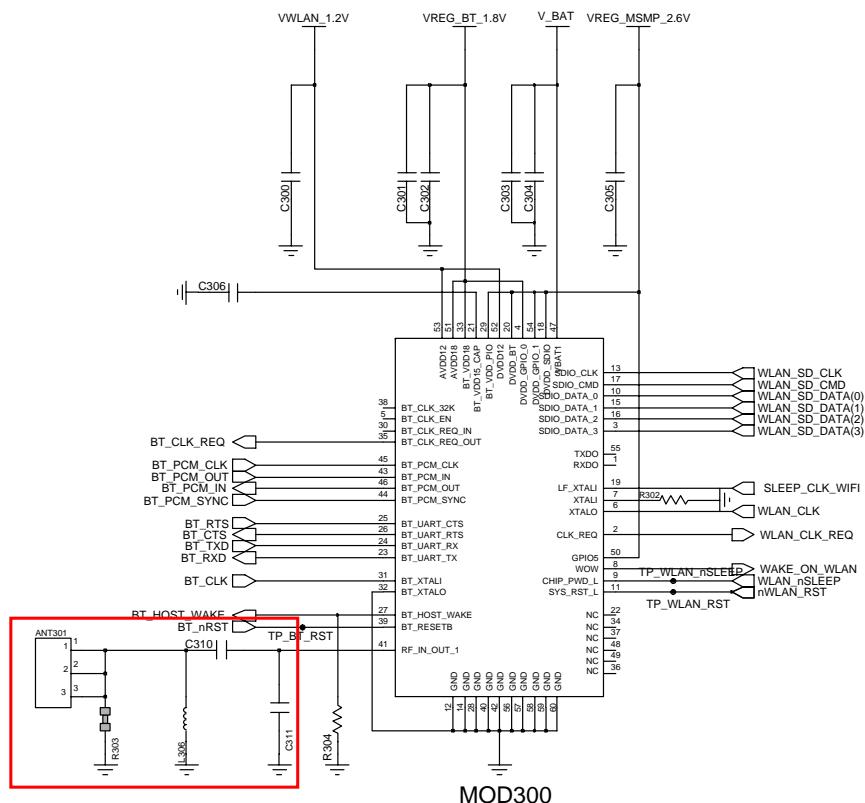
## Flow Chart of Troubleshooting



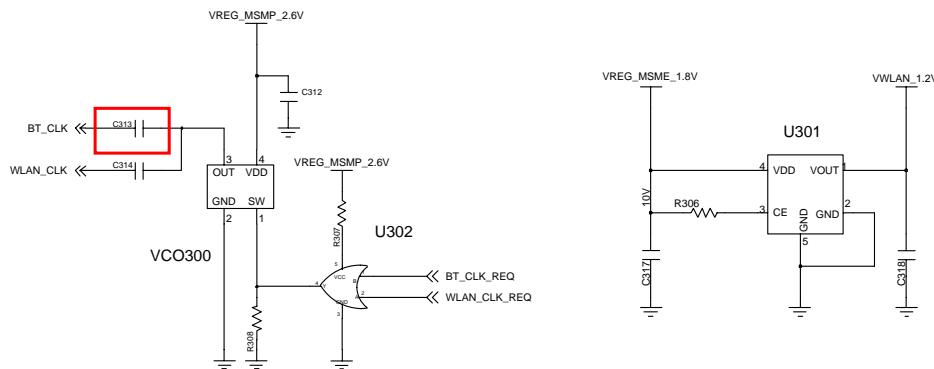


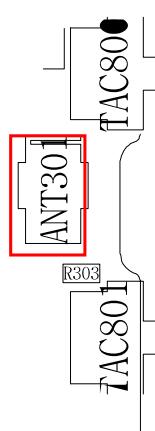
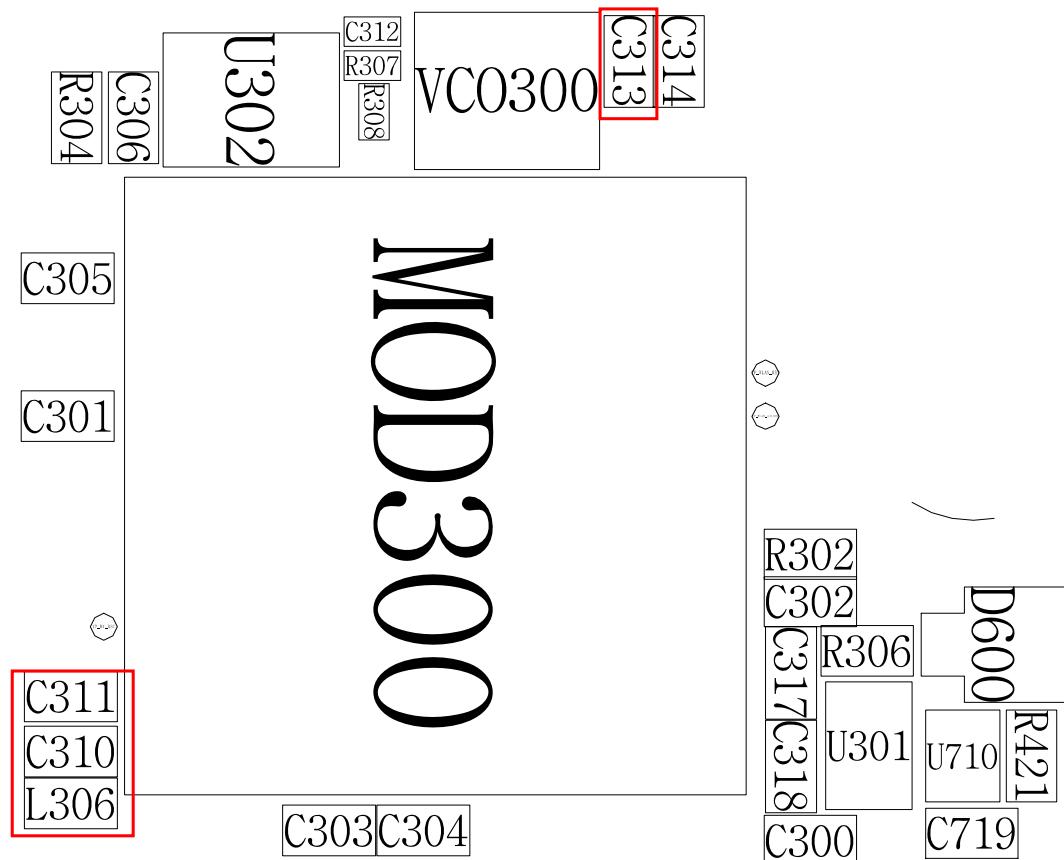
### 9-2-13. BLUETOOTH



