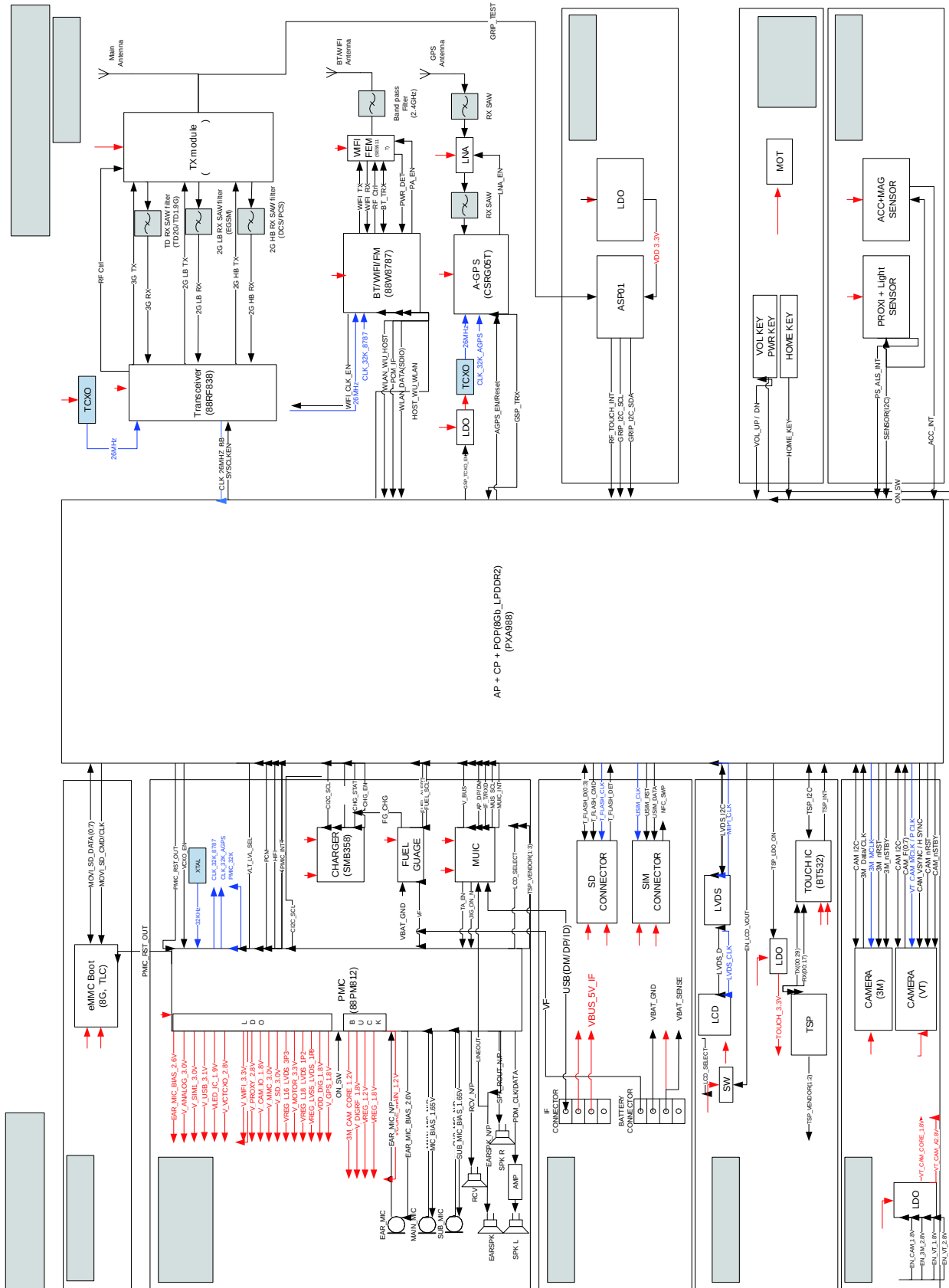
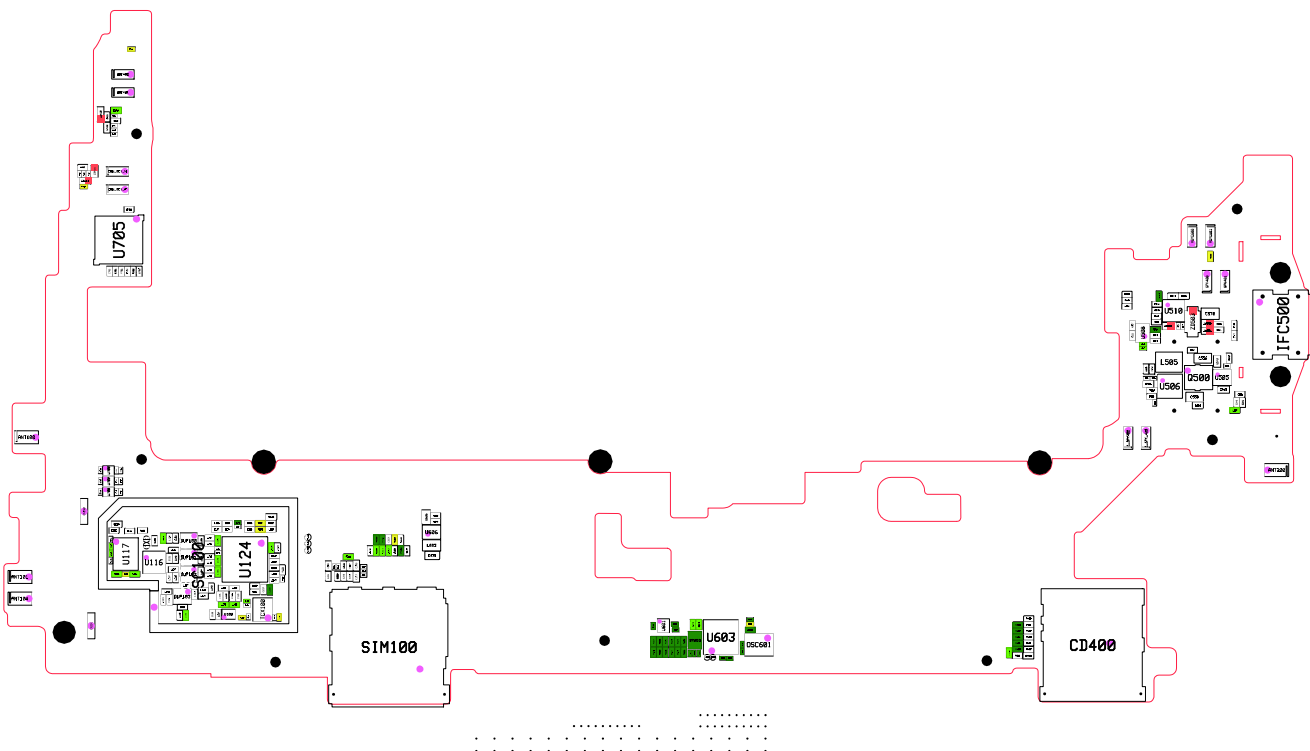
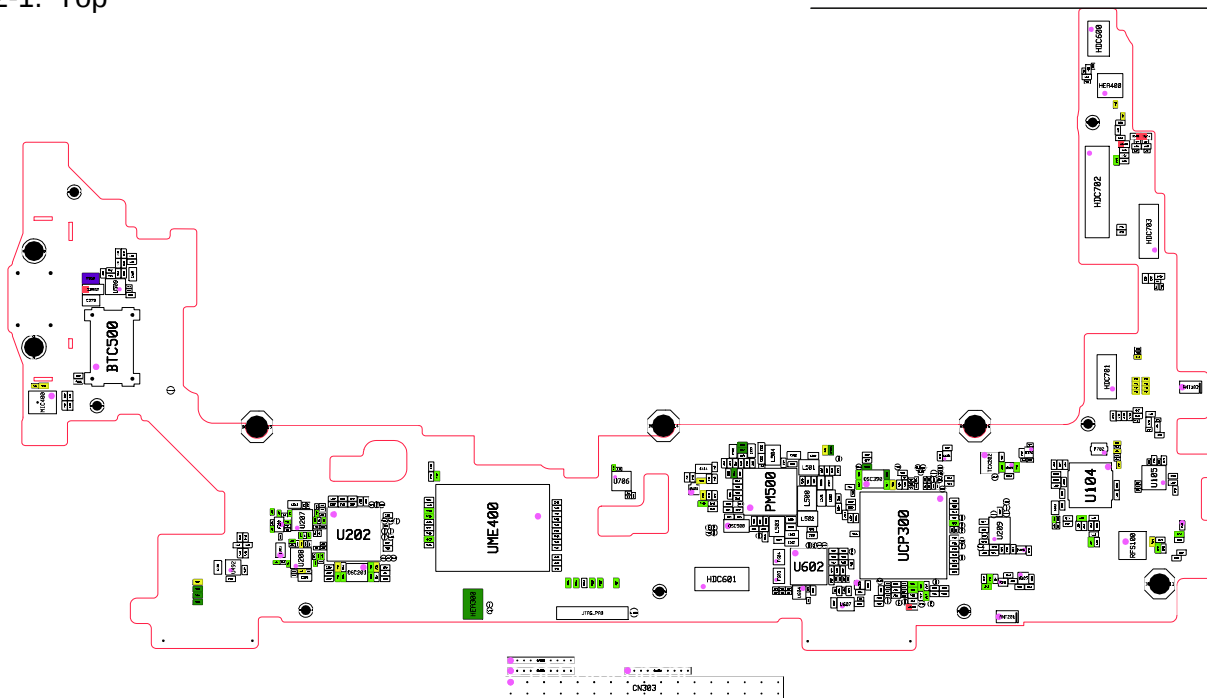


8. Level 3 Repair

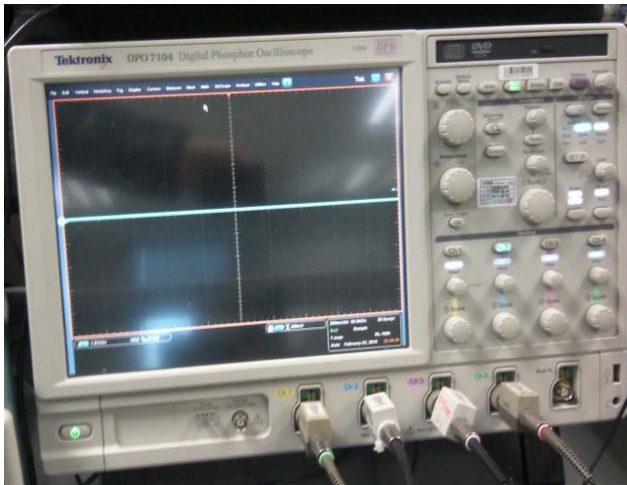
8-1. Block Diagram





8-3. Flow Chart of Troubleshooting

Equipments



↑ Oscilloscope



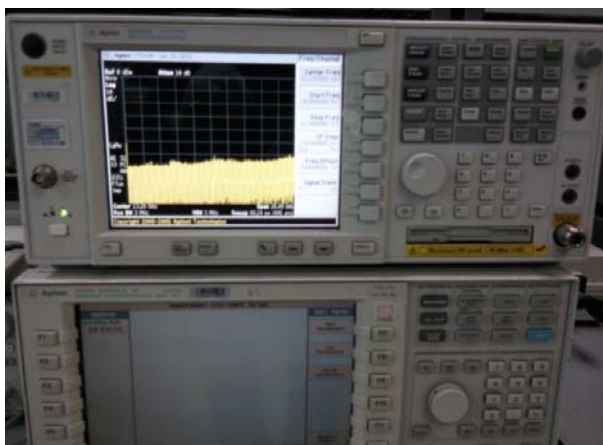
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

