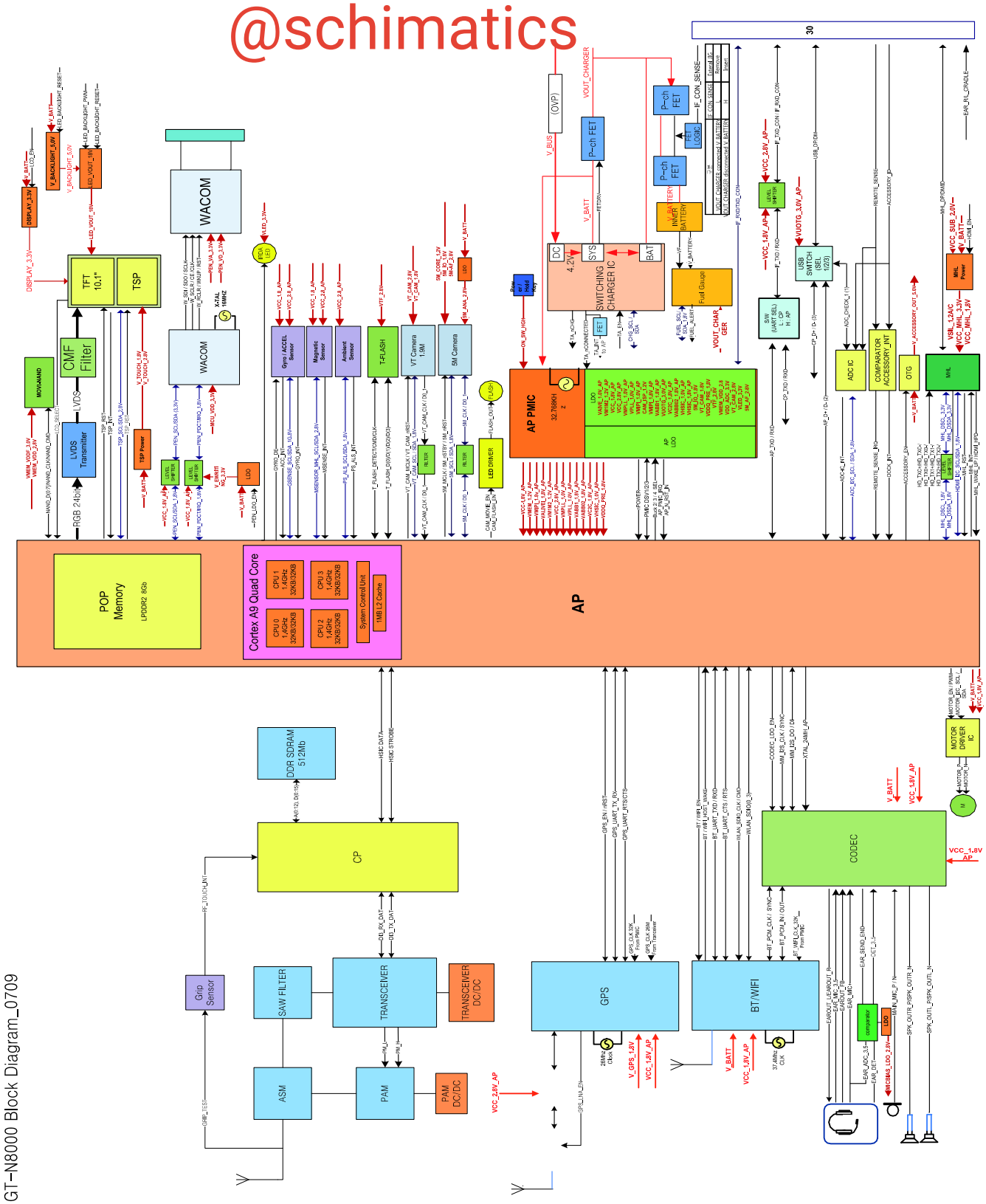
8. Level 3 Repair

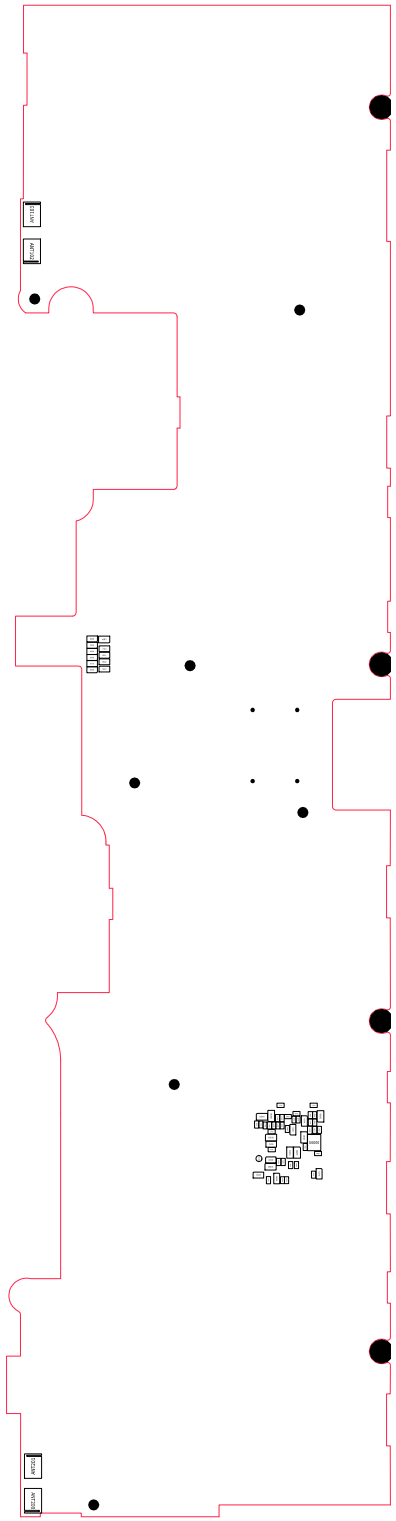
8-1. Block Diagram



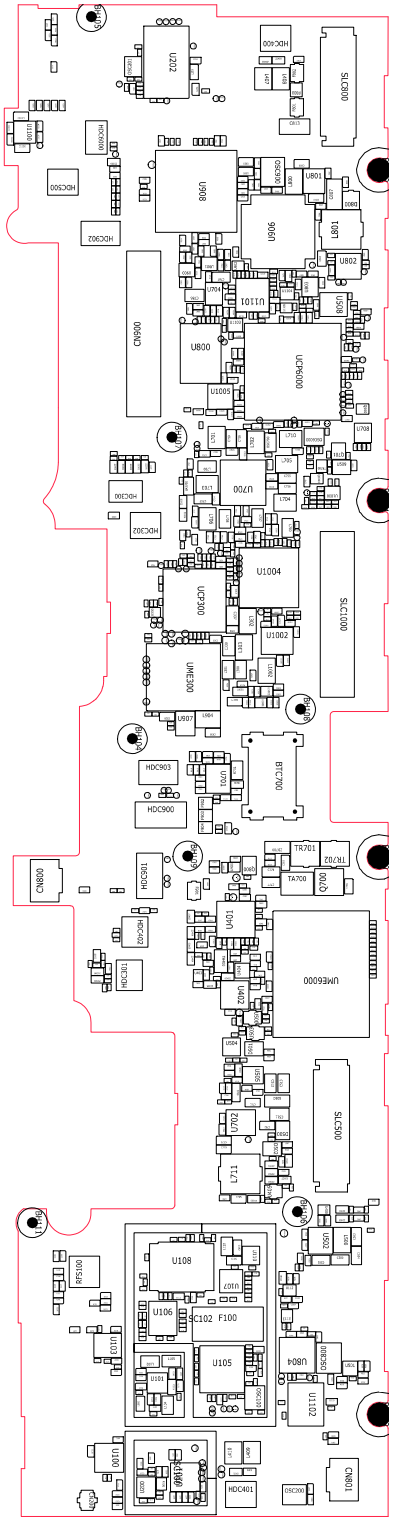
GT-N8000 Block Diagram_0709