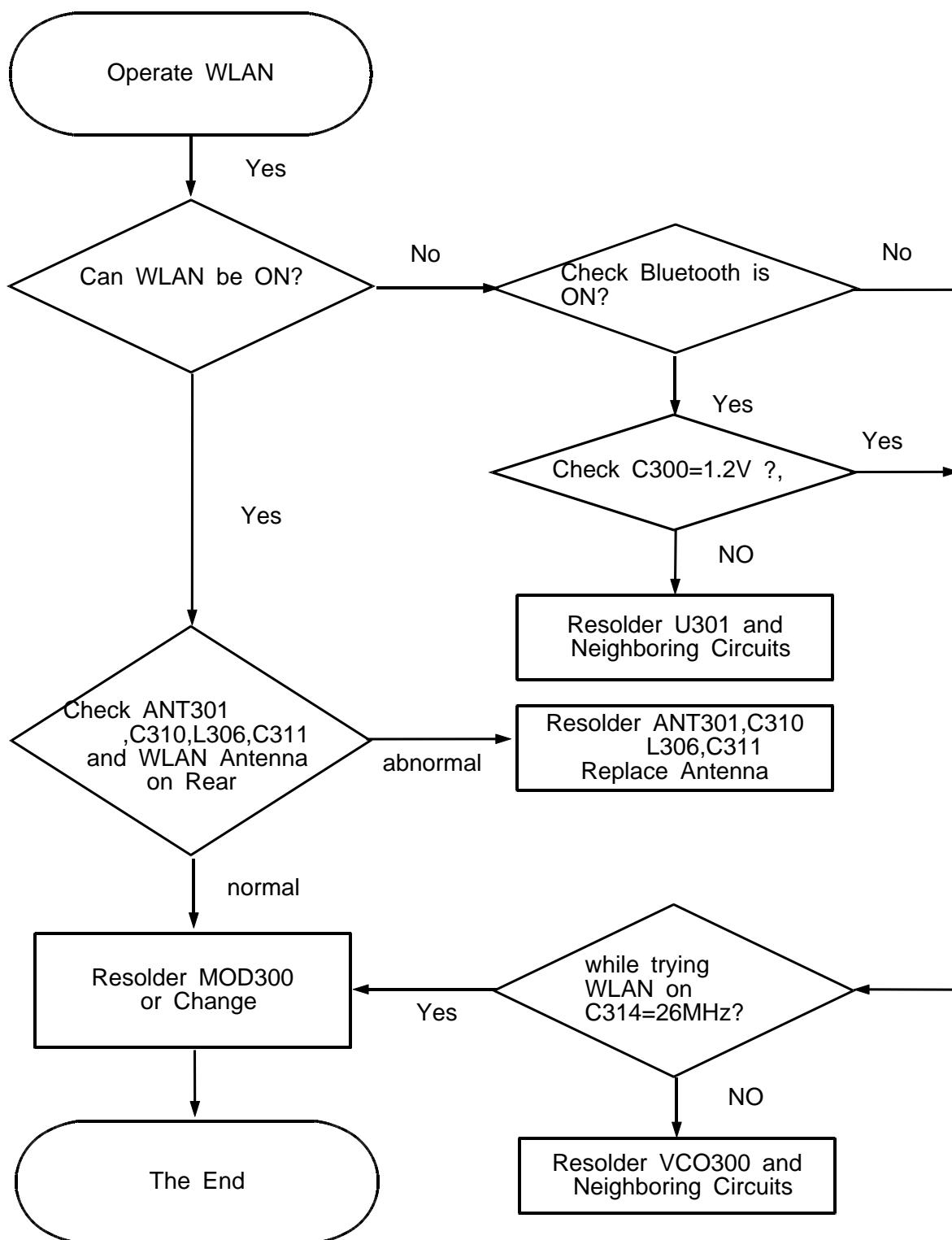


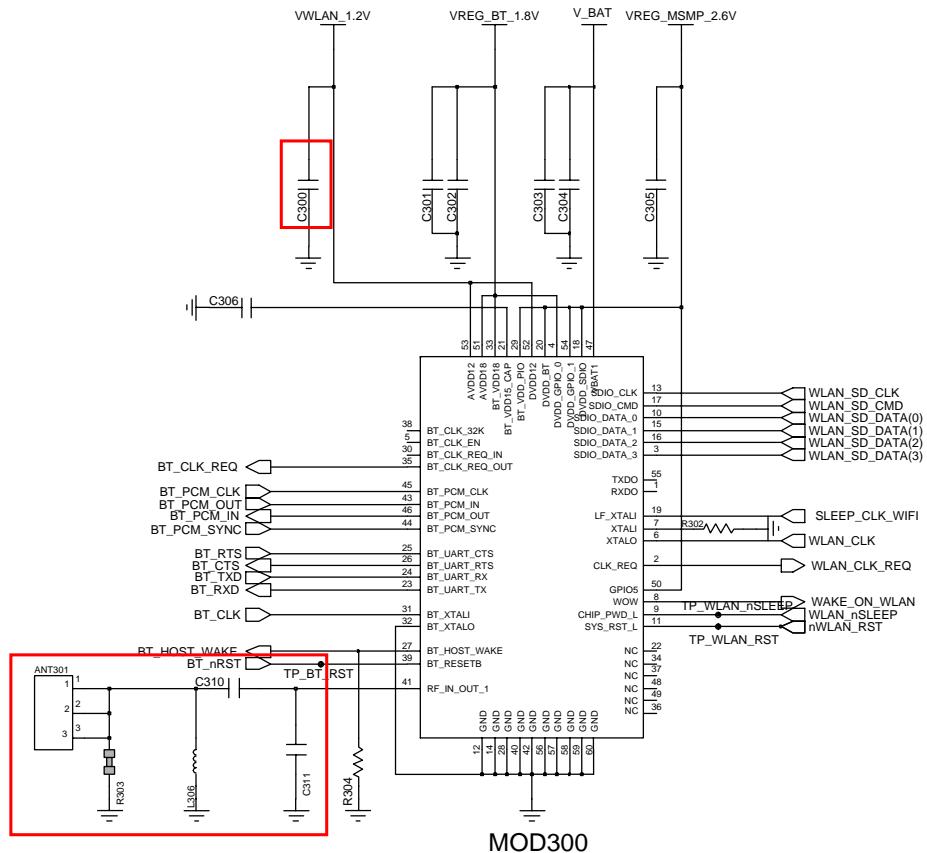
## BT, WIFI Combo