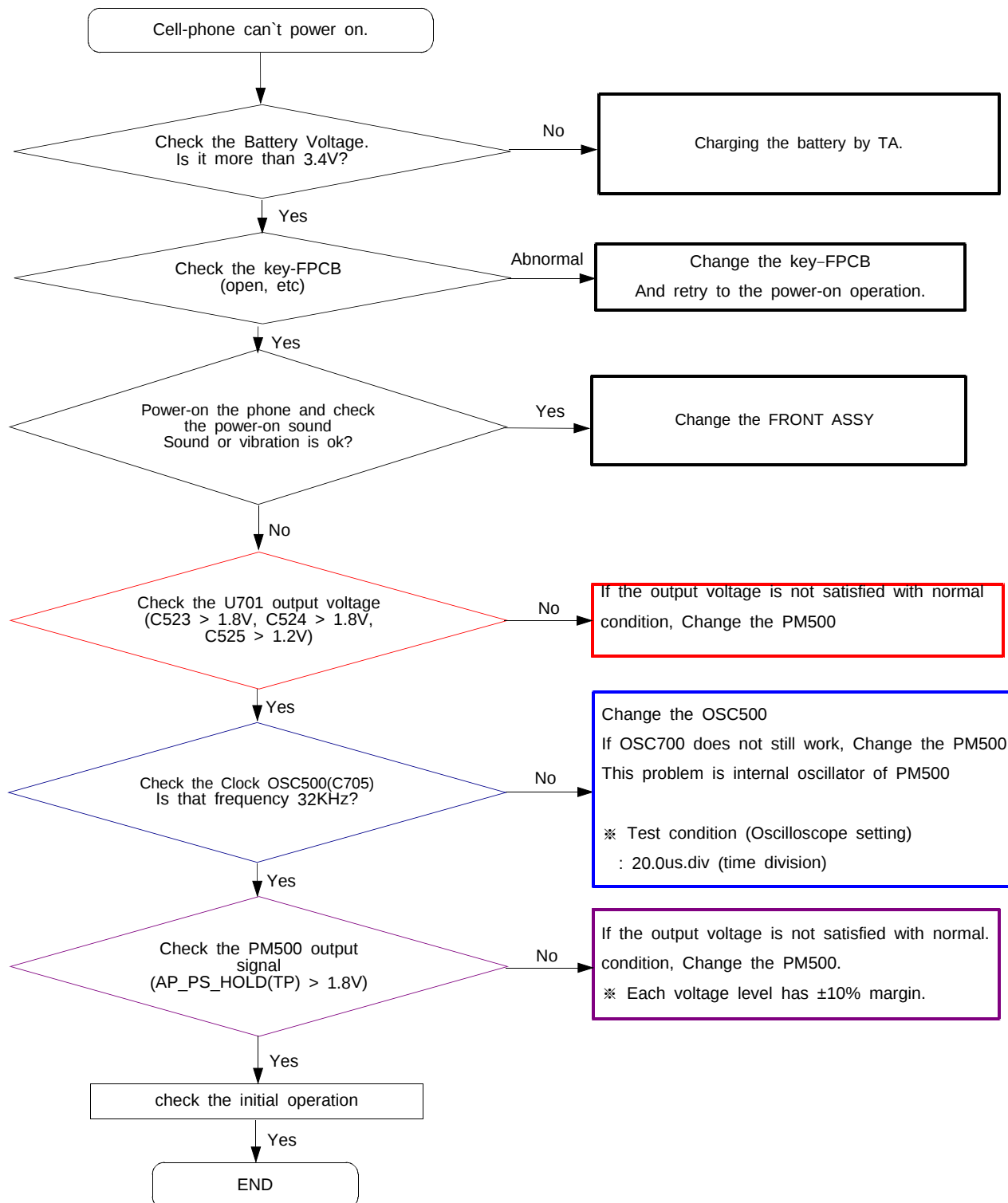


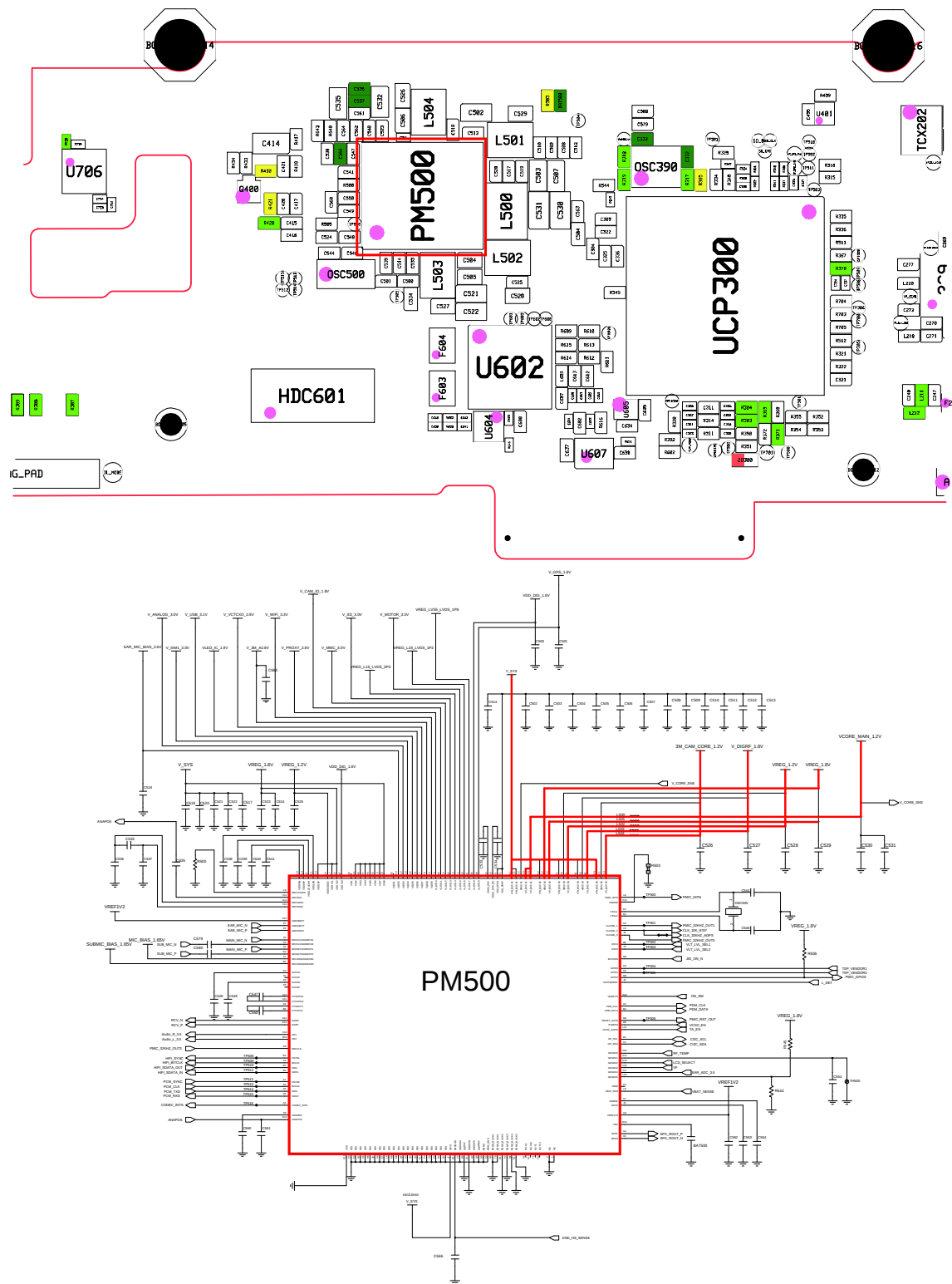
↑ 8960 & Spectrum Analyzer



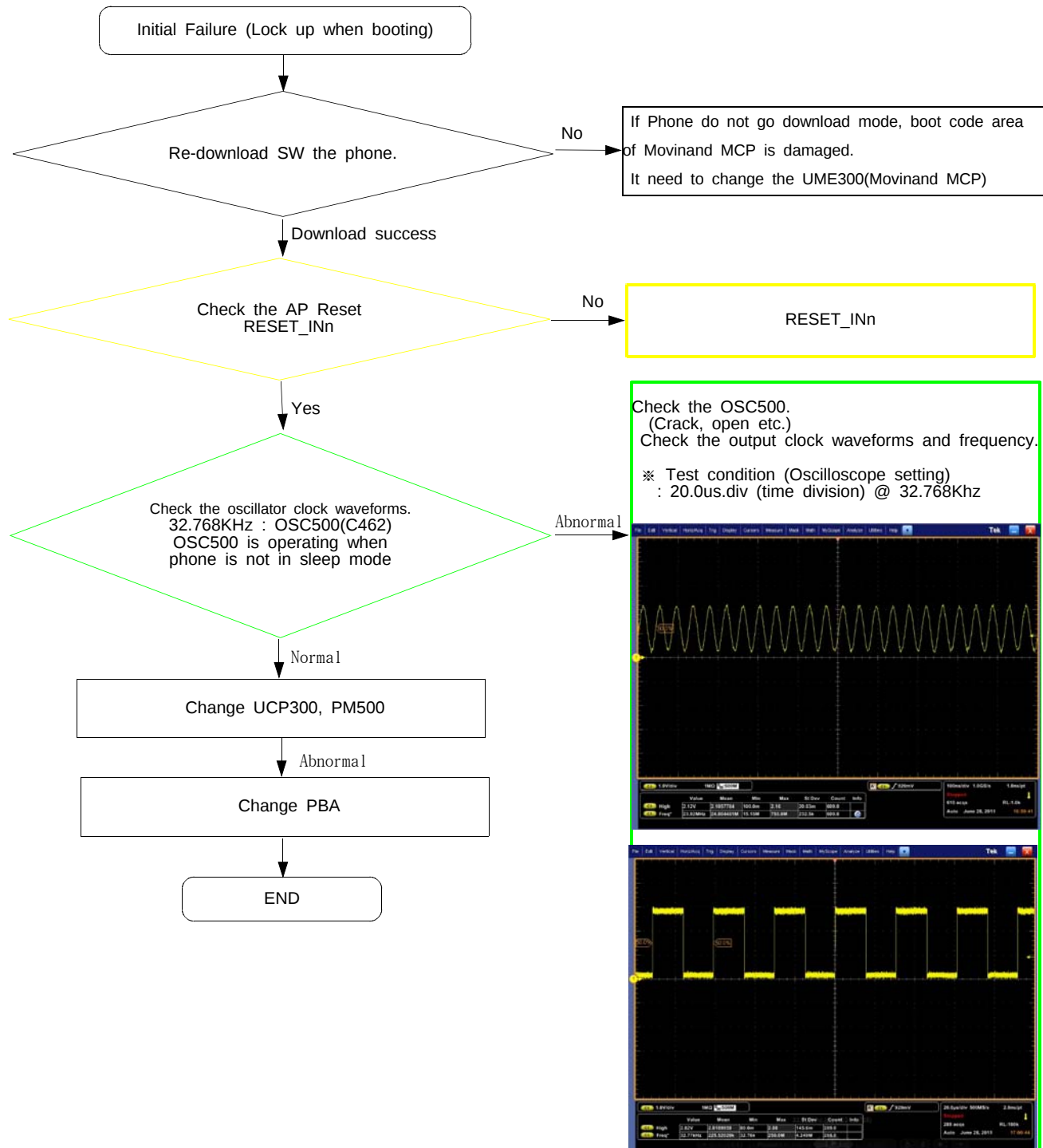
↑ Soldering iron

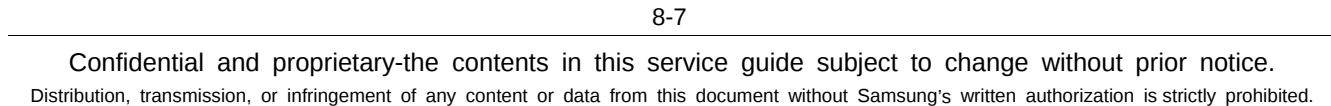
8-3-1. Power On



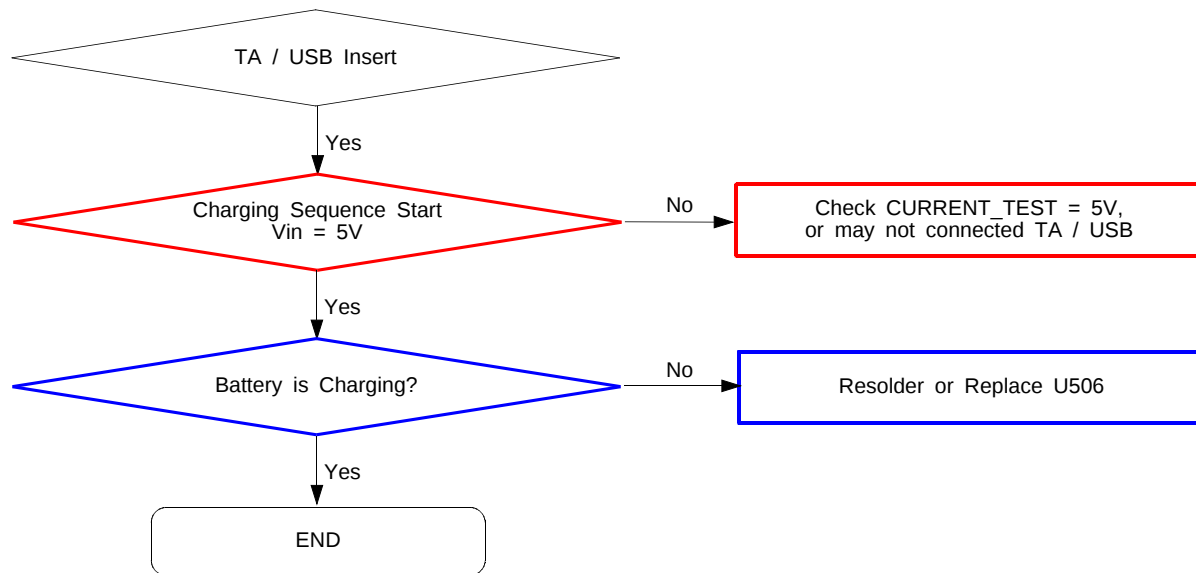


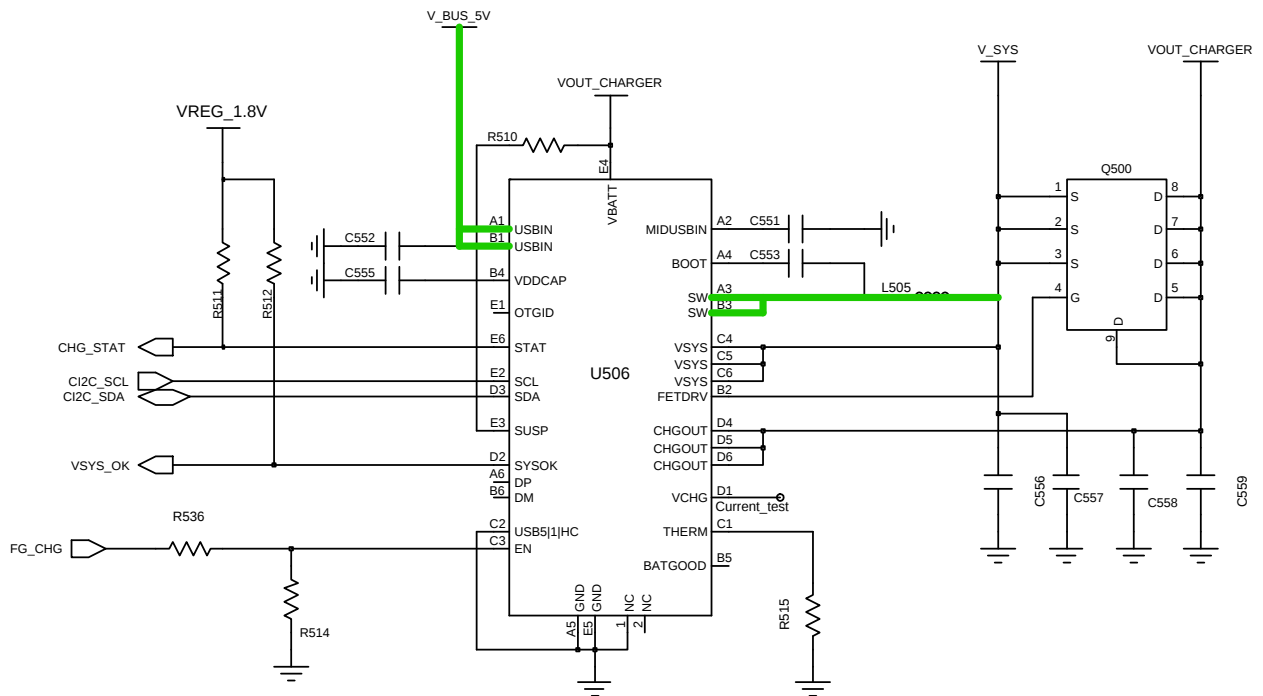
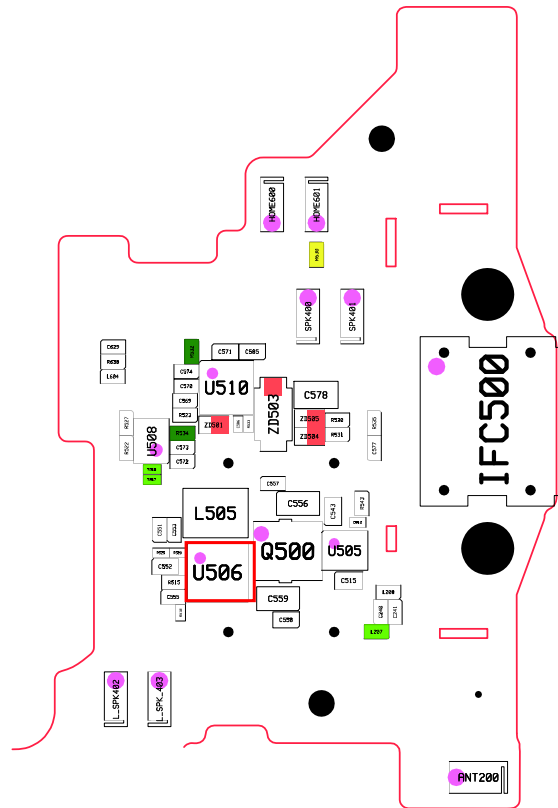
8-3-2. Initial (Lock up)



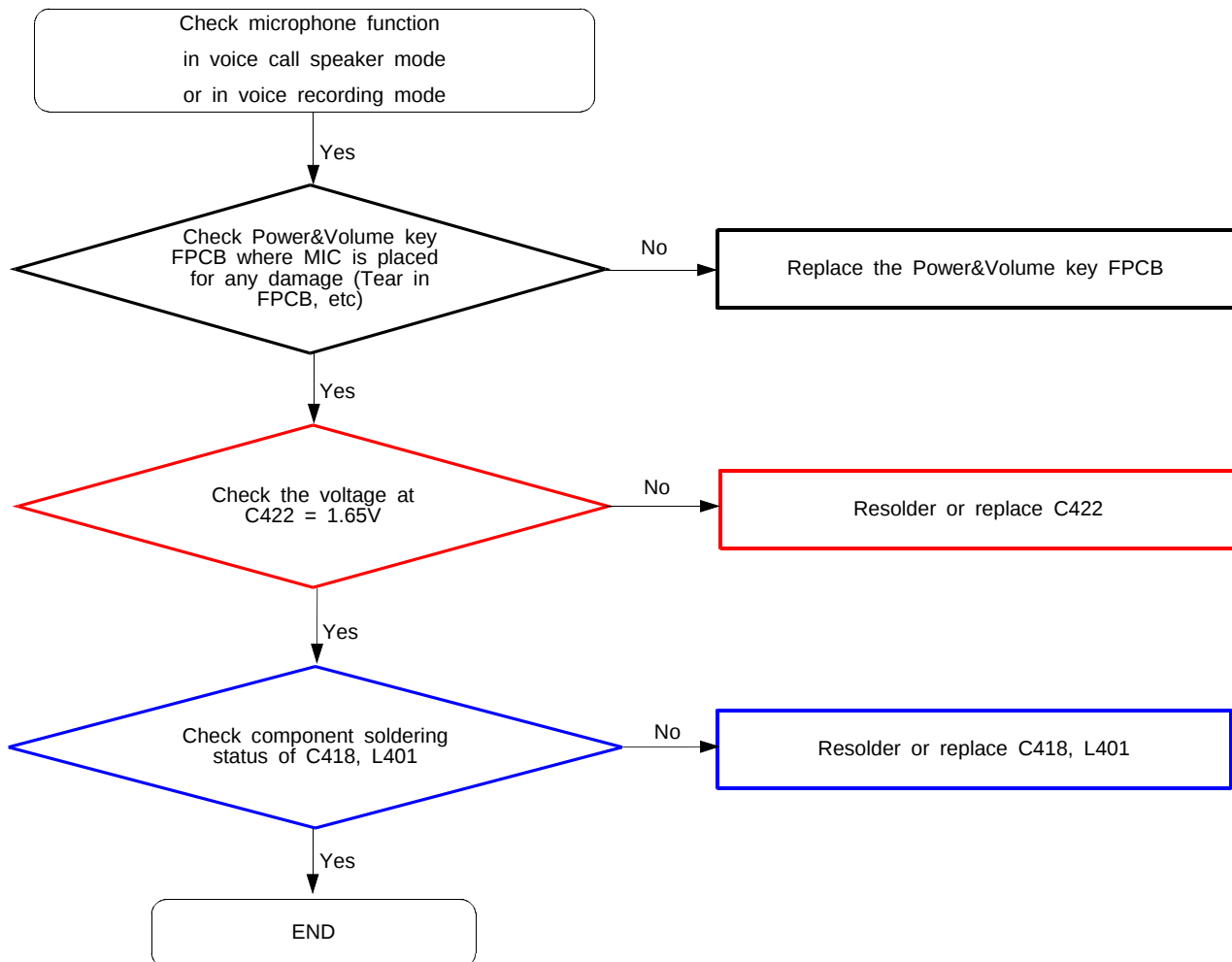


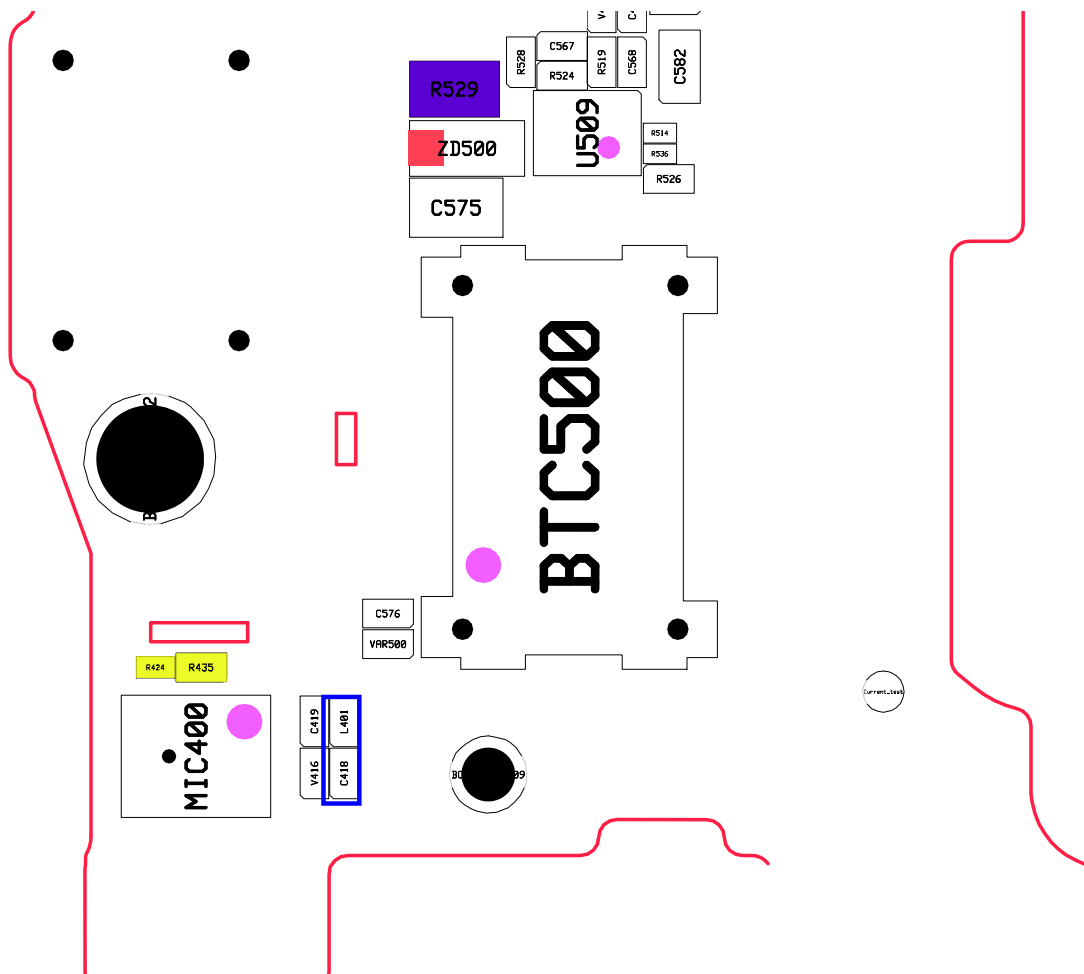
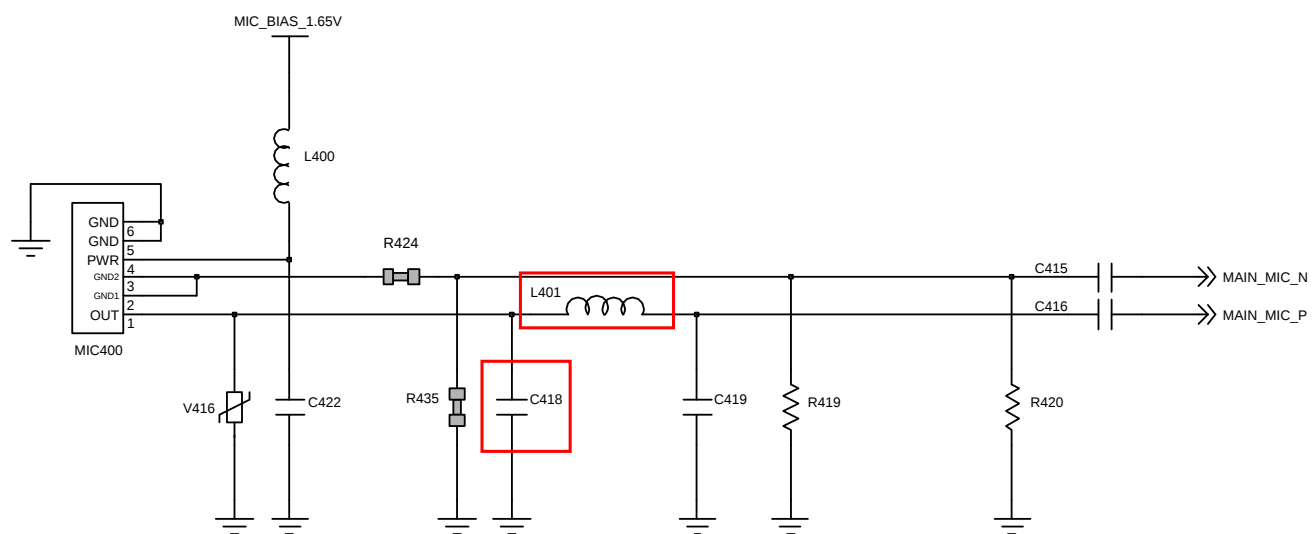
8-3-3. Charging Part



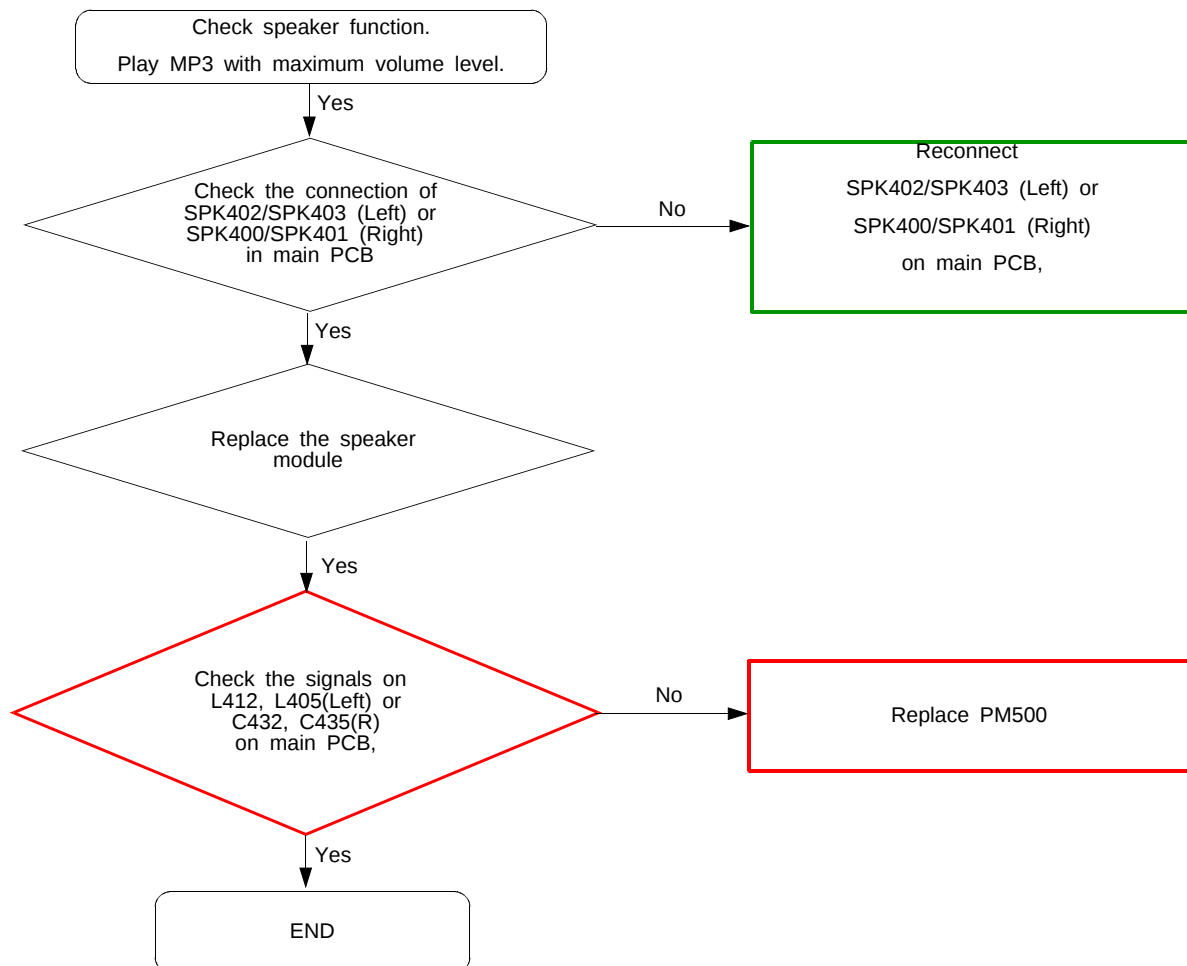


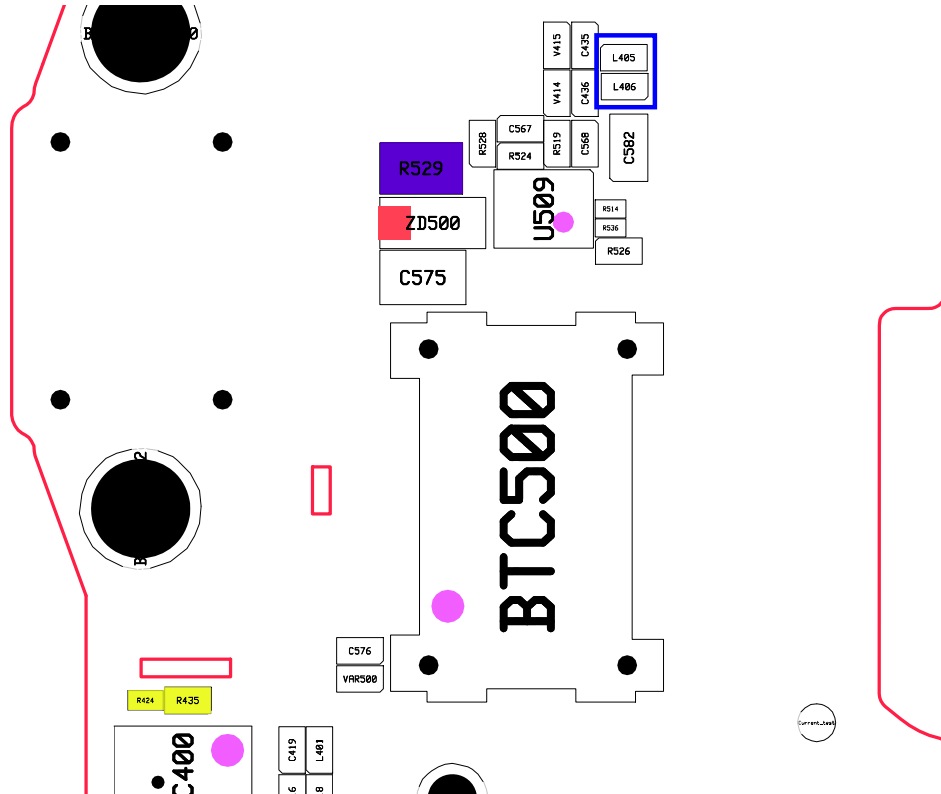
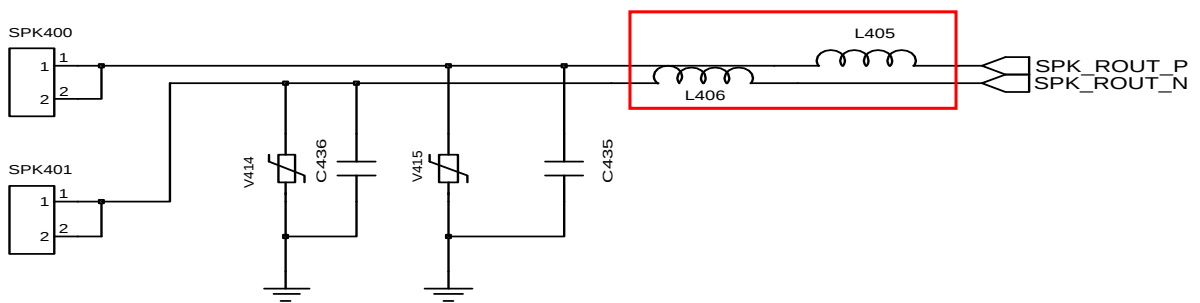
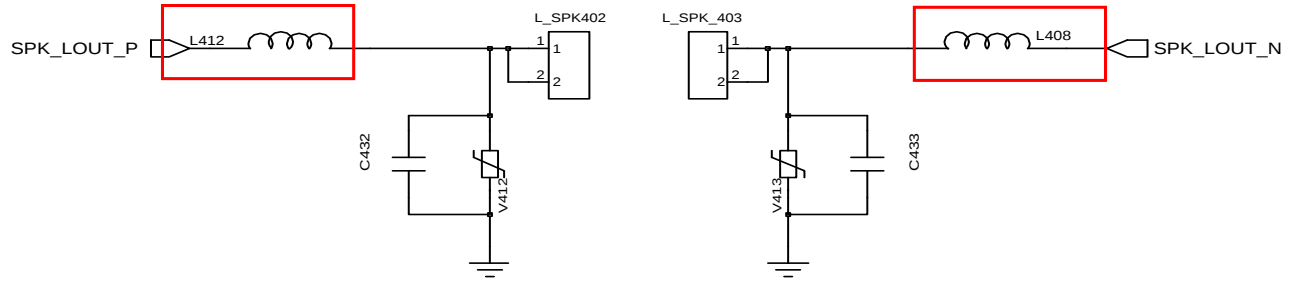
8-3-4. Microphone Part