8-2. PCB Diagrams

8-2-1. Top

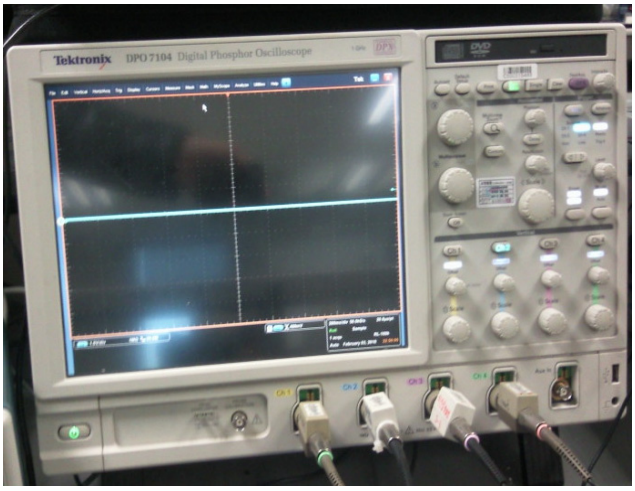


8-2-2. Bottom



8-3. Flow Chart of Troubleshooting

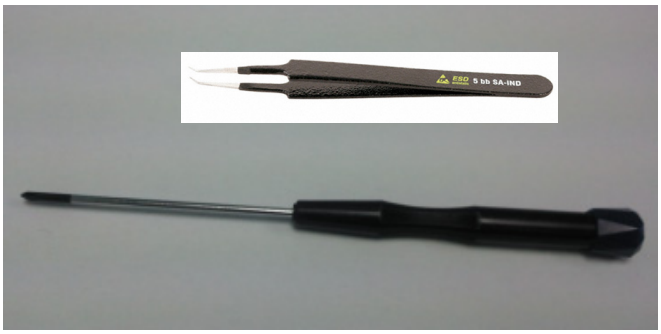