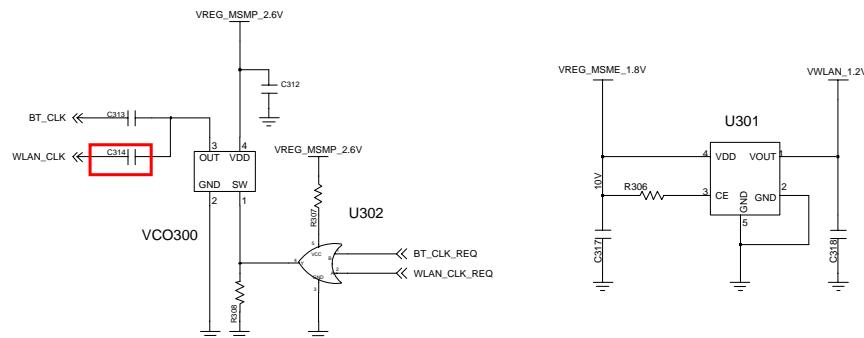


## 9-2-14. WLAN

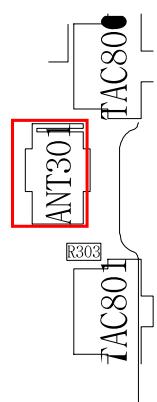
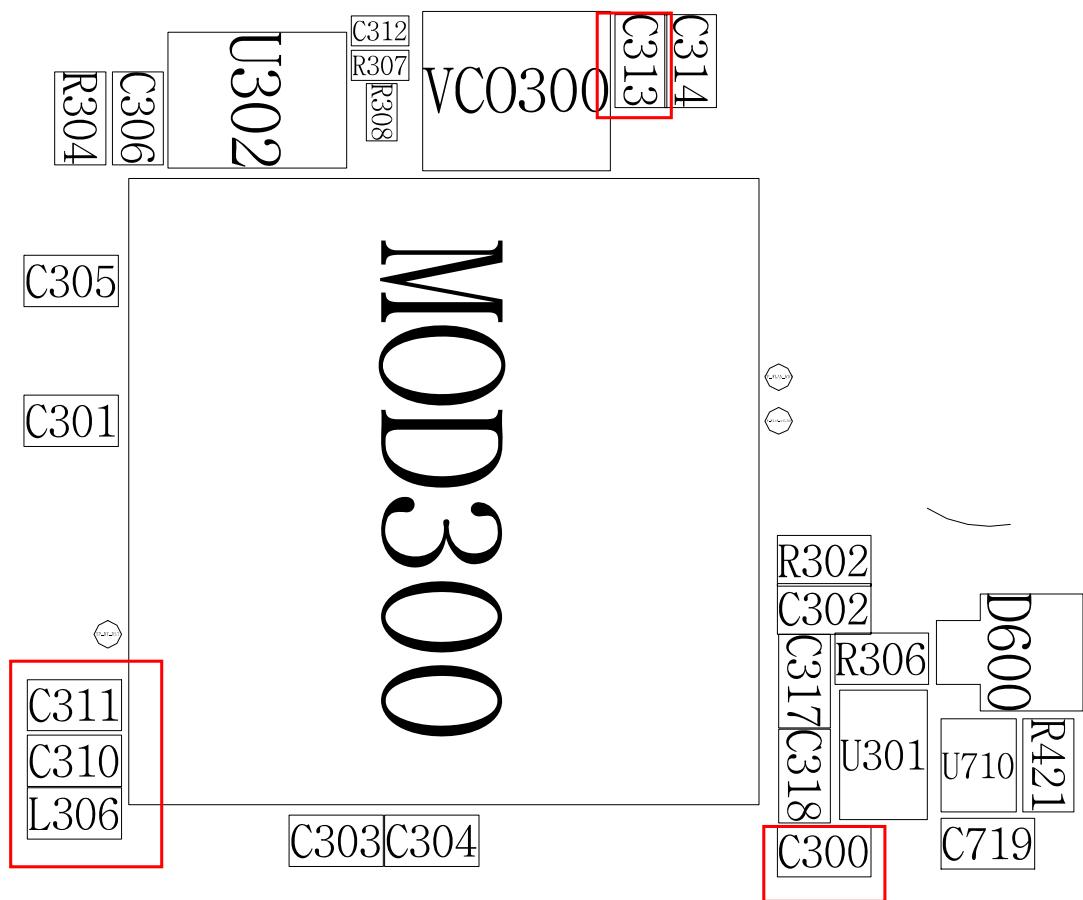