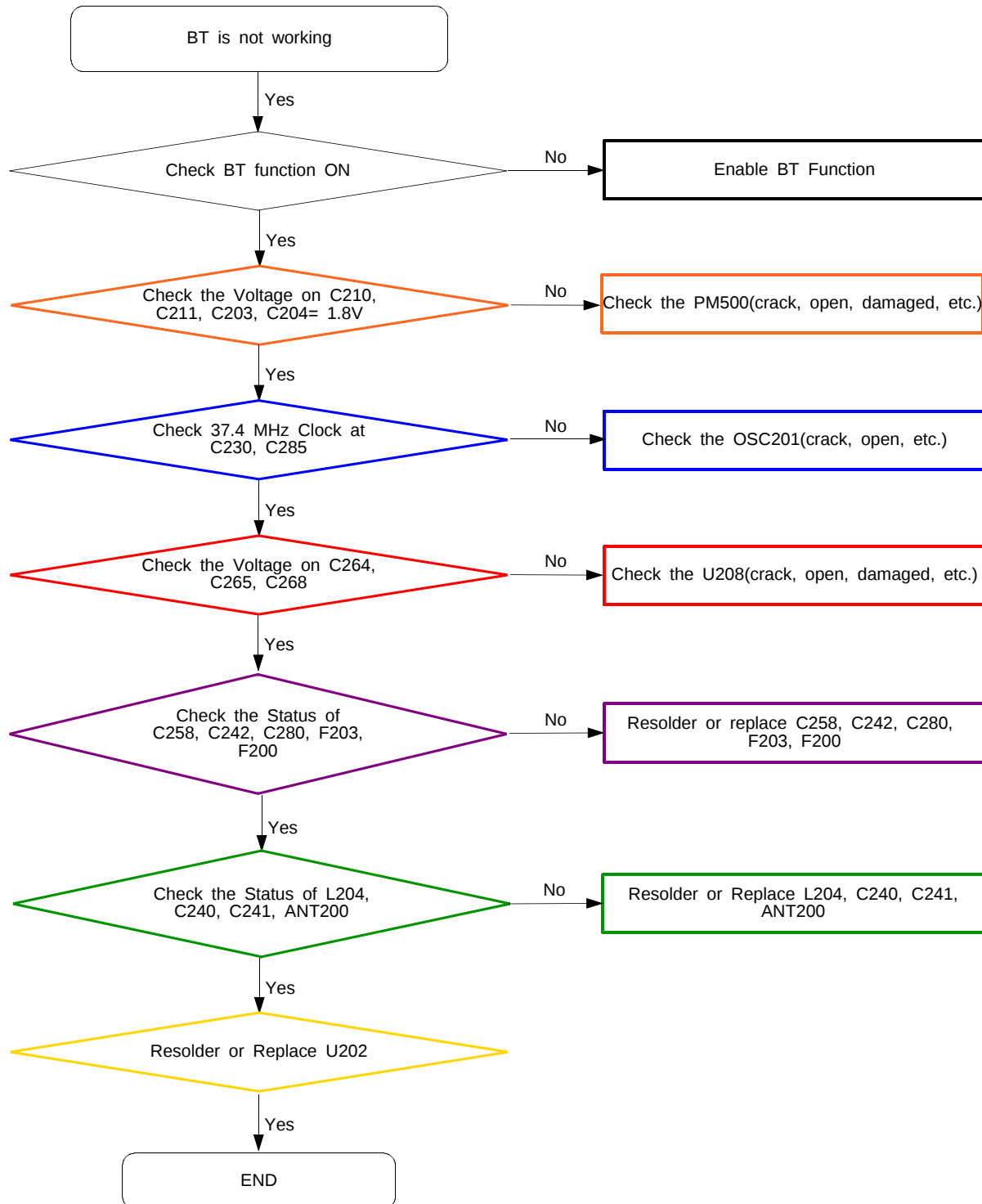


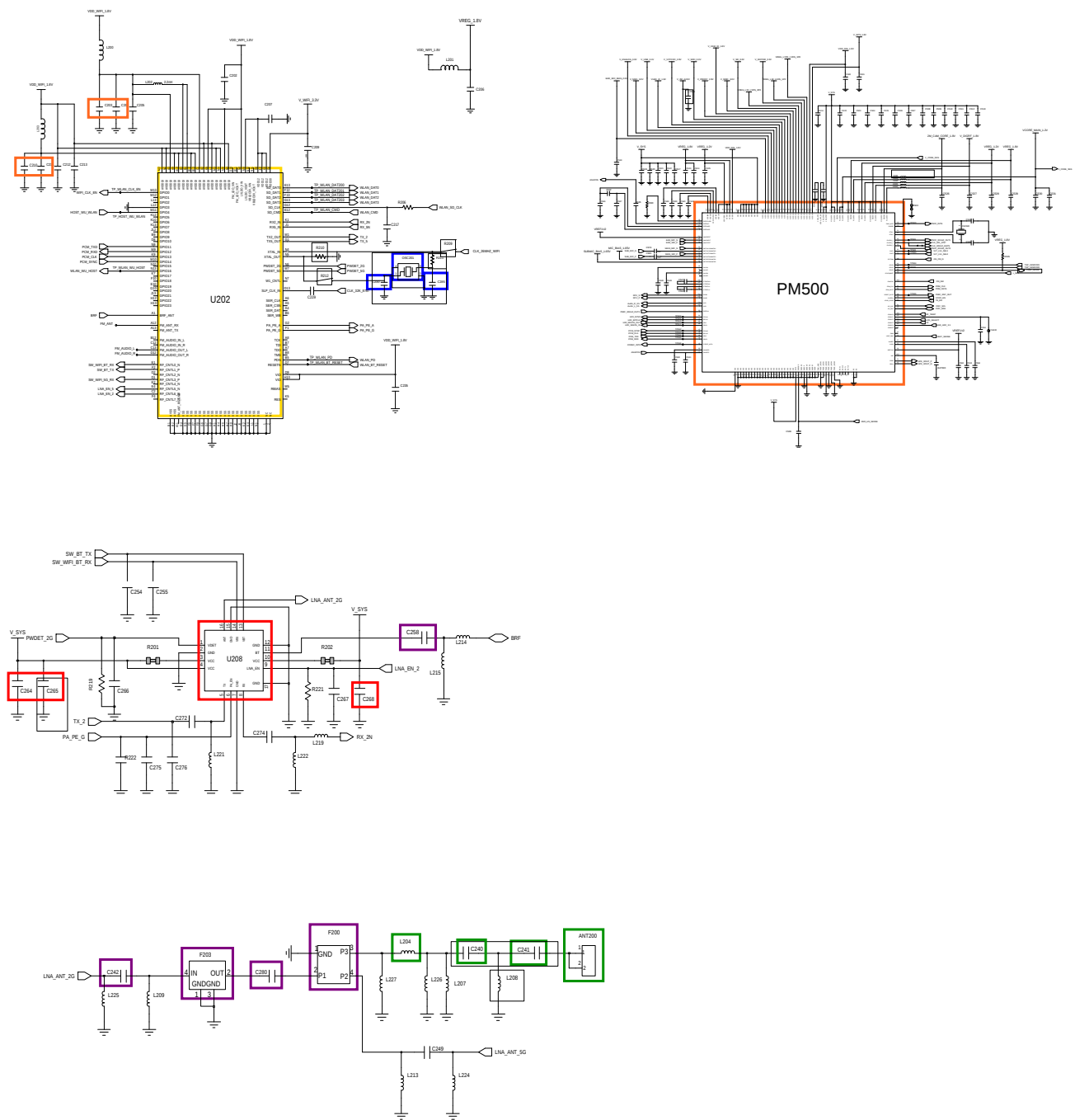
8-3-5. Speaker Part

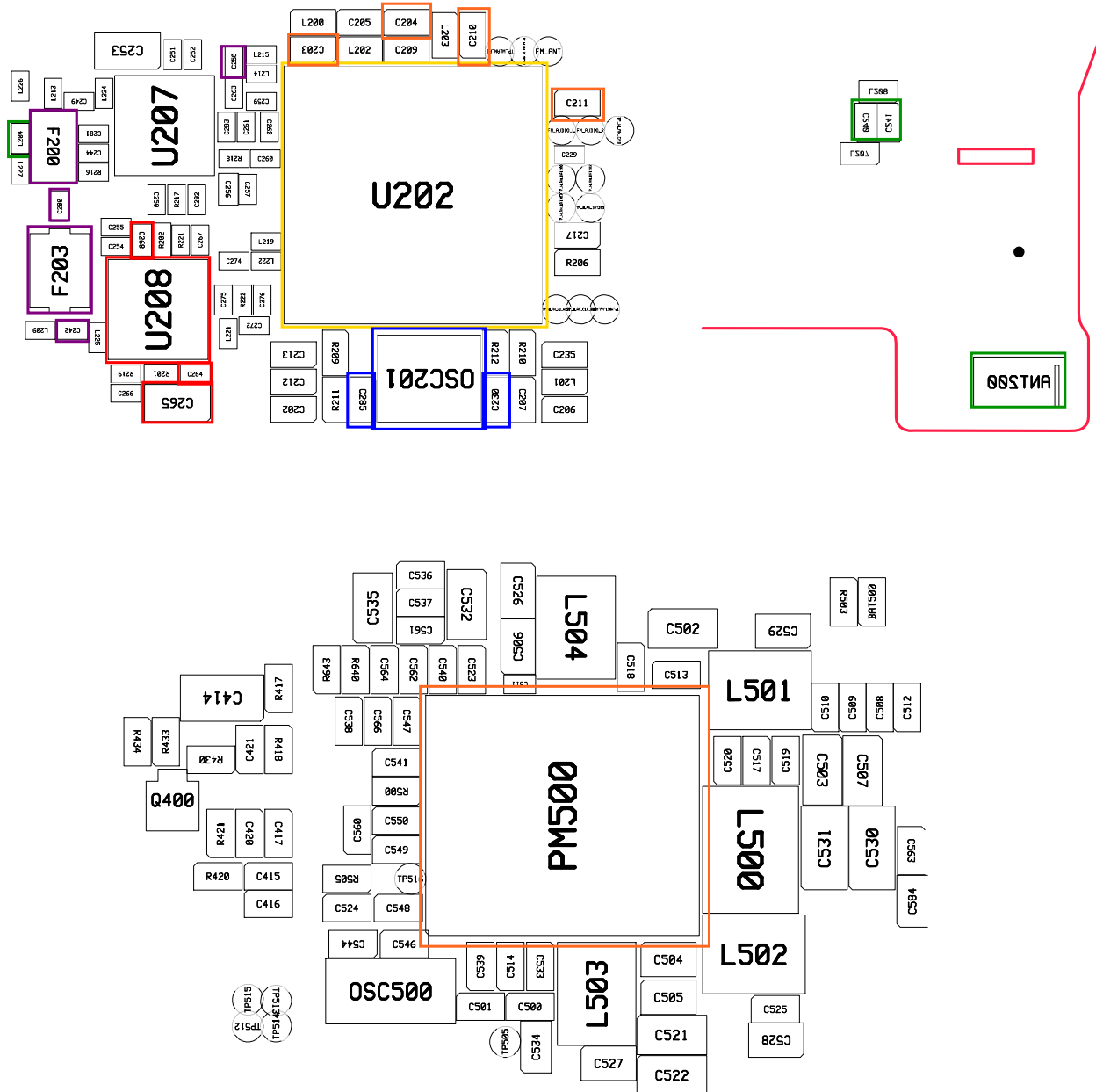




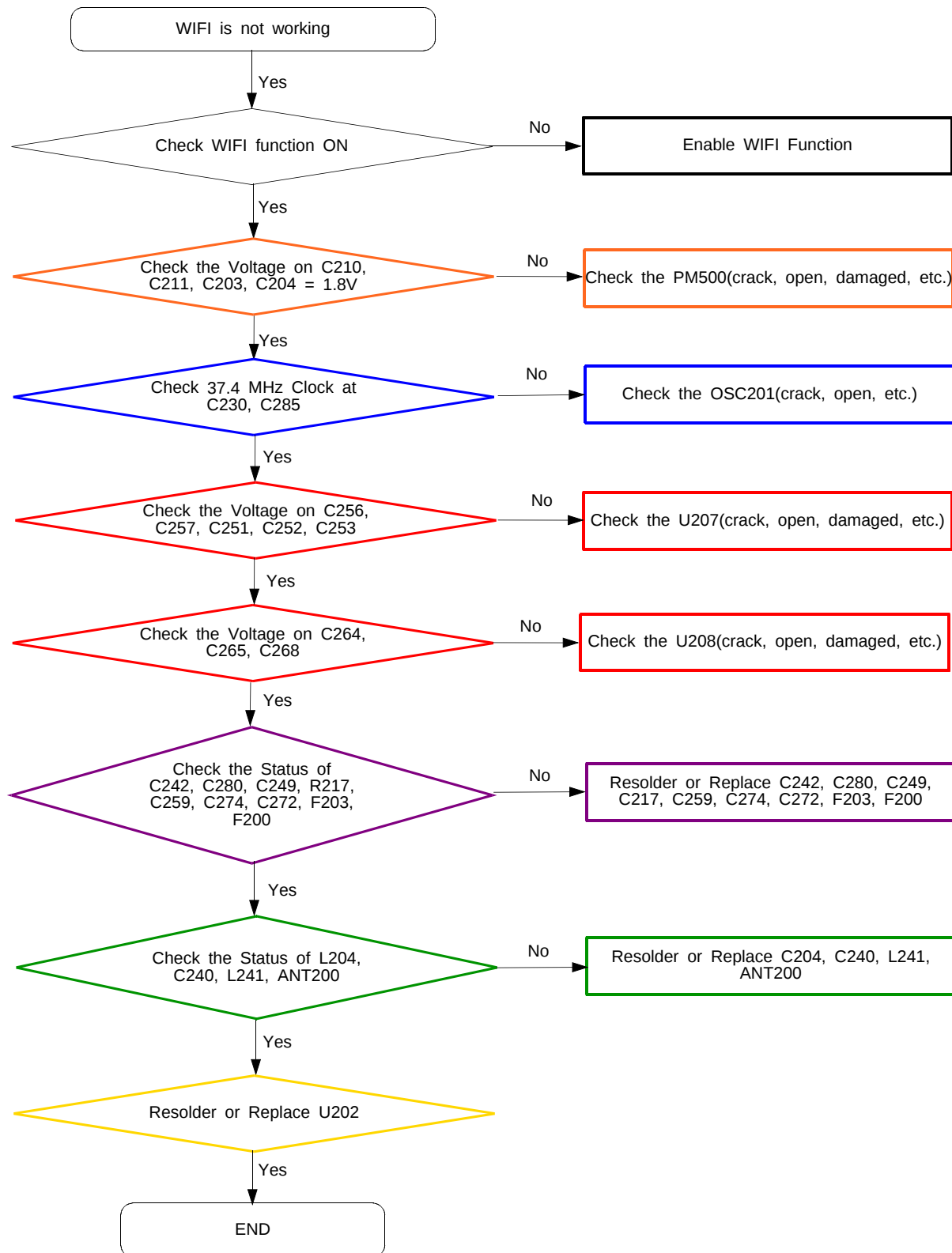
8-3-6. BT Part

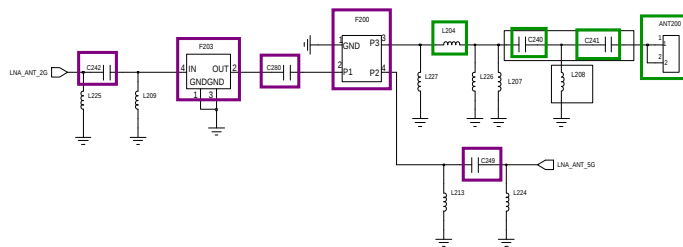
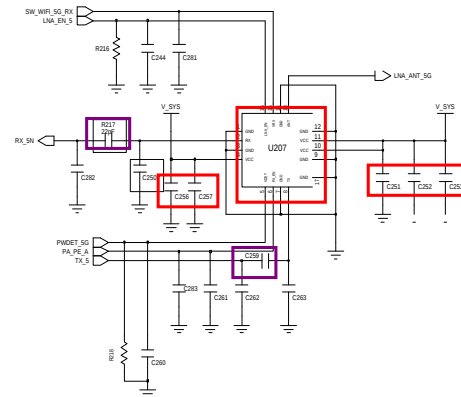
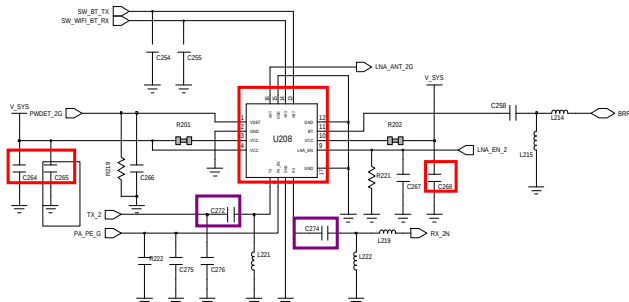
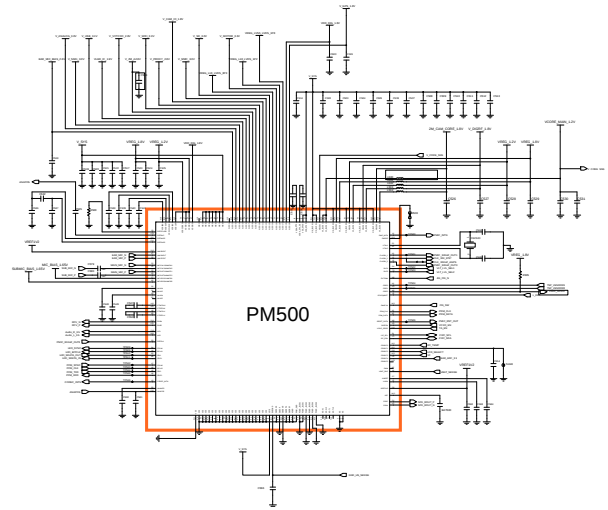
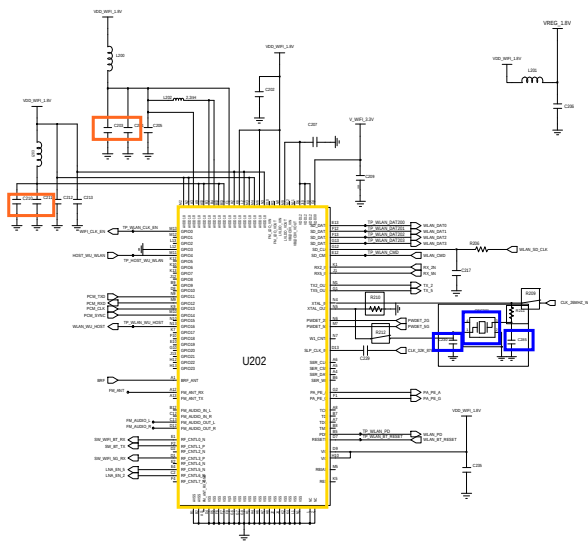


