

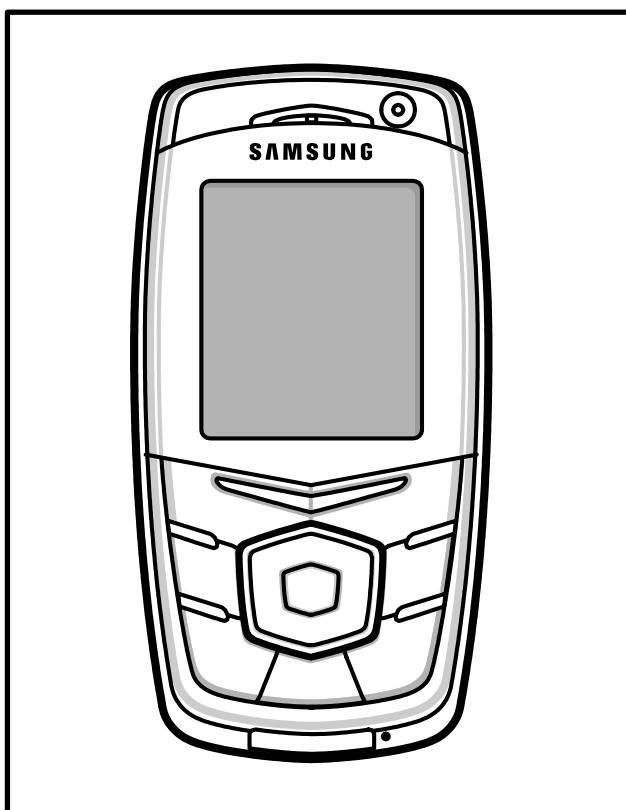
SAMSUNG

UMTS TELEPHONE

SGH-Z320i

SERVICE *Manual*

UMTS TELEPHONE



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1. SGH-Z320i Specification

1-1. GSM/WCDMA General Specification

	EGSM 900 Phase 2	DCS1800 Phase 1	PCS1900	WCDMA
Freq. Band[MHz] Uplink/Downlink	880~915 925~960	1710~1785 1805~1880	1850~1910 1930~1990	1920~1980 2110~2170
ARFCN range	0~124 & 975~1023	512~885	512~810	10562~10838
Tx/Rx spacing	45MHz	95MHz	80MHz	190MHz
Mod. Bit rate/ Bit Period	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us	3.84Mcps/s
Time Slot Period/Frame Period	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms	10ms
Modulation	0.3GMSK	0.3GMSK	0.3GMSK	UL:2BPSK DL:QPSK
MS Power	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm	MAX:24(+1,-3)dBm MIN:<-50dBm
Power Class	5pcl ~ 19pcl	0pcl ~ 15pcl	0pcl ~ 15pcl	CLASS3
Sensitivity	-102dBm	-100dBm	-100dBm	-106.7dBm
TDMA Mux	8	8	8	-
Cell Radius	35Km	2Km	-	-

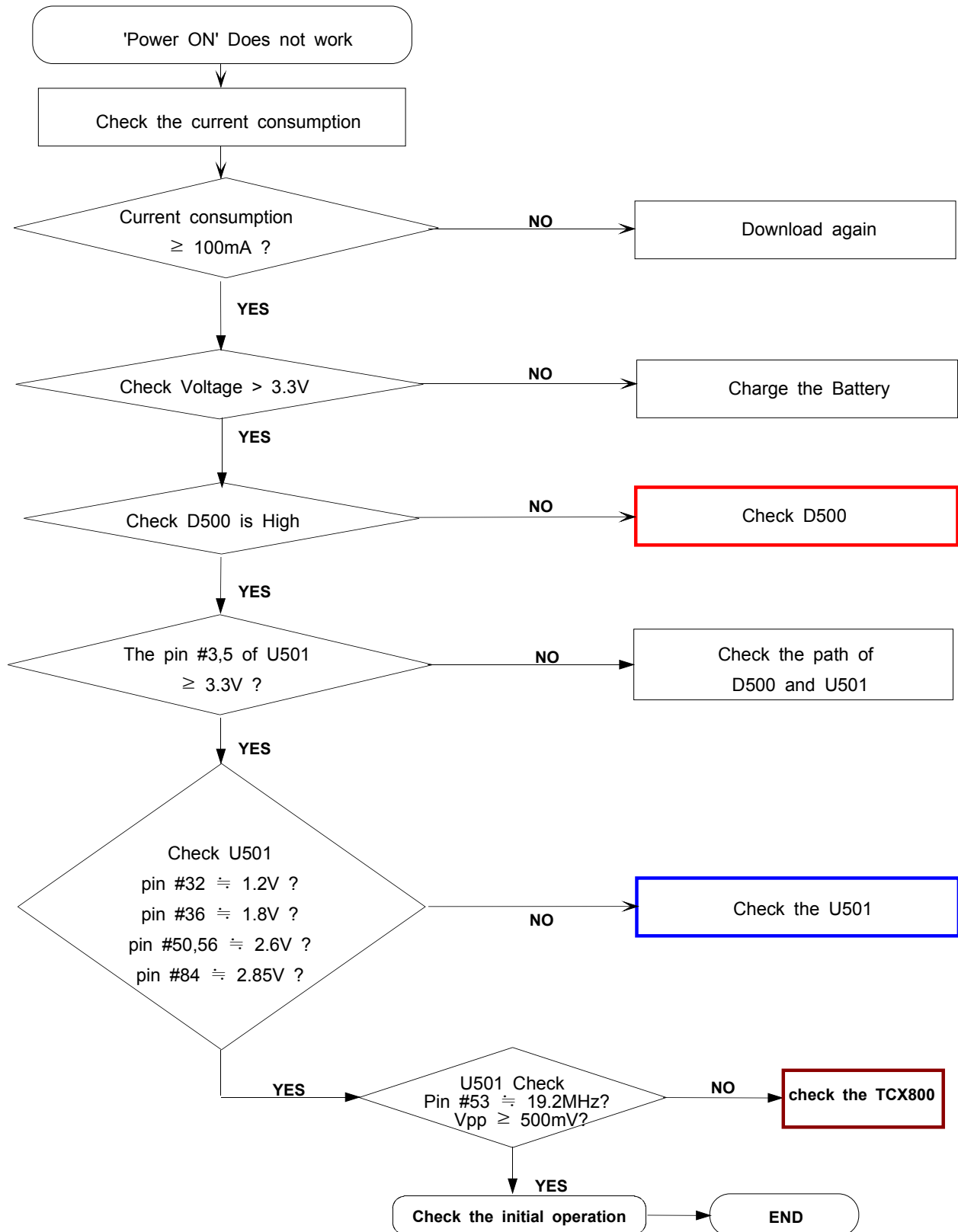
1-2. GSM TX power class

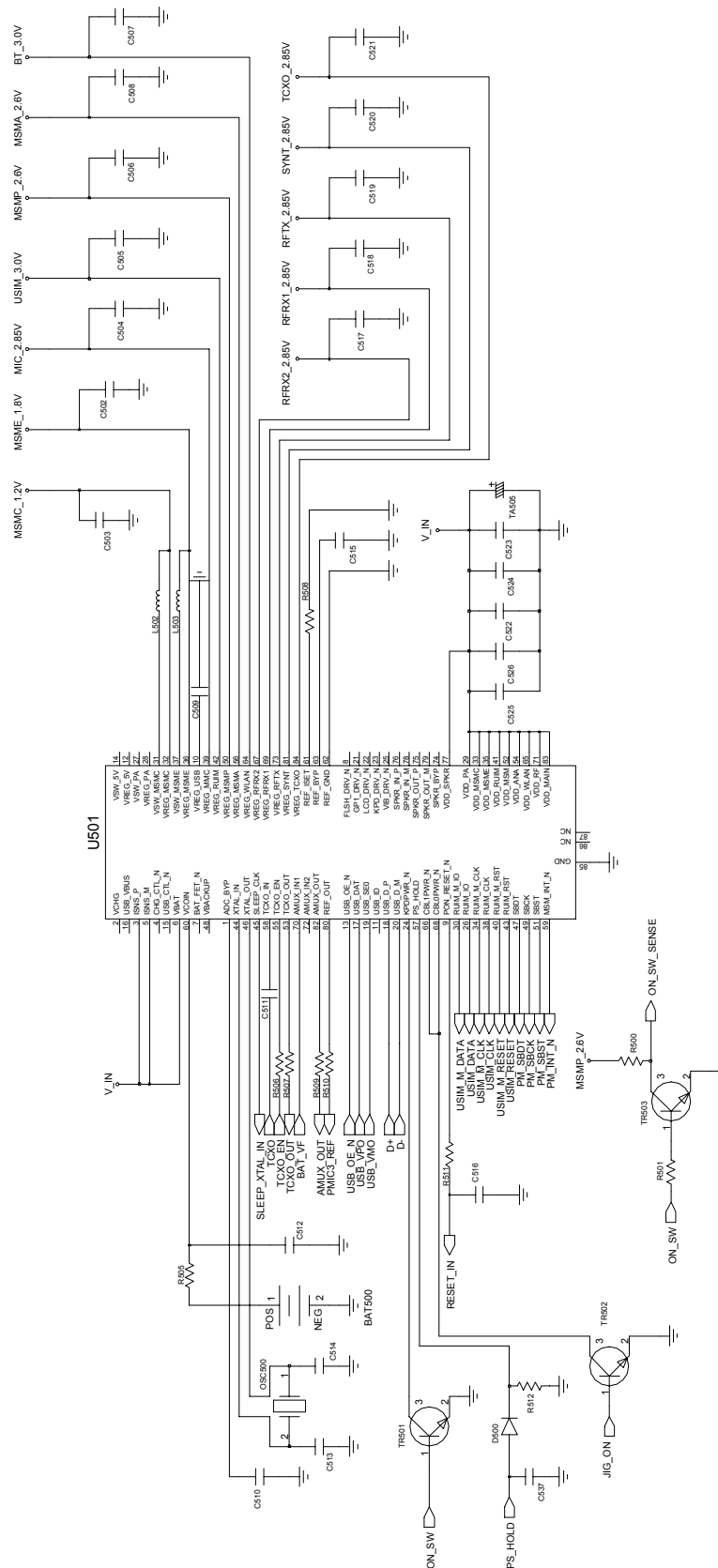
TX Power control level	EGSM900	TX Power control level	DCS1800	TX Power control level	PCS1900
5	33±2 dBm	0	30±3 dBm	0	30±3 dBm
6	31±2 dBm	1	28±3 dBm	1	28±3 dBm
7	29±2 dBm	2	26±3 dBm	2	26±3 dBm
8	27±2 dBm	3	24±3 dBm	3	24±3 dBm
9	25±2 dBm	4	22±3 dBm	4	22±3 dBm
10	23±2 dBm	5	20±3 dBm	5	20±3 dBm
11	21±2 dBm	6	18±3 dBm	6	18±3 dBm
12	19±2 dBm	7	16±3 dBm	7	16±3 dBm
13	17±2 dBm	8	14±3 dBm	8	14±3 dBm
14	15±2 dBm	9	12±4 dBm	9	12±4 dBm
15	13±2 dBm	10	10±4 dBm	10	10±4 dBm
16	11±3 dBm	11	8±4 dBm	11	8±4 dBm
17	9± 3dBm	12	6±4 dBm	12	6±4 dBm
18	7±3 dBm	13	4±4 dBm	13	4±4 dBm
19	5±3 dBm	14	2±5 dBm	14	2±5 dBm
		15	0±5 dBm	15	0±5 dBm

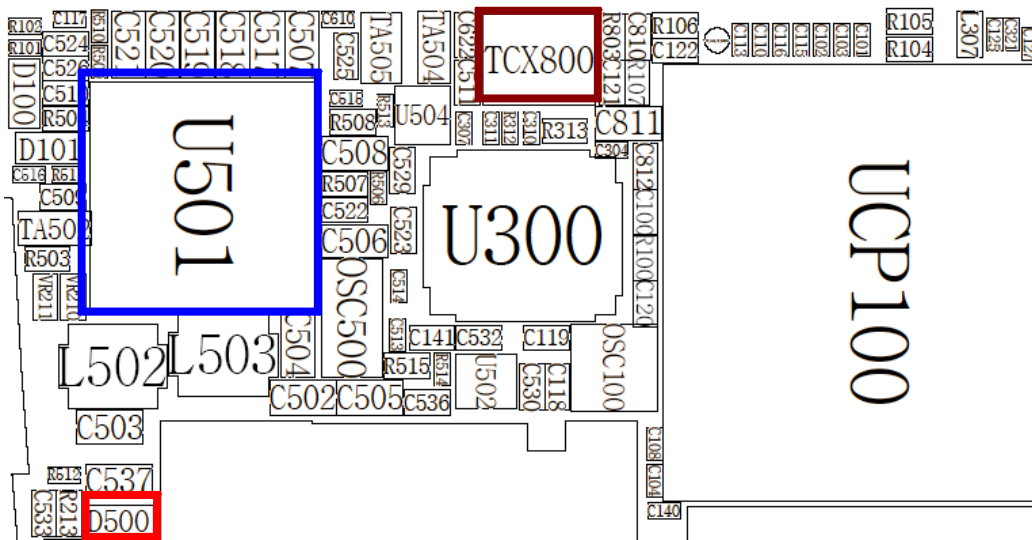
2. SGH-Z320i Flow Chart of Troubleshooting