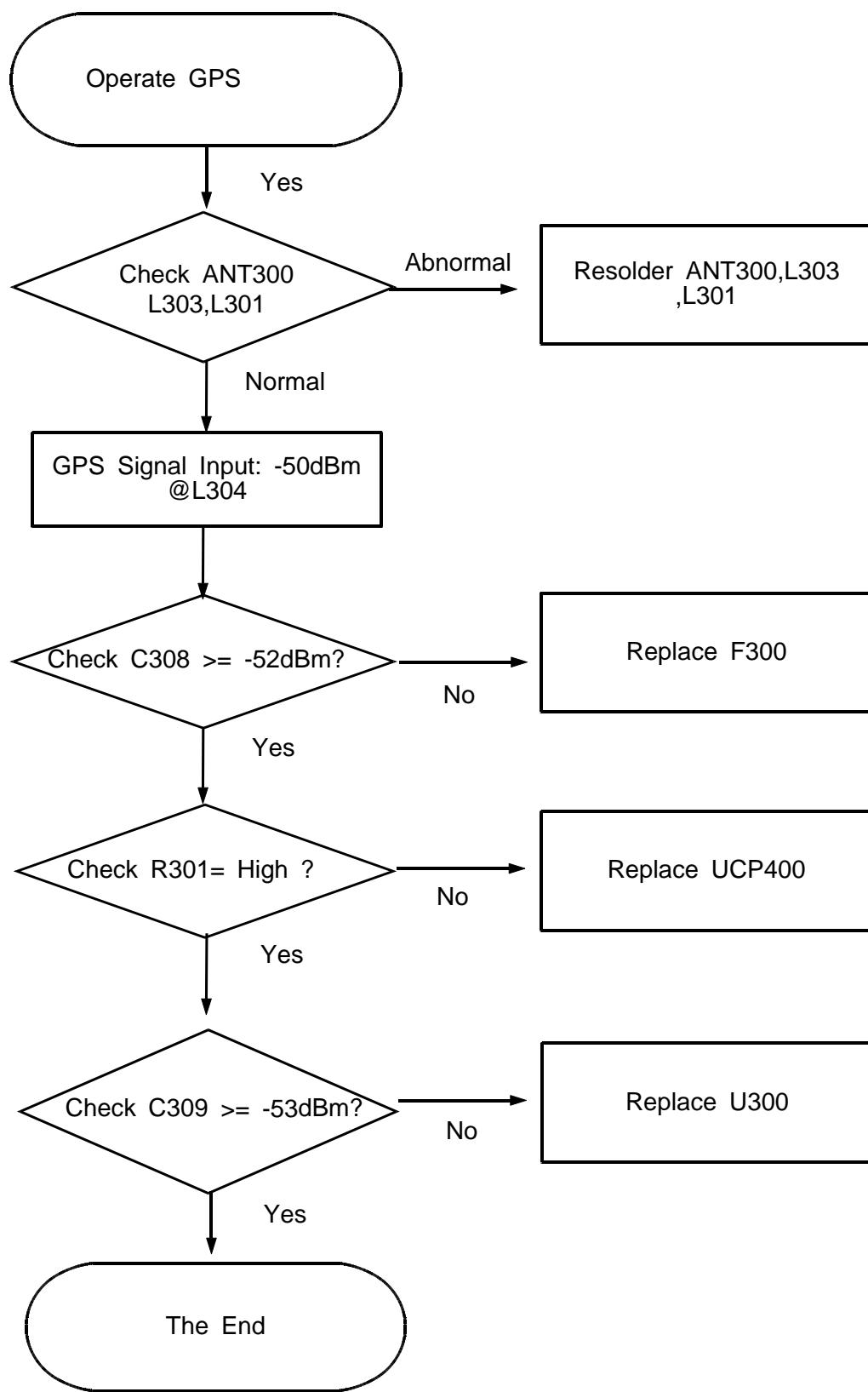


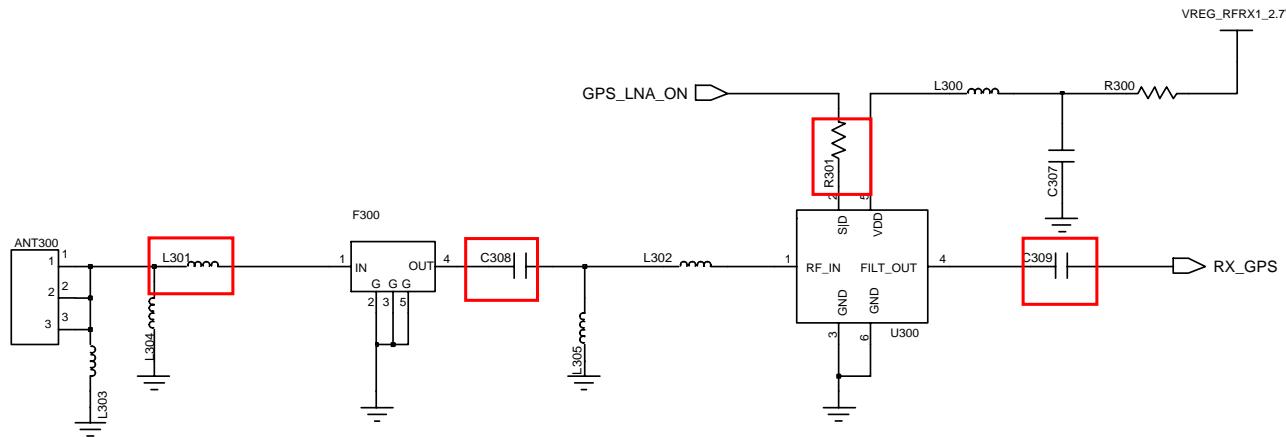
# BT, WIFI Combo



**BT, WIFI TCXO**

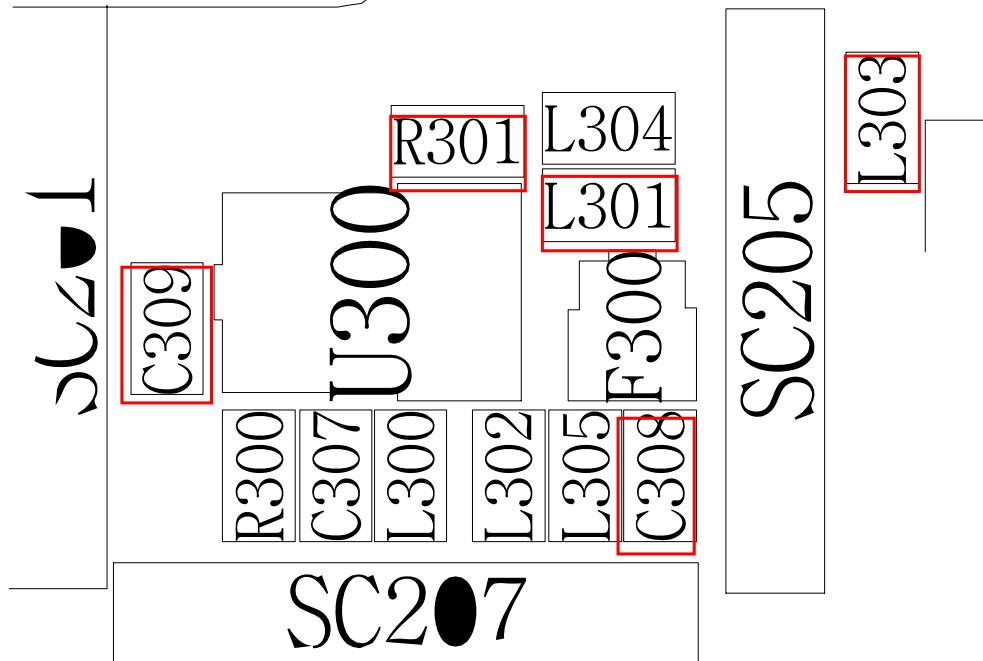