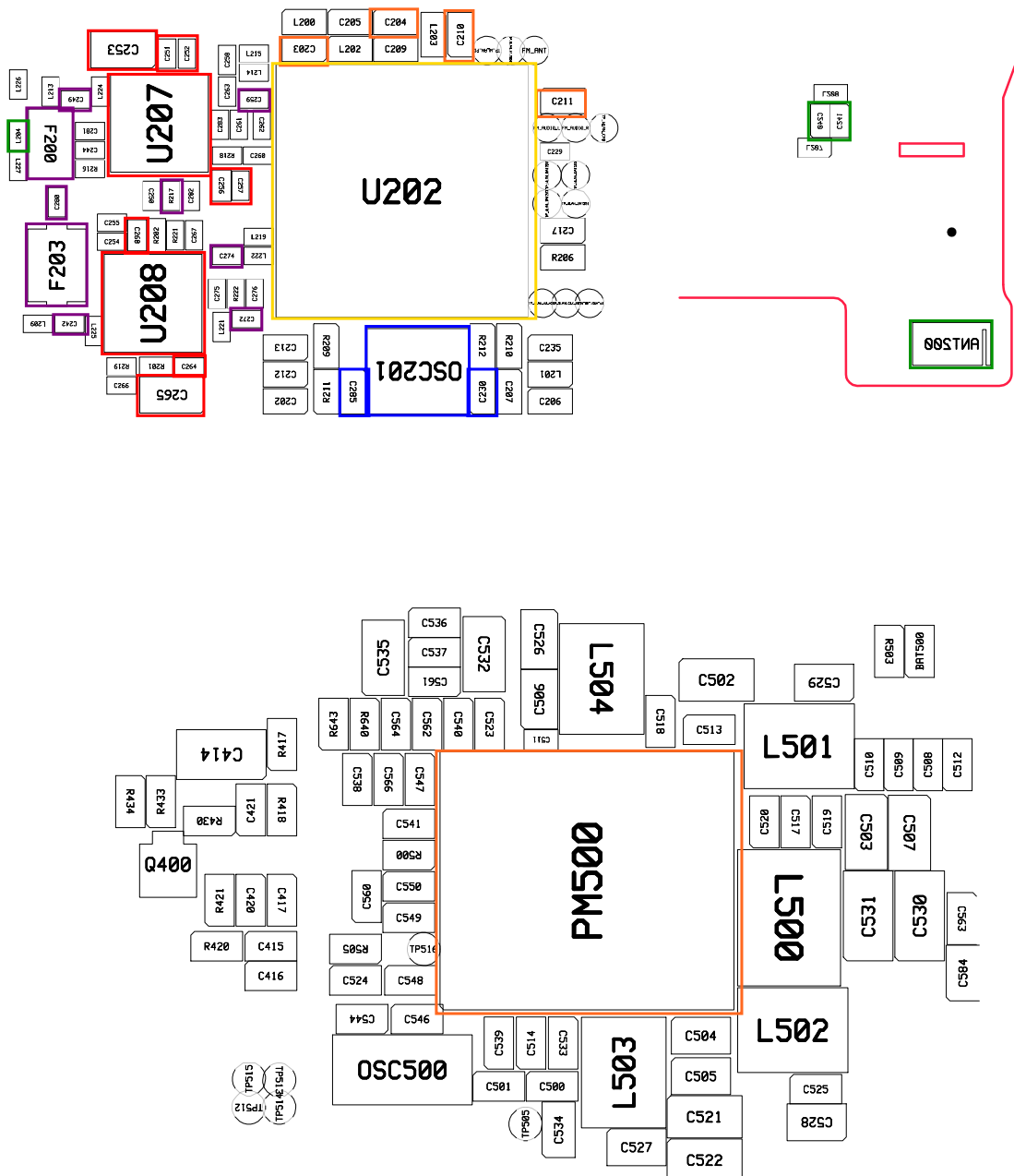




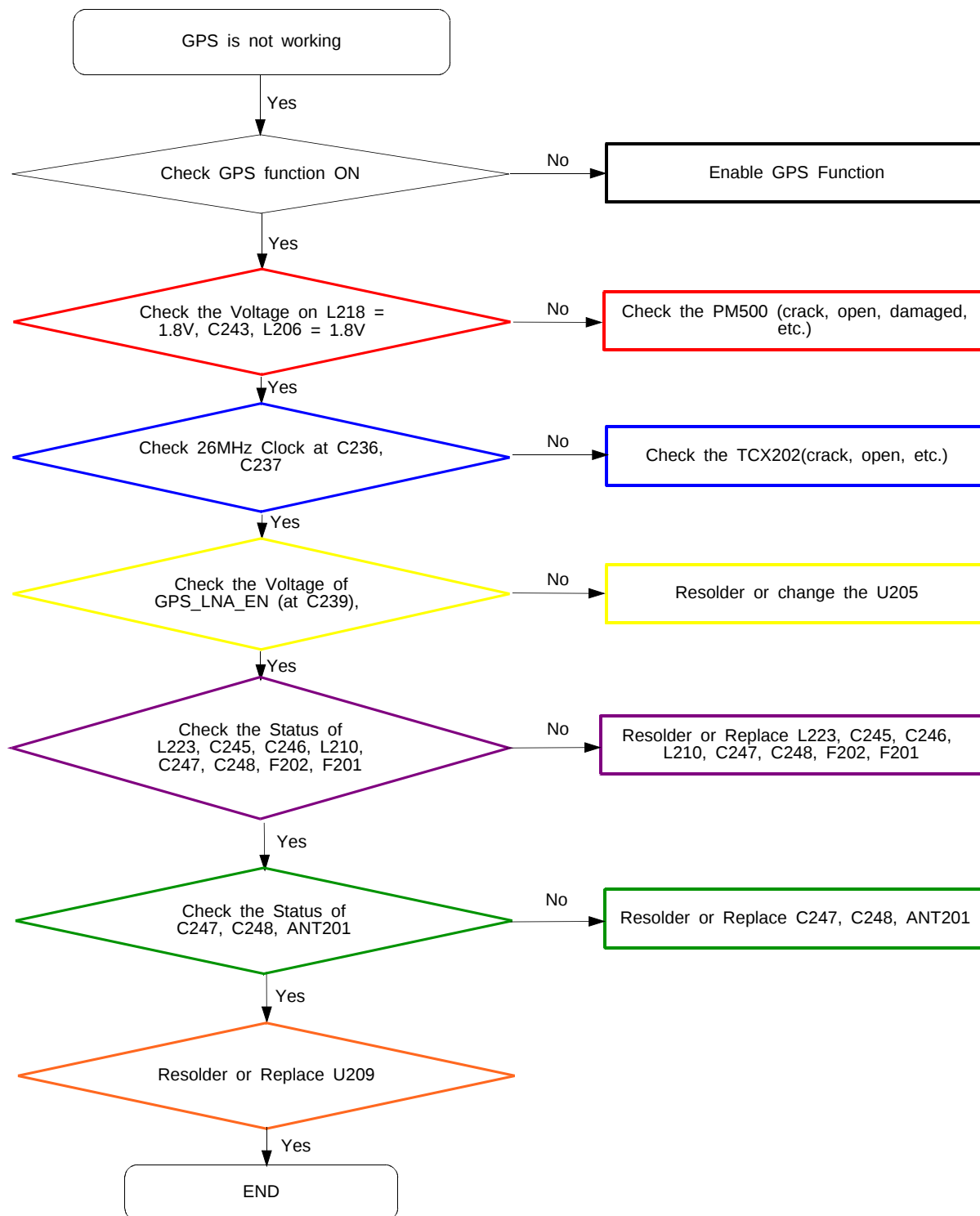
8-3-7. WIFI Part

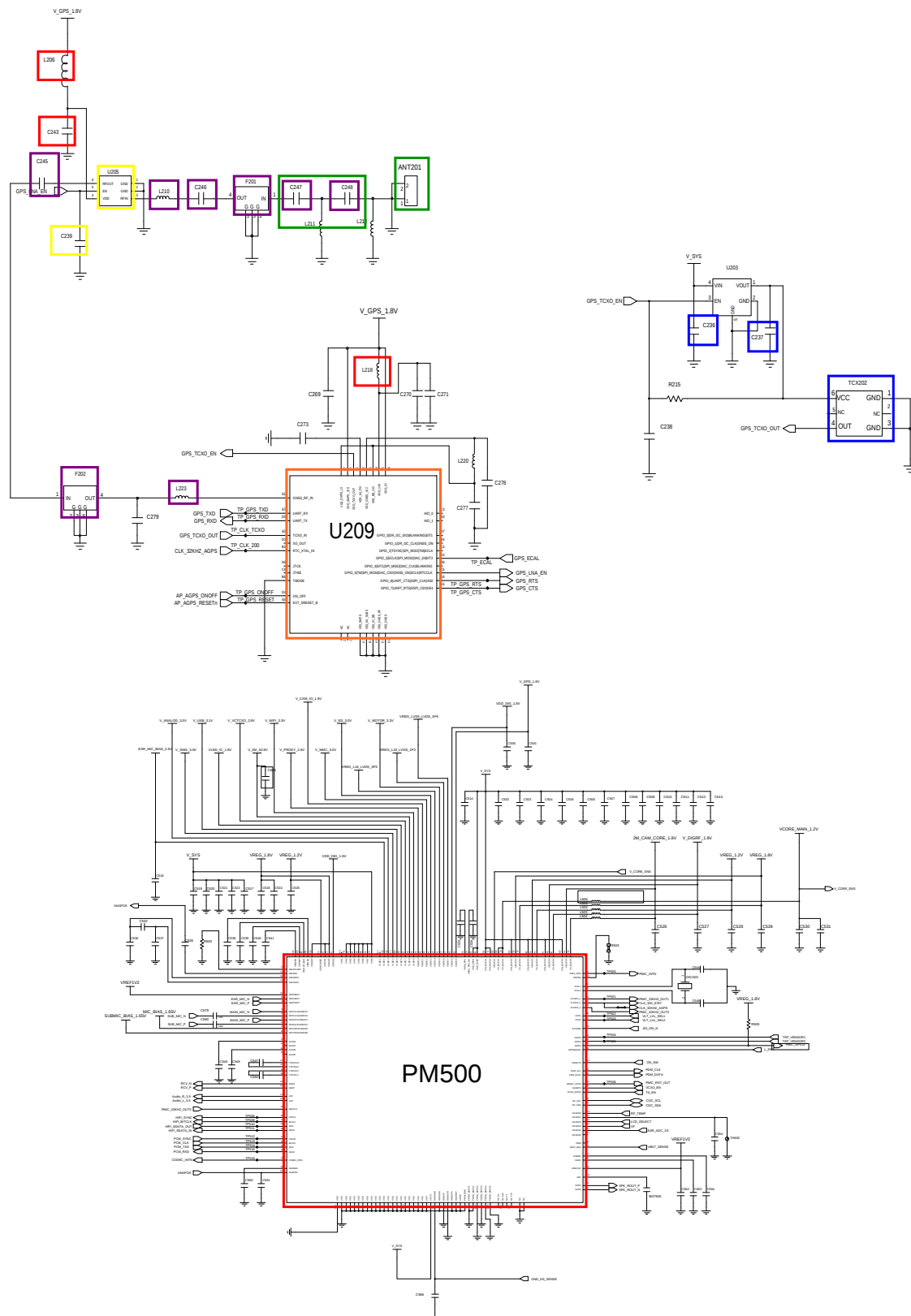


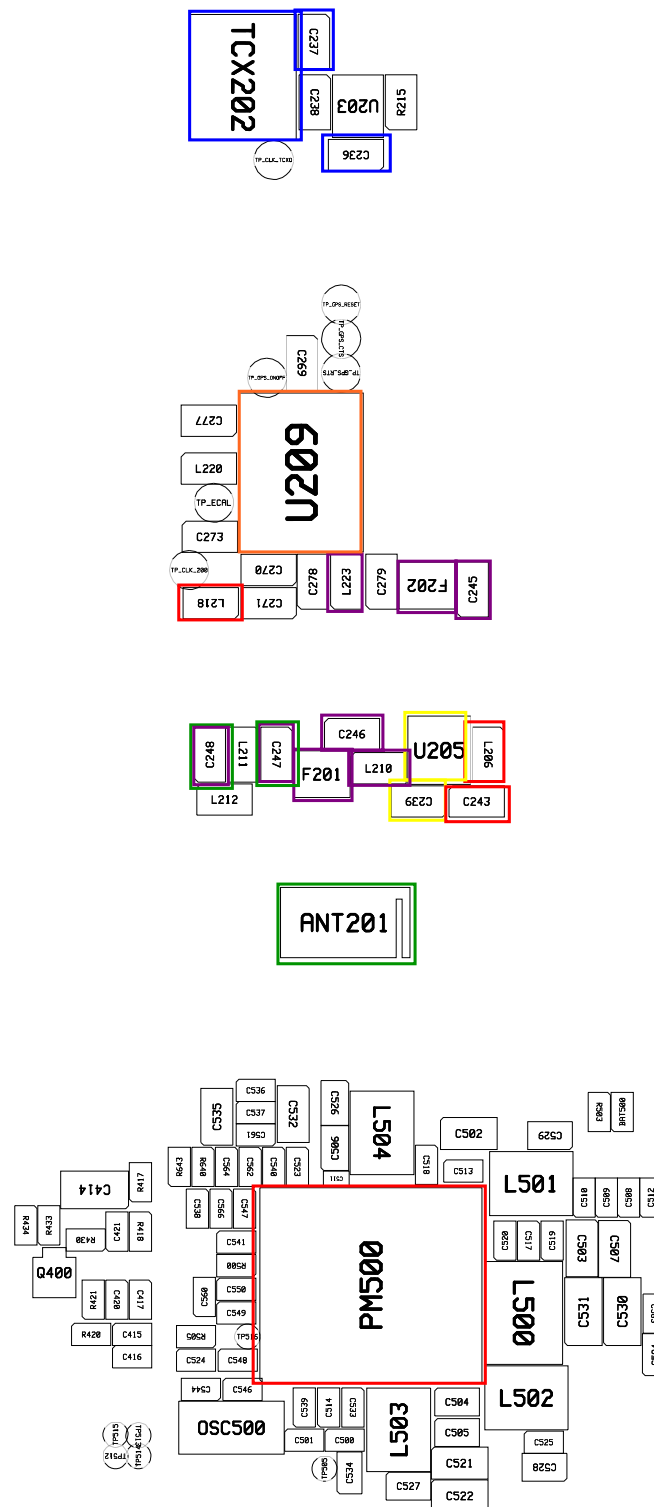




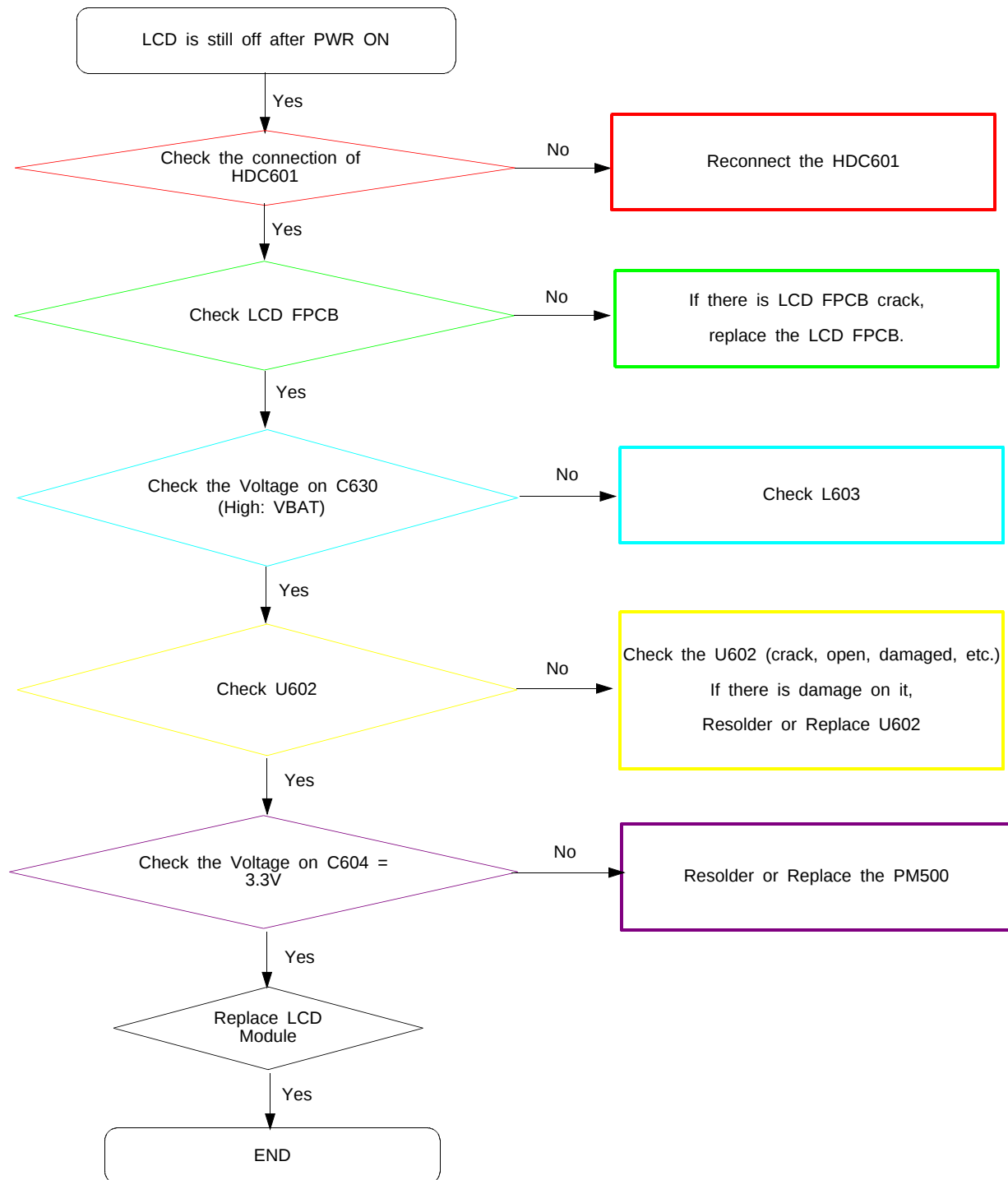
8-3-8. GPS Part

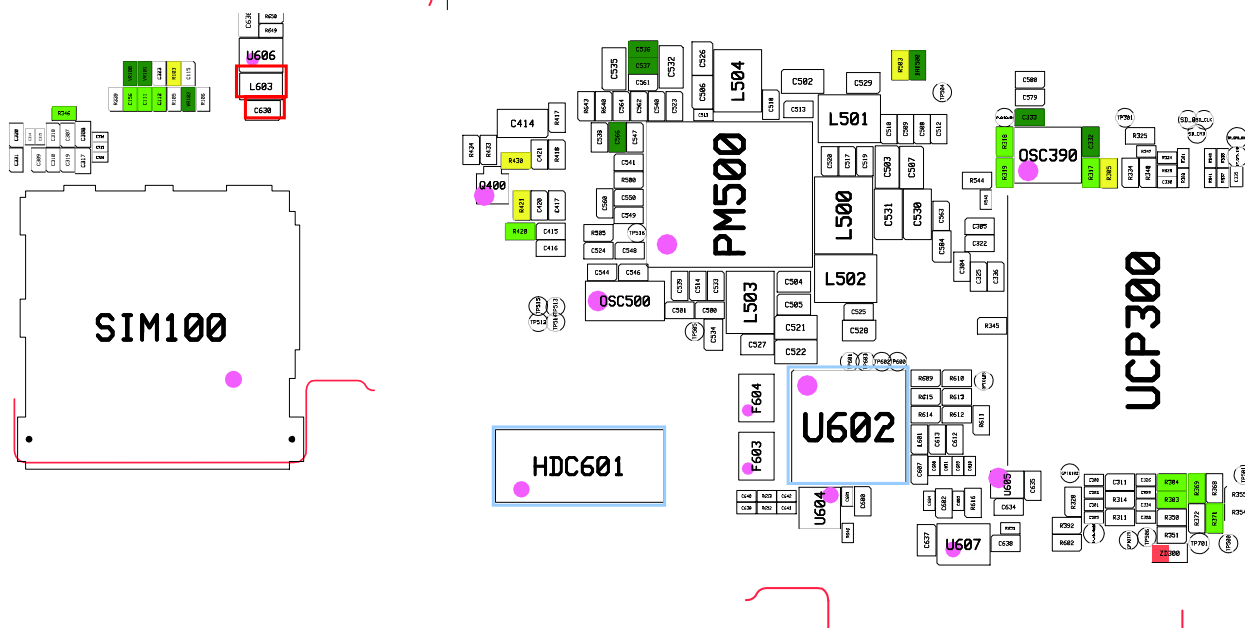
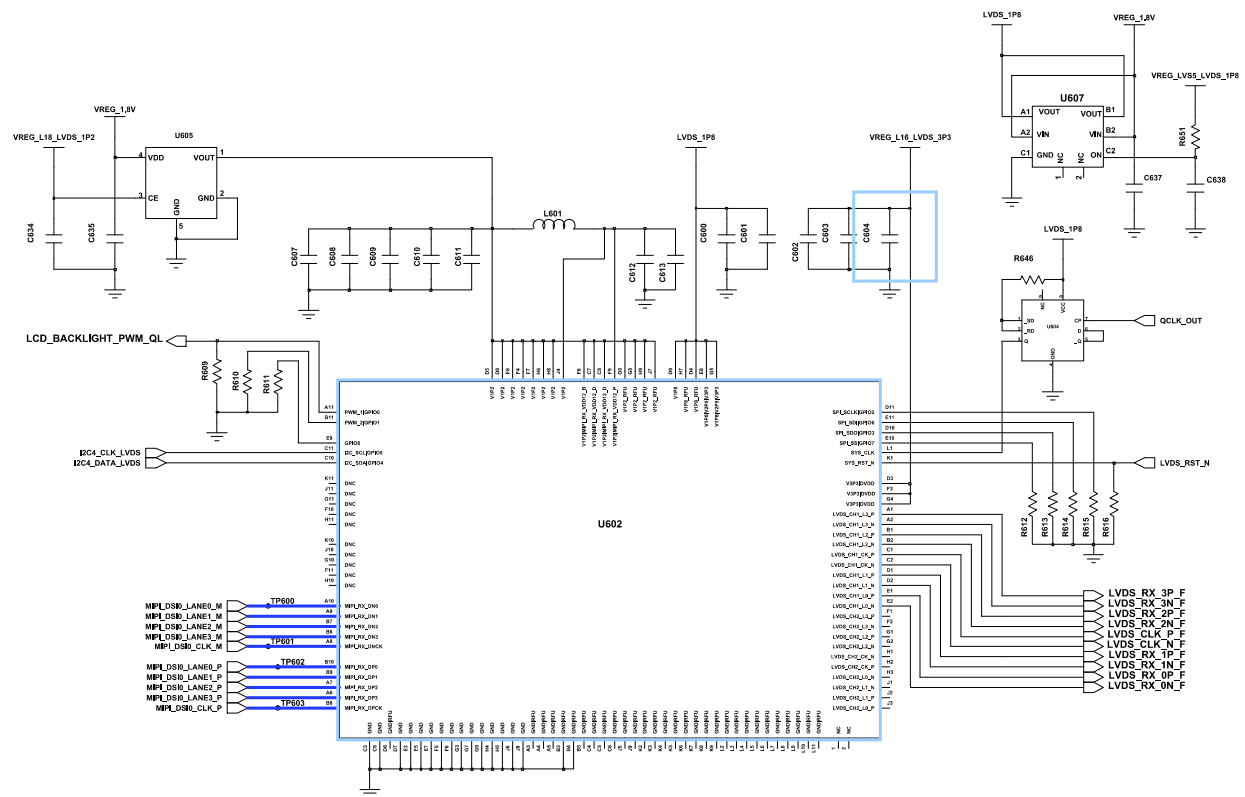