2-1. Baseband

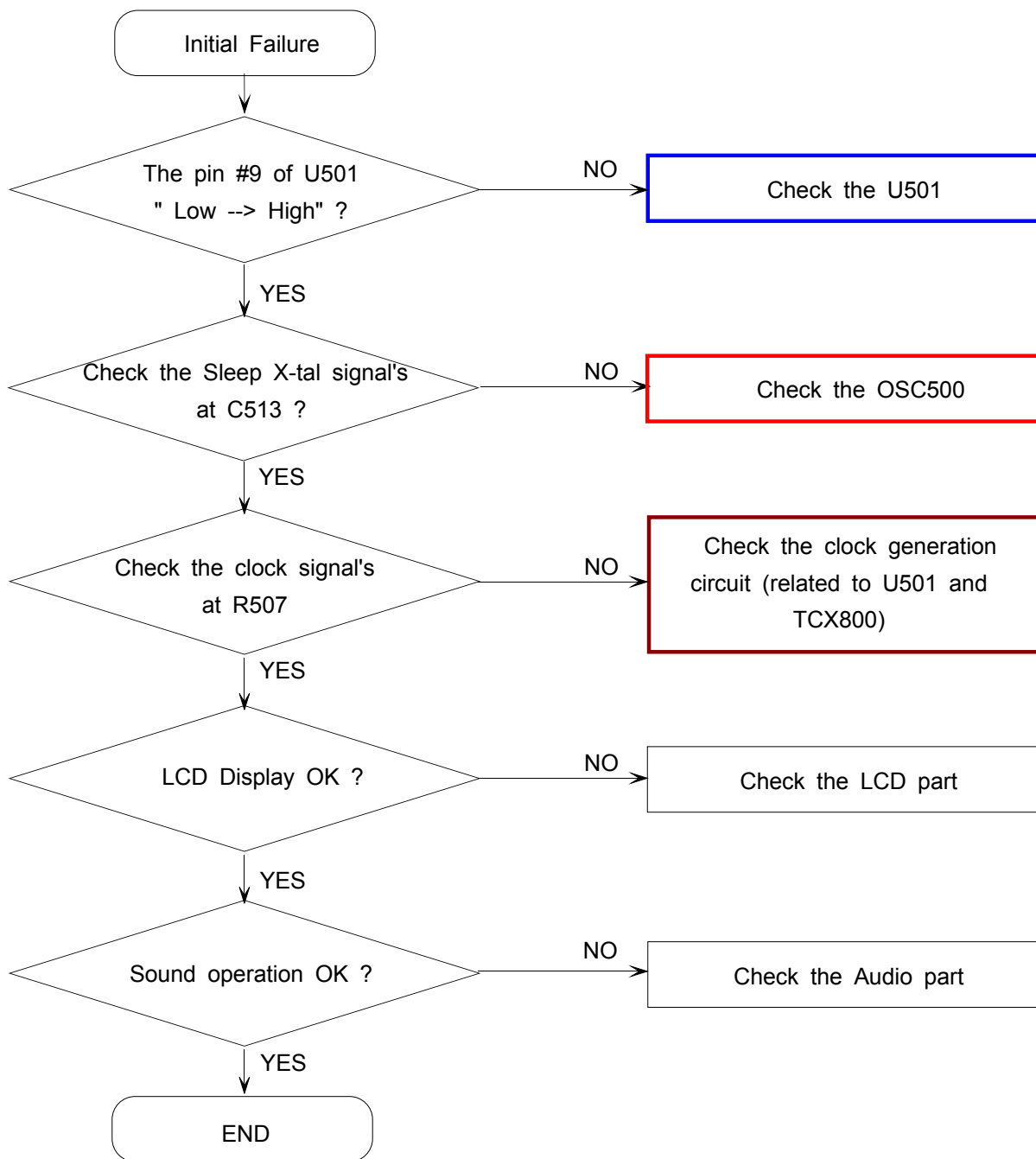
2-1-1. Power ON



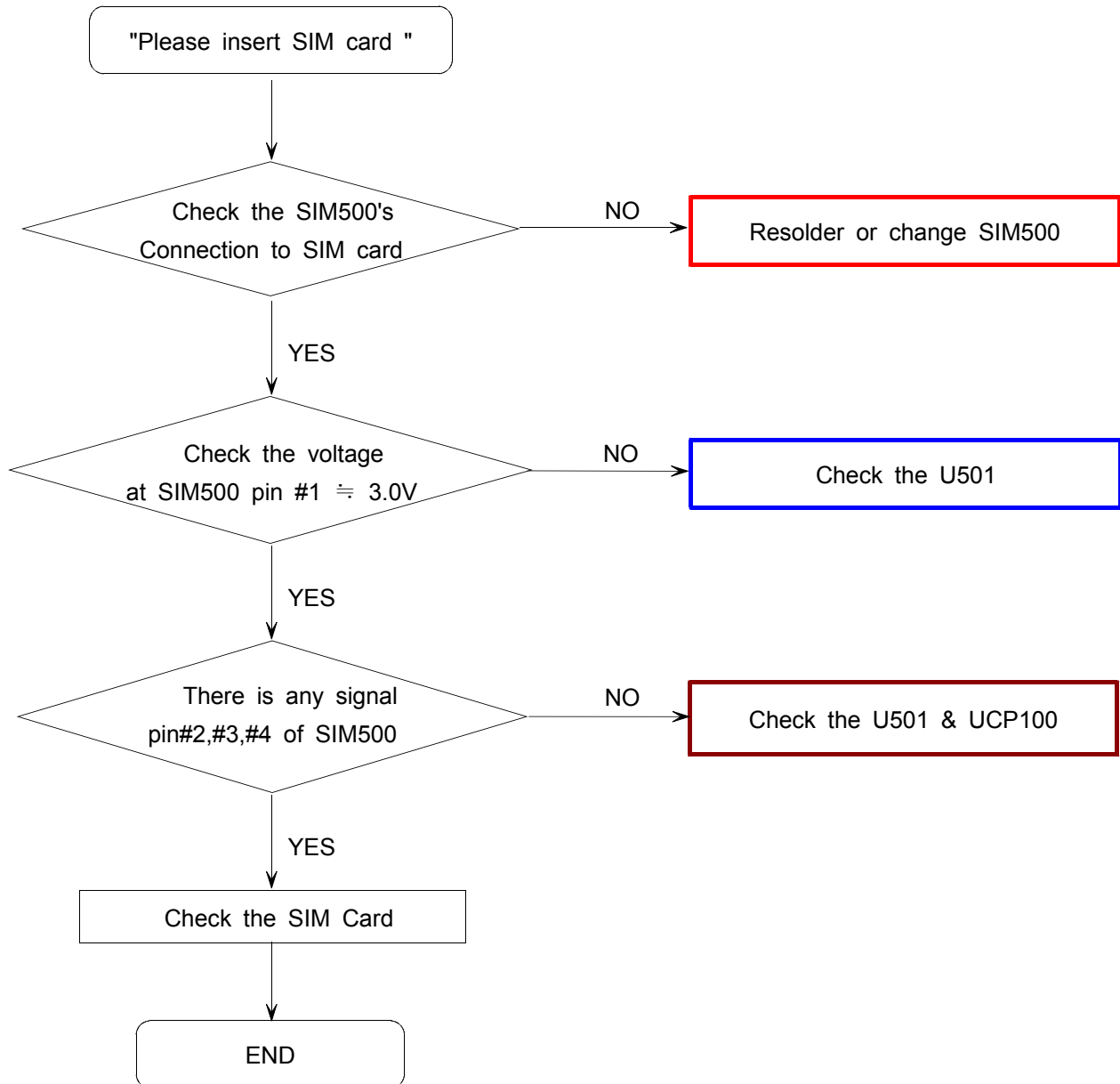




2-1-2. System Initial

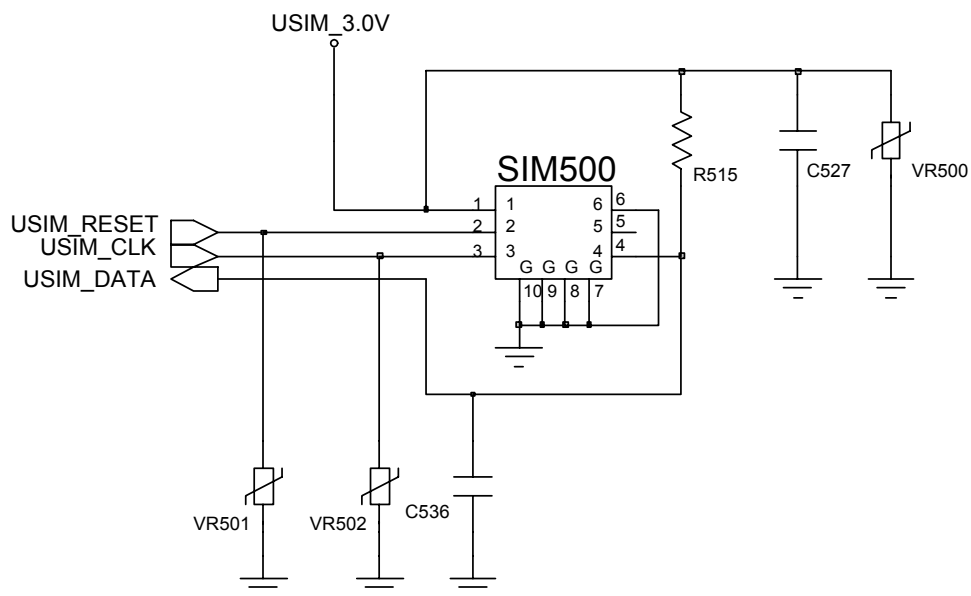


3. SIM Part

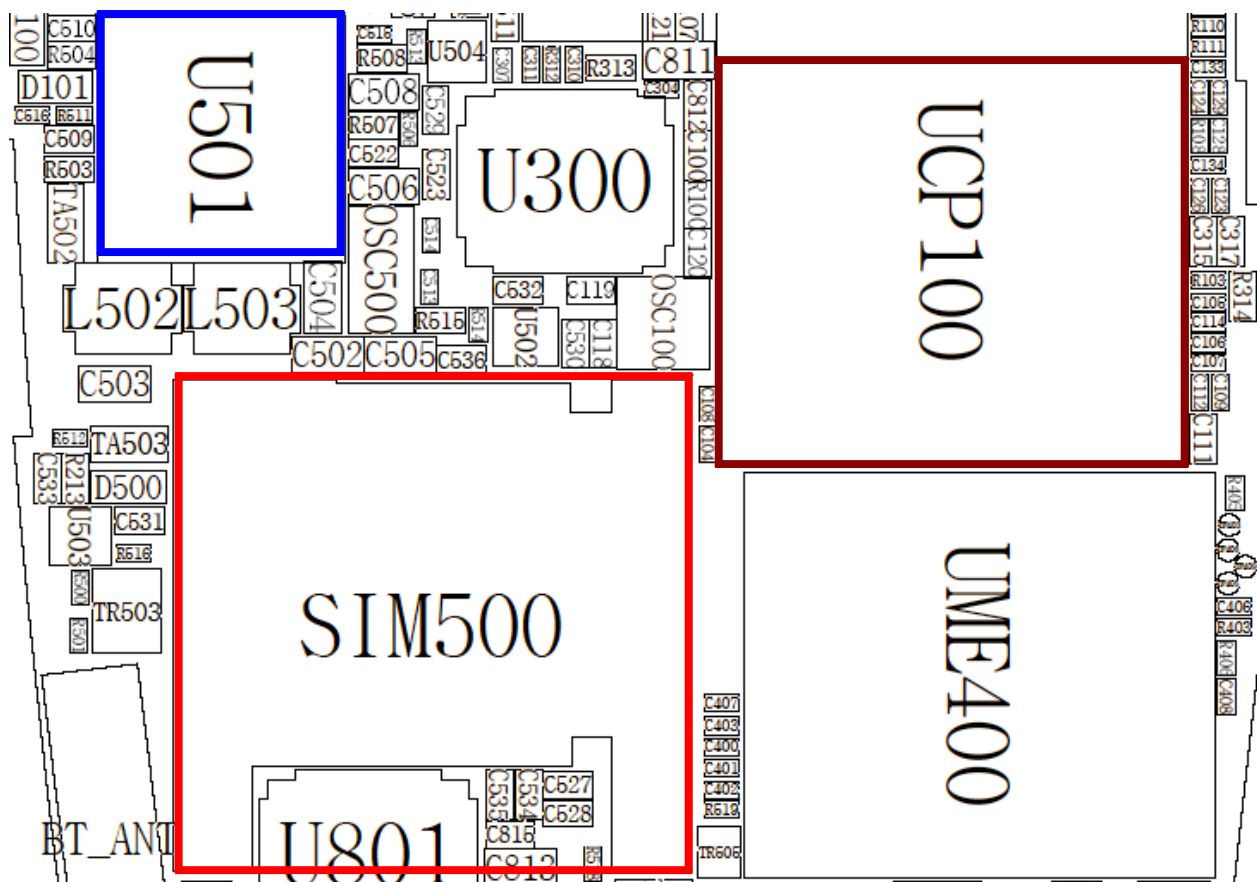


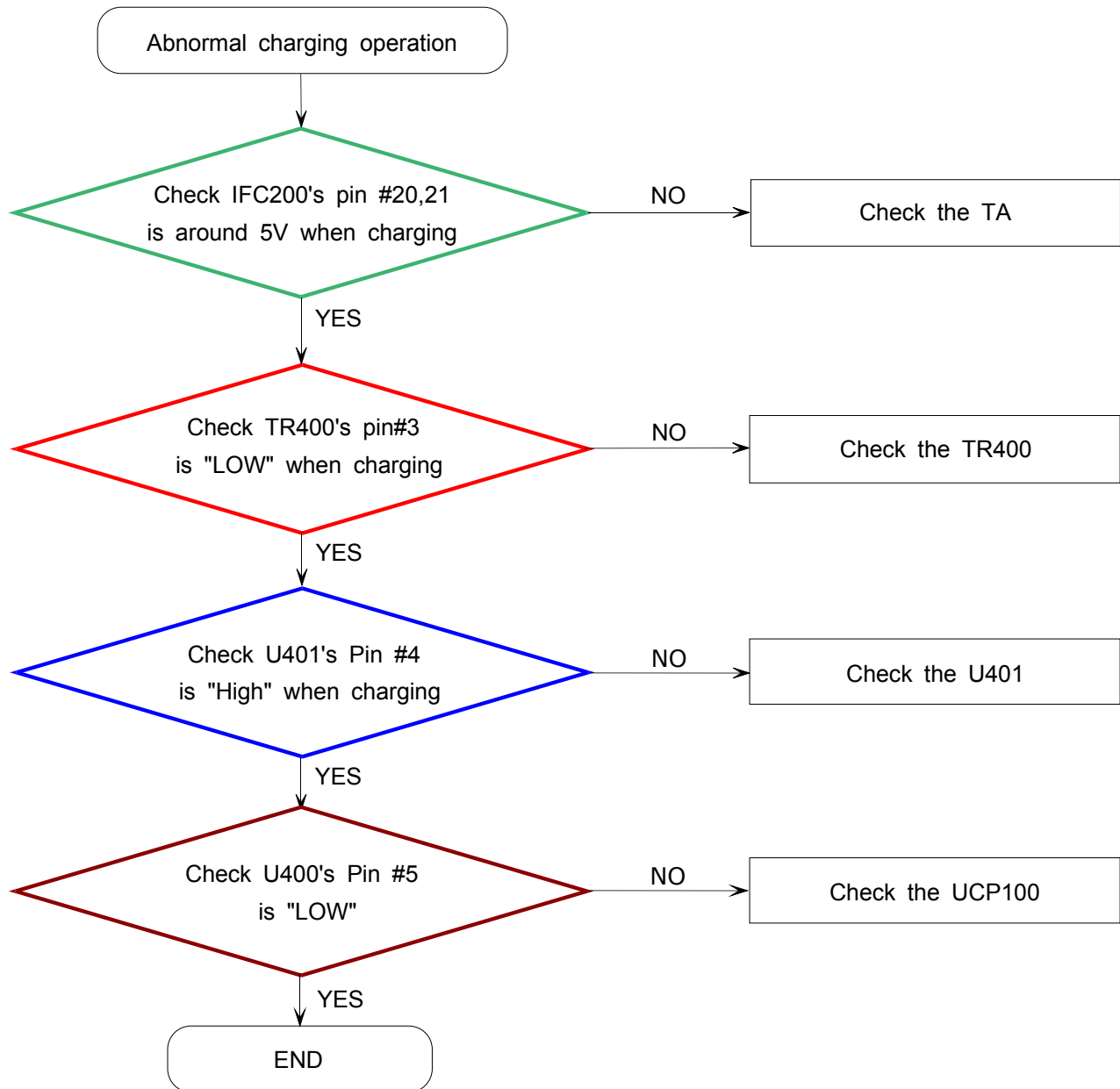
** Check SIM's signal
when you see SIM checking display

- Schmatic for SIM connection

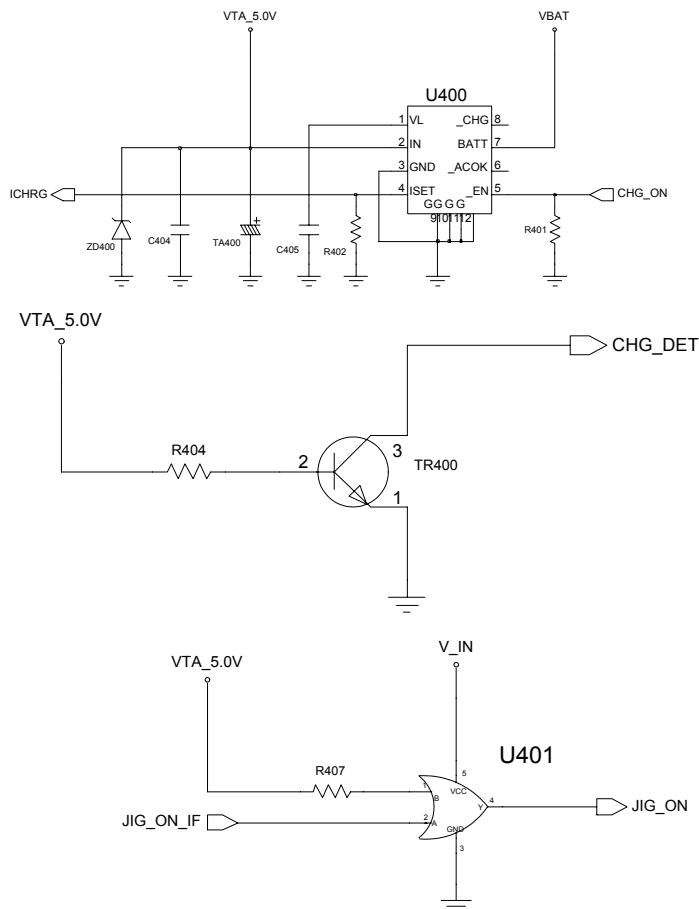


- Layout for SIM connection

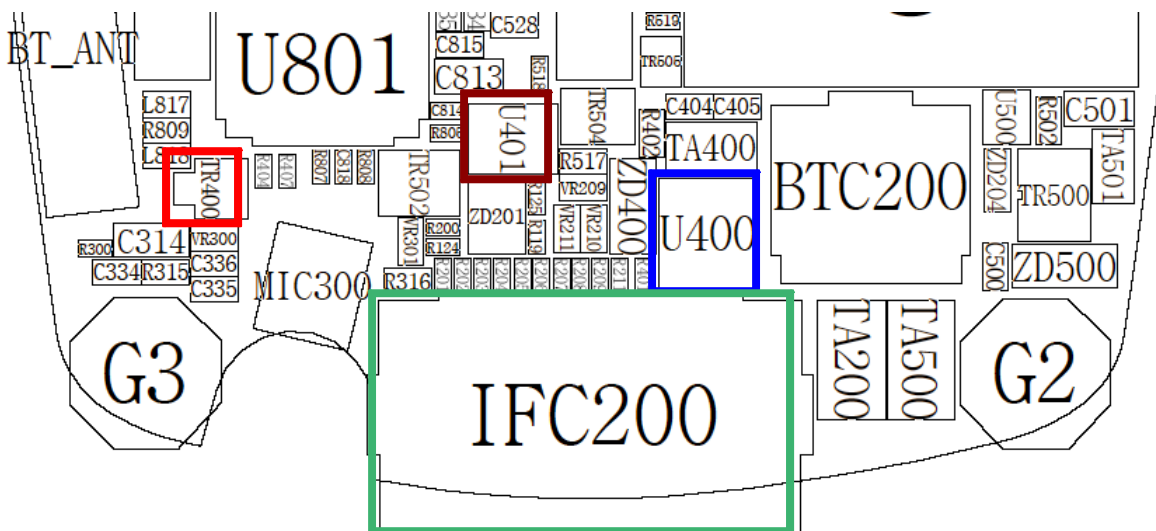


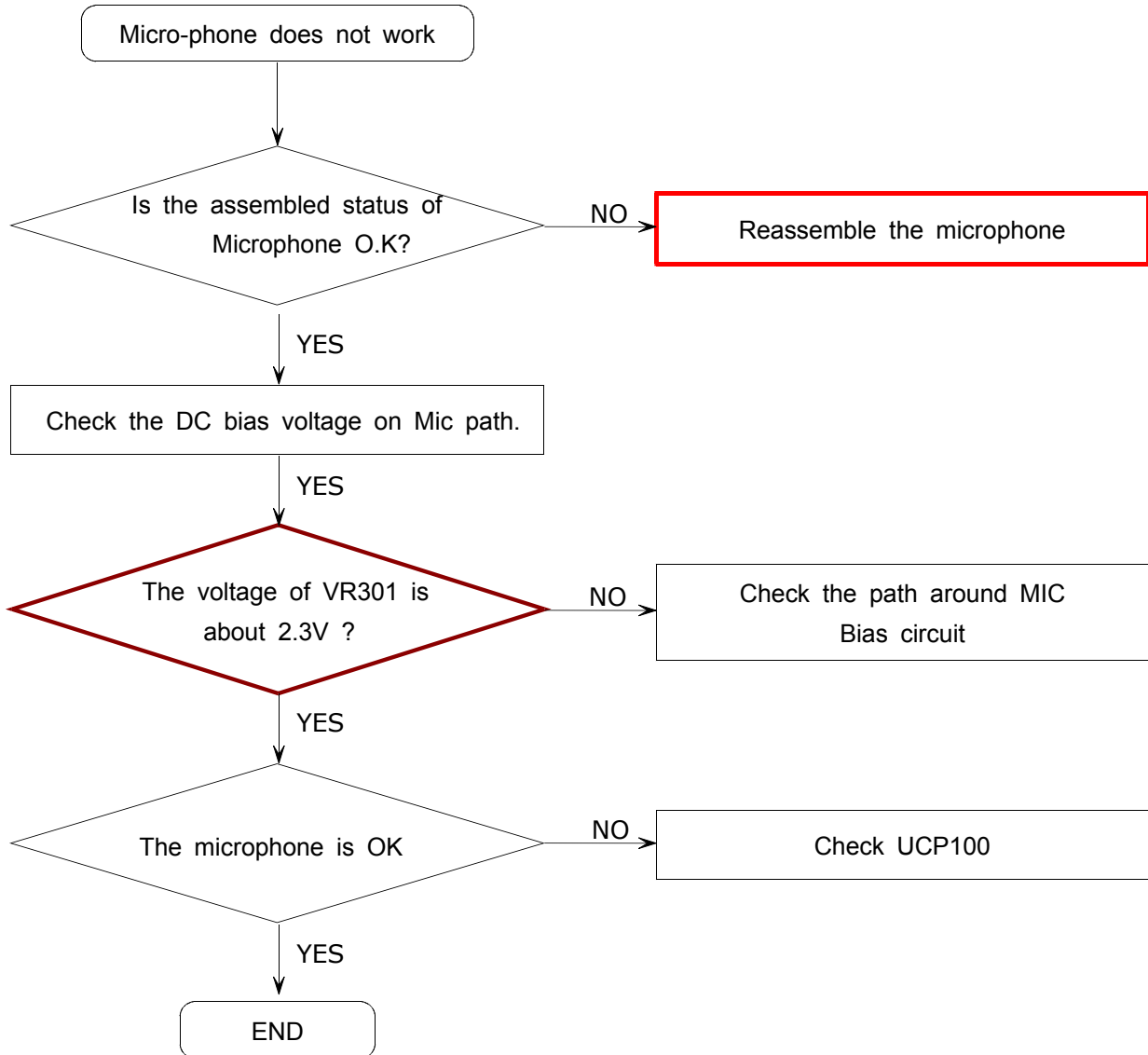
2-1-4. Charging Part

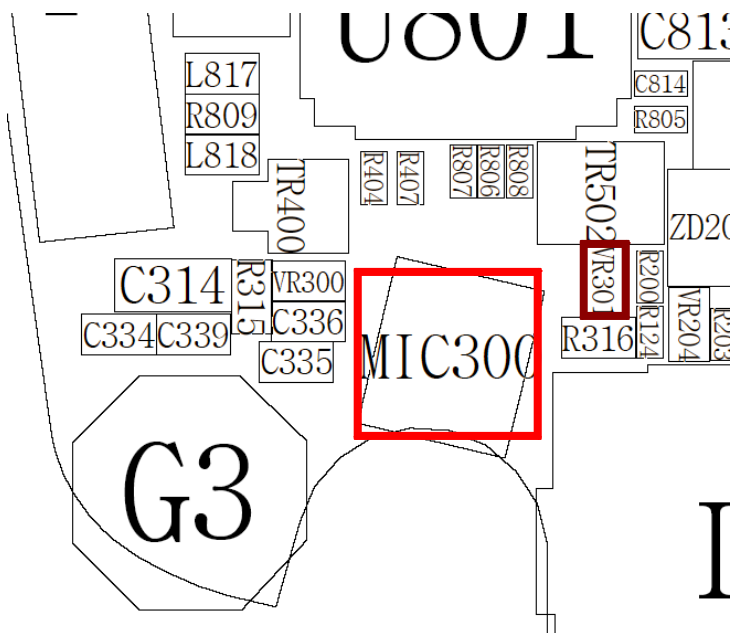
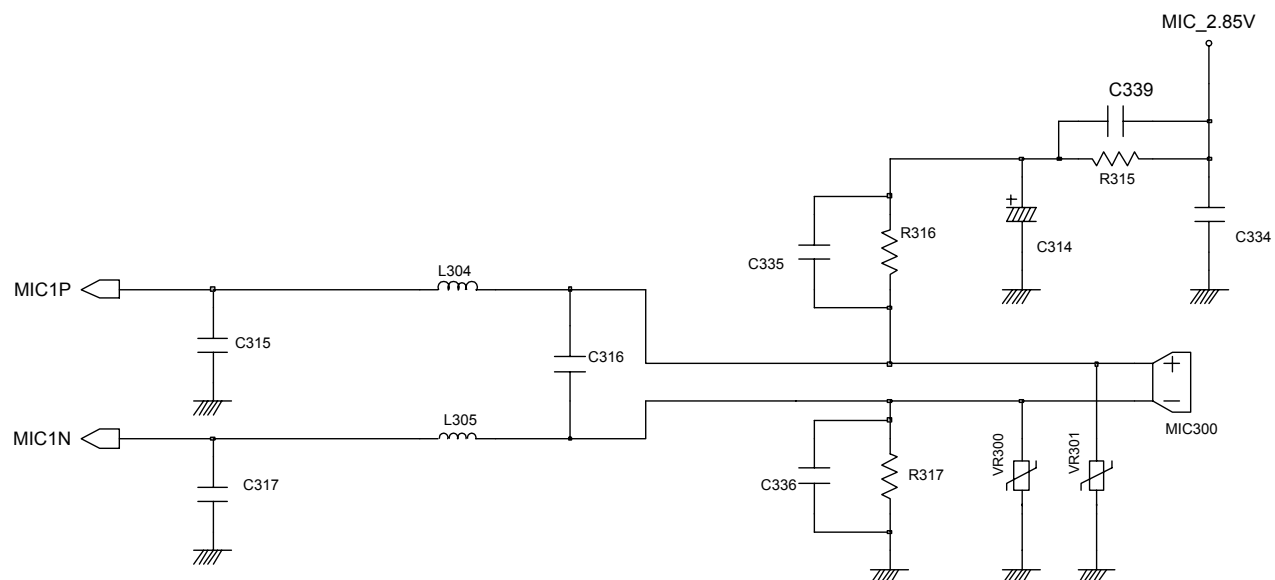
- Schmatic for Charging