**9-2-17. GPS**



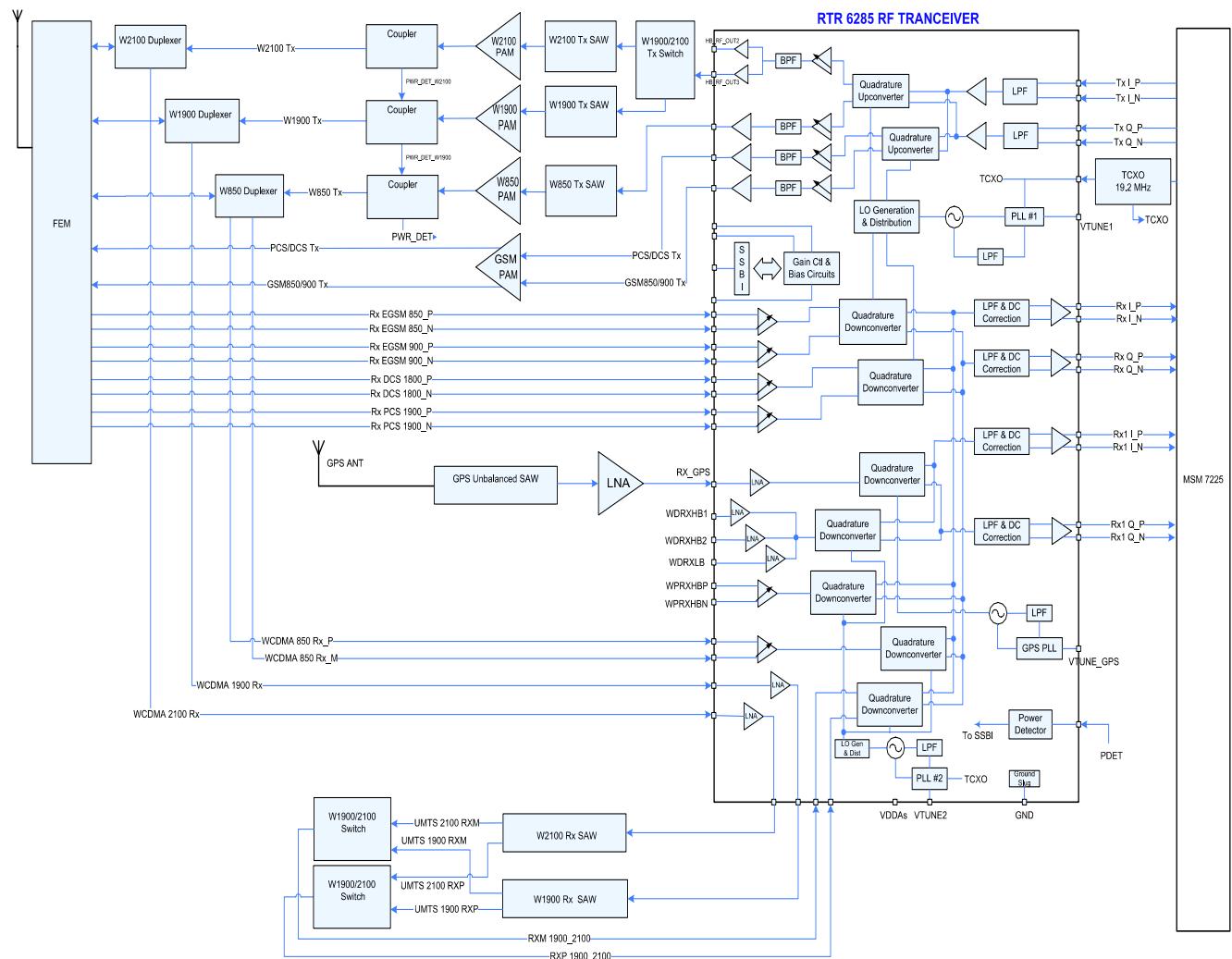
GPS

ANT300



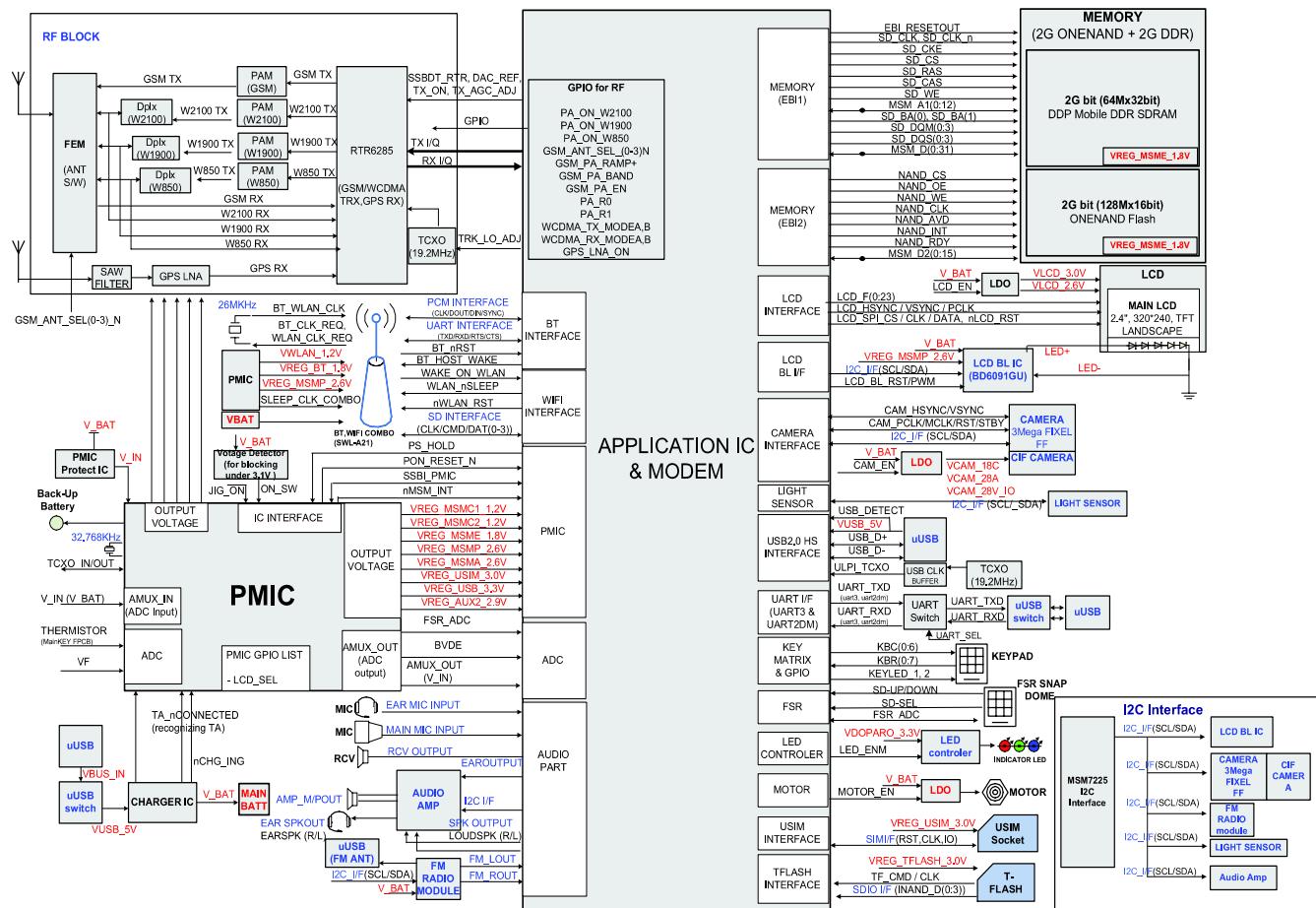