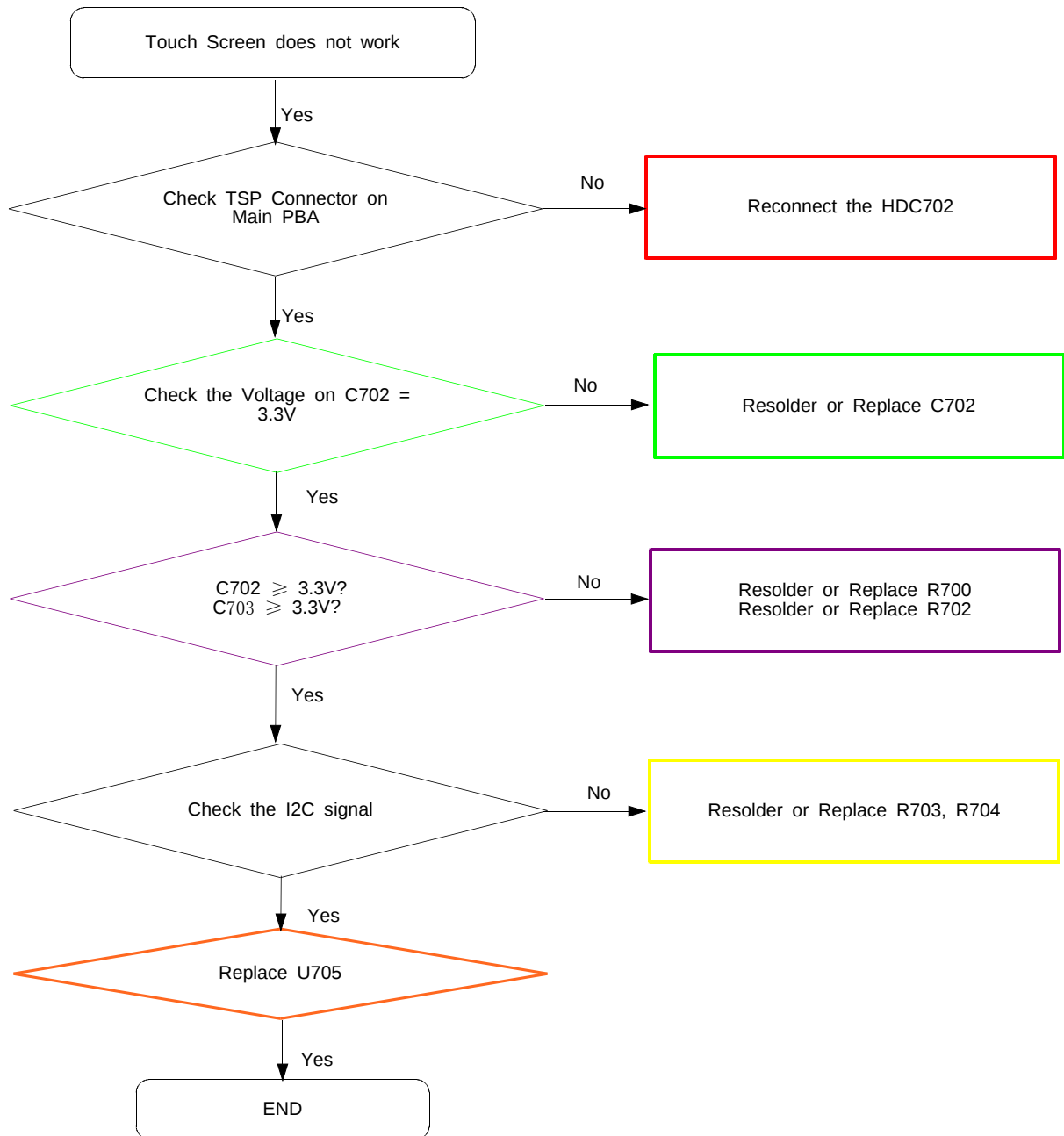


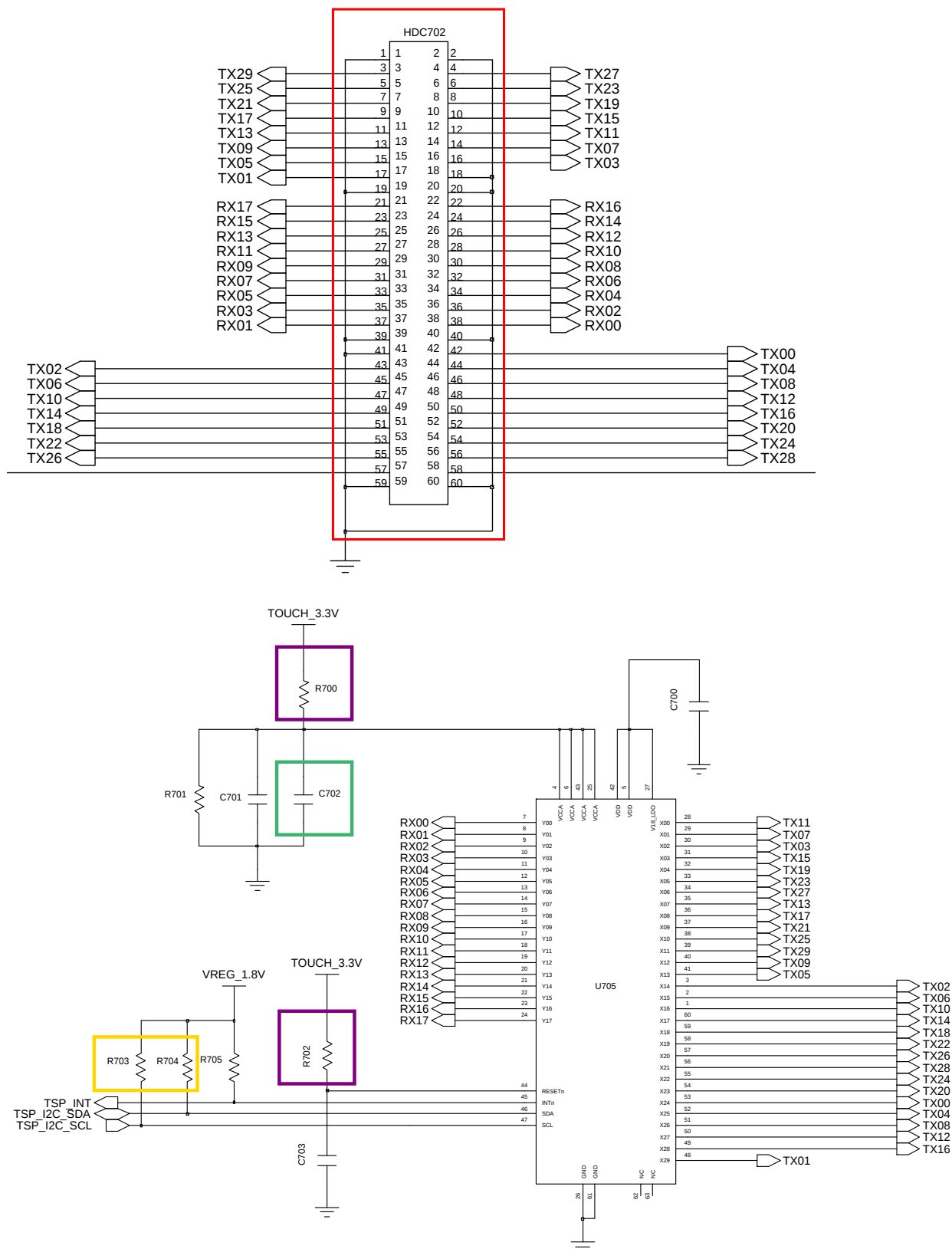
8-3-9. LCD

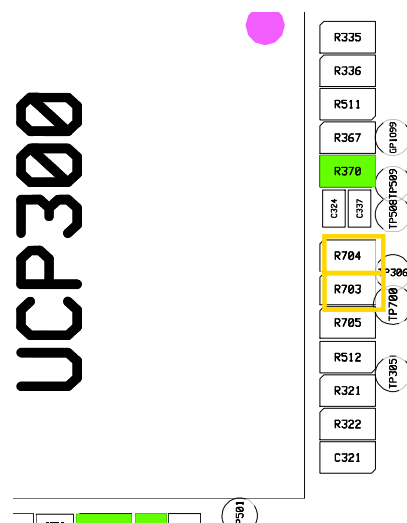
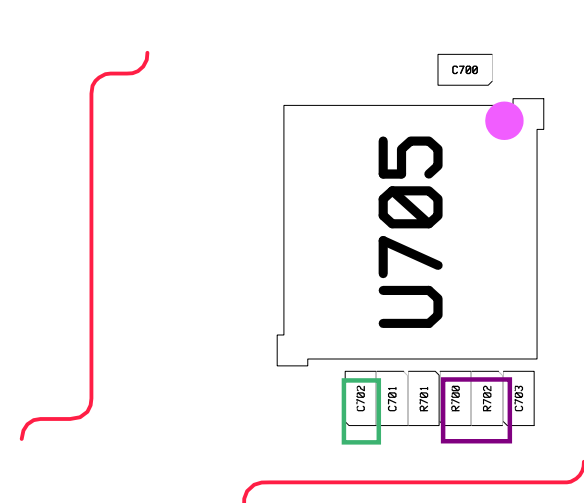
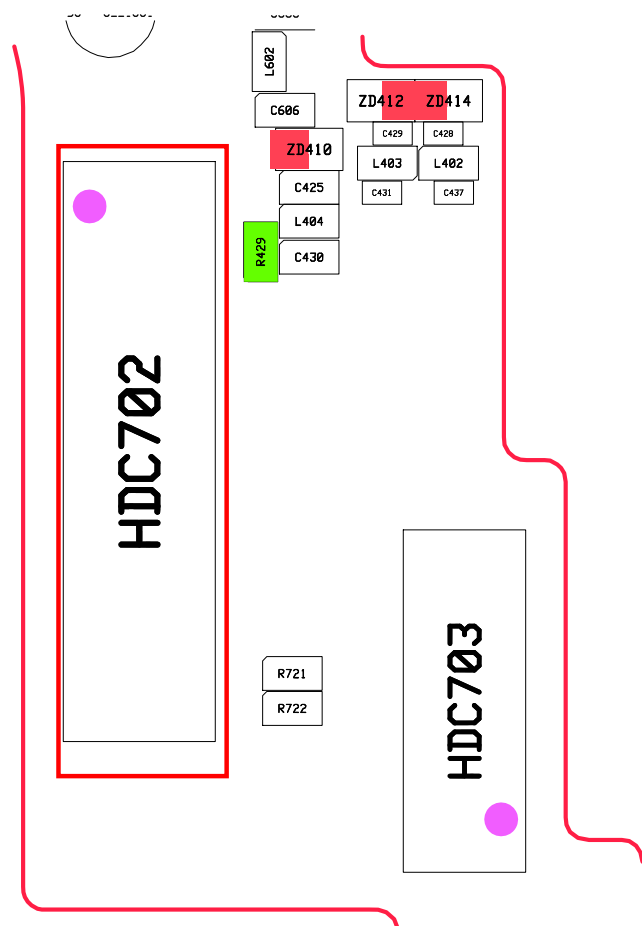




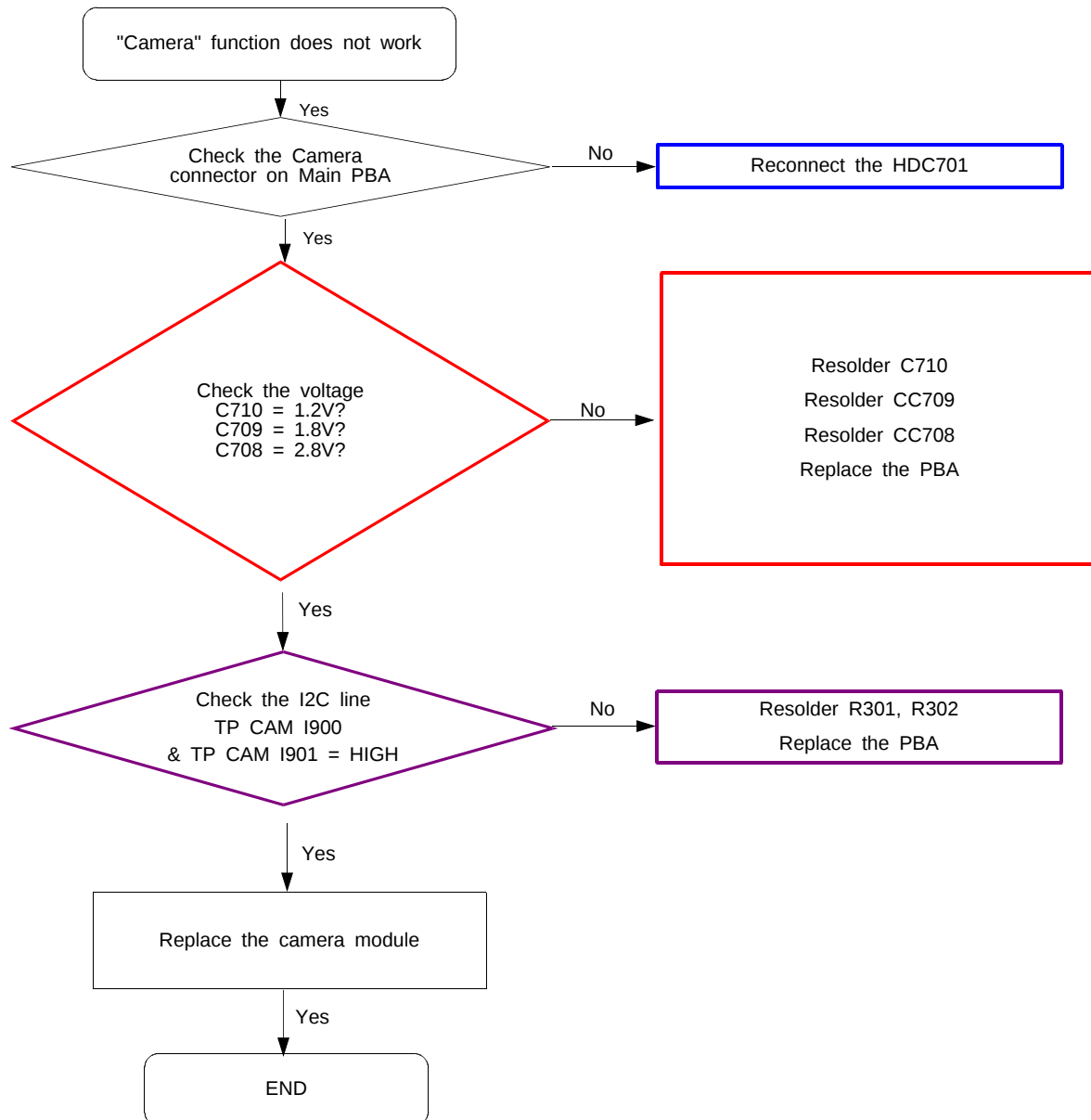
8-3-10. TSP

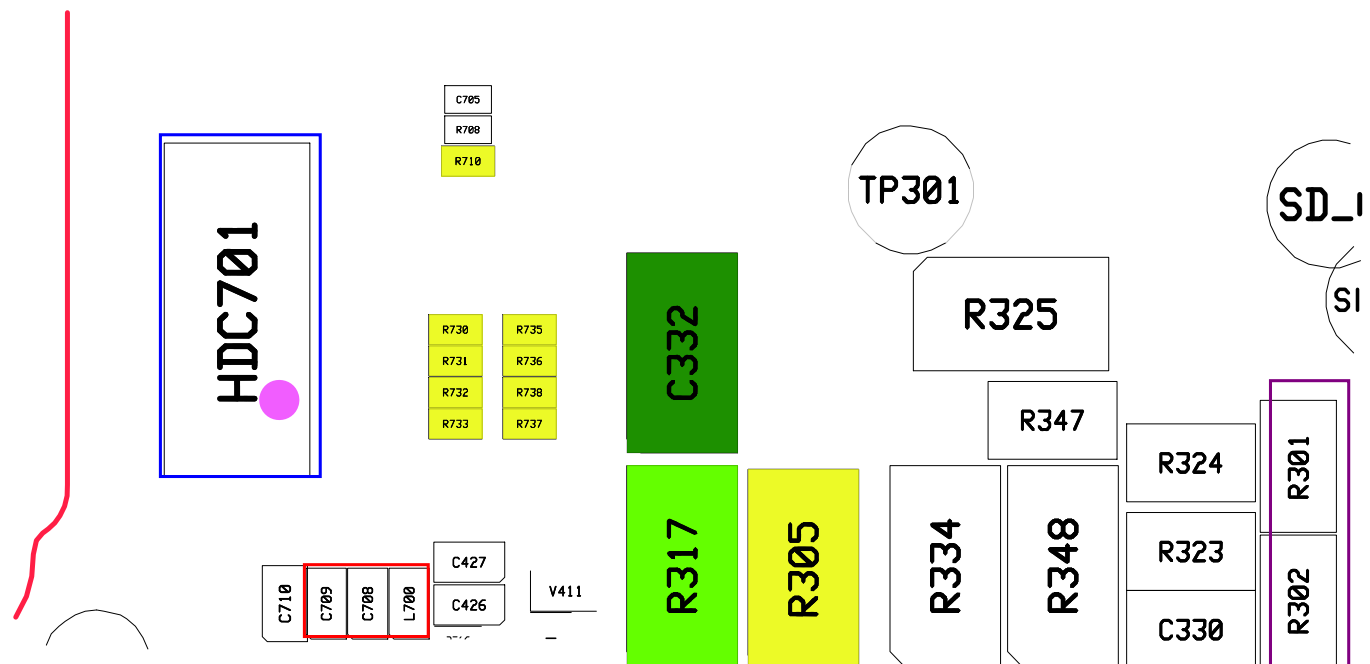
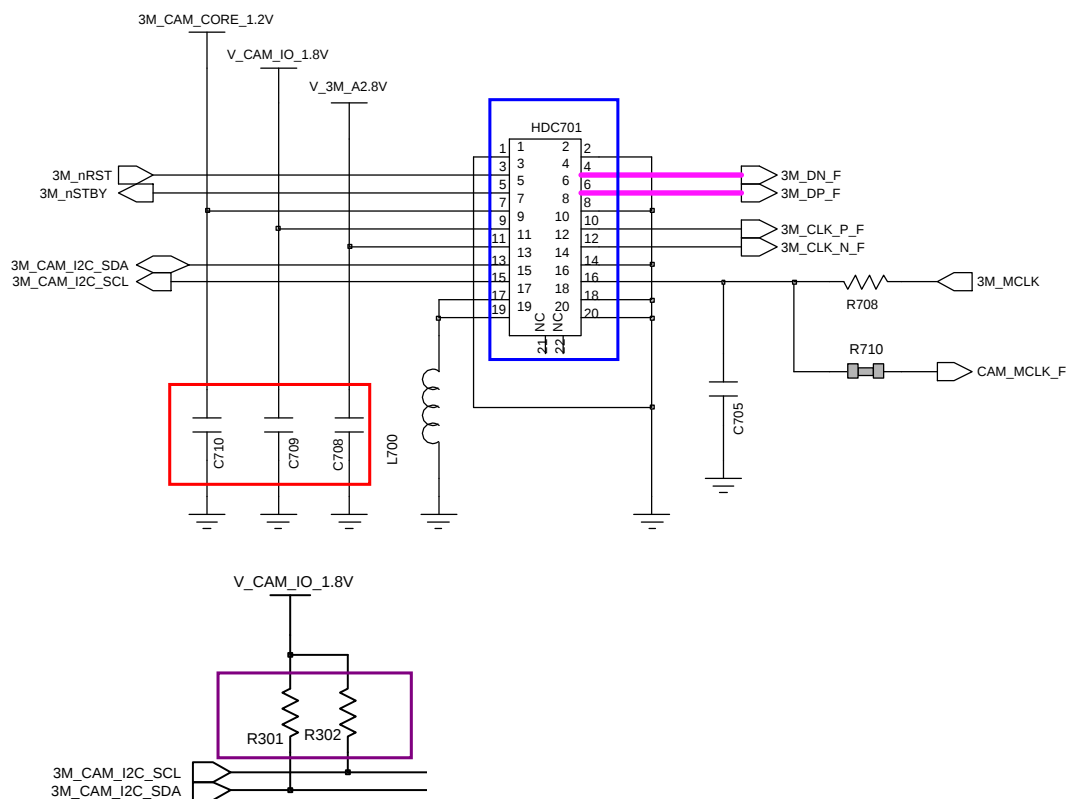