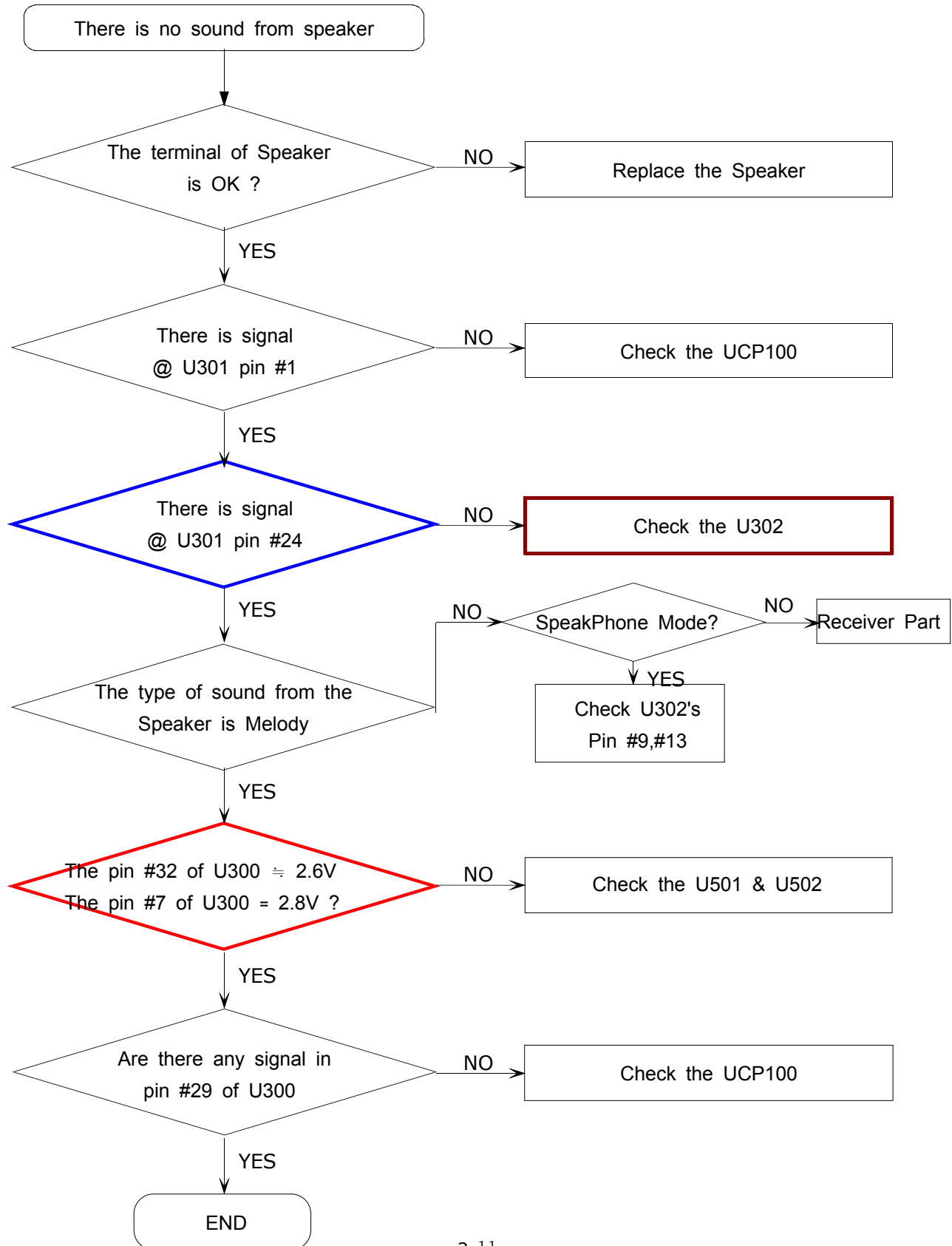


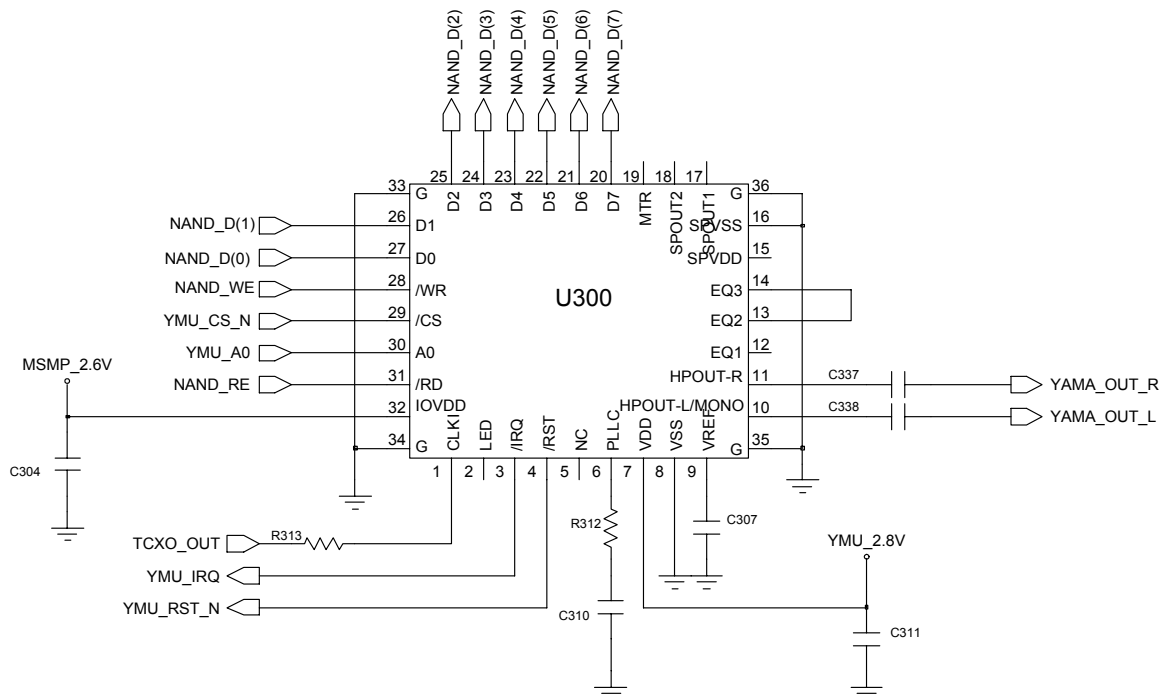
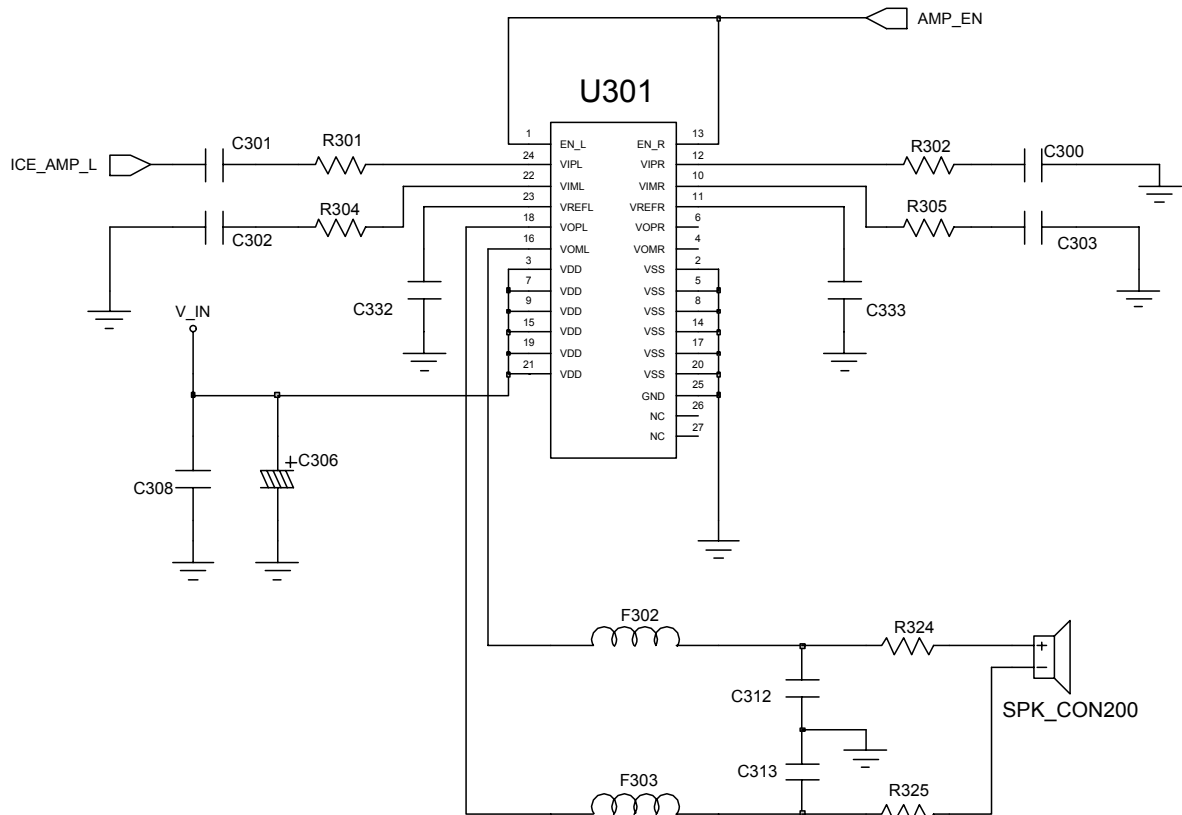
- Layout for charging

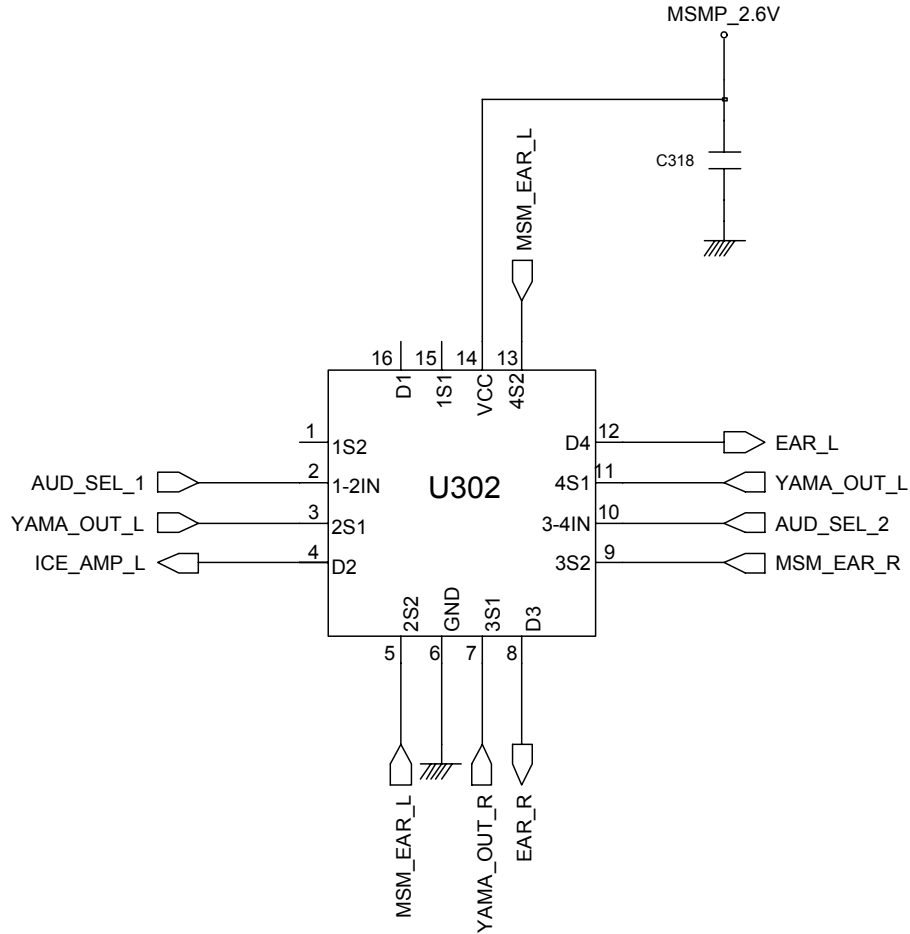


2-1-5. Microphone Part

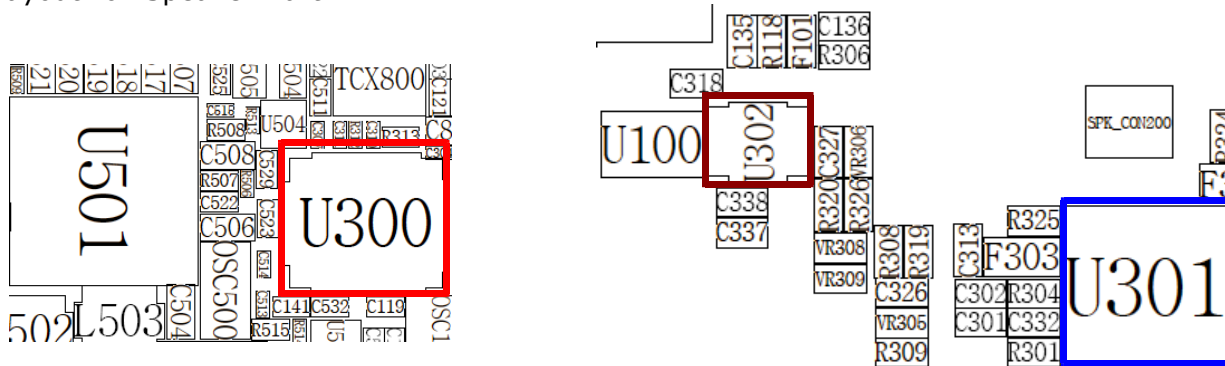


2-1-6. Speaker Part

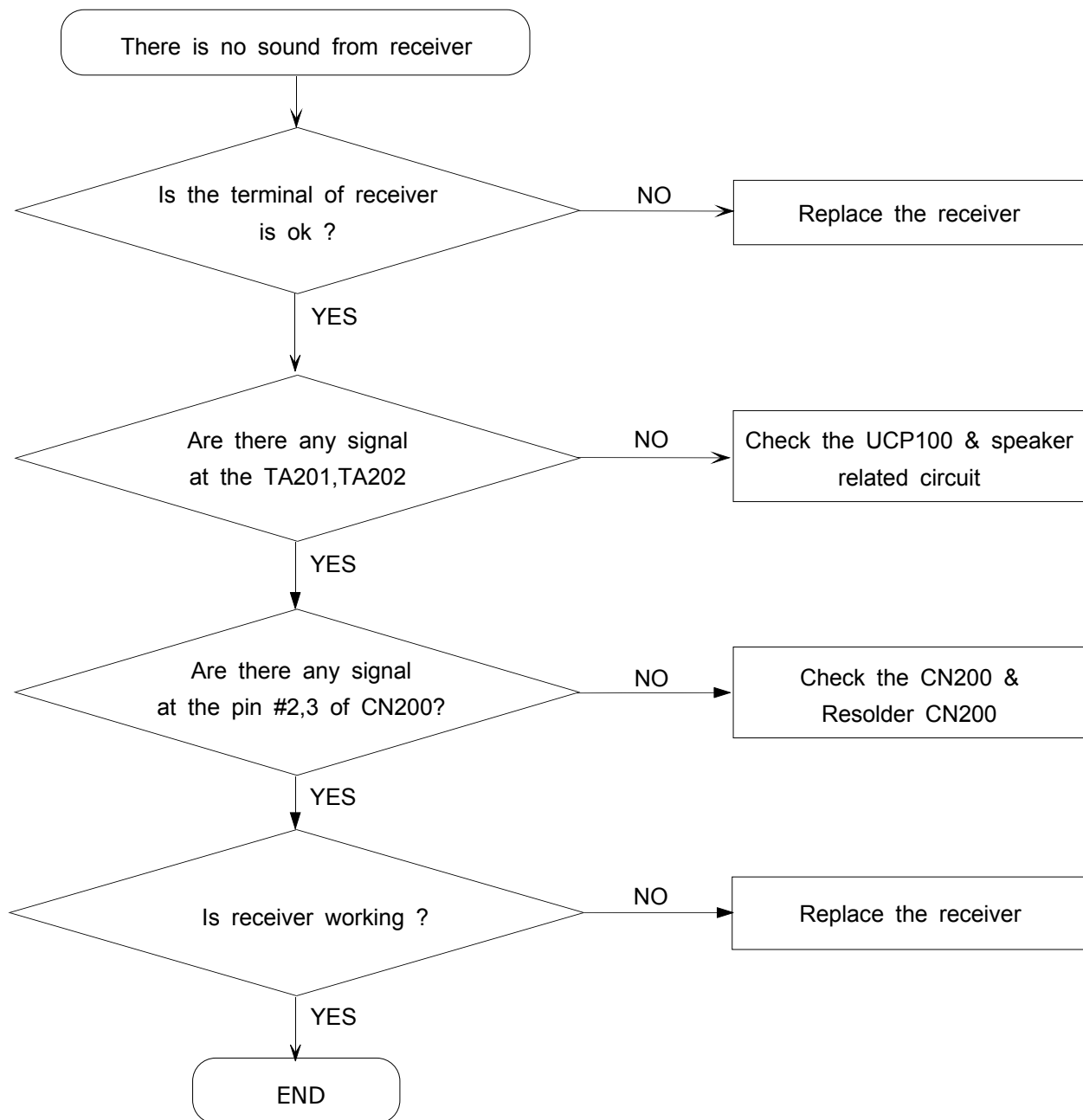


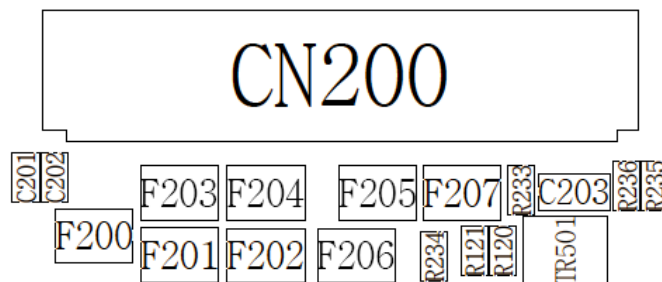
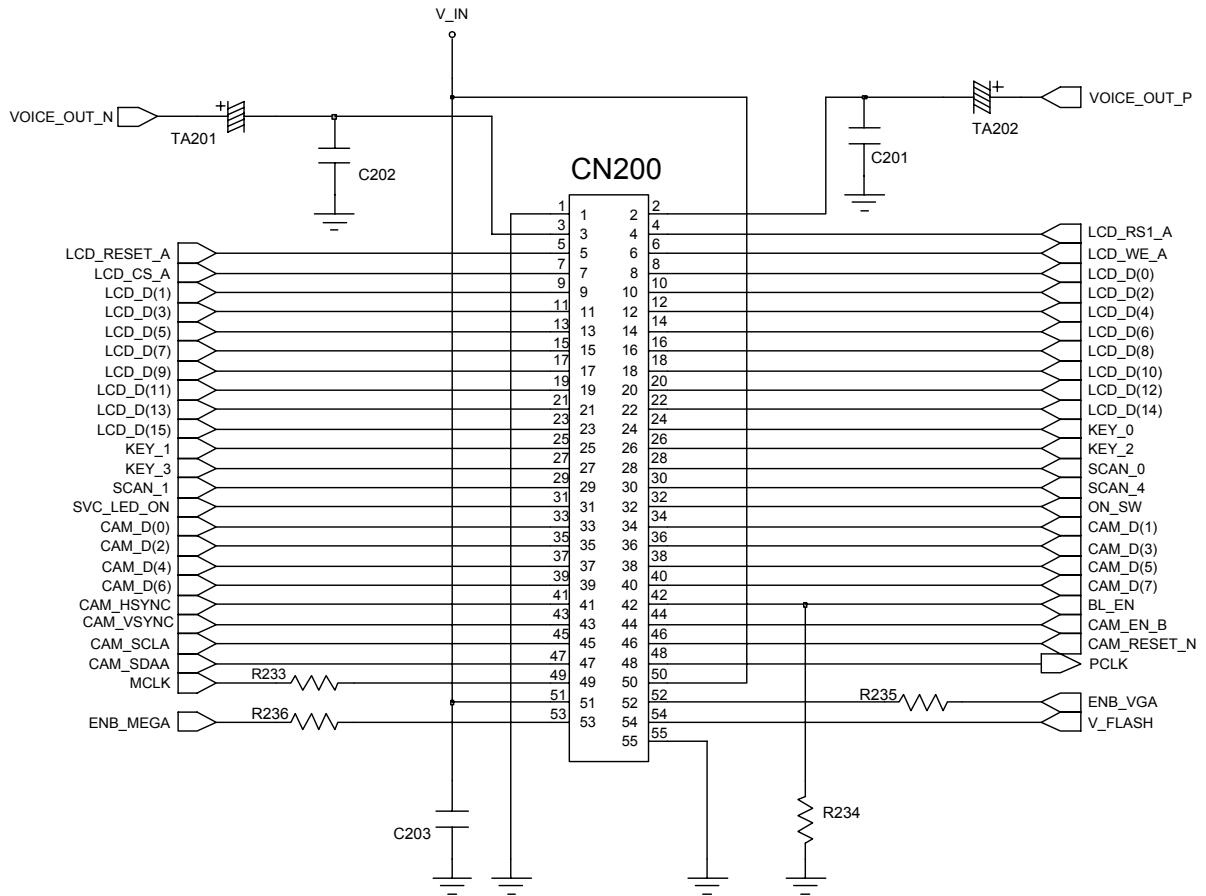