## 7. Block Diagrams

### 7-1. RF Solution Block Diagram



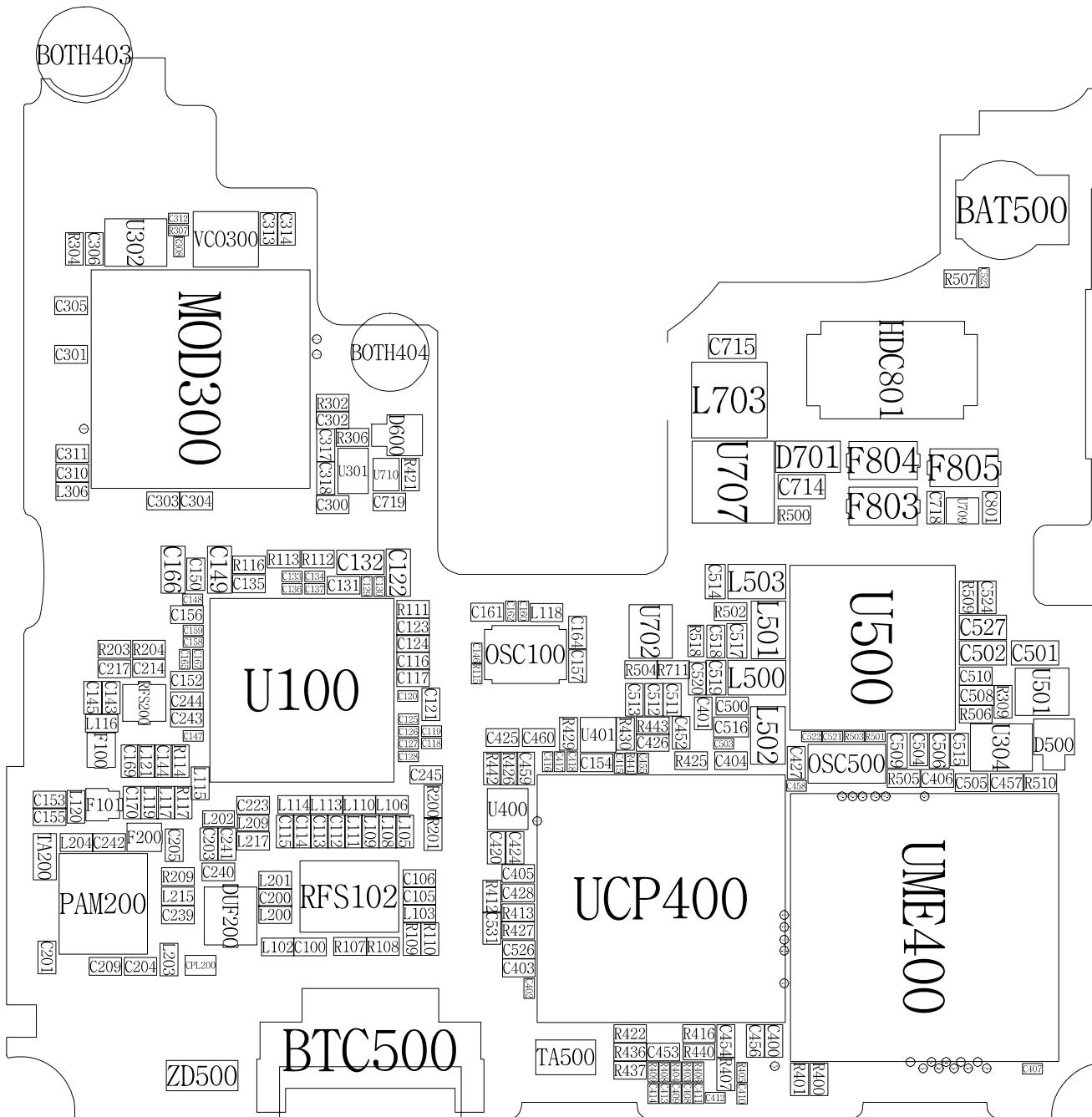
## 7-2. Base Band Solution Block Diagram

Updated Date: 10th June, 2009.