Equipments



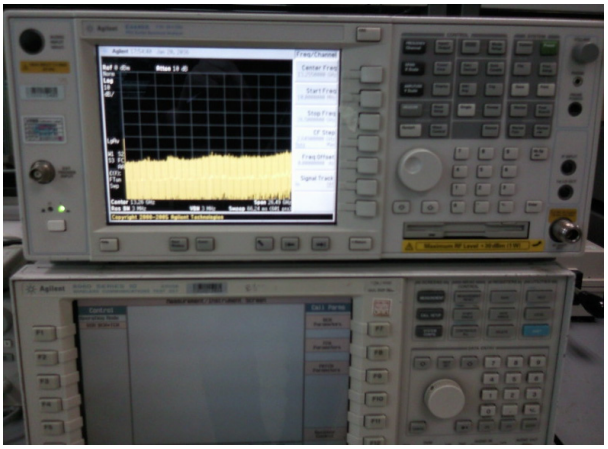
↑ Oscilloscope

↑ Digital Multimeter

↑ Power Supply



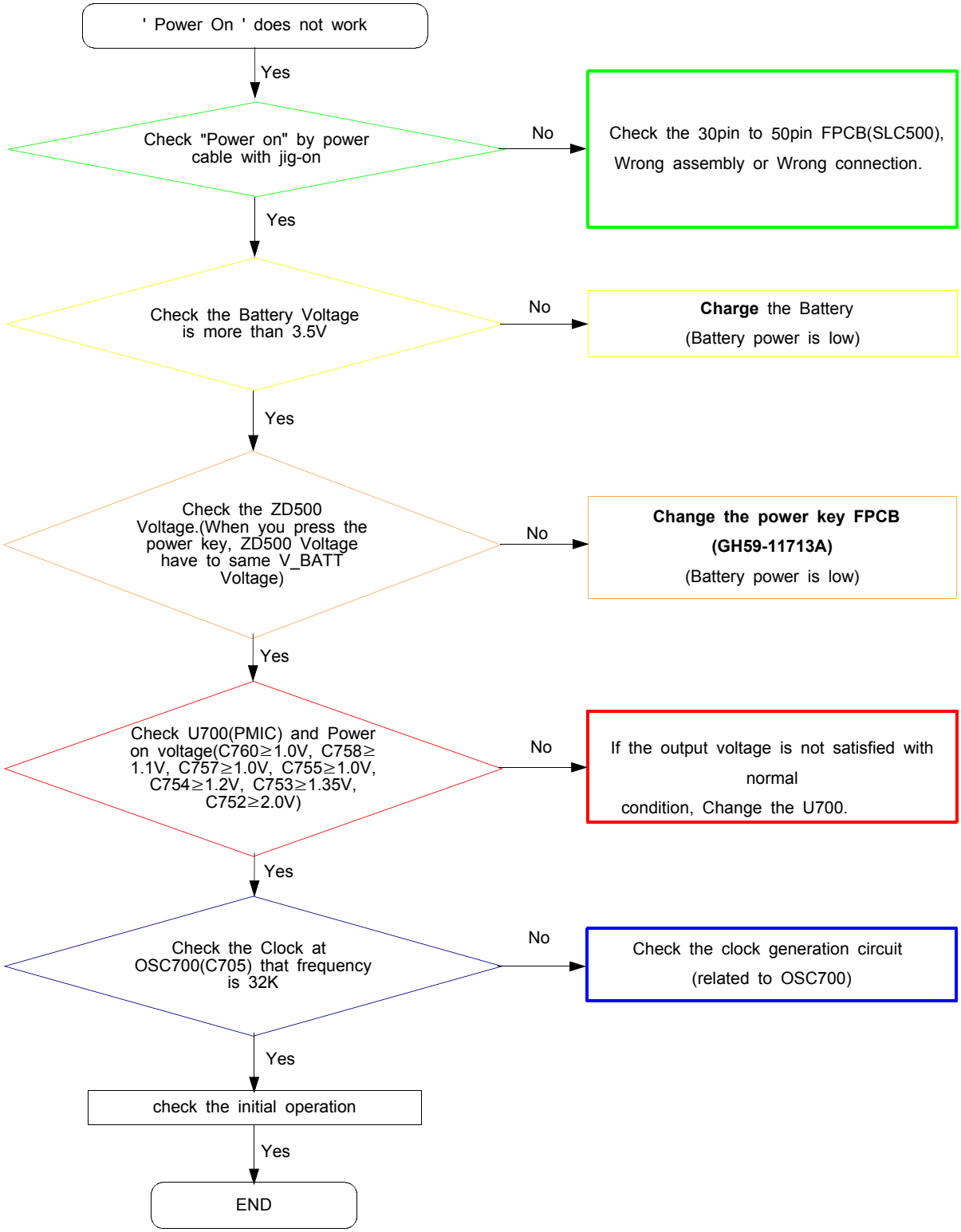
↑ + driver, ESD Safe Tweezer