- Layout for Speaker Part

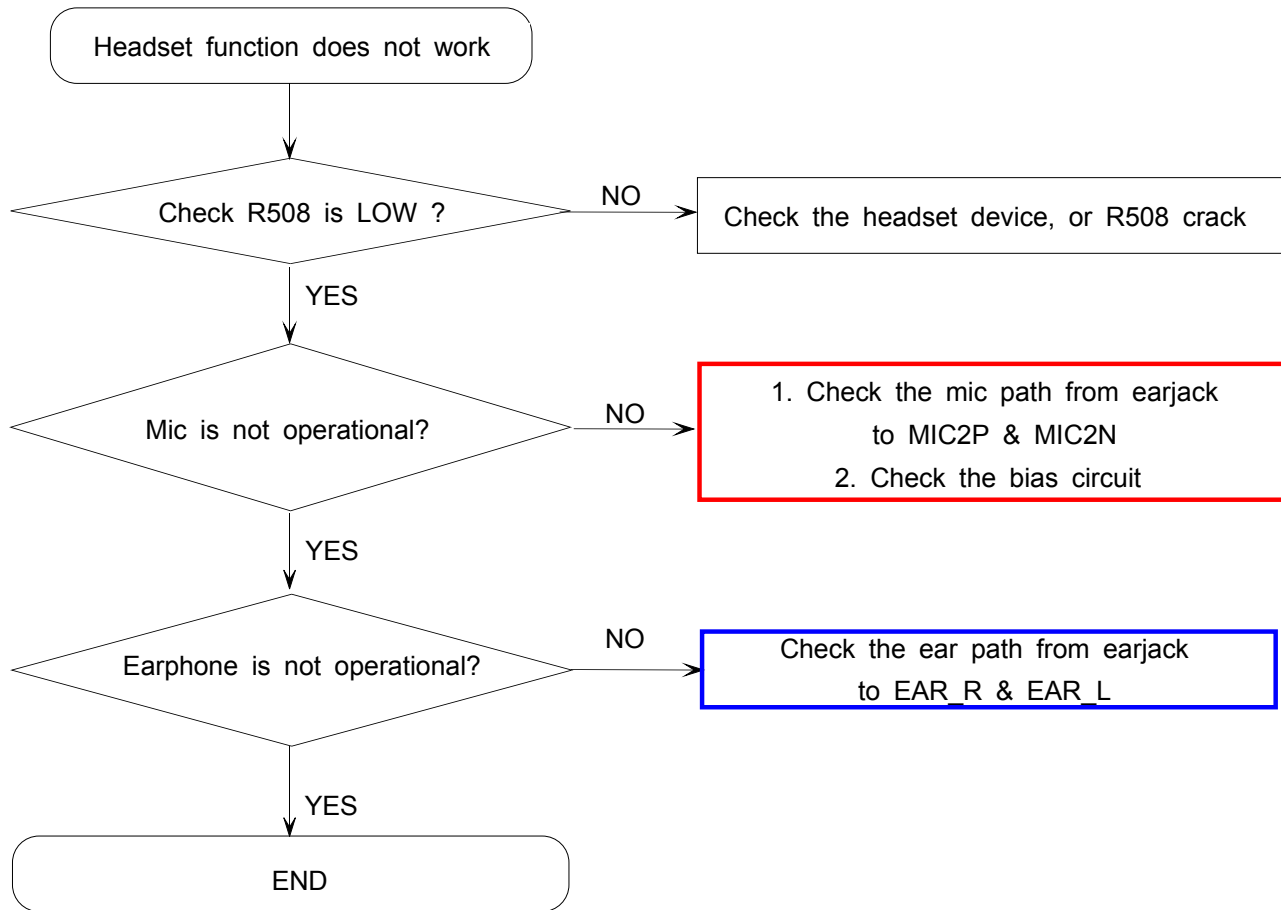


2-1-7. Receiver Part

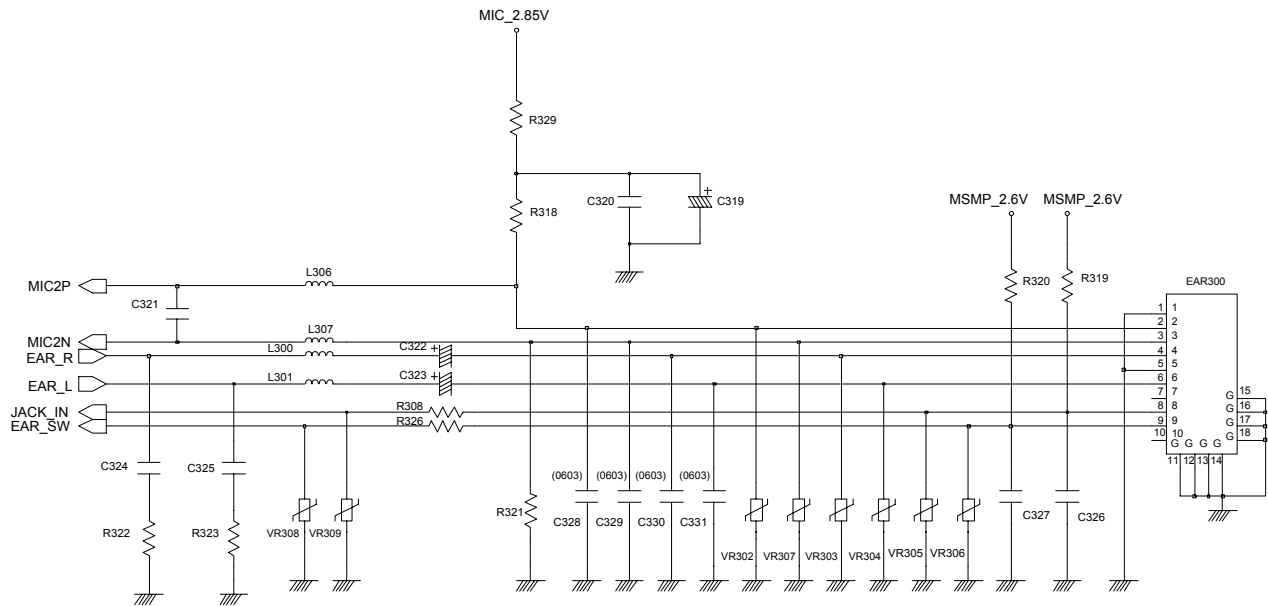




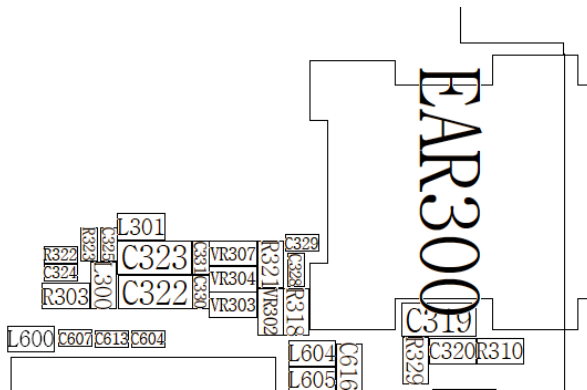
2-1-8. Headset Part



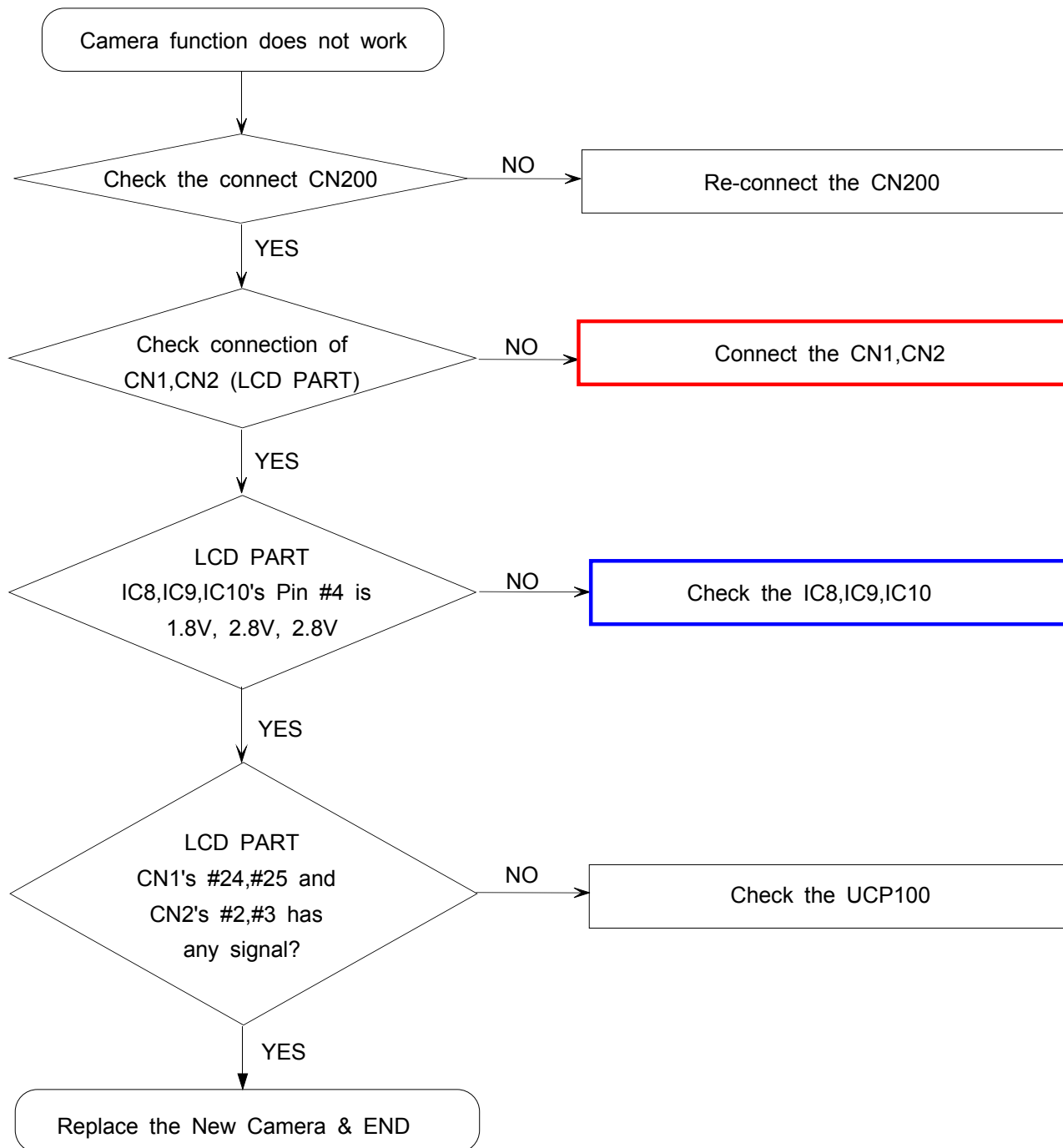
- Schmatic for Earmic



- Layout for Earmic

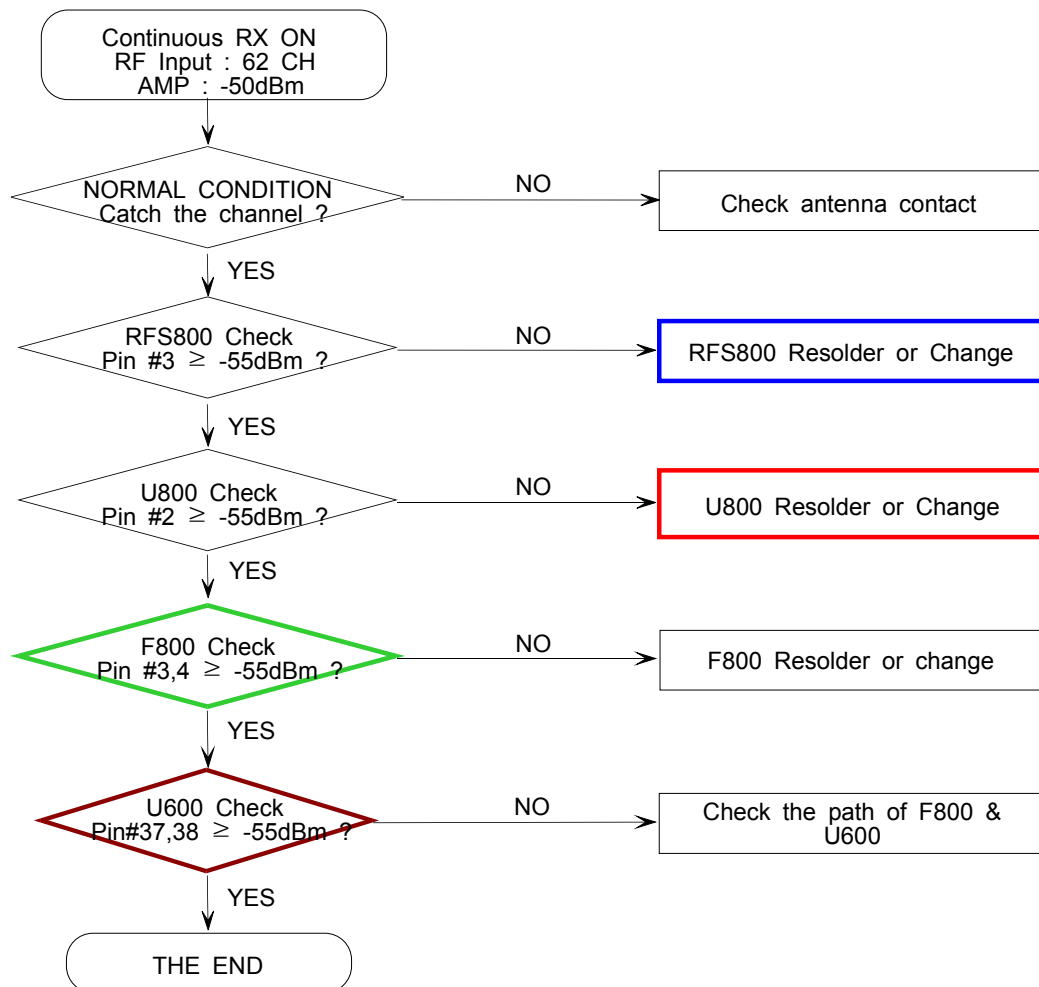


2-1-9. Camera Part (Mega and VGA)