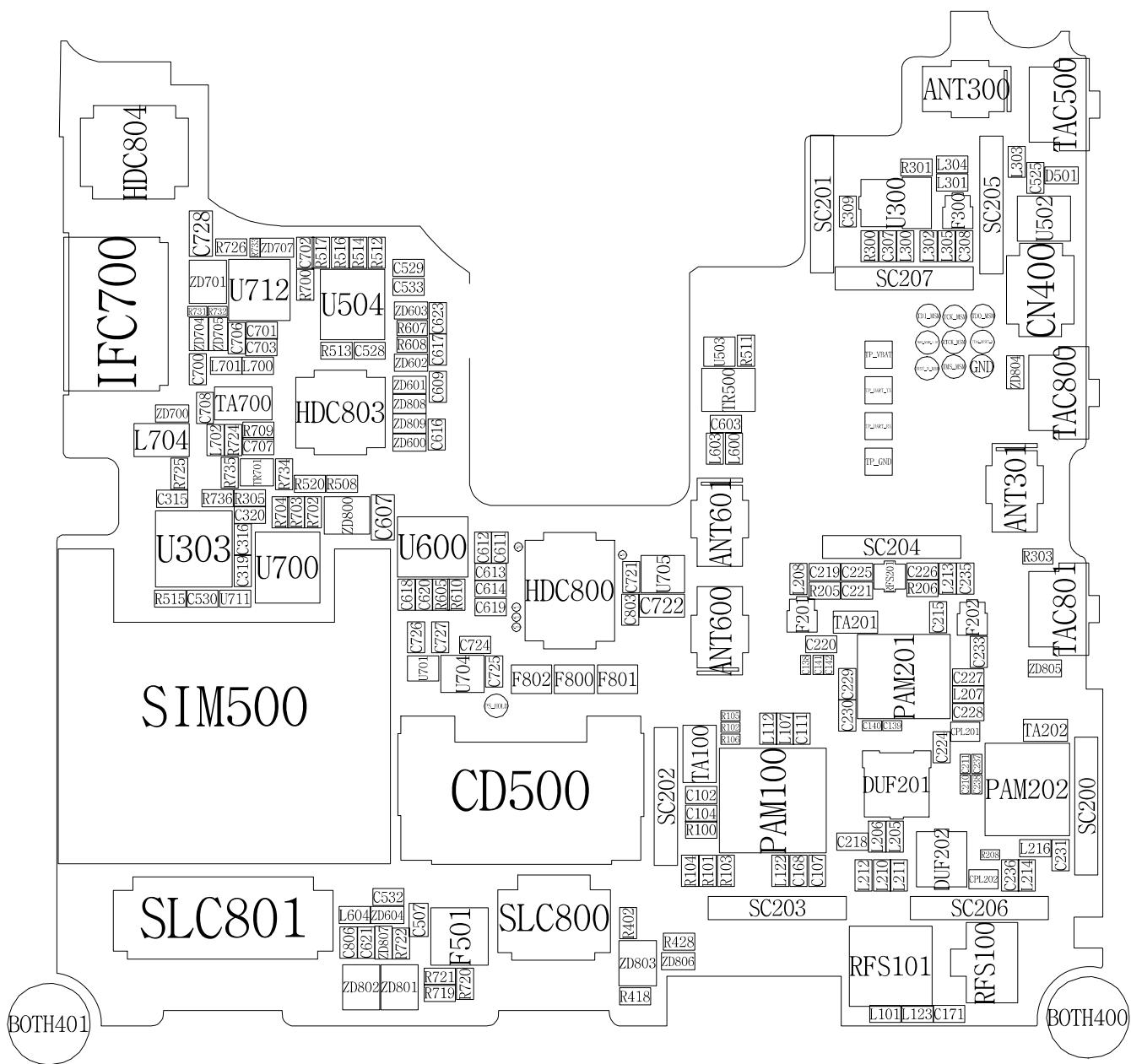


## 8. PCB Diagrams

### 8-1. Main Top



## 8-2. Main Bottom



# 11. Disassembly and Assembly Instructions

## 11-1. Disassembly Instructions

1

1) Disassemble REAR screw 4 points.



2

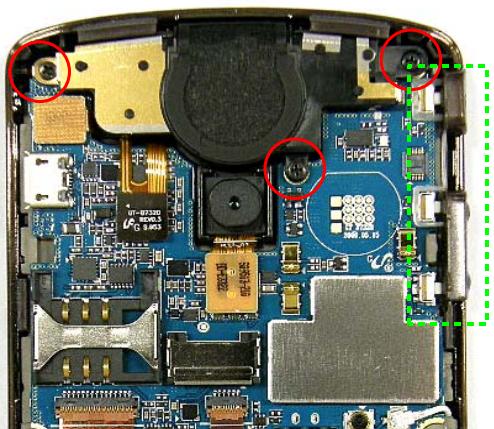
1) Separate the REAR from the FRONT ass'y  
( Bottom → Right → Left → TOP)



### \* Caution

1) Be care of scratch and molding damage.

3



1) Disassemble SPEAKER screw 3 points.

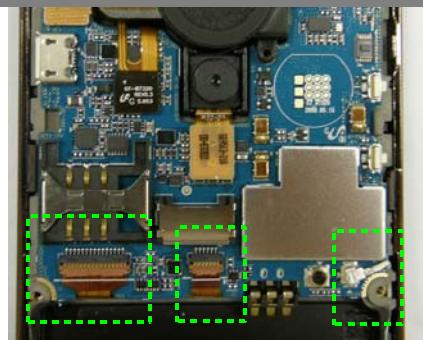
2) Disassemble Side Key

### \* Caution

1) Be care of scratch and molding damage.

4

1) Disassemble the key FPCB from connector.  
2) Disassemble the Intena cable from connector.



### \* Caution

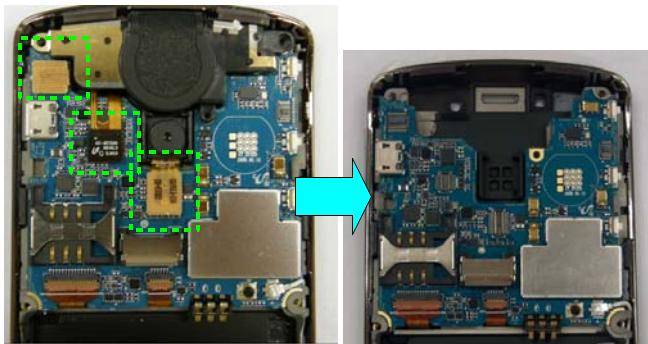
1) Be care of scratch and molding damage.

### \* Caution

1) Be care of damage to KEY F-CPB.

5

- 1) Disassemble the CIF Camera connector.
- 2) Disassemble the SPEAKER connector.
- 3) Disassemble the MEGA Camera connector.



6

- 1) Separate the PBA from the FRONT ass'y



**\* Caution**

- 1) Be care of damage to KEY F-CPB.

7

- 1) Right/ left hook opening slightly bracket ass'y in Front separate.