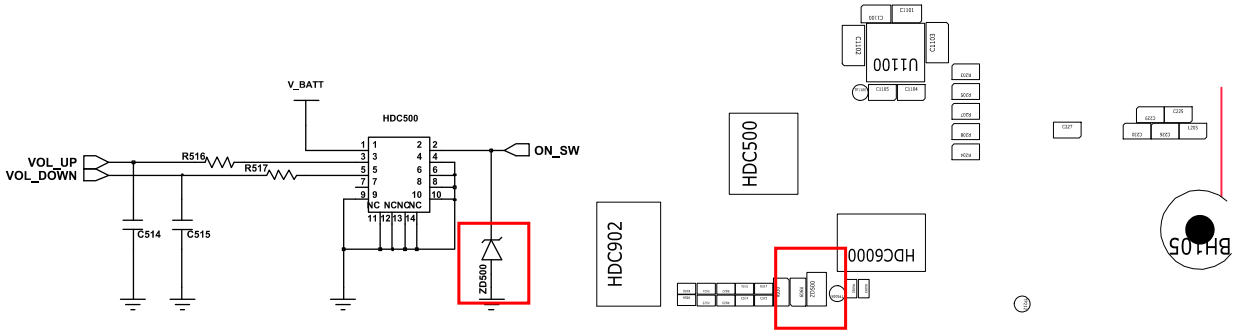


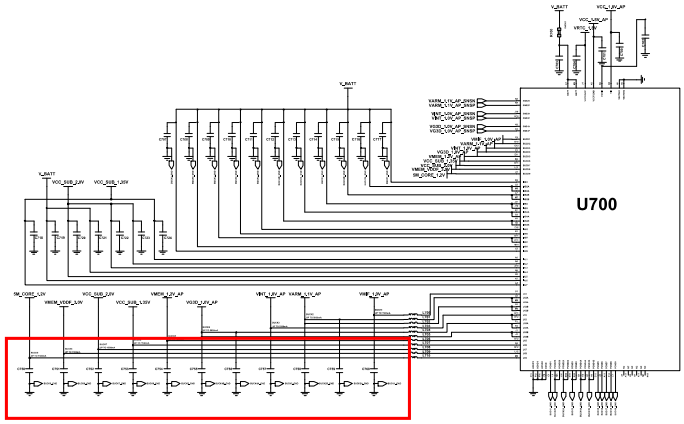
↑ 8960 & Spectrum Analyzer

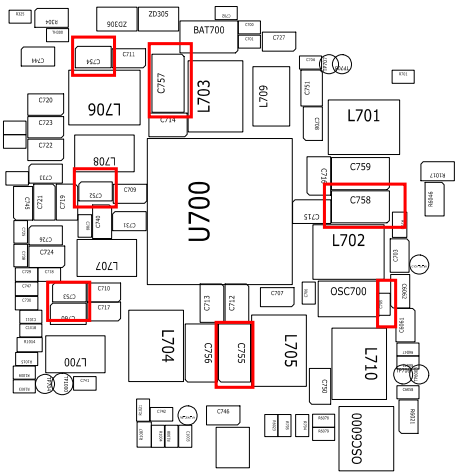
↑ Soldering iron