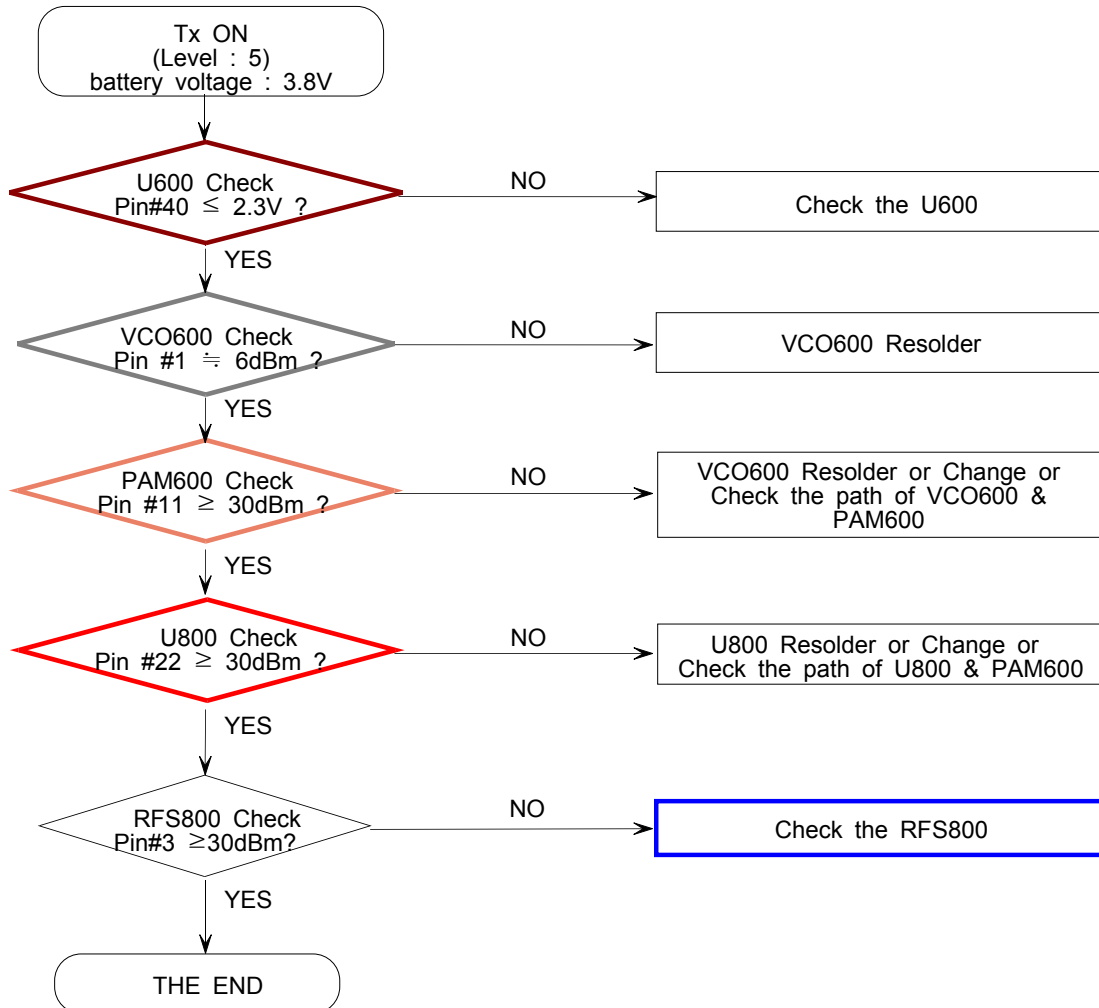


2-2.RF

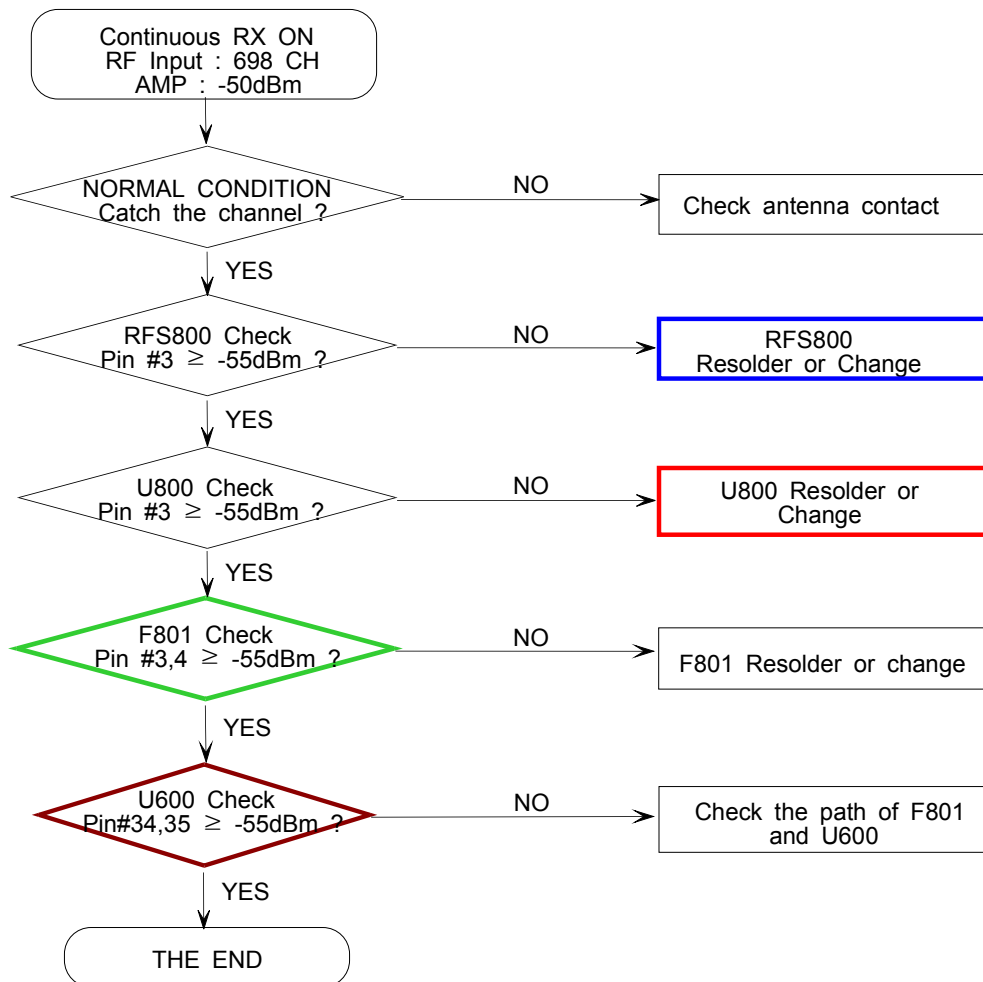
2-2-1. EGSM Receiver

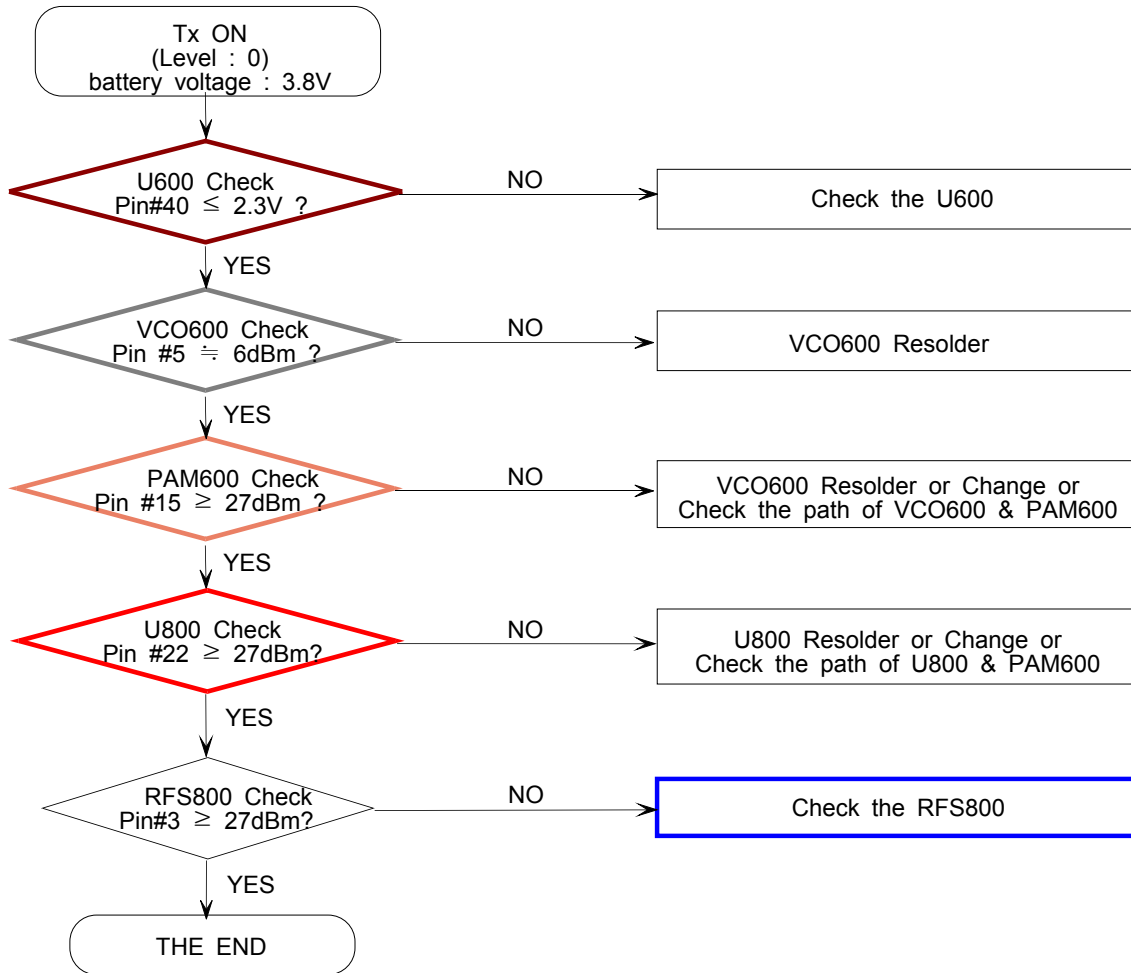


2-2-2. EGSM Transmitter

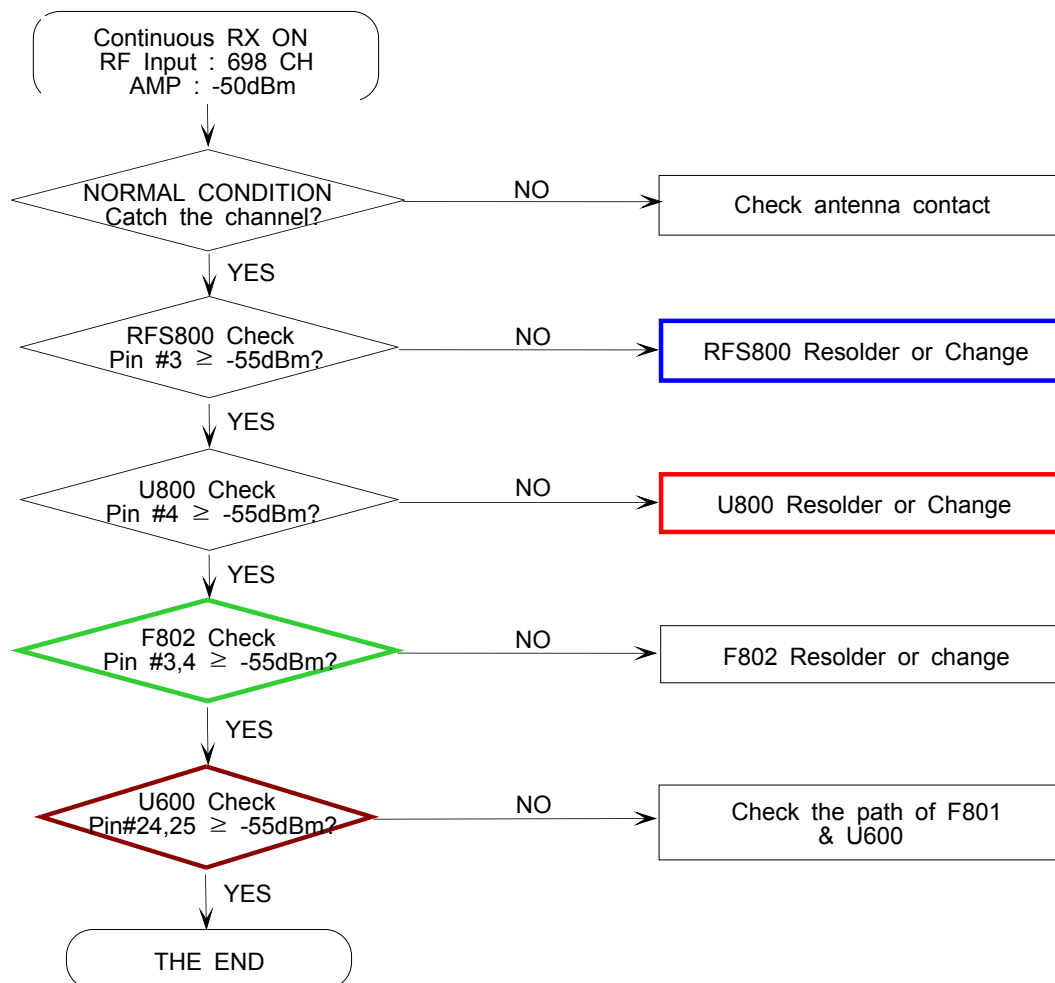


2-2-3. DCS Receiver

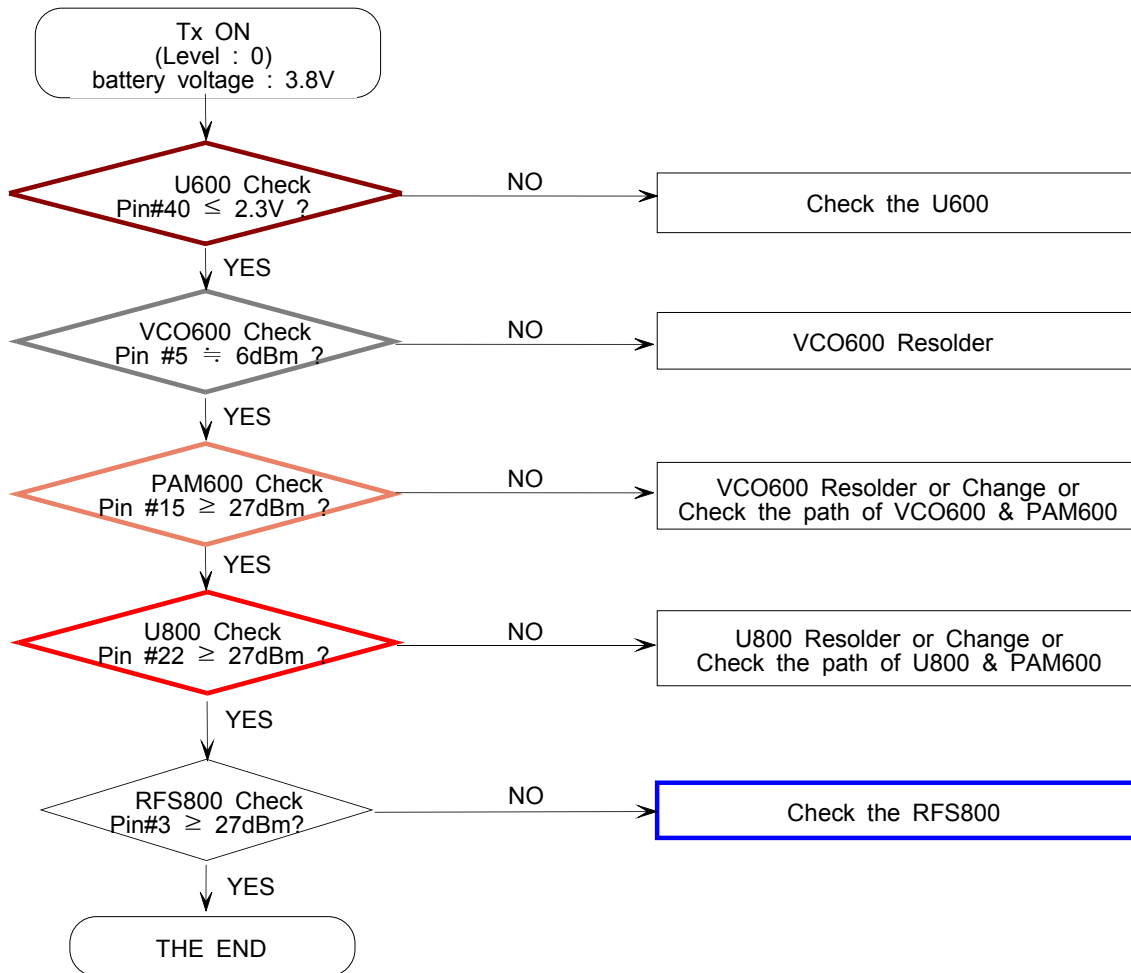


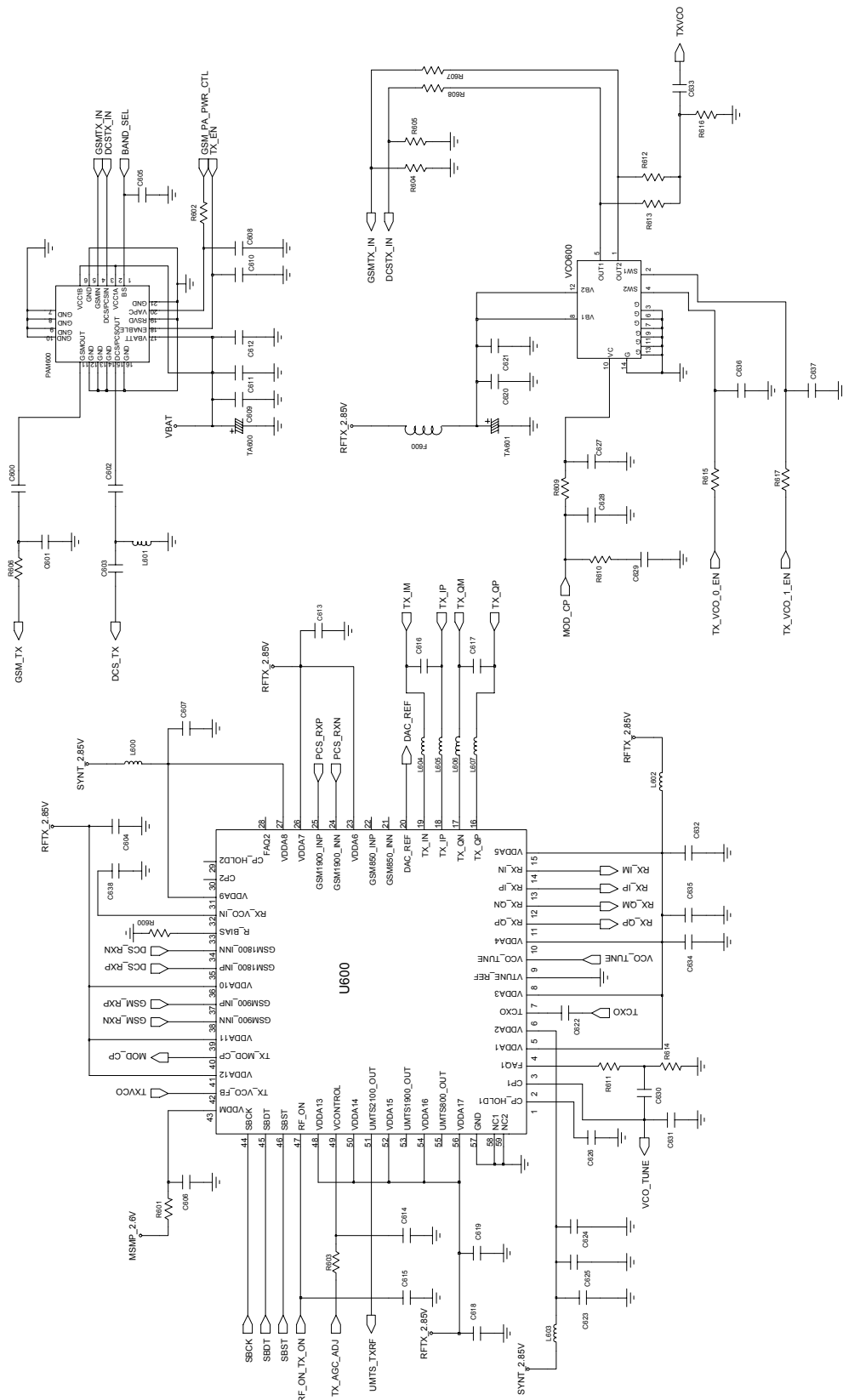
2-2-4. DCS Transmitter

2-2-5. PCS Receiver

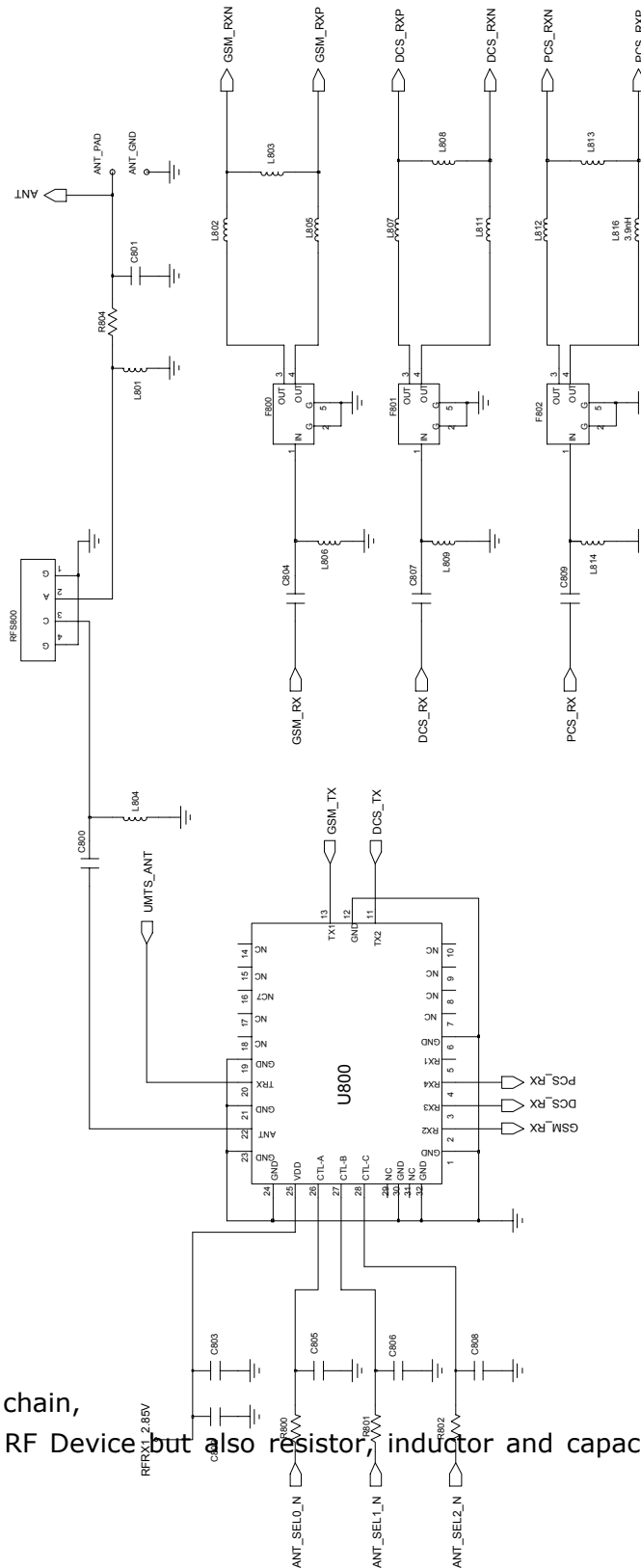


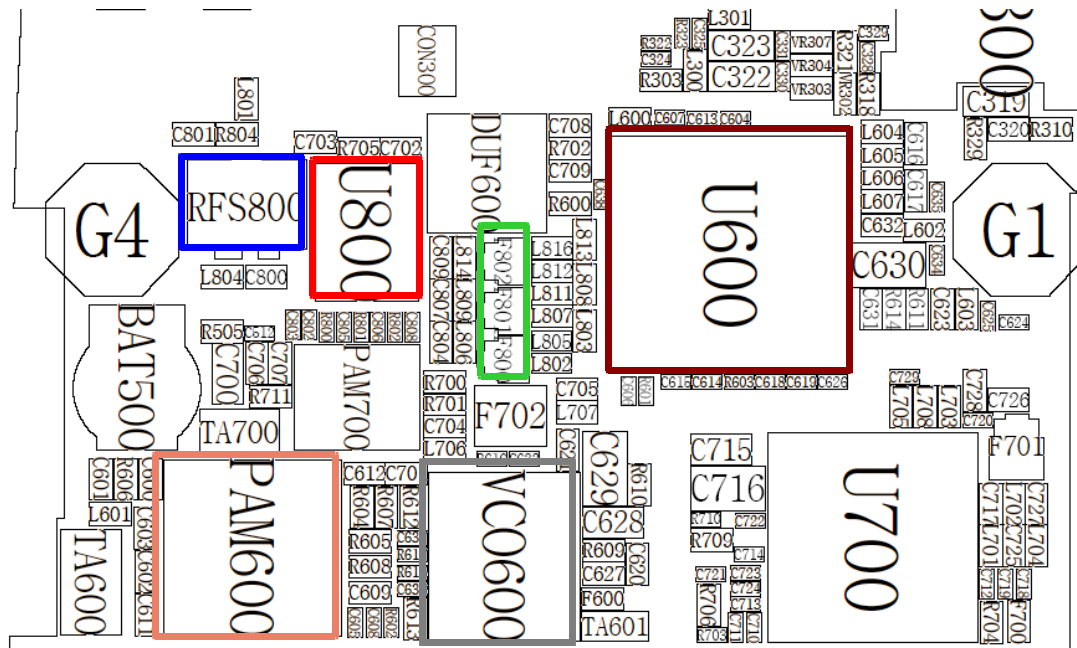
2-2-4. PCS Transmitter

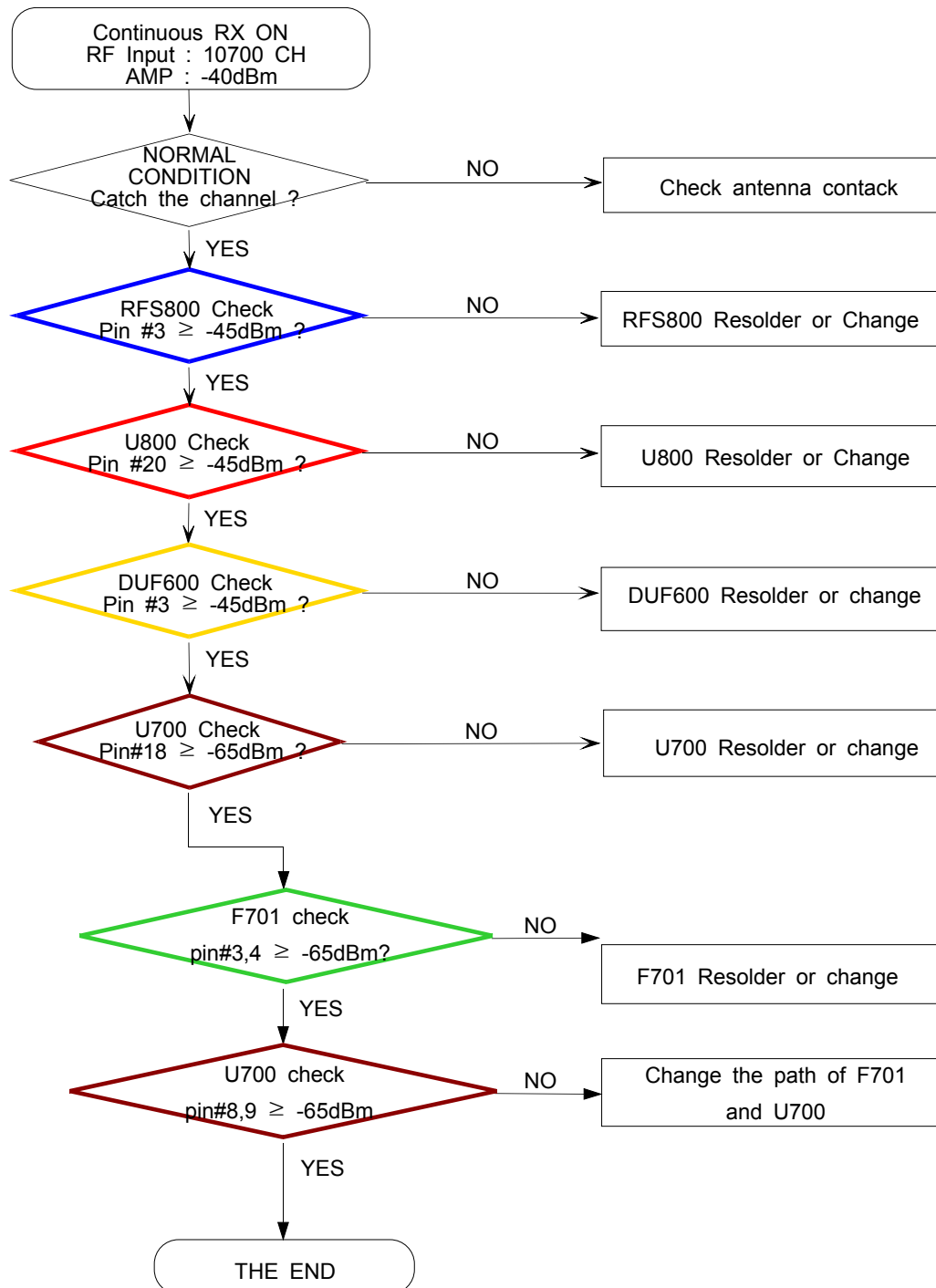


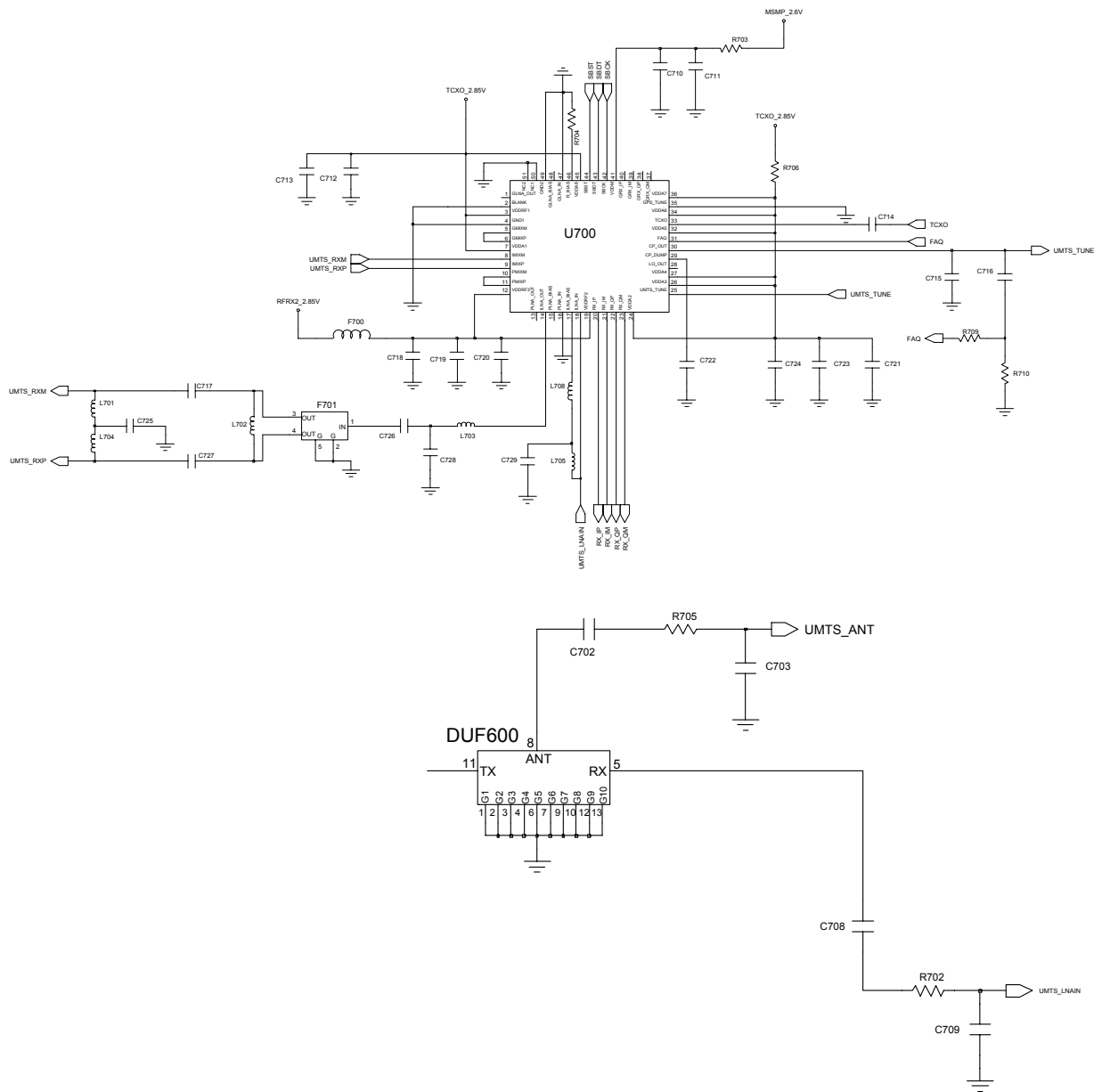


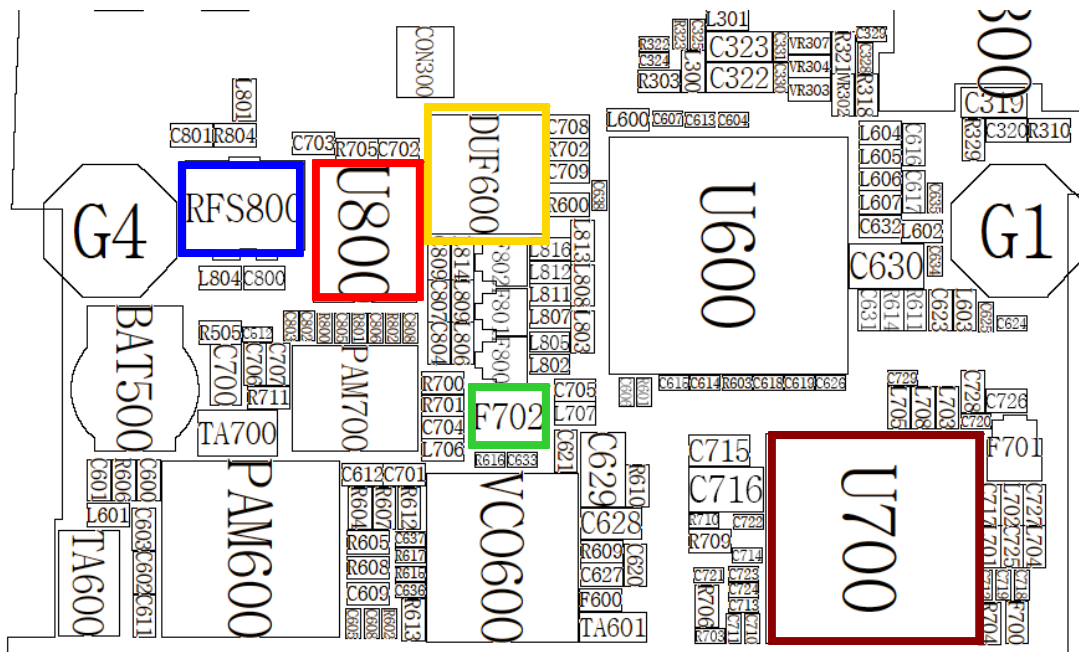
**If you check the tx chain,
Check the not only RF Device but also resistor, inductor and capacitor.