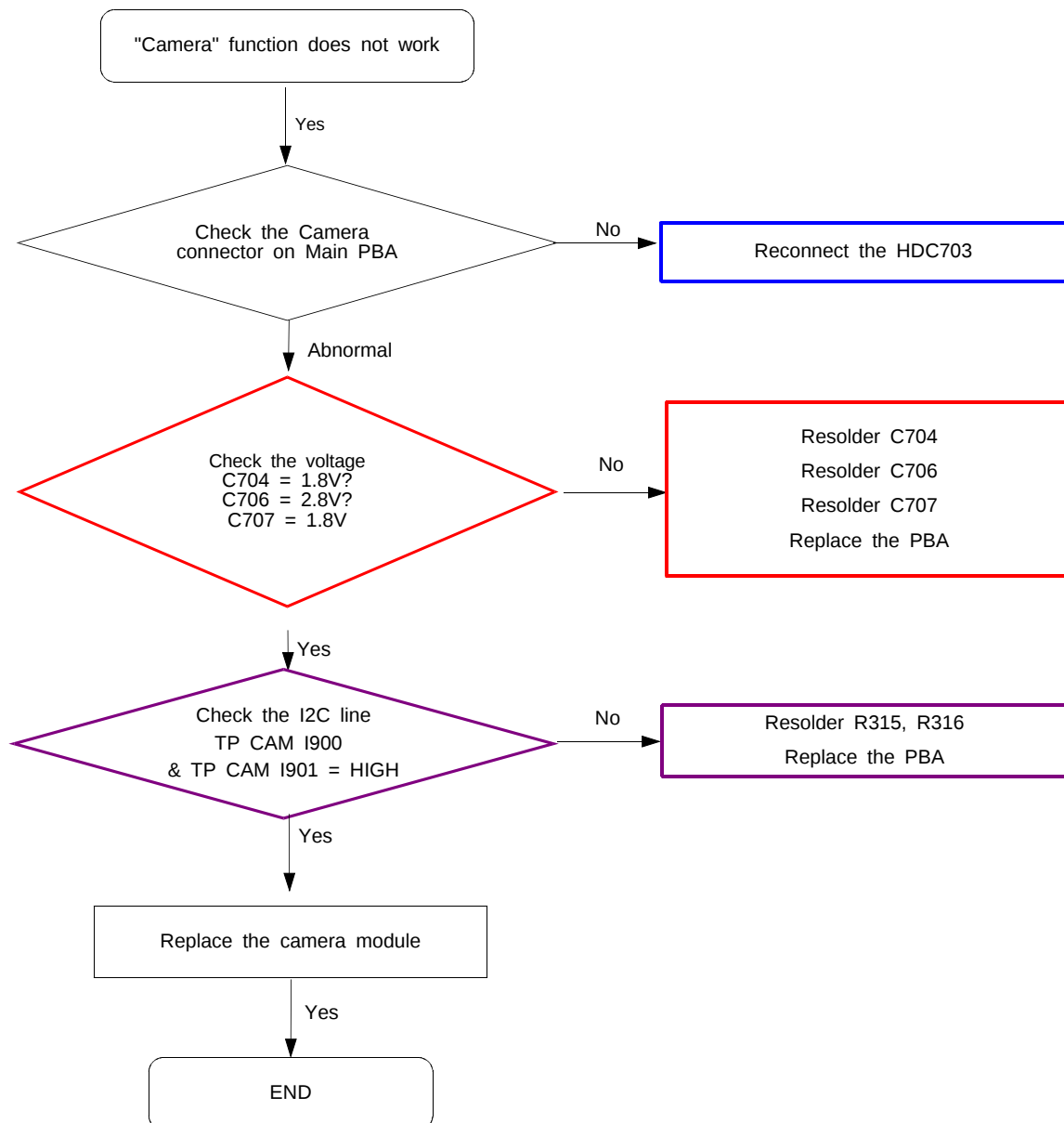


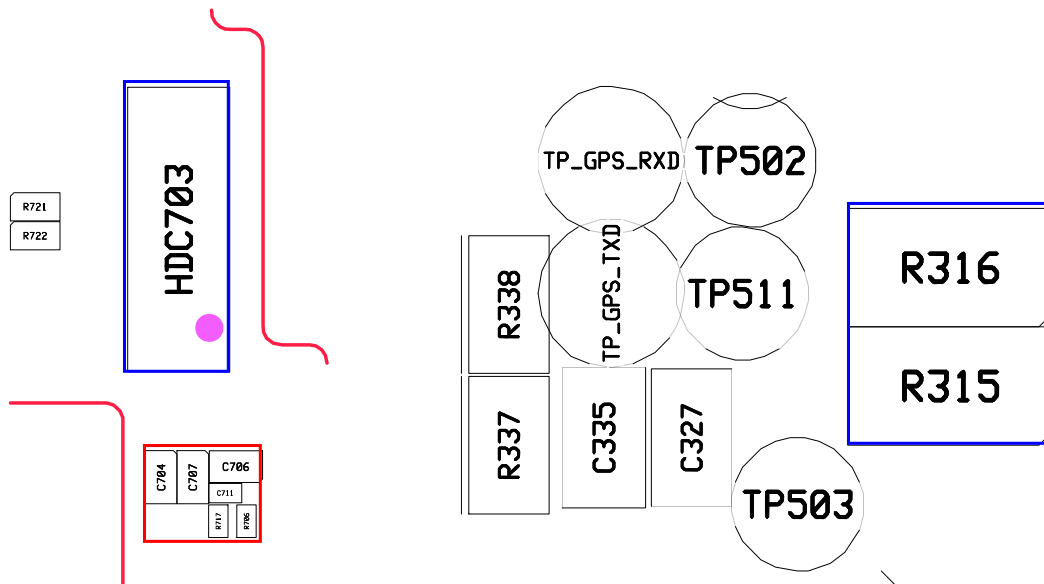
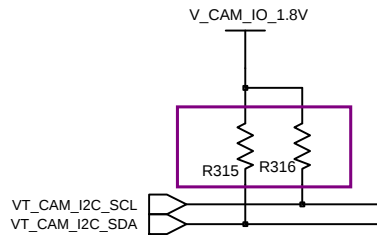
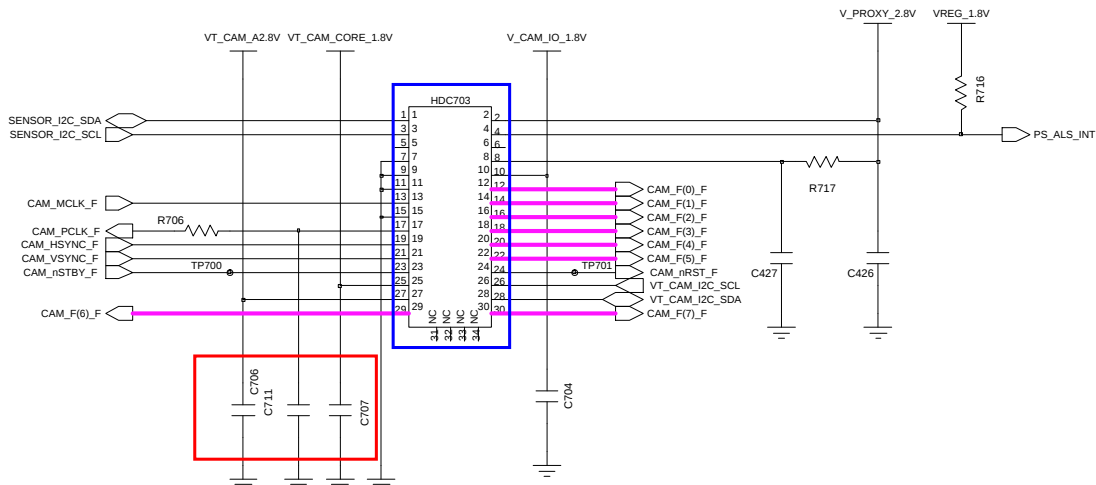
8-3-11. 3M CAM