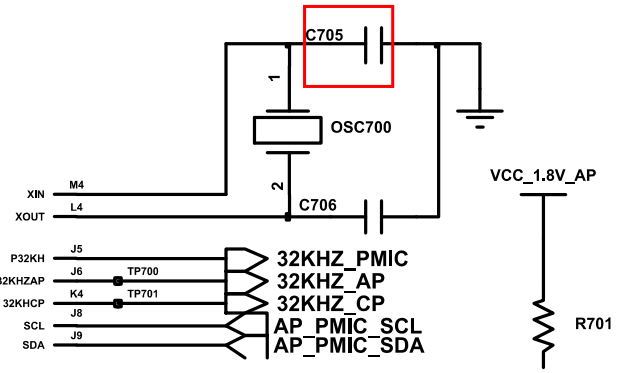
8-3-1. Power On



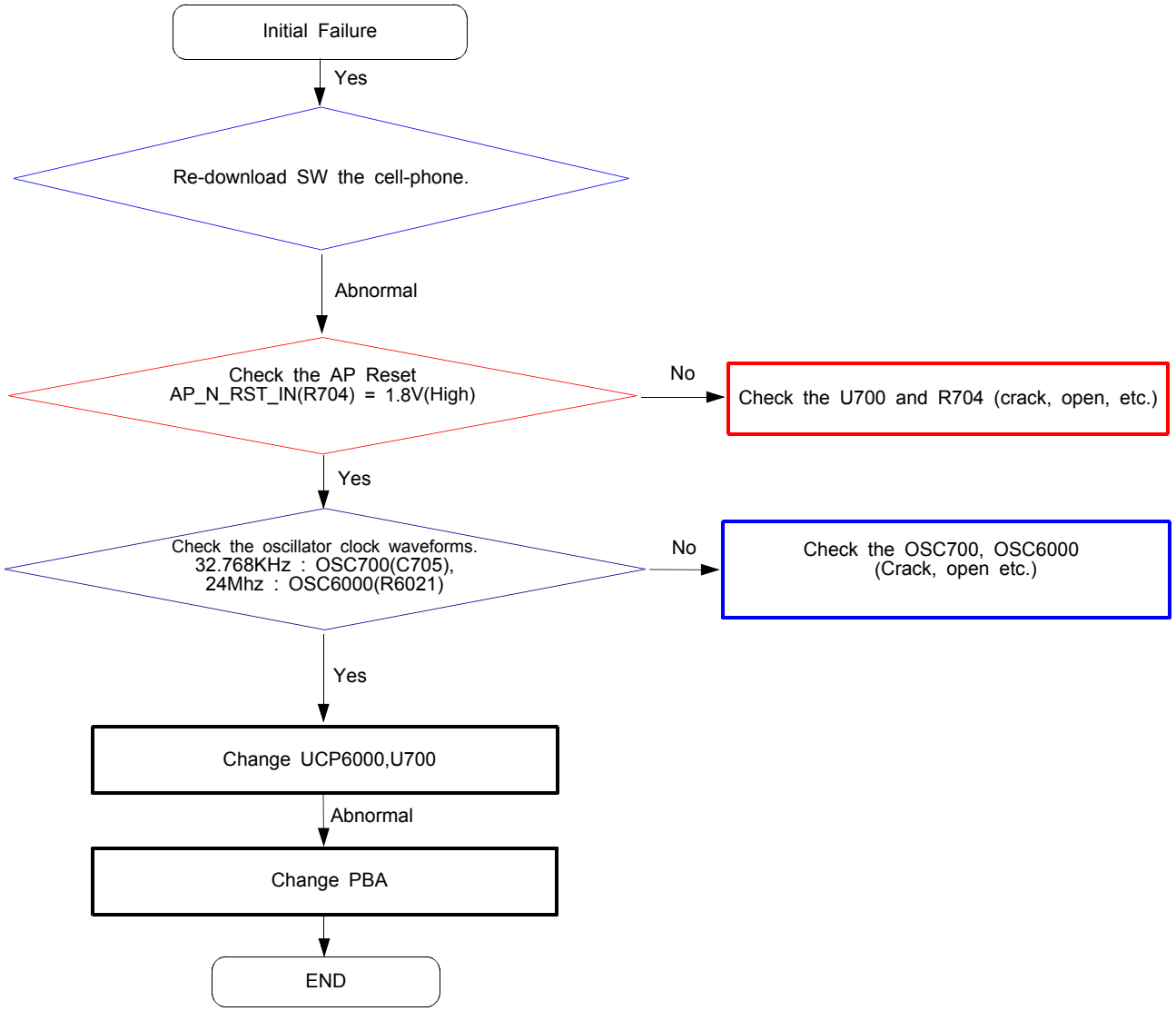


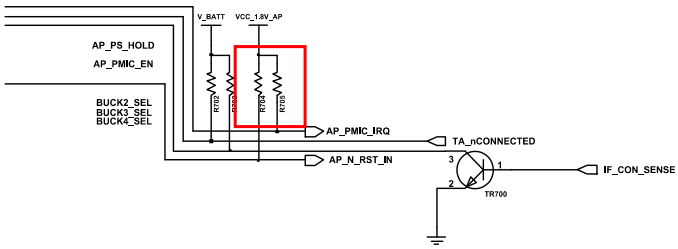


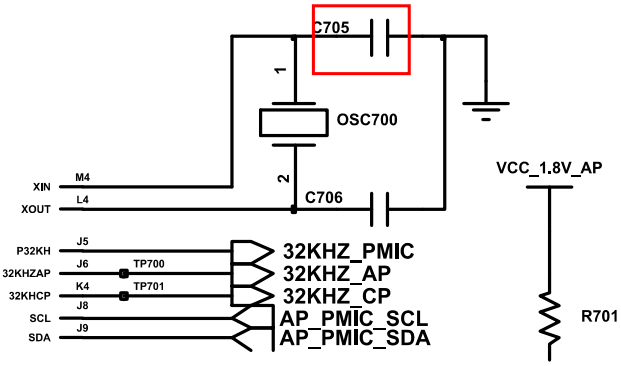