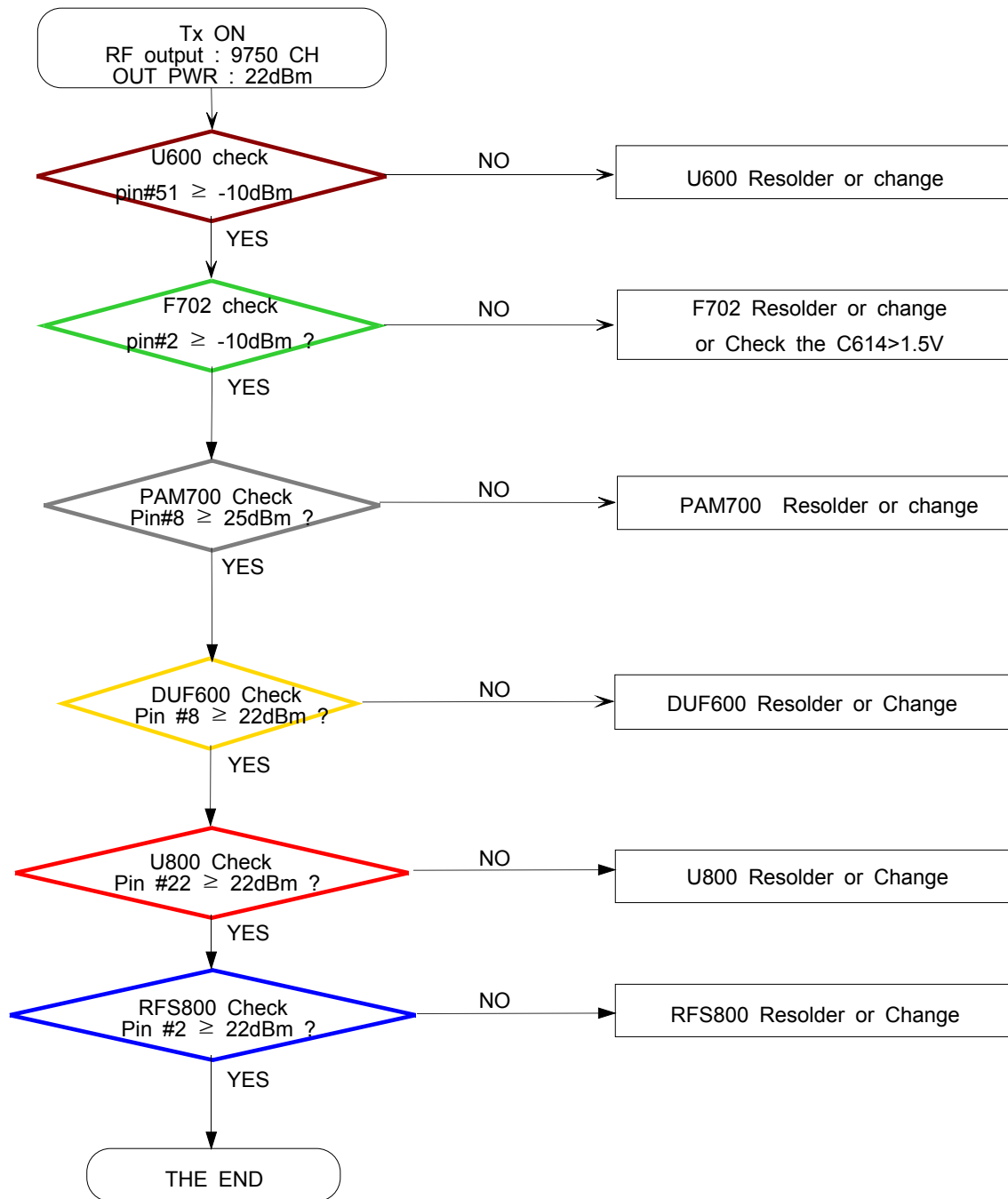
2-2-5. UMTS Receiver

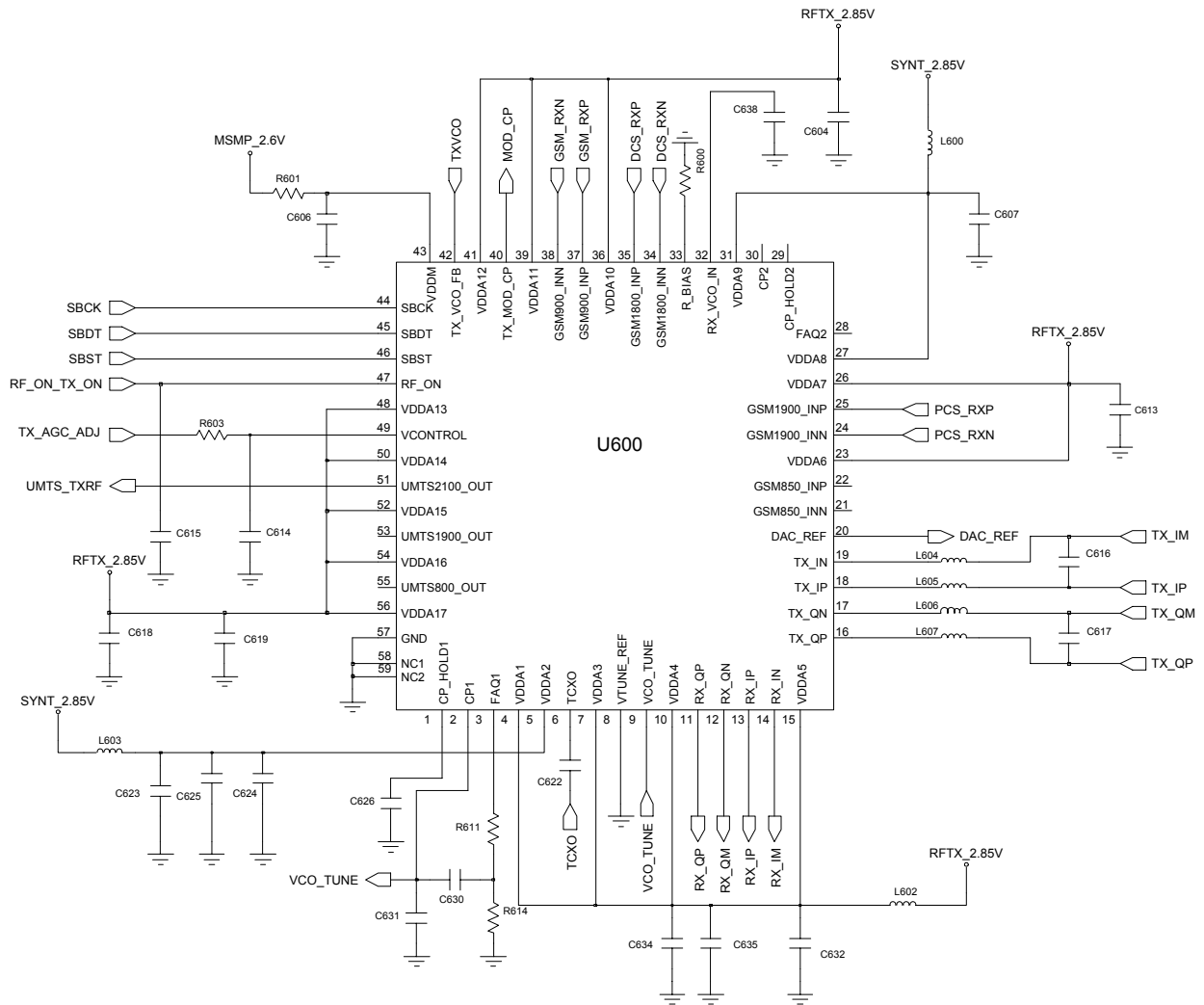


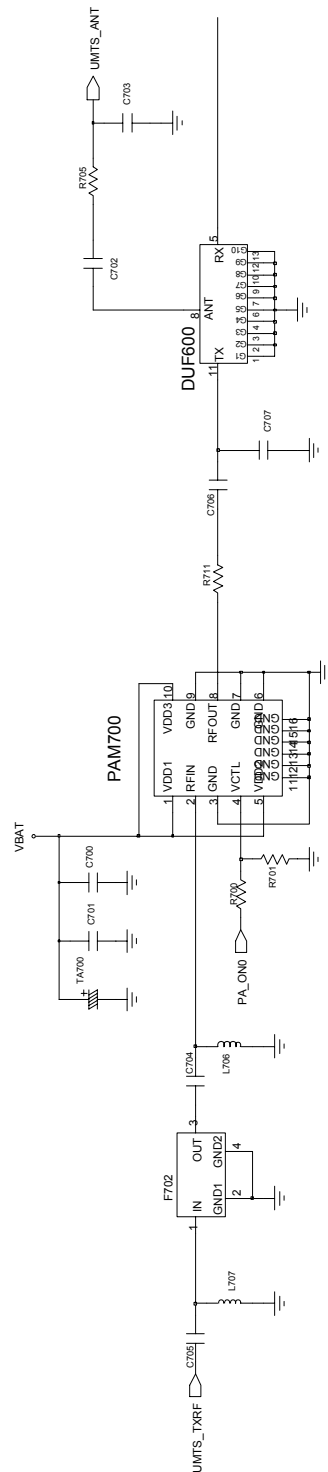


**If you check the RF chain,
Check the not only RF Device but also resistor, inductor and capacitor.

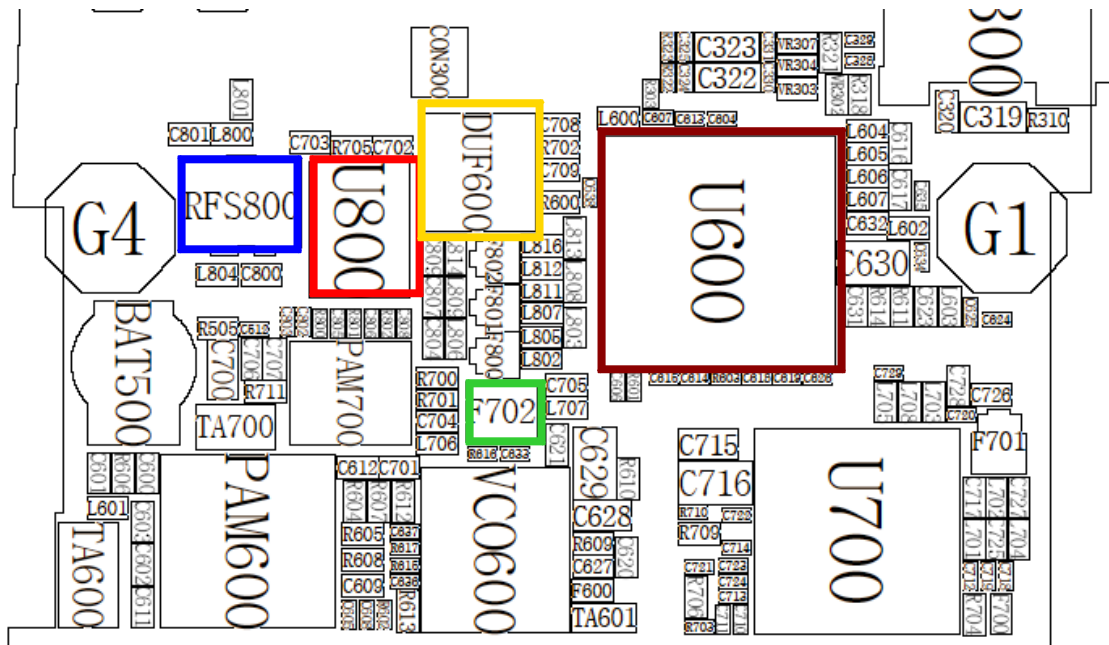
2-2-6. UMTS Transmitter



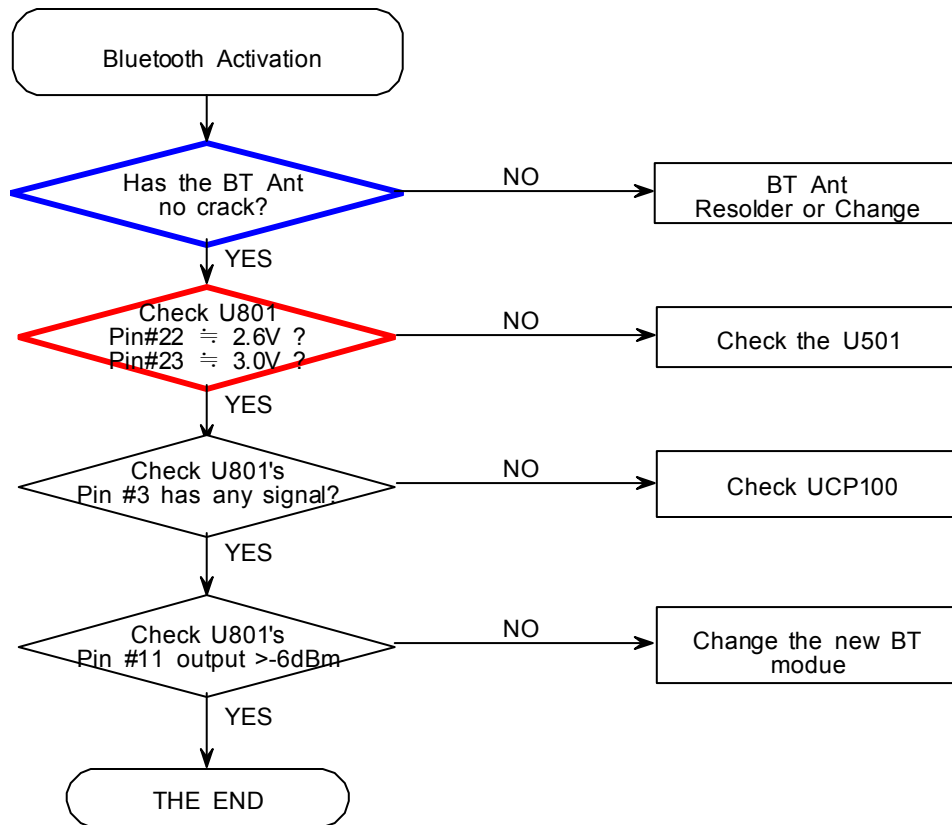




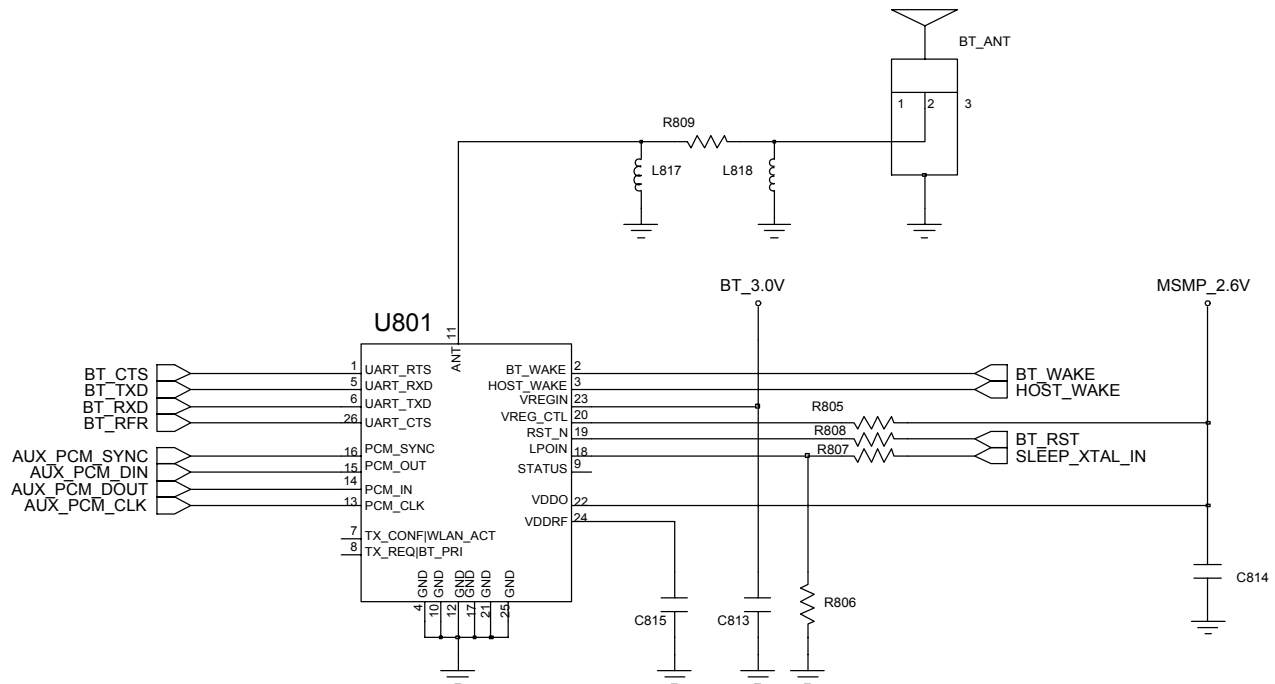
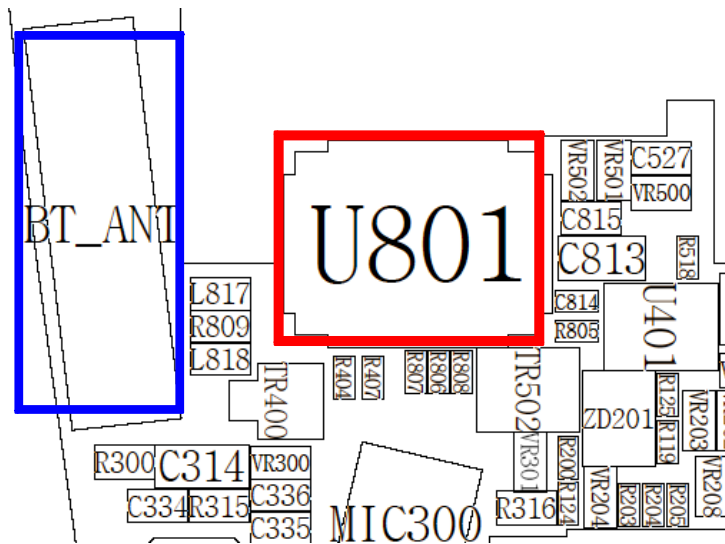
**If you check the RF chain,
Check the not only RF Device but also resistor, inductor and capacitor.