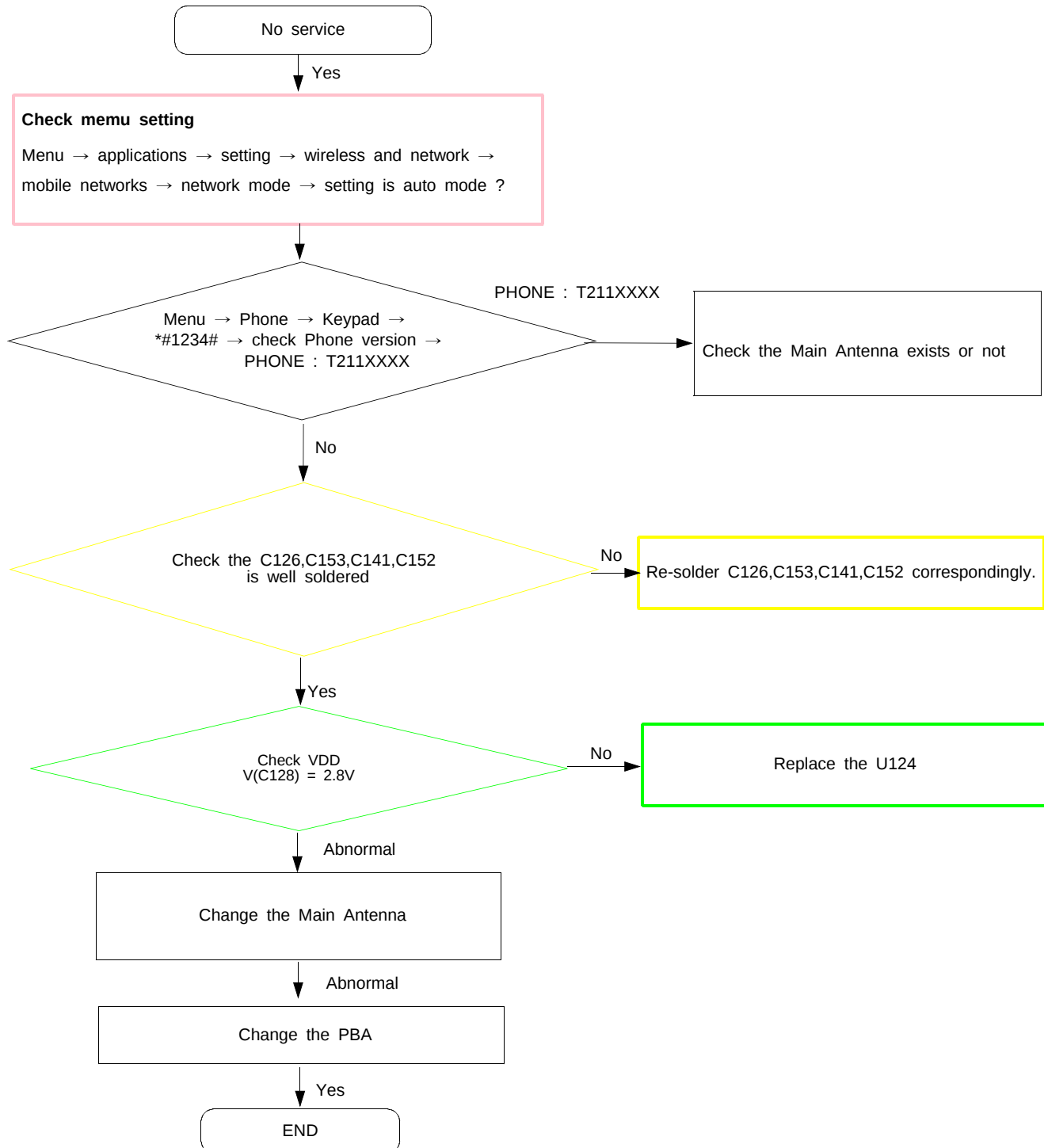


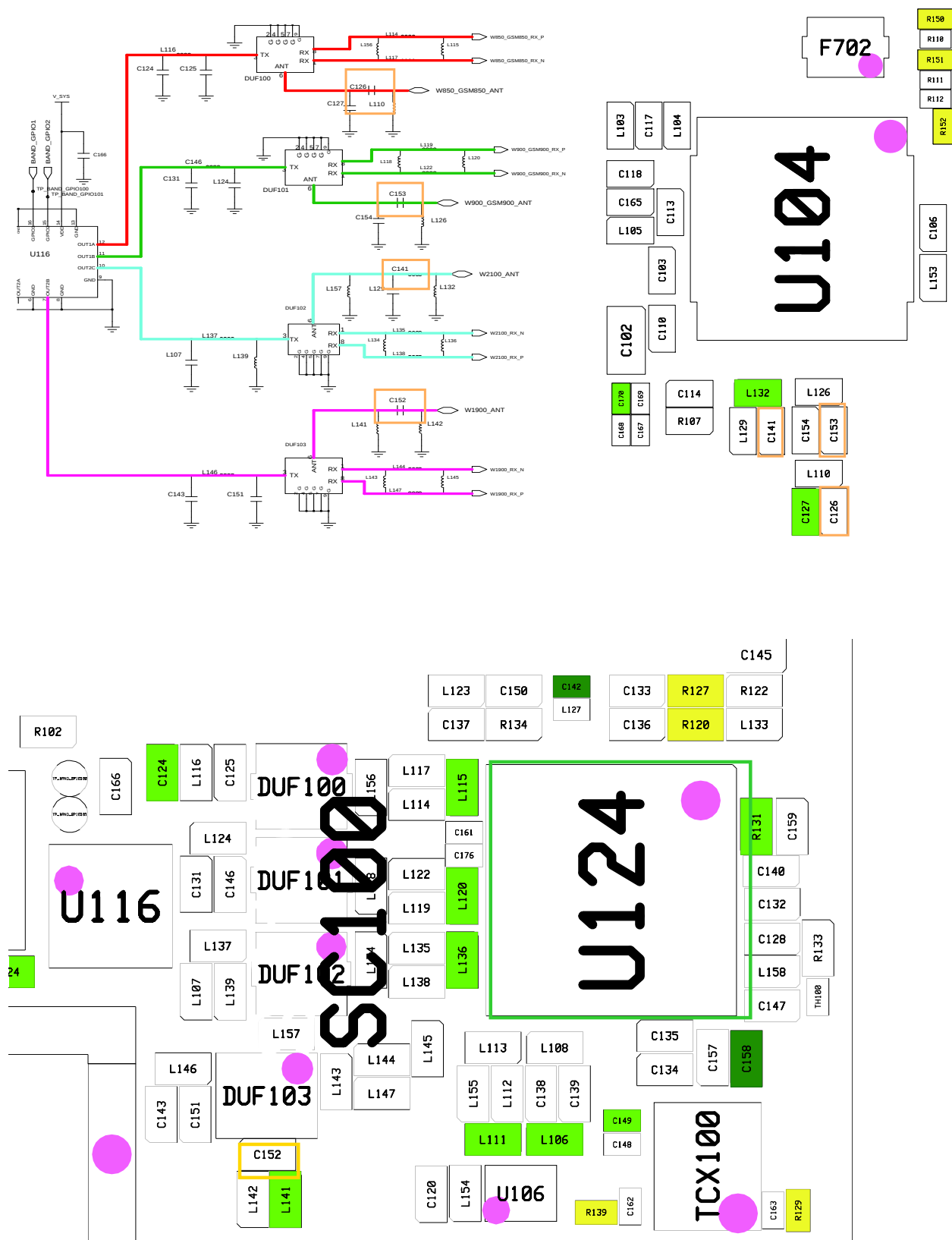
8-3-12. 1.3M CAM



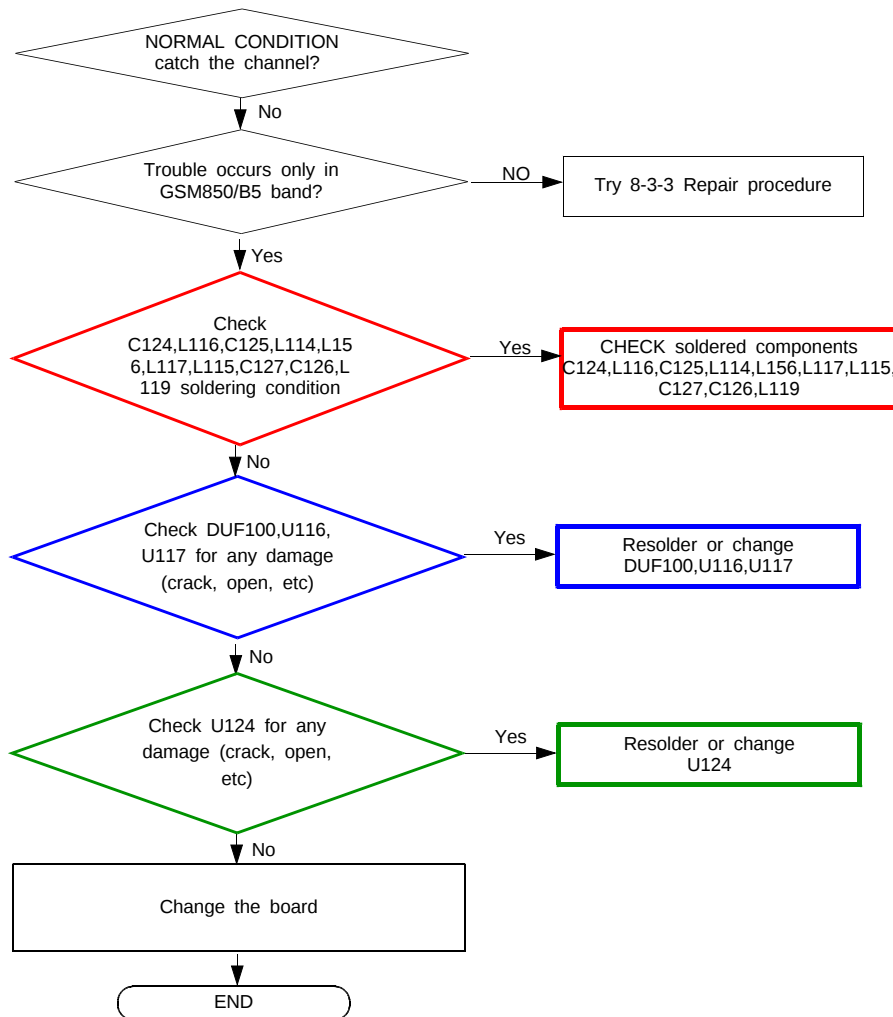


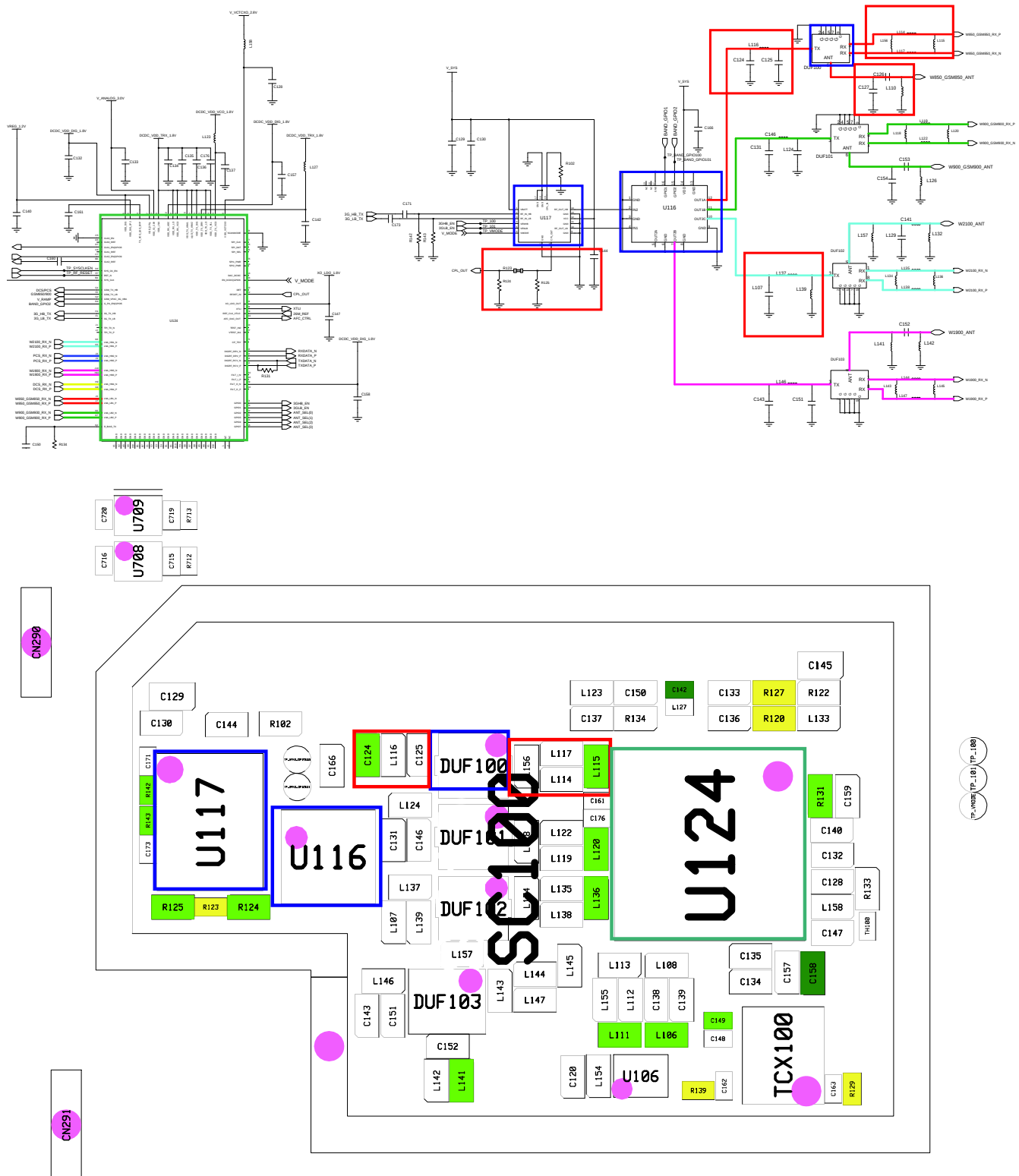
8-3-13. No Service



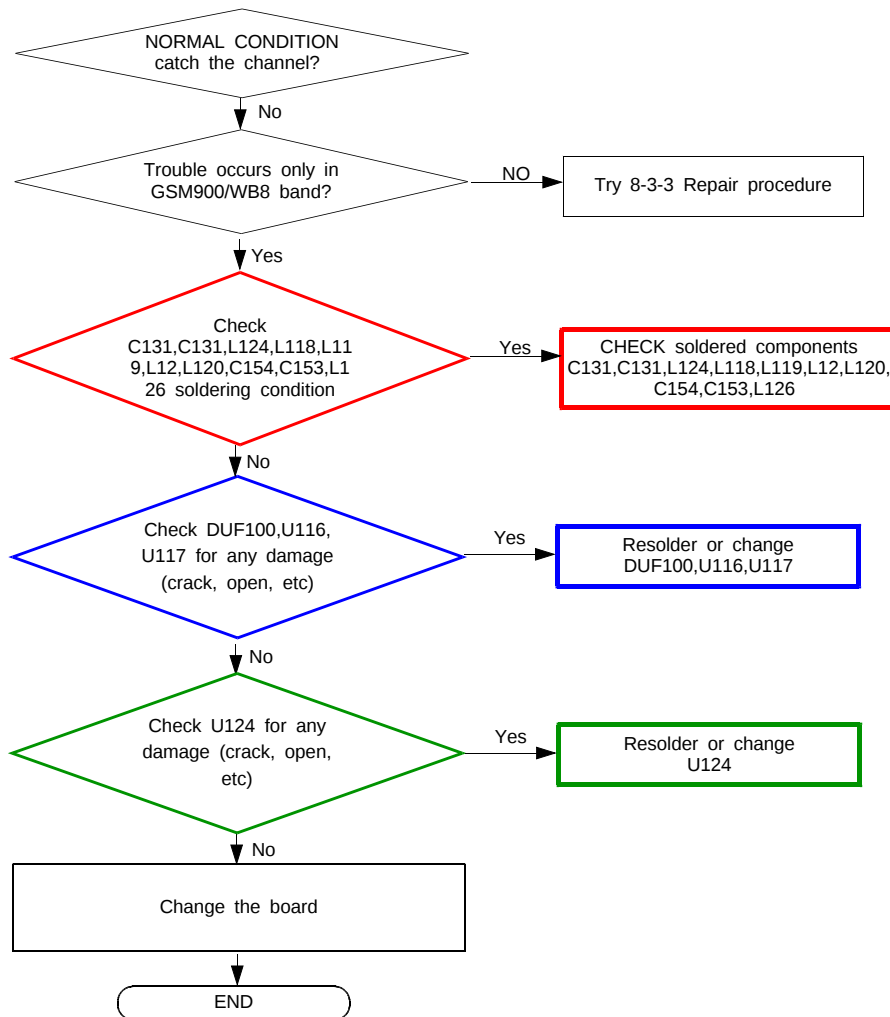


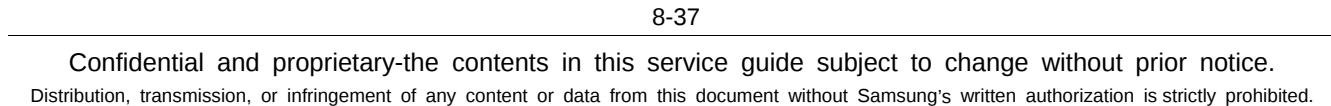
8-3-14. GSM850/WB5



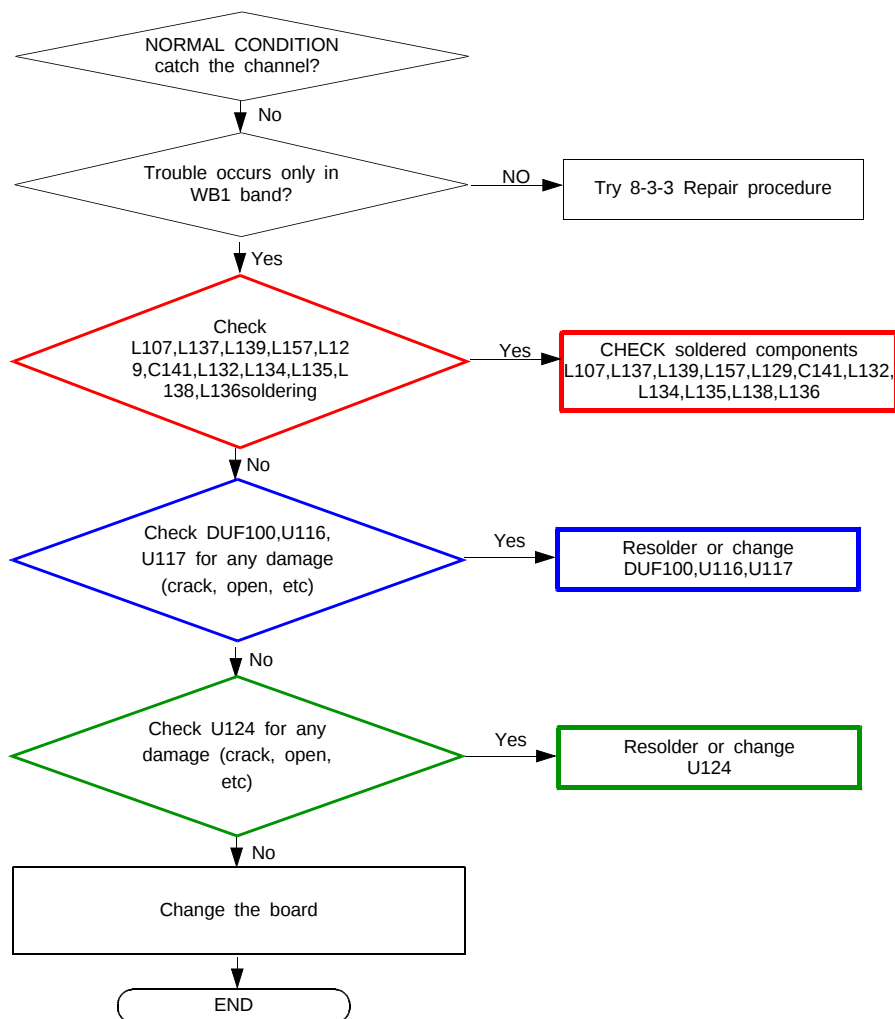


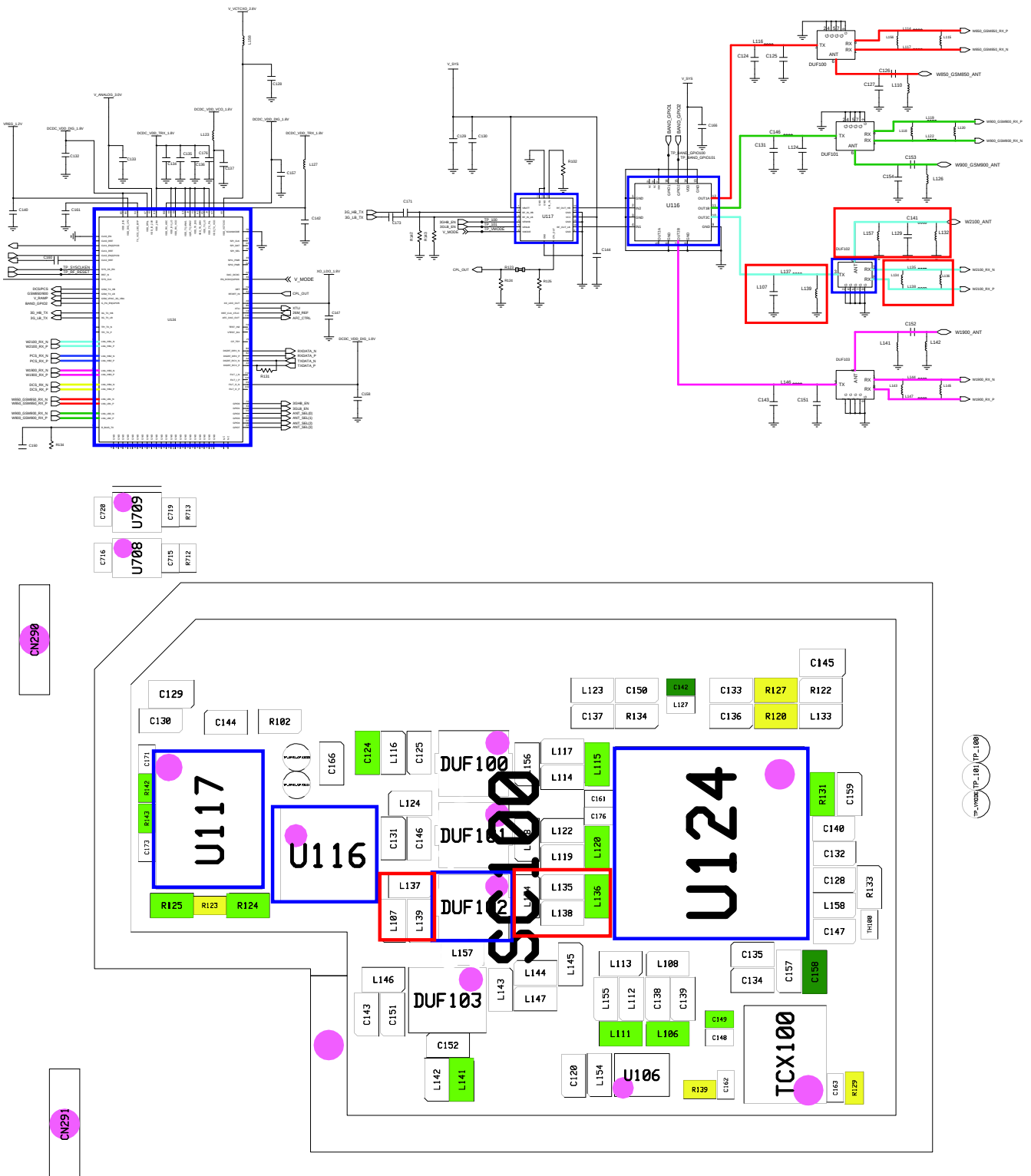
8-3-15. GSM900/WB8



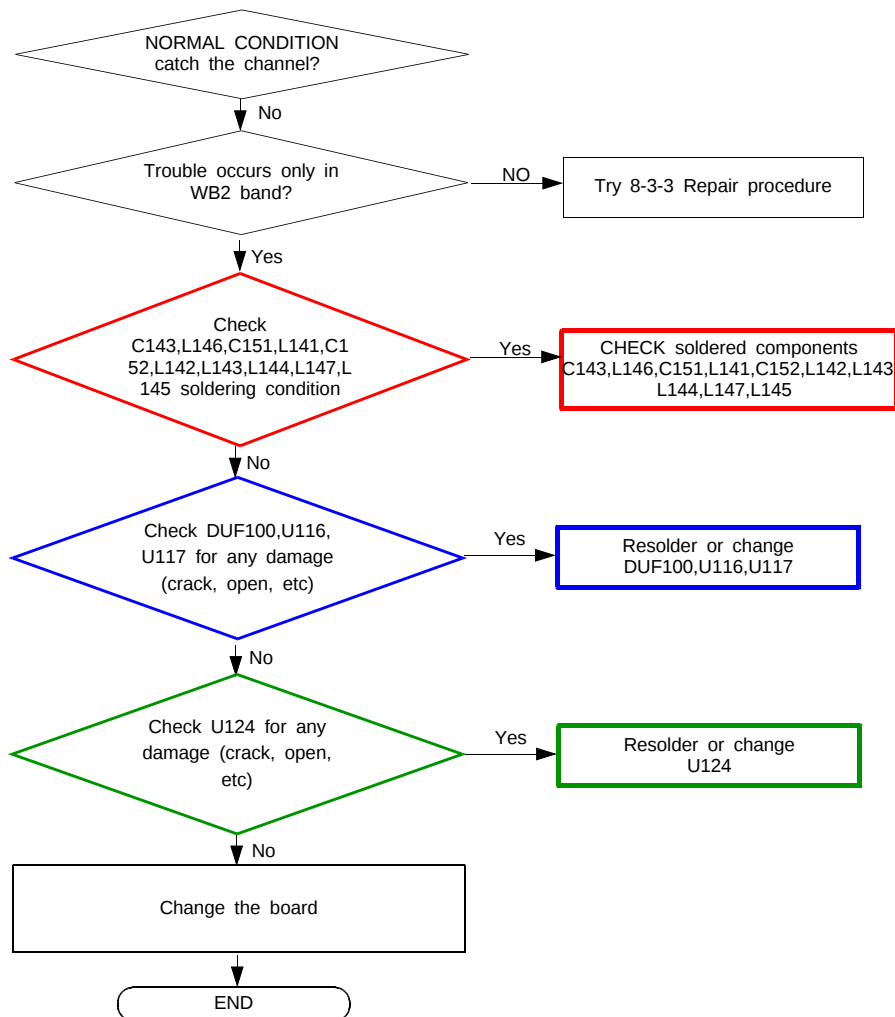


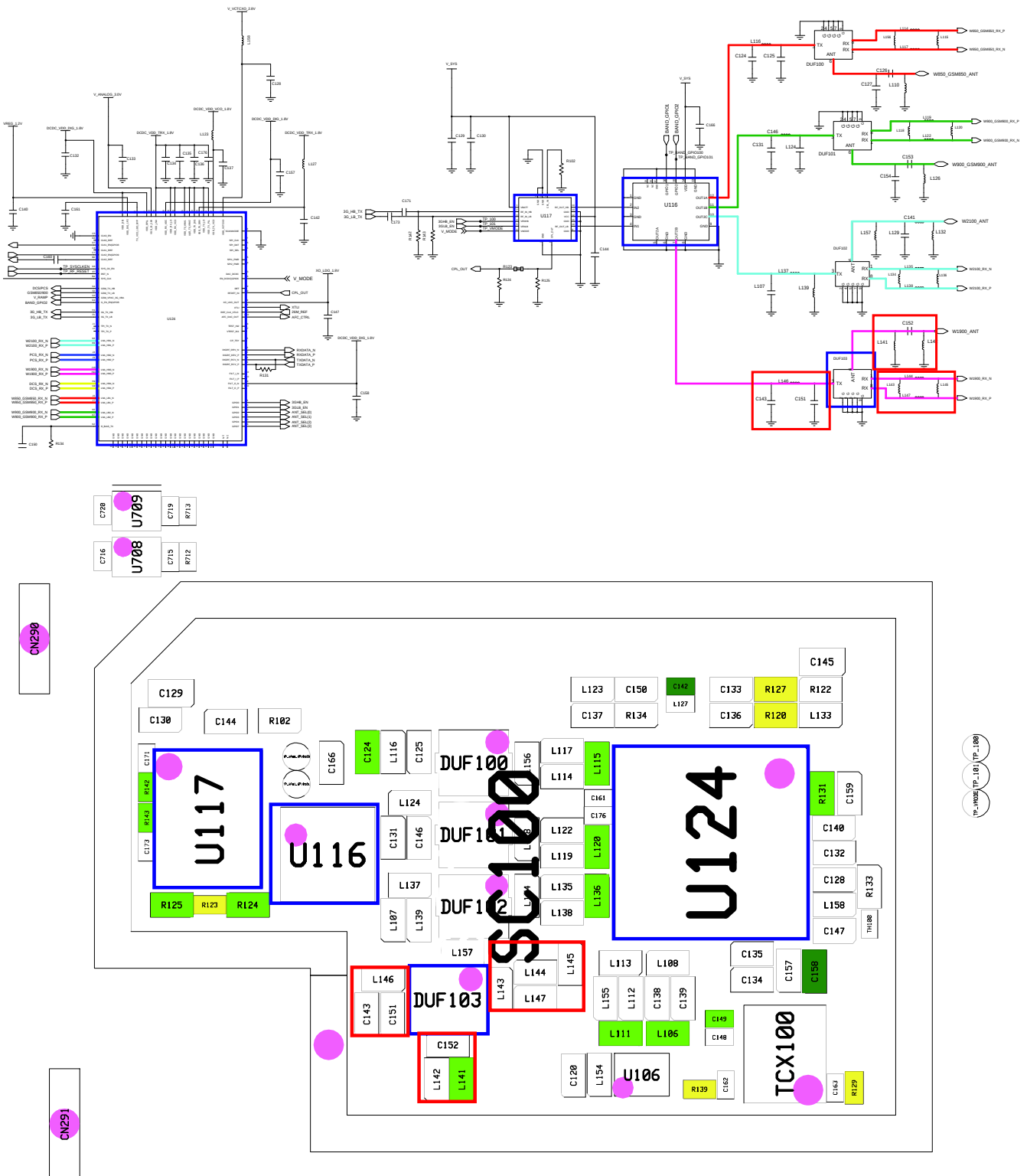
8-3-16. WB1



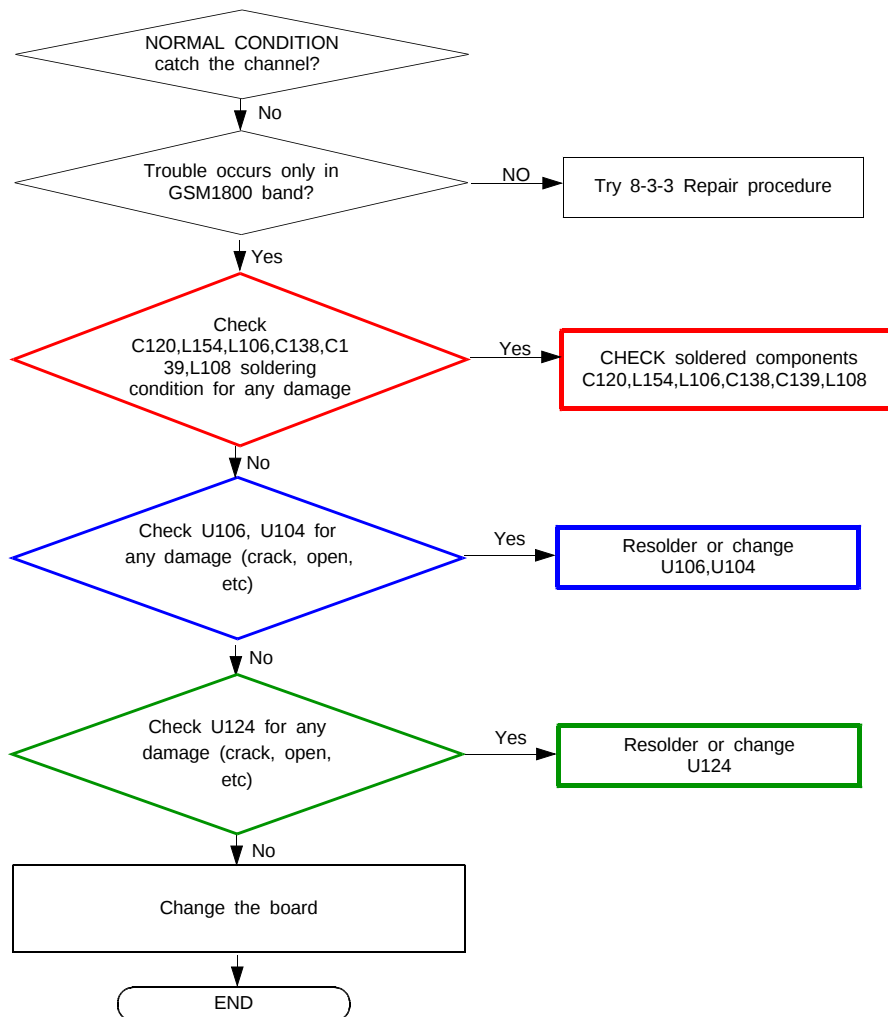


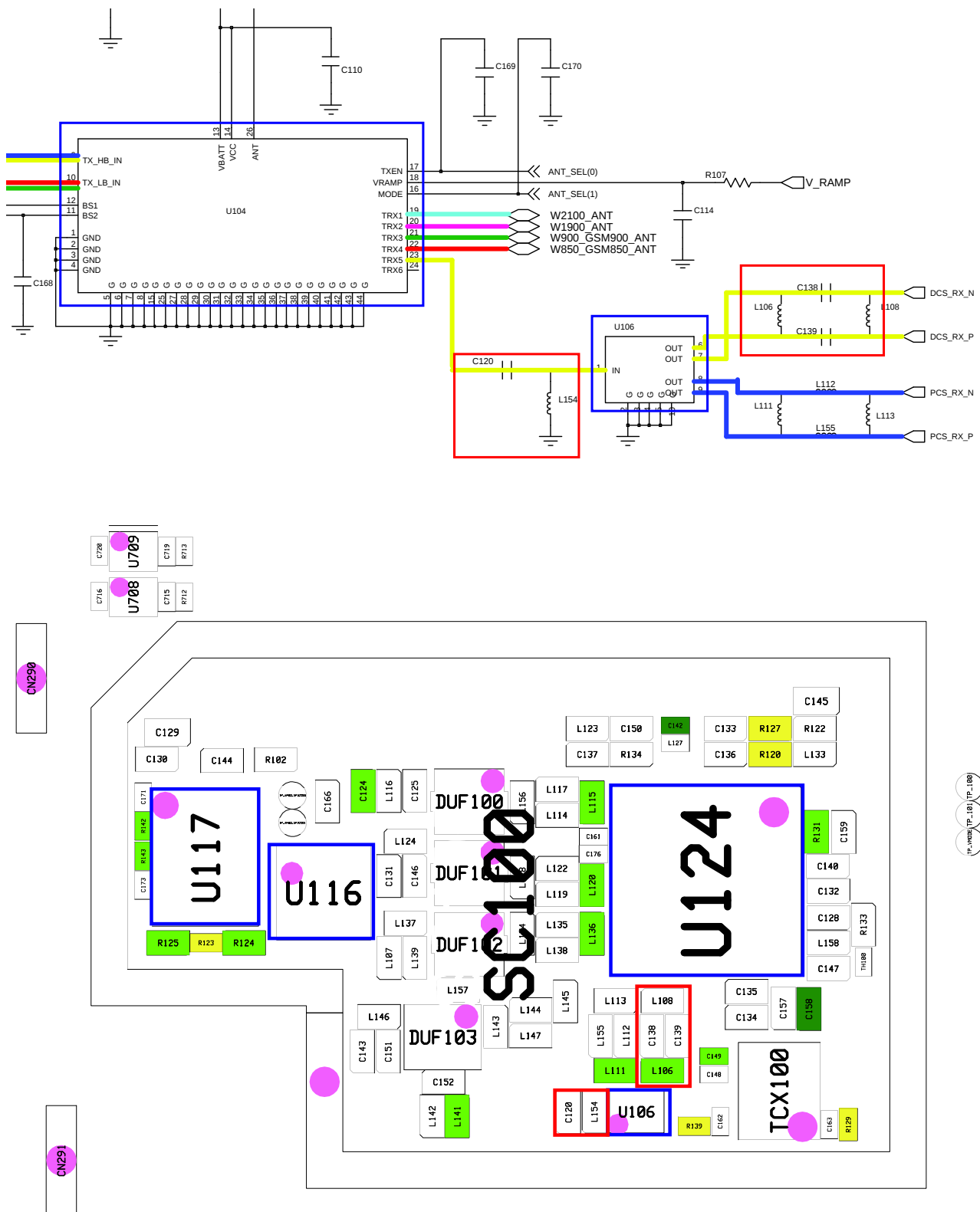
8-3-17. WB2



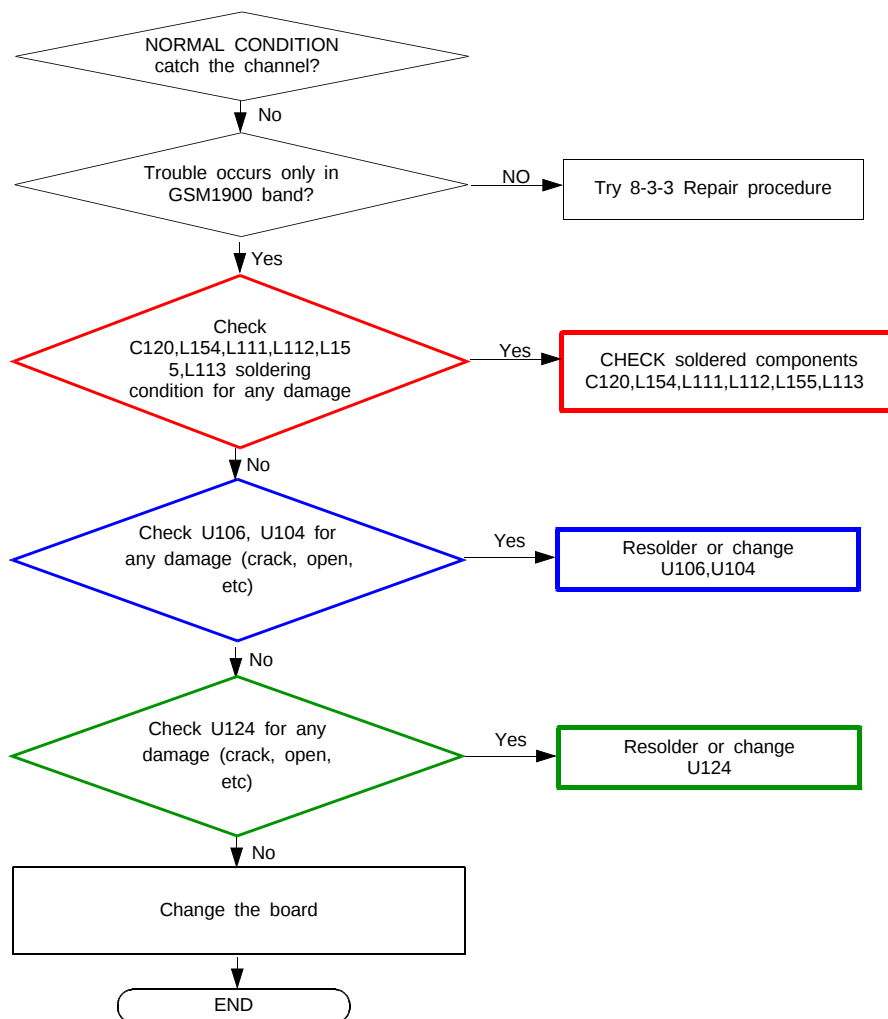


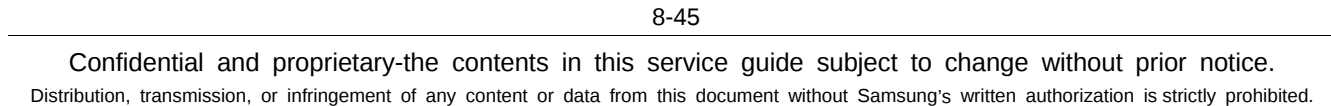
8-3-18. GSM1800 Rx



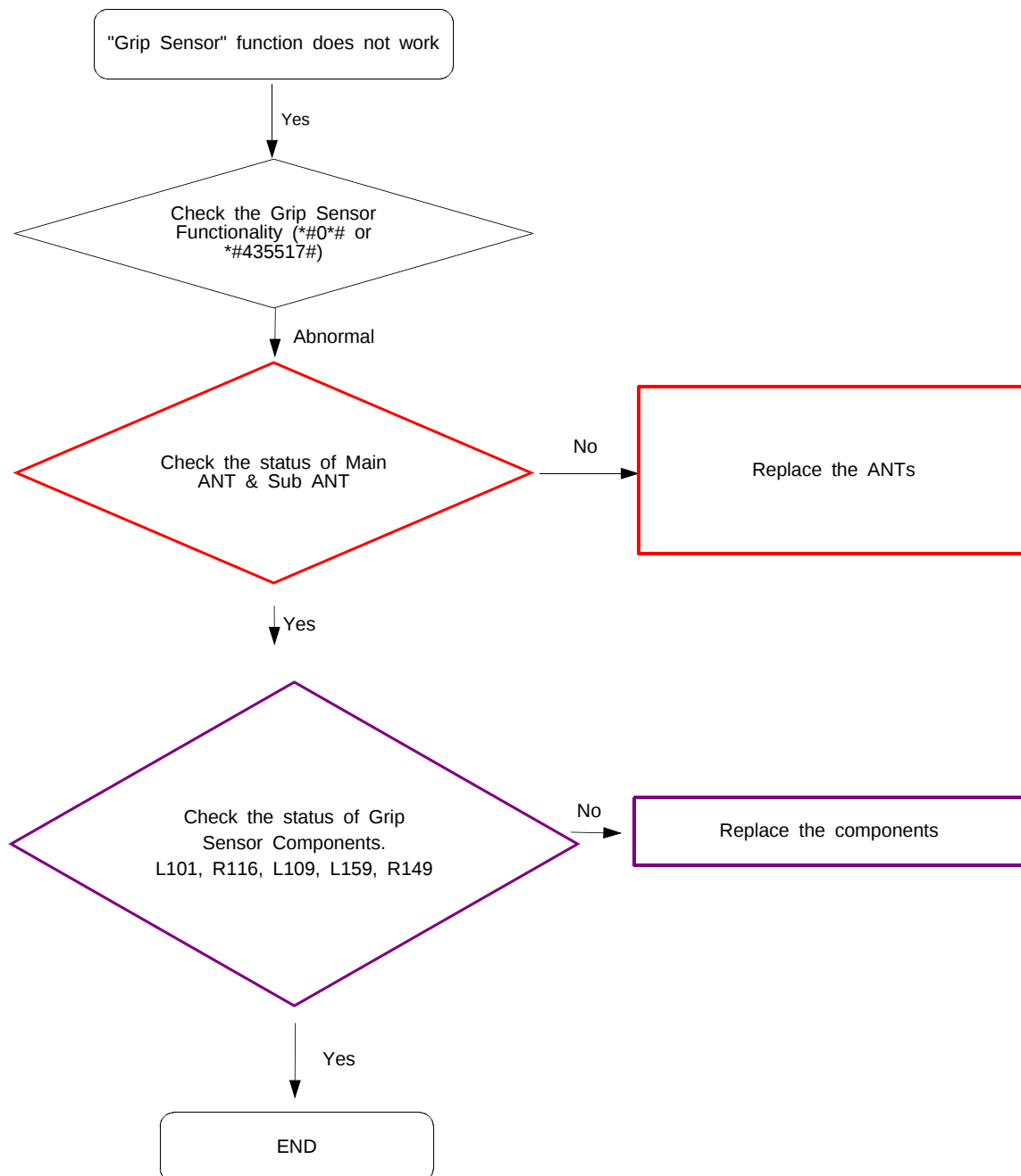


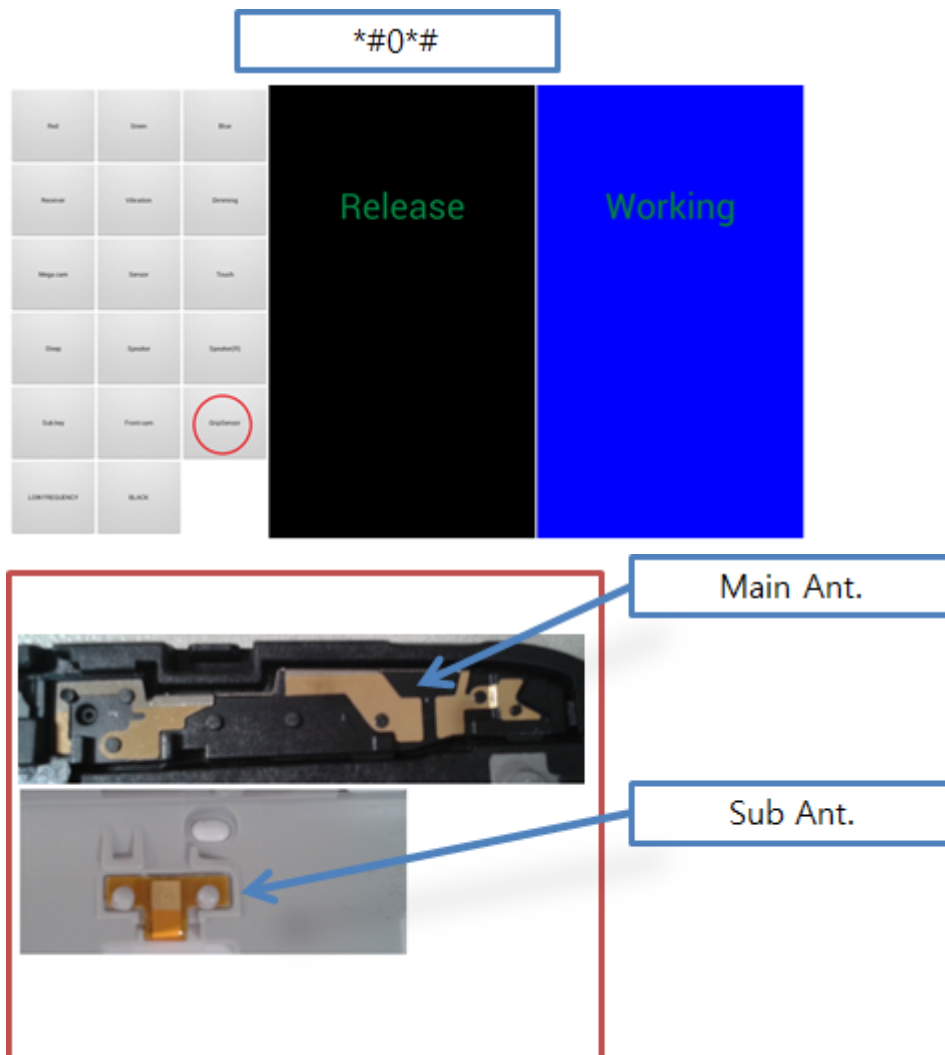
8-3-19. GSM1900 Rx

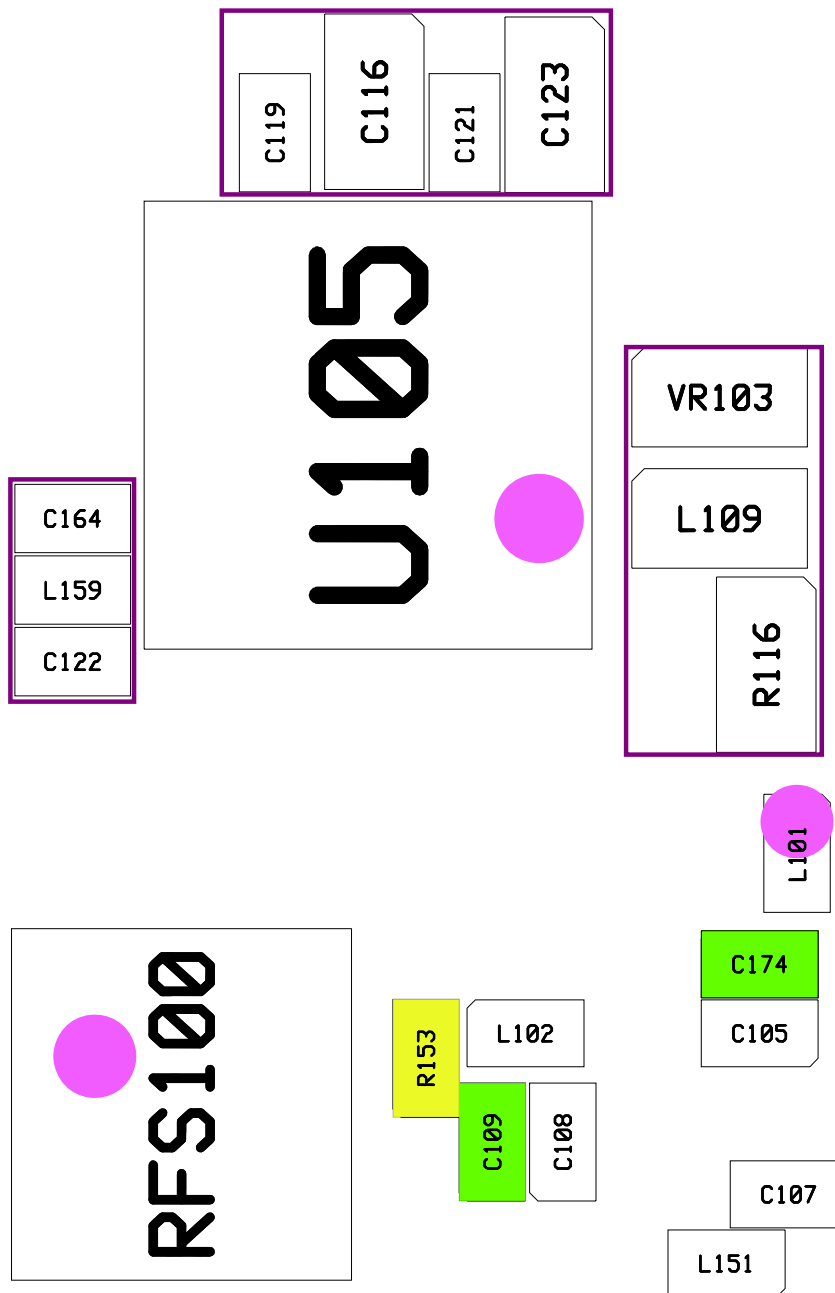




8-3-20. Grip Sensor







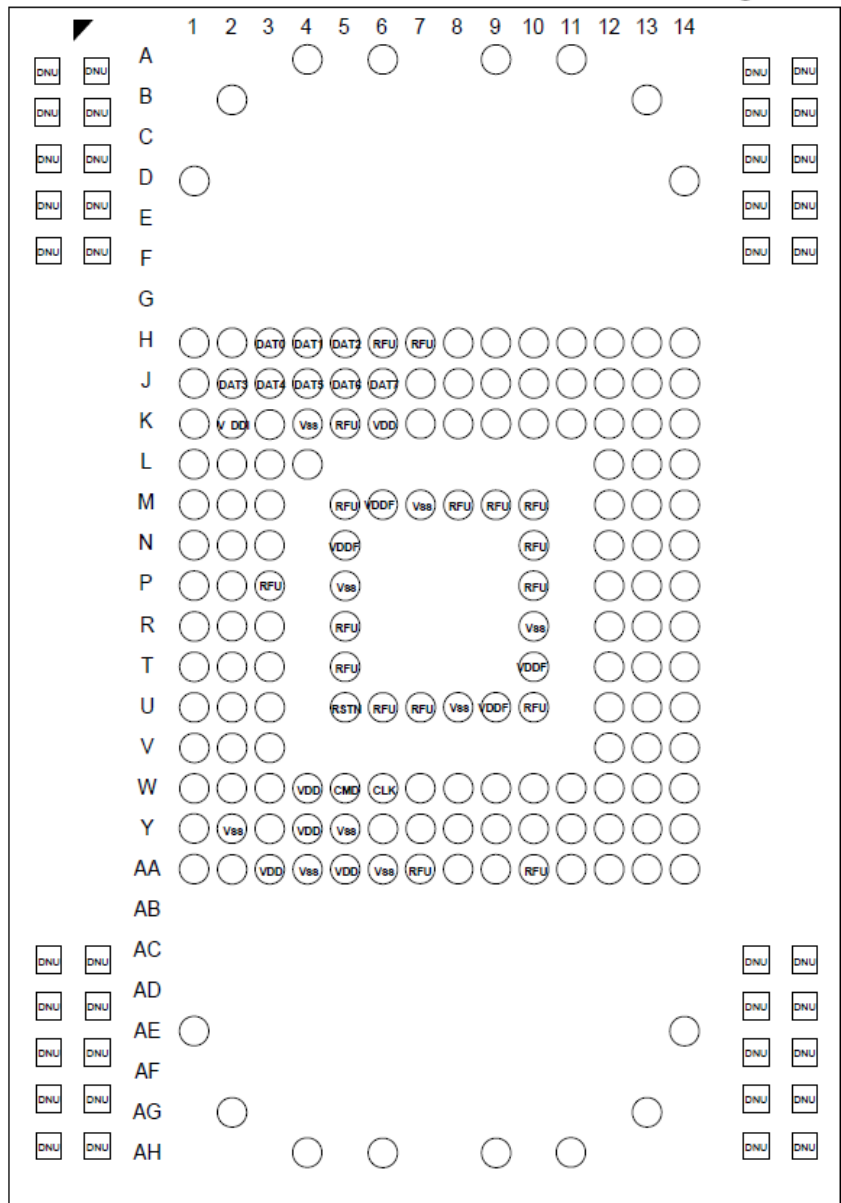
8-4. Service Schematics

UCP300

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
A	VSS	GPIQ[42]	GPIQ[41]	GPIQ[39]	GPIQ[37]	GPIQ[35]	VSS	GPIQ[32]	GPIQ[32]	GPIQ[29]	VDD1	GPIQ[22]	GPIQ[20]	GPIQ[15]	VSS	GPIQ[12]	GPIQ[8]	VSS	GPIQ[1]	VDD1	VSS	VSS	VSS
B	VDD2	GPIQ[44]	VDD1	GPIQ[40]	GPIQ[38]	GPIQ[36]	VCC_MAIN	GPIQ[33]	GPIQ[33]	GPIQ[30]	VCC_MAIN	VDD2	VCC_MAIN	GPIQ[13]	GPIQ[14]	VDD2	GPIQ[7]	GPIQ[5]	VDD2	GPIQ[0]	VSS	VSS	VSS
C	GPIQ[48]	GPIQ[46]		GPIQ[43]																		EXT_32K_JN	PWR_SCL
D	GPIQ[50]	GPIQ[47]							GPIQ[28]	GPIQ[28]											PWR_SDA	VDD2	VDD2
E	GPIQ[54]	GPIQ[51]																				RMC_INT	MEUS_ON