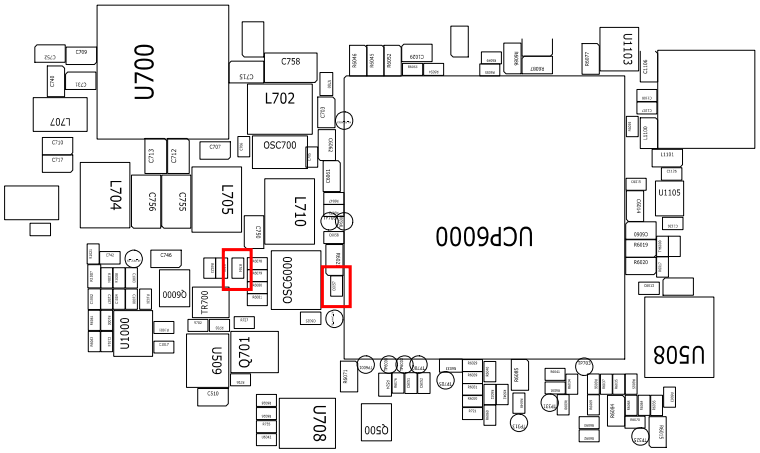


8-3-2. Initial

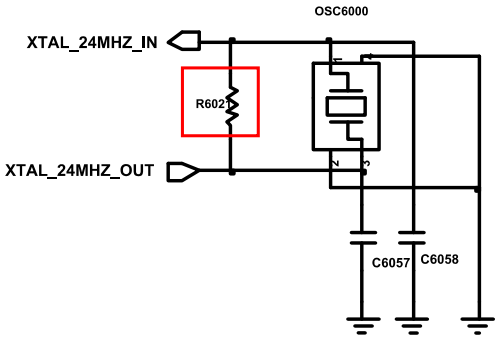


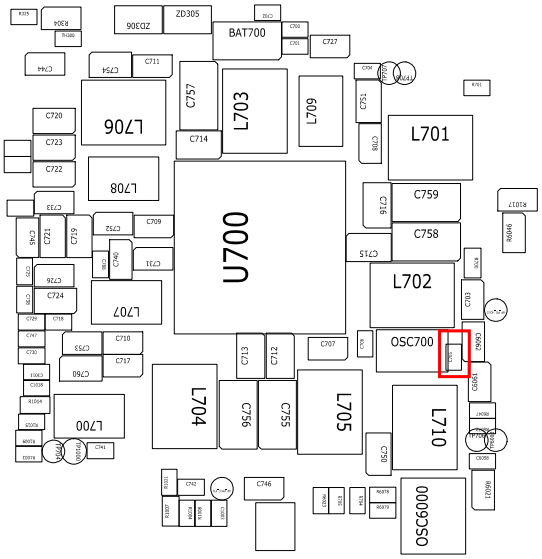




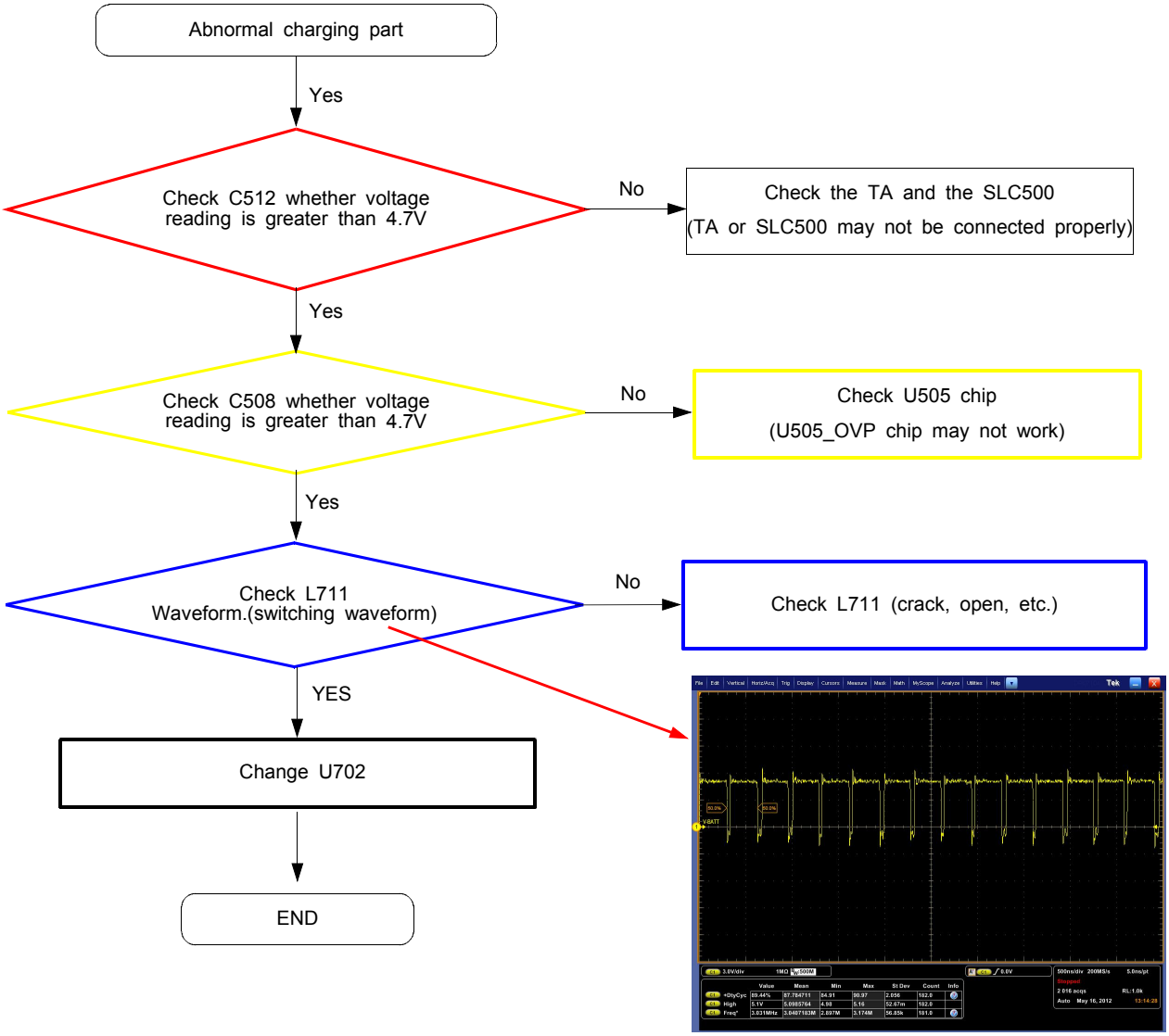