2-2-7. BLUETOOTH

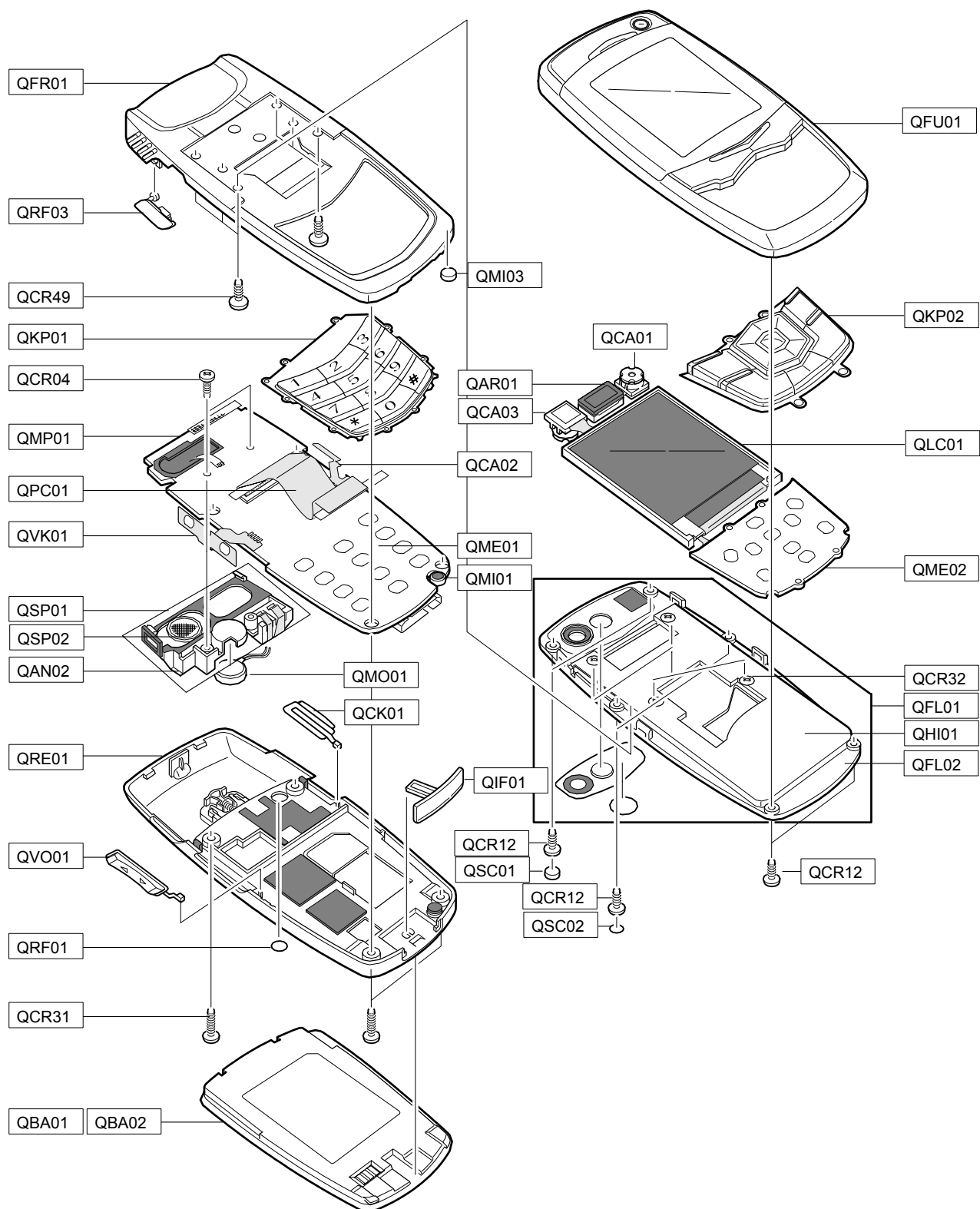


- Layout for Bluetooth



3. SGH-Z320i Exploded View and Parts List

3-1. Cellular phone Exploded View

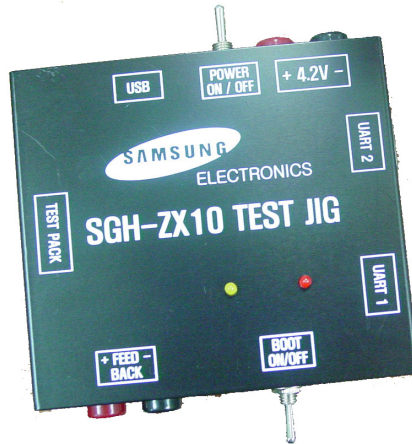


3-2. Cellular phone Parts list

Location NO.		Description	SEC CODE
QAR01		AUDIO-RECEIVER	3009-001156
QBA01		BATTERY-800MAH,BLK,EU,M	GH43-02178A
QBA02		BATTERY-1100MAH,BLK,EU,M	GH43-02224A
QCA01		UNIT-CAMERA(1.3M)	GH59-02601A
QCA02		UNIT-CAMERA KEY	GH59-02552A
QCA03		UNIT-VGA CAMERA	GH59-02549A
QCK01		MEC-CAMERA KEY	GH75-08163A
QCR04		SCREW-MACHINE	6001-001479
QCR12		SCREW-MACHINE	6001-001530
QCR31		SCREW-MACHINE	6001-001795
QCR49		SCREW-MACHINE	6001-001823
QFU01		MEC-SLIDE UPPER	GH75-08157A
QIF01		PMO-IF COVER	GH72-25476A
QKP01		MEC-KEYPAD MAIN(O2U/BKI)	GH75-08160A
QKP02		MEC-KEYPAD SUB(O2U/BKI)	GH75-08161A
QLC01		LCD-SGHZ320I MODULE	GH07-00798A
QME01		UNIT-METAL DOME(MIAN)	GH59-02550A
QME02		UNIT-KEY FPCB	GH59-02553A
QMI01		MICROPHONE-ASSY-SGHZ320I	GH30-00227A
QMO01		MOTOR DC-SGHZ320I	GH31-00201A
QMP01		PBA MAIN-SGHZ320I	GH92-02404A
QPC01		MEA-SLIDE FPCB KIT	GH97-05210A
QRE01		MEC-REAR COVER	GH75-08159A
QRF01		MPR-RF SHEET	GH74-18051A
QSC01		RMO-SCREW CAP #1	GH73-05523A
QSC02		MPR-SCREW SHEET	GH74-18746A
QVK01		UNIT-VOLUME KEY	GH59-02551A
QVO01		MEC-VOLUME KEY	GH75-08162A
QFL01		MEC-SLIDE LOWER	GH75-08164A
	QCR12	SCREW-MACHINE	6001-001530
	QCR32	SCREW-MACHINE	6001-001700
	QFL02	MEC-SLIDE LOWER SUB	GH75-08158A
	QHI01	MEC-SLIDE HINGE	GH75-08165A
QFR01		MEC-FRONT COVER	GH75-08156A
	QRF03	PMO-EAR COVER	GH72-25452A
	QMI03	RMO-MIC HOLER	GH73-05742A
QSP01		UNIT-SPEAKER MODULE	GH59-02693A
	QAN02	AS-INTENA	GH81-02773A
	QSP02	SPEAKER	3001-001847

Description	SEC CODE
BAG PE	6902-000297
CBF INTERFACE-DATA LINK CABLE	GH39-00431A
ADAPTOR-SGHZ310 TA	GH44-01093A
S/W CD-SAMUNGPCSTUDIO 3.0	GH46-00182A
UNIT-EARPHONE	GH59-02320A
SPRING ETC-SPRING BATT LOCKER	GH61-00047A
LABEL(P)-WATER SOAK	GH68-02026A
MANUAL USERS-O2 ENGLISH	GH68-08615A
LABEL(P)-MAIN (EU)	GH68-08661A
BOX(P)-UNIT MAIN (EU)	GH69-03411A
CUSHION-CASE TA3 MA2	GH69-03413A
MPR-HAND STRAP	GH74-05907A
MPR-TAPE CAMERA	GH74-18734A
MPR-TAPE SLIDE LCD	GH74-18736A
MPR-TAPE FUNC KEY FPCB	GH74-18737A
MPR-TAPE CAMERA 1	GH74-18739A
MPR-TAPE MAIN FPCB 2	GH74-18744A
MPR-BOHO VINYL S/U PRT 2	GH74-18750A
MPR-MOTOR SPONGE	GH74-19195A
MPR-TAPE MAIN FPCB 3	GH74-19202A
MPR-TAPE S/FPCB GASKET 3	GH74-19203A
MPR-TAPE S/FPCB GASKET 3	GH74-19203A
MPR-MAIN DOME SHEET 1	GH74-19204A
MPR-MAIN DOME SHEET 2	GH74-19205A
MPR-MAIN DOME SHEET 3	GH74-19206A
MPR-TAPE SLIDE FPCB 3	GH74-19211A
MPR-TAPE MAIN SIDE	GH74-19535A
MPR-TAPE SLIDE CONNECTOR	GH74-19536A
MPR-TAPE SPEAKER UP	GH74-19537A
MPR-TAPE VOLUME KEY UP	GH74-19538A
MPR-TAPE CAMERA KEY UP	GH74-19539A
MPR-GASKET DOME SHEET	GH74-19542A
MPR-TAPE MAIN UP	GH74-19543A
MPR-TAPE SLIDE LCD 2	GH74-19545A
MPR-VINYL BOHO 3X4KEY	GH74-19751A
MPR-VINYL BOHO SPK DECO	GH74-19752A
MPR-SPONGE SPEAKER	GH74-19755A
MPR-VINYL BOHO MAIN WIN	GH74-19798A
AS-GASKET A	GH81-02834A
AS-GASKET B	GH81-02835A

3-3. Test Jig GH80-03310A



3-3-1. RF Test Cable
GH39-00283A



3-3-2. Test Cable
GH39-00447A



3-3-3. Serial Cable



3-3-4. Power Supply Cable



3-3-5. PC Data Link Cable
GH39-00431A



3-3-6. TA
GH44-01079A



4. SGH-Z320i MAIN Electrical Parts List

SEC Code	Design LOC	Discription	STATUS
0403-001427	ZD400	DIODE-ZENER	SA
0403-001547	ZD500	DIODE-ZENER	SA
0404-001172	D100	DIODE-SCHOTTKY	SA
0404-001172	D101	DIODE-SCHOTTKY	SA
0404-001172	D500	DIODE-SCHOTTKY	SA
0406-001208	ZD201	DIODE-TVS	SA
0406-001210	ZD204	DIODE-TVS	SA
0407-001002	D501	DIODE-ARRAY	SA
0504-000167	TR400	TR-DIGITAL	SA
0504-000168	TR501	TR-DIGITAL	SA
0504-000168	TR502	TR-DIGITAL	SA
0504-000168	TR503	TR-DIGITAL	SA
0504-001163	TR505	TR-DIGITAL	SA
0505-001889	TR500	FET-SILICON	SA
0505-001953	TR504	FET-SILICON	SA
0601-002048	LED200	LED	SA
0801-002529	U401	IC-CMOS LOGIC	SA
1001-001354	U302	IC-ANALOG SWITCH	SA
1009-001018	U100	IC-HALL EFFECT S/W	SA
1108-000035	UME400	IC-MCP	SA
1201-002218	PAM600	IC-POWER AMP	SA
1201-002219	PAM700	IC-POWER AMP	SA
1201-002241	U301	IC-AUDIO AMP	SA
1203-003046	U505	IC-BATTERY	SA
1203-003234	U400	IC-BATTERY	SA
1203-003728	U500	IC-VOL. DETECTOR	SA
1203-003754	U503	IC-POSI.FIXED REG.	SA
1203-003787	U502	IC-POSI.FIXED REG.	SA
1203-003829	U504	IC-POSI.FIXED REG.	SA
1203-003877	U501	IC-POWER SUPERVISOR	SA
1204-002138	U300	IC-MELODY	SA
1205-002645	U600	IC-TRANSCIEVER	SA
1205-002724	U800	IC-SWITCH	SA
1205-002780	UCP100	IC-MODEM	SA
1205-002781	U700	IC-RECEIVER	SA

SEC Code	Design LOC	Discription	STATUS
1404-001224	U101	THERMISTOR-NTC	SA
1405-001082	VR209	VARISTOR	SA
1405-001082	VR300	VARISTOR	SA
1405-001082	VR301	VARISTOR	SA
1405-001082	VR302	VARISTOR	SA
1405-001082	VR303	VARISTOR	SA
1405-001082	VR304	VARISTOR	SA
1405-001082	VR305	VARISTOR	SA
1405-001082	VR306	VARISTOR	SA
1405-001082	VR307	VARISTOR	SA
1405-001082	VR308	VARISTOR	SA
1405-001082	VR309	VARISTOR	SA
1405-001082	VR500	VARISTOR	SA
1405-001133	VR213	VARISTOR	SA
1405-001133	VR214	VARISTOR	SA
1405-001133	VR215	VARISTOR	SA
1405-001133	VR216	VARISTOR	SA
1405-001133	VR217	VARISTOR	SA
1405-001133	VR501	VARISTOR	SA
1405-001133	VR502	VARISTOR	SA
1405-001138	VR200	VARISTOR	SA
1405-001138	VR201	VARISTOR	SA
1405-001138	VR202	VARISTOR	SA
1405-001138	VR203	VARISTOR	SA
1405-001138	VR204	VARISTOR	SA
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1405-001138	VR206	VARISTOR	SA
1405-001138	VR207	VARISTOR	SA
1405-001138	VR208	VARISTOR	SA
1405-001138	VR210	VARISTOR	SA
1405-001138	VR211	VARISTOR	SA
1405-001138	VR212	VARISTOR	SA
2007-000137	R317	R-CHIP	SA
2007-000138	R233	R-CHIP	SA
2007-000139	R613	R-CHIP	SA

SEC Code	Design LOC	Discription	STATUS
2007-000145	R614	R-CHIP	SA
2007-000146	R126	R-CHIP	SA
2007-000148	R504	R-CHIP	SA
2007-000148	R505	R-CHIP	SA
2007-000151	R515	R-CHIP	SA
2007-000157	R114	R-CHIP	SA
2007-000157	R115	R-CHIP	SA
2007-000157	R116	R-CHIP	SA
2007-000157	R117	R-CHIP	SA
2007-000157	R234	R-CHIP	SA
2007-000157	R503	R-CHIP	SA
2007-000157	R525	R-CHIP	SA
2007-000162	R118	R-CHIP	SA
2007-000162	R232	R-CHIP	SA
2007-000162	R320	R-CHIP	SA
2007-000171	R100	R-CHIP	SA
2007-000171	R235	R-CHIP	SA
2007-000171	R236	R-CHIP	SA
2007-000171	R303	R-CHIP	SA
2007-000171	R306	R-CHIP	SA
2007-000171	R309	R-CHIP	SA
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2007-000171	R711	R-CHIP	SA
2007-000171	R804	R-CHIP	SA
2007-000171	R809	R-CHIP	SA
2007-000172	R213	R-CHIP	SA
2007-000172	R522	R-CHIP	SA
2007-000173	R308	R-CHIP	SA
2007-000173	R326	R-CHIP	SA
2007-000174	R610	R-CHIP	SA

SEC Code	Design LOC	Discription	STATUS
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2007-000242	R318	R-CHIP	SA
2007-001156	R315	R-CHIP	SA
2007-001156	R329	R-CHIP	SA
2007-001217	R609	R-CHIP	SA
2007-001284	R706	R-CHIP	SA
2007-001298	R507	R-CHIP	SA
2007-001306	R210	R-CHIP	SA
2007-001306	R212	R-CHIP	SA
2007-001306	R224	R-CHIP	SA
2007-001306	R225	R-CHIP	SA
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2007-001306	R227	R-CHIP	SA
2007-001306	R228	R-CHIP	SA
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2007-001311	R612	R-CHIP	SA
2007-001313	R604	R-CHIP	SA
2007-001319	R316	R-CHIP	SA
2007-001339	R319	R-CHIP	SA
2007-002965	R608	R-CHIP	SA
2007-003010	R607	R-CHIP	SA
2007-003013	R321	R-CHIP	SA
2007-007015	R301	R-CHIP	SA
2007-007015	R302	R-CHIP	SA
2007-007015	R304	R-CHIP	SA
2007-007015	R305	R-CHIP	SA
2007-007137	R231	R-CHIP	SA
2007-007306	R803	R-CHIP	SA
2007-007308	R123	R-CHIP	SA
2007-007309	R229	R-CHIP	SA
2007-007314	R104	R-CHIP	SA
2007-007314	R105	R-CHIP	SA
2007-007316	R611	R-CHIP	SA
2007-007316	R700	R-CHIP	SA

SEC Code	Design LOC	Discription	STATUS
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2007-007318	R106	R-CHIP	SA
2007-007318	R122	R-CHIP	SA
2007-007468	R508	R-CHIP	SA
2007-007491	R600	R-CHIP	SA
2007-007491	R704	R-CHIP	SA
2007-007766	R107	R-CHIP	SA
2007-008045	R511	R-CHIP	SA
2007-008045	R601	R-CHIP	SA
2007-008045	R615	R-CHIP	SA
2007-008045	R617	R-CHIP	SA
2007-008045	R703	R-CHIP	SA
2007-008051	R312	R-CHIP	SA
2007-008052	R710	R-CHIP	SA
2007-008055	R401	R-CHIP	SA
2007-008055	R512	R-CHIP	SA
2007-008055	R518	R-CHIP	SA
2007-008117	R402	R-CHIP	SA
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2007-008419	R802	R-CHIP	SA
2007-008483	R103	R-CHIP	SA
2007-008483	R513	R-CHIP	SA
2007-008483	R514	R-CHIP	SA
2007-008483	R516	R-CHIP	SA
2007-008483	R805	R-CHIP	SA

SEC Code	Design LOC	Discription	STATUS
2007-008516	R101	R-CHIP	SA
2007-008516	R102	R-CHIP	SA
2007-008516	R110	R-CHIP	SA
2007-008516	R112	R-CHIP	SA
2007-008516	R119	R-CHIP	SA
2007-008516	R403	R-CHIP	SA
2007-008516	R519	R-CHIP	SA
2007-008516	R807	R-CHIP	SA
2007-008542	R111	R-CHIP	SA
2007-008542	R124	R-CHIP	SA
2007-008542	R125	R-CHIP	SA
2007-008542	R405	R-CHIP	SA
2007-008542	R406	R-CHIP	SA
2007-008542	R506	R-CHIP	SA
2007-008542	R509	R-CHIP	SA
2007-008542	R510	R-CHIP	SA
2007-008542	R808	R-CHIP	SA
2007-008647	R806	R-CHIP	SA
2007-008806	R616	R-CHIP	SA
2007-009111	R201	R-CHIP	SA
2007-009111	R202	R-CHIP	SA
2007-009115	R322	R-CHIP	SA
2007-009115	R323	R-CHIP	SA
2007-009168	R501	R-CHIP	SA
2007-009170	R108	R-CHIP	SA
2007-009170	R113	R-CHIP	SA
2007-009171	R500	R-CHIP	SA
2203-000233	C327	C-CER,CHIP	SA
2203-000254	C122	C-CER,CHIP	SA
2203-000254	C138	C-CER,CHIP	SA
2203-000254	C200	C-CER,CHIP	SA
2203-000254	C300	C-CER,CHIP	SA
2203-000254	C301	C-CER,CHIP	SA
2203-000254	C302	C-CER,CHIP	SA
2203-000254	C303	C-CER,CHIP	SA

SEC Code	Design LOC	Discription	STATUS
2203-000254	C609	C-CER,CHIP	SA
2203-000254	C611	C-CER,CHIP	SA
2203-000254	C612	C-CER,CHIP	SA
2203-000254	C701	C-CER,CHIP	SA
2203-000254	C810	C-CER,CHIP	SA
2203-000278	C706	C-CER,CHIP	SA
2203-000311	C315	C-CER,CHIP	SA
2203-000311	C316	C-CER,CHIP	SA
2203-000311	C317	C-CER,CHIP	SA
2203-000311	C627	C-CER,CHIP	SA
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2203-000386	C119	C-CER,CHIP	SA
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2203-000386	C336	C-CER,CHIP	SA
2203-000386	C339	C-CER,CHIP	SA
2203-000438	C312	C-CER,CHIP	SA
2203-000438	C313	C-CER,CHIP	SA
2203-000438	C511	C-CER,CHIP	SA
2203-000438	C622	C-CER,CHIP	SA
2203-000489	C120	C-CER,CHIP	SA
2203-000812	C201	C-CER,CHIP	SA
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2203-000812	C702	C-CER,CHIP	SA
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2203-000812	C804	C-CER,CHIP	SA
2203-000812	C807	C-CER,CHIP	SA
2203-000812	C809	C-CER,CHIP	SA
2203-000836	C631	C-CER,CHIP	SA
2203-000995	C135	C-CER,CHIP	SA
2203-000995	C616	C-CER,CHIP	SA
2203-000995	C617	C-CER,CHIP	SA
2203-000995	C705	C-CER,CHIP	SA

SEC Code	Design LOC	Discription	STATUS
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2203-001153	C536	C-CER,CHIP	SA
2203-001259	C726	C-CER,CHIP	SA
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2203-002668	C728	C-CER,CHIP	SA
2203-005053	C603	C-CER,CHIP	SA
2203-005053	C717	C-CER,CHIP	SA
2203-005053	C727	C-CER,CHIP	SA
2203-005288	C707	C-CER,CHIP	SA
2203-005344	C326	C-CER,CHIP	SA
2203-005395	C704	C-CER,CHIP	SA
2203-005682	C321	C-CER,CHIP	SA
2203-005682	C328	C-CER,CHIP	SA
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2203-005682	C624	C-CER,CHIP	SA
2203-005682	C634	C-CER,CHIP	SA
2203-005682	C803	C-CER,CHIP	SA
2203-005682	C805	C-CER,CHIP	SA
2203-005682	C806	C-CER,CHIP	SA
2203-005682	C808	C-CER,CHIP	SA
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2203-005736	C615	C-CER,CHIP	SA
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2203-005736	C711	C-CER,CHIP	SA
2203-005736	C720	C-CER,CHIP	SA
2203-005736	C721	C-CER,CHIP	SA
2203-005736	C723	C-CER,CHIP	SA
2203-005806	C101	C-CER,CHIP	SA

SEC Code	Design LOC	Discription	STATUS
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2203-005806	C105	C-CER,CHIP	SA
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2203-005806	C115	C-CER,CHIP	SA
2203-005806	C140	C-CER,CHIP	SA
2203-005806	C310	C-CER,CHIP	SA
2203-005806	C402	C-CER,CHIP	SA
2203-005806	C608	C-CER,CHIP	SA
2203-005806	C619	C-CER,CHIP	SA
2203-005806	C714	C-CER,CHIP	SA
2203-005819	C520	C-CER,CHIP	SA
2203-005819	C521	C-CER,CHIP	SA
2203-006047	C121	C-CER,CHIP	SA
2203-006048	C308	C-CER,CHIP	SA
2203-006048	C404	C-CER,CHIP	SA
2203-006048	C510	C-CER,CHIP	SA
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2203-006121	C729	C-CER,CHIP	SA
2203-006194	C304	C-CER,CHIP	SA
2203-006194	C400	C-CER,CHIP	SA
2203-006194	C401	C-CER,CHIP	SA
2203-006194	C406	C-CER,CHIP	SA
2203-006194	C516	C-CER,CHIP	SA
2203-006194	C605	C-CER,CHIP	SA
2203-006194	C610	C-CER,CHIP	SA
2203-006194	C626	C-CER,CHIP	SA
2203-006194	C722	C-CER,CHIP	SA
2203-006257	C405	C-CER,CHIP	SA
2203-006260	C136	C-CER,CHIP	SA
2203-006260	C137	C-CER,CHIP	SA
2203-006260	C318	C-CER,CHIP	SA