F	VSS	MMC1_DA_T1[9]							GPIQ[25]	GPIQ[25]	VCC_IO_G_PIO1	VCC_IO_G_PIO1	GPIQ[18]	GPIQ[11]	GPIQ[6]	VCC_MAIN		RESET_IN_n	VSS			VSS	VSS
G	MMC1_DA_T1[1]	MMC1_DA_T1[2]	VCC_MAIN																	GPIQ[83]	GPIQ[84]	VSS	VSS
H	MMC1_DM_T1[9]	MMC1_DL_T1[9]	MMC1_DL_T1[9]																	GPIQ[84]	GPIQ[84]	VSS	VSS
J	GPIQ[73]	GPIQ[68]	GPIQ[69]																	GPIQ[81]	GPIQ[82]	VSS	VSS
K	GPIQ[74]																			GPIQ[83]	GPIQ[83]	VSS	VSS
L	GPIQ[75]	GPIQ[77]																		GPIQ[85]	GPIQ[85]	VSS	VSS
M	GPIQ[79]	GPIQ[79]	GPIQ[79]																			VREFDQ	VSS
N	ANA_GRP_AVDD18	VDD1	TEST_PN_FILM																			VDD1	GPIQ[124]
P	ZQ	VREFCA	SIN_0F4V																			PRI_TRSTn	CLK_REQ
R	VSS	VDD2																				VDD2	SLAVE_RESET_OUT
T	MPI_CS11_DATA[LANE_0_N]	MPI_CS11_DATA[LANE_0_P]																				PRI_TCK	PRI_TDO
U	VSS	VDDCA																				USM_UIO	VSS
V	MPI_CS11_DATA[LANE_1_N]	MPI_CS11_DATA[LANE_1_P]																				VDD2	USM_UCL_K
W	VSS	VDDCA																				RF_CONT[4]	VSS
Y	MPI_CS11_DATA[LANE_3_N]	MPI_CS11_DATA[LANE_3_P]																				USM2_URSTn	USM2_UO_LK
AA	VSS	VDD2																				VDD2	SM_RDY
AB	MPI_CS11_DATA[LANE_2_N]	MPI_CS11_DATA[LANE_2_P]		VSS			VSS															SM_ADV_LK	VSS
AC	VSS	VSS		VSS			VDDCA															VSS	VSS

UME400

Pin NO	Name	Pin NO	Name
K6	VDD	AA5	VDD
T10	VDDF	W4	VDD
K2	VDDI	Y4	VDD
R10	Vss	AA3	VDD
W5	CMD	U9	VDDF
W6	CLK	M6	VDDF
H3	DAT0	N5	VDDF
H4	DAT1	U8	Vss
H5	DAT2	M7	Vss
J2	DAT3	AA6	Vss
J3	DAT4	P5	Vss
J4	DAT5	Y5	Vss
J5	DAT6	K4	Vss
J6	DAT7	Y2	Vss
H6	RFU	AA4	Vss
H7	RFU	U5	RSTN
K5	RFU		
M5	RFU		
M8	RFU		
M9	RFU		
M10	RFU		
N10	RFU		
P3	RFU		
P10	RFU		
R5	RFU		
T5	RFU		
U6	RFU		
U7	RFU		
U10	RFU		
AA7	RFU		
AA10	RFU		



PM500