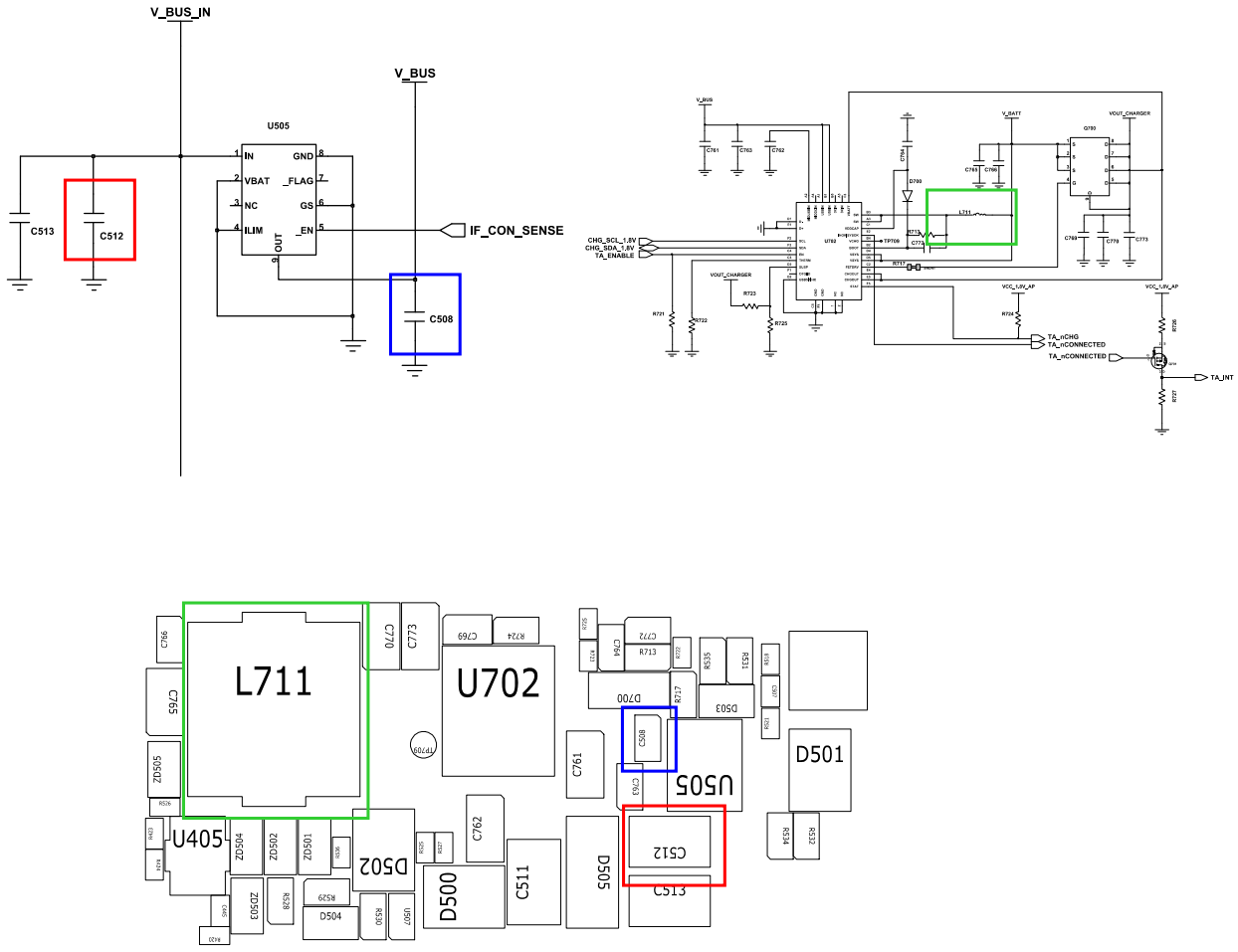
AP CLOCK



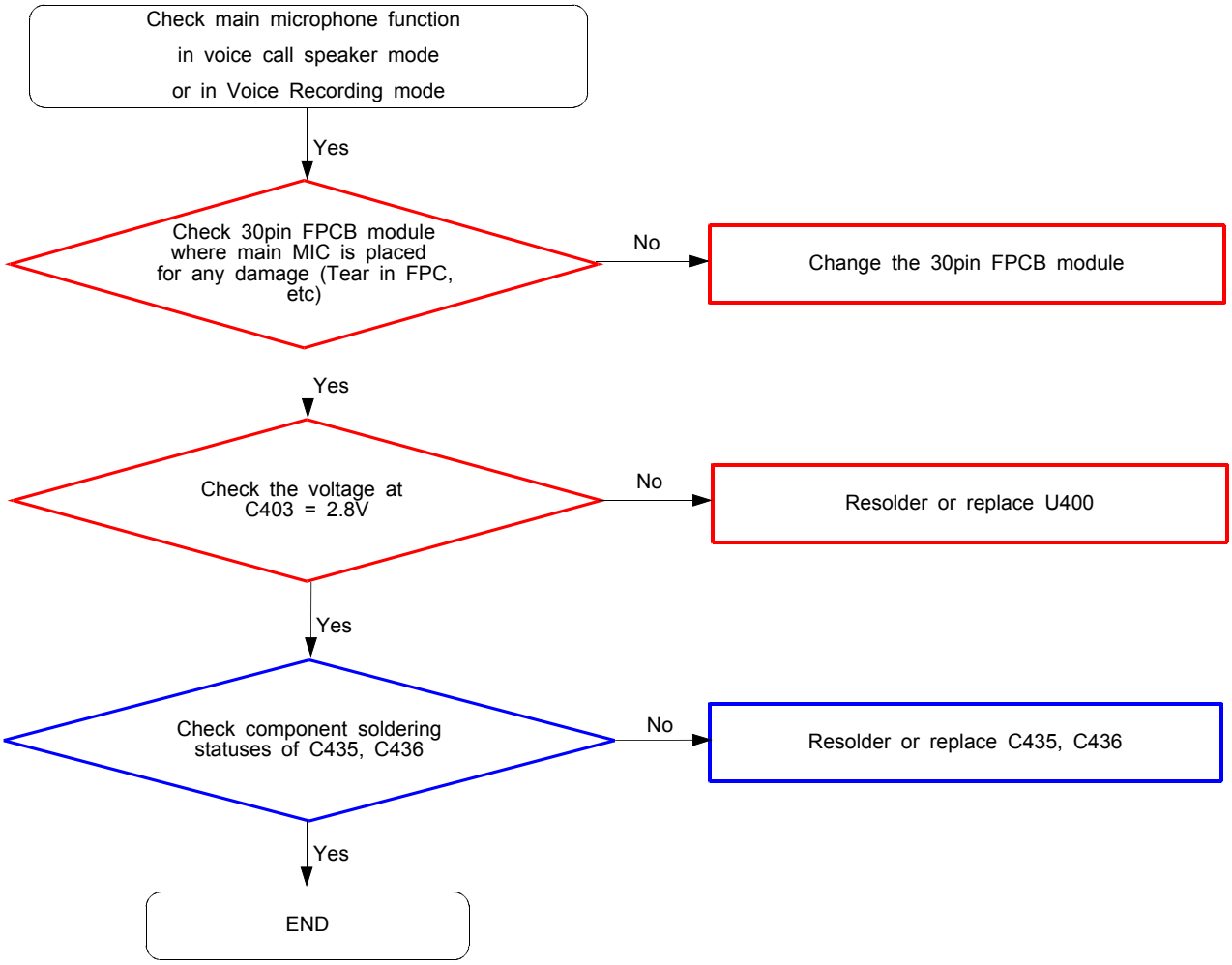


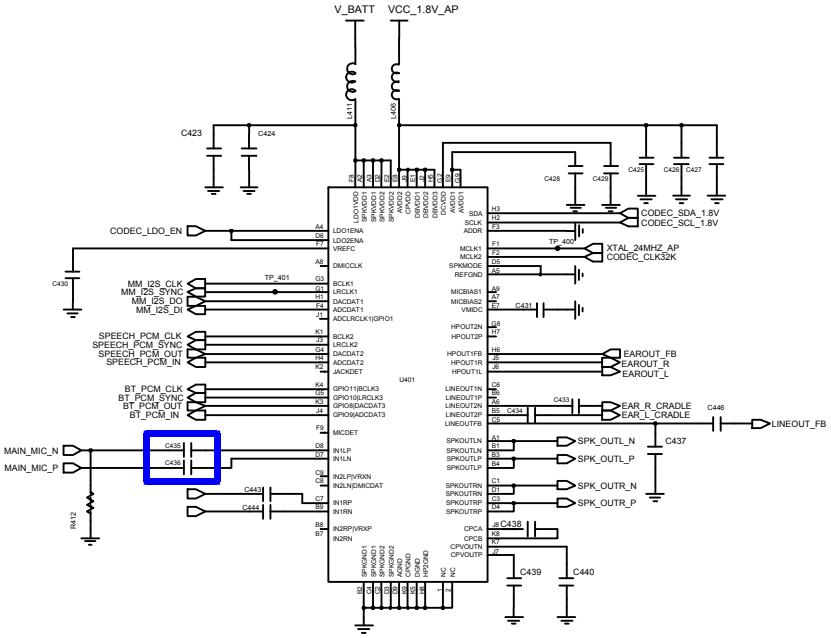
8-3-3. Charging Part