SEC Code	Design LOC	Discription	STATUS
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2203-006260	C620	C-CER,CHIP	SA
2203-006260	C812	C-CER,CHIP	SA
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2203-006324	C519	C-CER,CHIP	SA
2203-006324	C700	C-CER,CHIP	SA
2203-006324	C811	C-CER,CHIP	SA
2203-006324	C813	C-CER,CHIP	SA
2203-006379	C614	C-CER,CHIP	SA
2203-006423	C103	C-CER,CHIP	SA
2203-006423	C104	C-CER,CHIP	SA
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2203-006423	C515	C-CER,CHIP	SA
2203-006423	C604	C-CER,CHIP	SA
2203-006423	C606	C-CER,CHIP	SA

SEC Code	Design LOC	Discription	STATUS
2203-006423	C607	C-CER,CHIP	SA
2203-006423	C613	C-CER,CHIP	SA
2203-006423	C618	C-CER,CHIP	SA
2203-006423	C625	C-CER,CHIP	SA
2203-006423	C635	C-CER,CHIP	SA
2203-006423	C710	C-CER,CHIP	SA
2203-006423	C712	C-CER,CHIP	SA
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2203-006423	C718	C-CER,CHIP	SA
2203-006423	C719	C-CER,CHIP	SA
2203-006423	C724	C-CER,CHIP	SA
2203-006423	C802	C-CER,CHIP	SA
2203-006423	C814	C-CER,CHIP	SA
2203-006466	C501	C-CER,CHIP	SA
2203-006562	C100	C-CER,CHIP	SA
2203-006562	C111	C-CER,CHIP	SA
2203-006562	C141	C-CER,CHIP	SA
2203-006562	C332	C-CER,CHIP	SA
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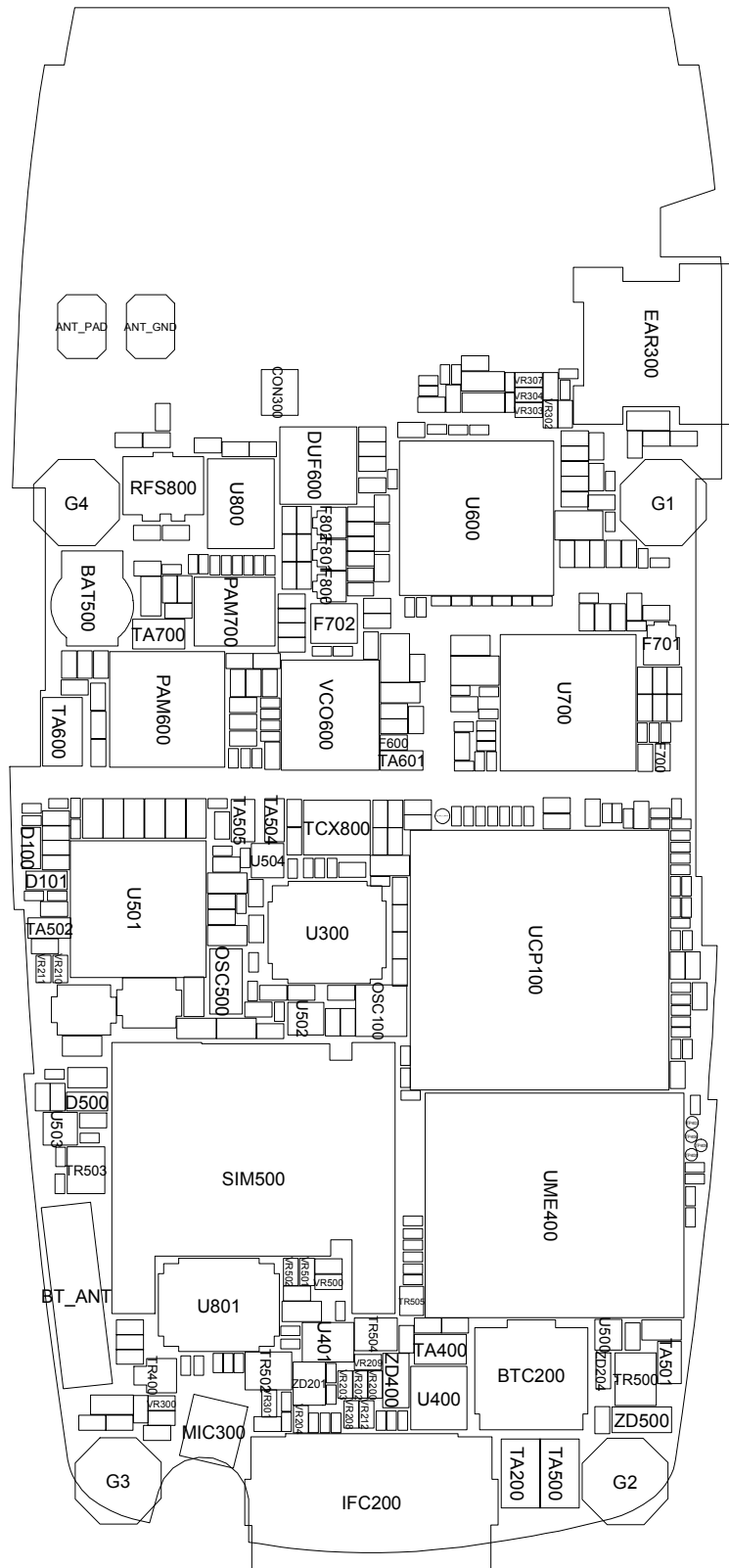
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2203-006562	C632	C-CER,CHIP	SA
2203-006562	C815	C-CER,CHIP	SA
2203-006617	C128	C-CER,CHIP	SA
2203-006617	C131	C-CER,CHIP	SA
2203-006648	C123	C-CER,CHIP	SA
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2203-006824	C503	C-CER,CHIP	SA
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2203-006824	C508	C-CER,CHIP	SA
2301-001475	C630	C-FILM,SMD-PPS	SA
2301-001475	C716	C-FILM,SMD-PPS	SA
2301-001736	C628	C-FILM,SMD	SA
2301-001789	C715	C-FILM,SMD	SA
2301-001791	C629	C-FILM,SMD	SA
2404-001268	TA700	C-TA,CHIP	SA
2404-001339	TA502	C-TA,CHIP	SA
2404-001374	TA400	C-TA,CHIP	SA
2404-001377	C314	C-TA,CHIP	SA
2404-001377	C322	C-TA,CHIP	SA
2404-001377	C323	C-TA,CHIP	SA
2404-001377	TA201	C-TA,CHIP	SA
2404-001377	TA202	C-TA,CHIP	SA
2404-001381	C319	C-TA,CHIP	SA
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2404-001381	TA601	C-TA,CHIP	SA
2404-001394	C306	C-TA,CHIP	SA

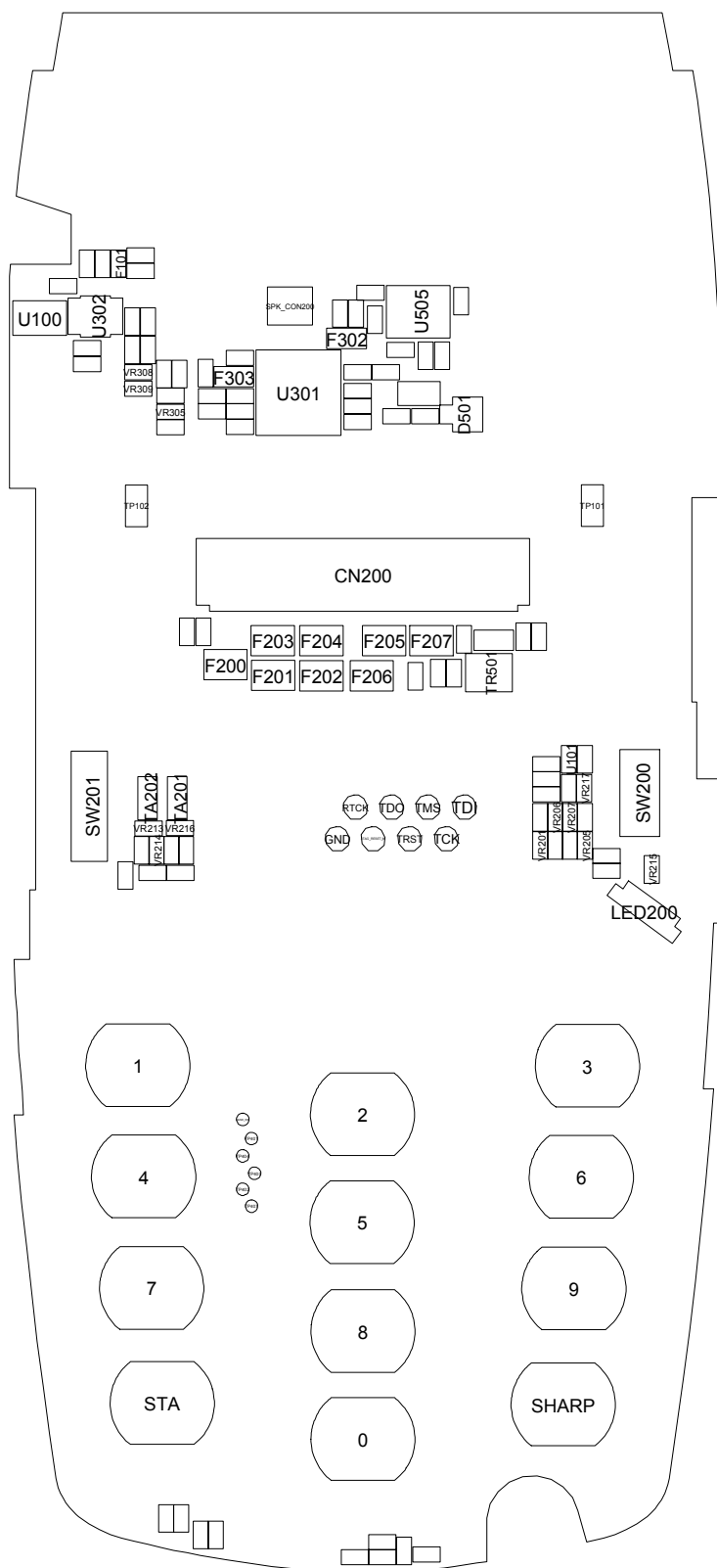
SEC Code	Design LOC	Discription	STATUS
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2404-001406	TA200	C-TA,CHIP	SA
2404-001406	TA500	C-TA,CHIP	SA
2404-001406	TA600	C-TA,CHIP	SA
2703-001409	L809	INDUCTOR-SMD	SA
2703-001990	L708	INDUCTOR-SMD	SA
2703-001990	L803	INDUCTOR-SMD	SA
2703-002170	L707	INDUCTOR-SMD	SA
2703-002176	L701	INDUCTOR-SMD	SA
2703-002176	L704	INDUCTOR-SMD	SA
2703-002198	L813	INDUCTOR-SMD	SA
2703-002200	L806	INDUCTOR-SMD	SA
2703-002203	L808	INDUCTOR-SMD	SA
2703-002205	L702	INDUCTOR-SMD	SA
2703-002205	L812	INDUCTOR-SMD	SA
2703-002205	L816	INDUCTOR-SMD	SA
2703-002207	L706	INDUCTOR-SMD	SA
2703-002208	L703	INDUCTOR-SMD	SA
2703-002267	L601	INDUCTOR-SMD	SA
2703-002267	L705	INDUCTOR-SMD	SA
2703-002267	L807	INDUCTOR-SMD	SA
2703-002267	L811	INDUCTOR-SMD	SA
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2703-002313	L307	INDUCTOR-SMD	SA
2703-002313	L804	INDUCTOR-SMD	SA
2703-002314	L600	INDUCTOR-SMD	SA
2703-002314	L602	INDUCTOR-SMD	SA
2703-002314	L603	INDUCTOR-SMD	SA
2703-002370	L802	INDUCTOR-SMD	SA
2703-002370	L805	INDUCTOR-SMD	SA

SEC Code	Design LOC	Discription	STATUS
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2703-002782	L503	INDUCTOR-SMD	SA
2703-002819	L604	INDUCTOR-SMD	SA
2703-002819	L605	INDUCTOR-SMD	SA
2703-002819	L606	INDUCTOR-SMD	SA
2703-002819	L607	INDUCTOR-SMD	SA
2801-004373	OSC500	CRYSTAL-SMD	SA
2802-001182	OSC100	RESONATOR-CERAMIC	SA
2806-001360	VCO600	OSCILLATOR-VCO	SA
2809-001277	TCX800	OSCILLATOR-VCTCXO	SA
2901-001320	F200	FILTER-EMI/ESD	SA
2901-001320	F201	FILTER-EMI/ESD	SA
2901-001320	F202	FILTER-EMI/ESD	SA
2901-001320	F203	FILTER-EMI/ESD	SA
2901-001320	F204	FILTER-EMI/ESD	SA
2901-001320	F205	FILTER-EMI/ESD	SA
2901-001320	F206	FILTER-EMI/ESD	SA
2901-001320	F207	FILTER-EMI/ESD	SA
2904-001592	F800	FILTER-SAW	SA
2904-001599	F801	FILTER-SAW	SA
2904-001600	F802	FILTER-SAW	SA
2904-001623	F701	FILTER-SAW	SA
2904-001629	F702	FILTER-SAW	SA
2910-000010	DUF600	DUPLEXER-SAW	SA
3301-001208	F302	BEAD-SMD	SA
3301-001208	F303	BEAD-SMD	SA
3301-001342	F101	BEAD-SMD	SA
3301-001729	F600	BEAD-SMD	SA
3301-001729	F700	BEAD-SMD	SA
3705-001358	RFS800	CONNECTOR-COAXIAL	SA
3708-002054	CN200	CONNECTOR-FPC/FFC/PIC	SA
3709-001229	SIM500	CONNECTOR-CARD EDGE	SA
3710-002310	IFC200	SOCKET-INTERFACE	SA
3711-005880	BTC200	HEADER-BATTERY	SA
3722-002082	EAR300	JACK-PHONE	SA

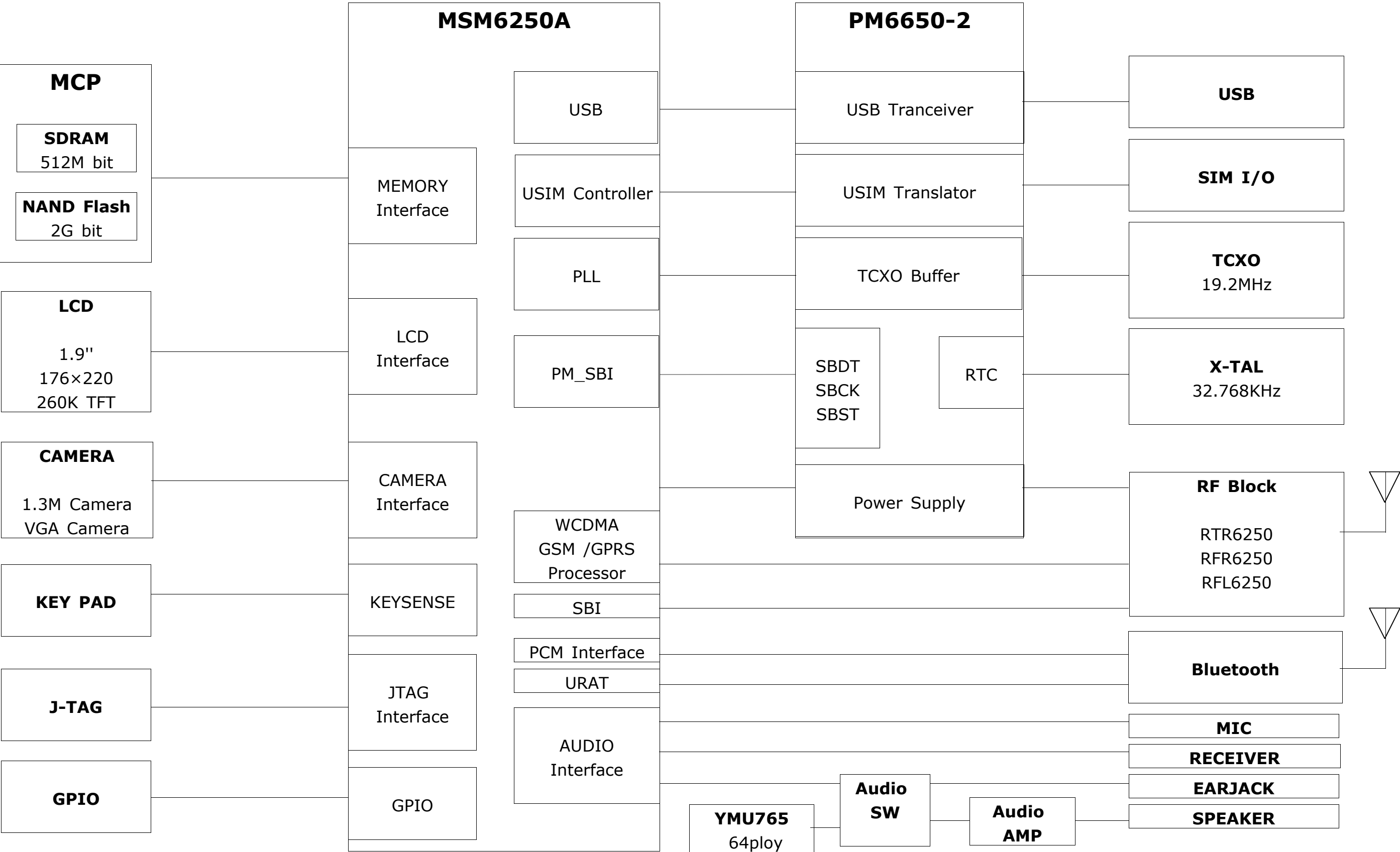
SEC Code	Design LOC	Discription	STATUS
4202-001087	BT_ANT	ANTENNA-CHIP	SA
4302-001180	BAT500	BATTERY-LI(2ND)	SA
4709-001398	U801	BLUETOOTH MODULE	SA

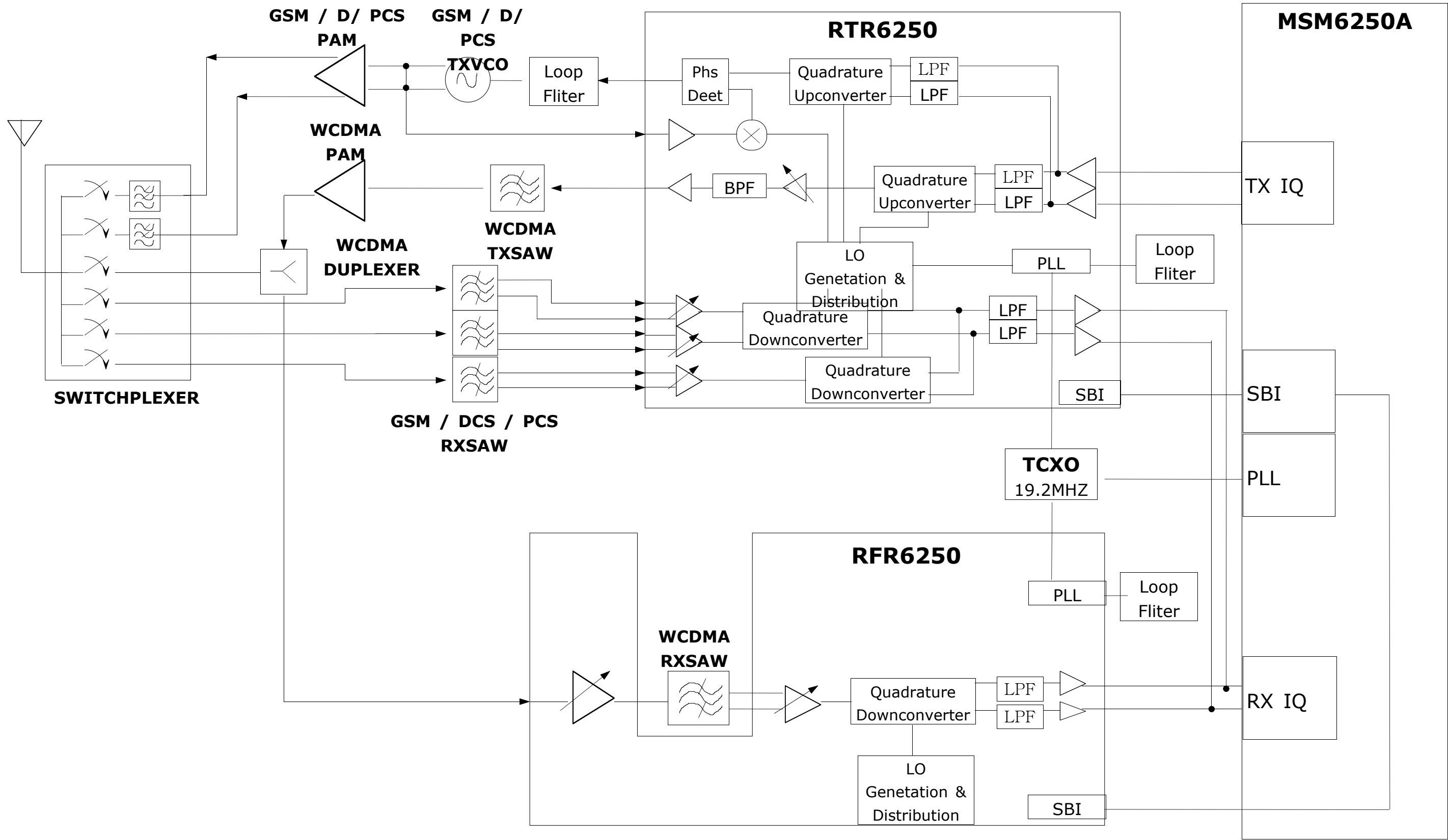
5. SGH-Z320i PCB Diagrams





6. SGH-Z320i Block Diagrams





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