8

- 1) Separate the LCD from the Bracket ass'y



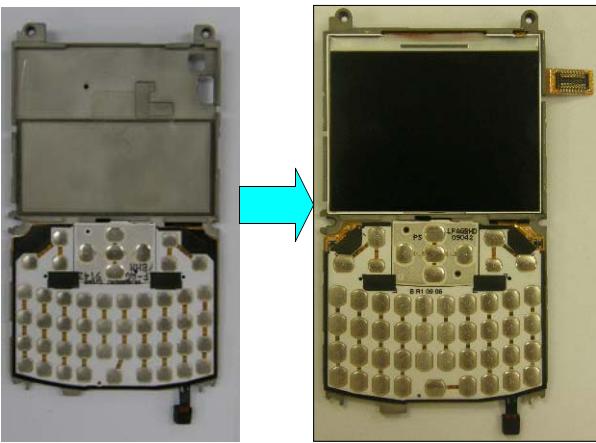
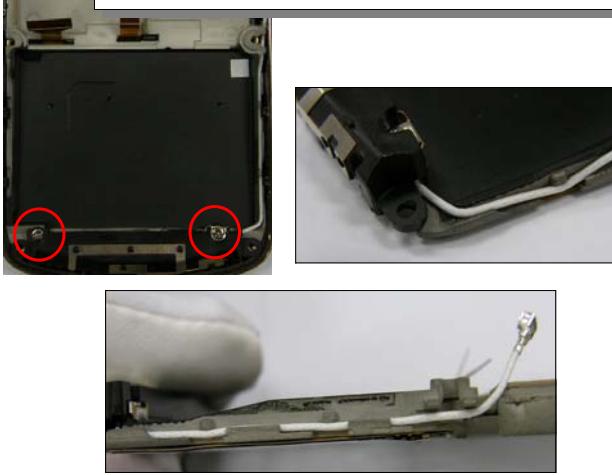
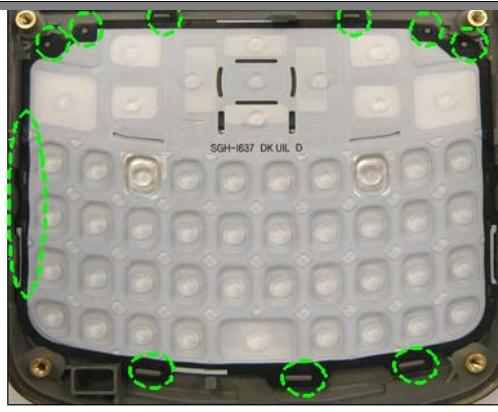
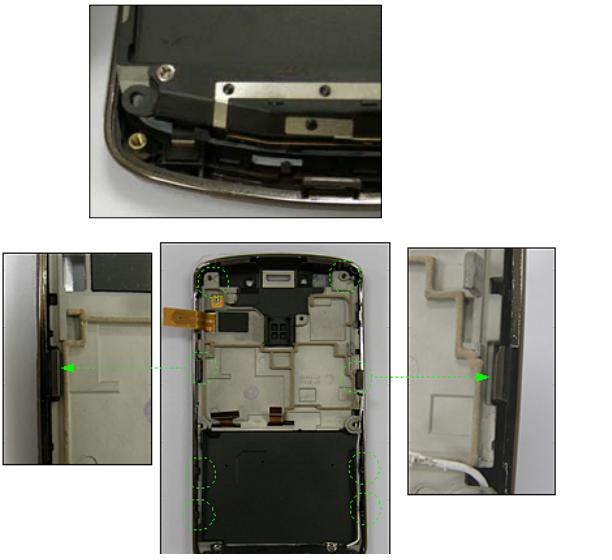
**\* Caution**

- 1) Be care of damage to slide F-CPB

**\* Caution**

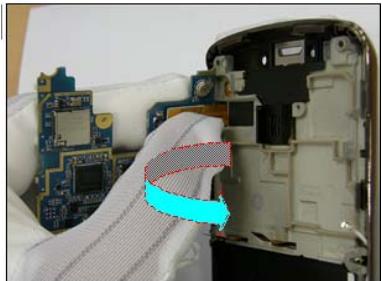
- 1) Be care of scratch and molding damage.

## 11-2. Assembly Instructions

<p><b>1</b></p> <p>1) Assemble the LCD module on the Bracket</p> 	<p><b>2</b></p> <p>1) Assemble the INTENNA 2) Assemble intenna screw 2 points. (torque: 1.0~1.2) 3) Put in bracket groove and arrange intenna cable.</p> 
<p><b>* Caution</b></p> <p>1) Be care of scratch to LCD</p>	<p><b>* Caution</b></p> <p>1) Be care of damage to intenna cable.</p>
<p><b>3</b></p> <p>1) Place key pad to FRONT.</p> 	<p><b>4</b></p> <p>1) After have inserteding MIC in first of all FRONT groove, place bracket A'ssy to FRONT.</p> 
<p><b>* Caution</b></p> <p>1) Be care of scratch and molding damage.</p>	<p><b>* Caution</b></p> <p>1) Be care of scratch and molding damage. 2) Be care of damage to the F-CPB.</p>

5

- 1) After standing PBA vertically, assemble LCD connector.
- 2) After pushing PBA inside fixation hook of bracket, fix to bracket.



6

- 1) assemble the key FPCB from connector.
- 2) assemble the Intena cable from connector.

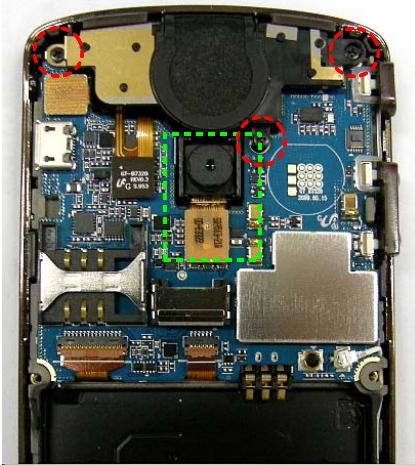


**\* Caution**

- 1) Be care of scratch and molding damage.
- 2) Be care of damage to slide F-CPB.

7

- 1) assemble the MEGA Camera
- 2) Place speaker, and assemble speaker screw
- 3 points.(torque 0.7~0.9)



8

- 1) assemble the CIF Camera connector.
- 2) assemble the SPEAKER connector.



**\* Caution**

- 1) Be care of scratch and molding damage.

**\* Caution**

- 1) Be care of damage to slide F-CPB

9

1) Assemble SIDE key.



10

1) Assemble the REAR to the FRONT ass'y  
( 1 → 2 → 3 → 4 → 5 )

**\* Caution**

1) Be care of scratch and molding damage.

11

1) Assemble REAR screw 4 points.  
(torque 1.0~1.2)



1) Be care of scratch and molding damage.

**\* Caution**

1) Be care of scratch and molding damage.

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