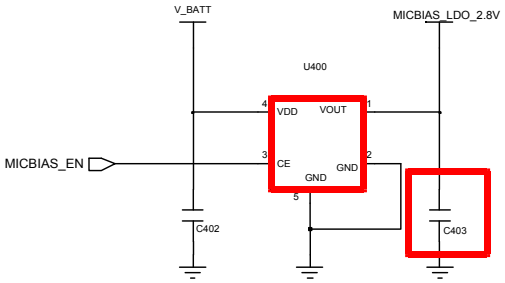


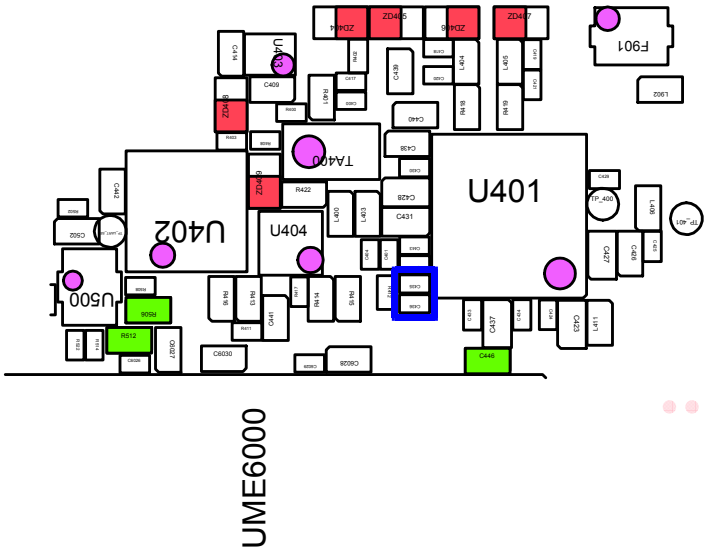


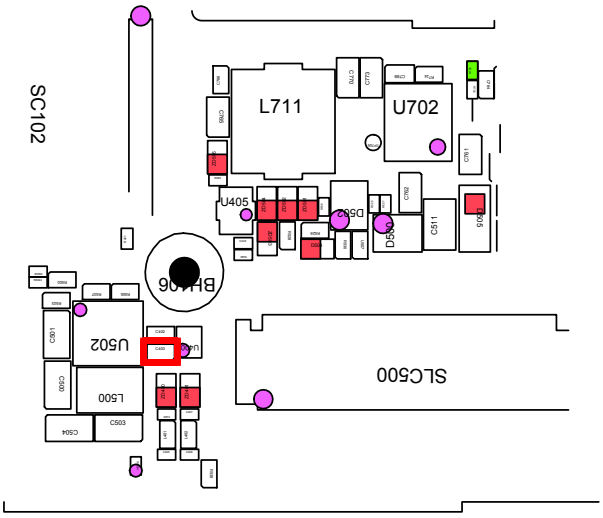
8-3-4. Microphone Part



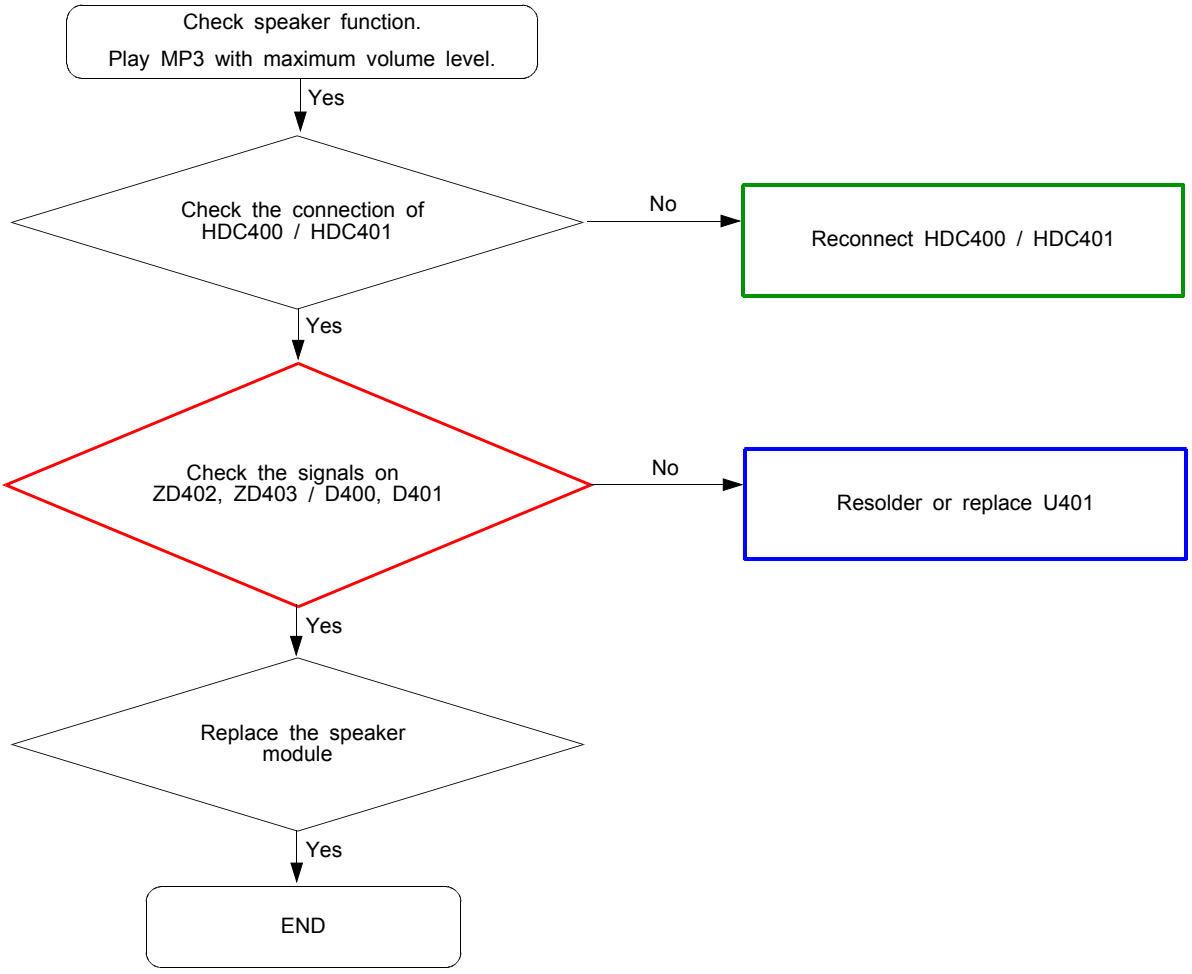


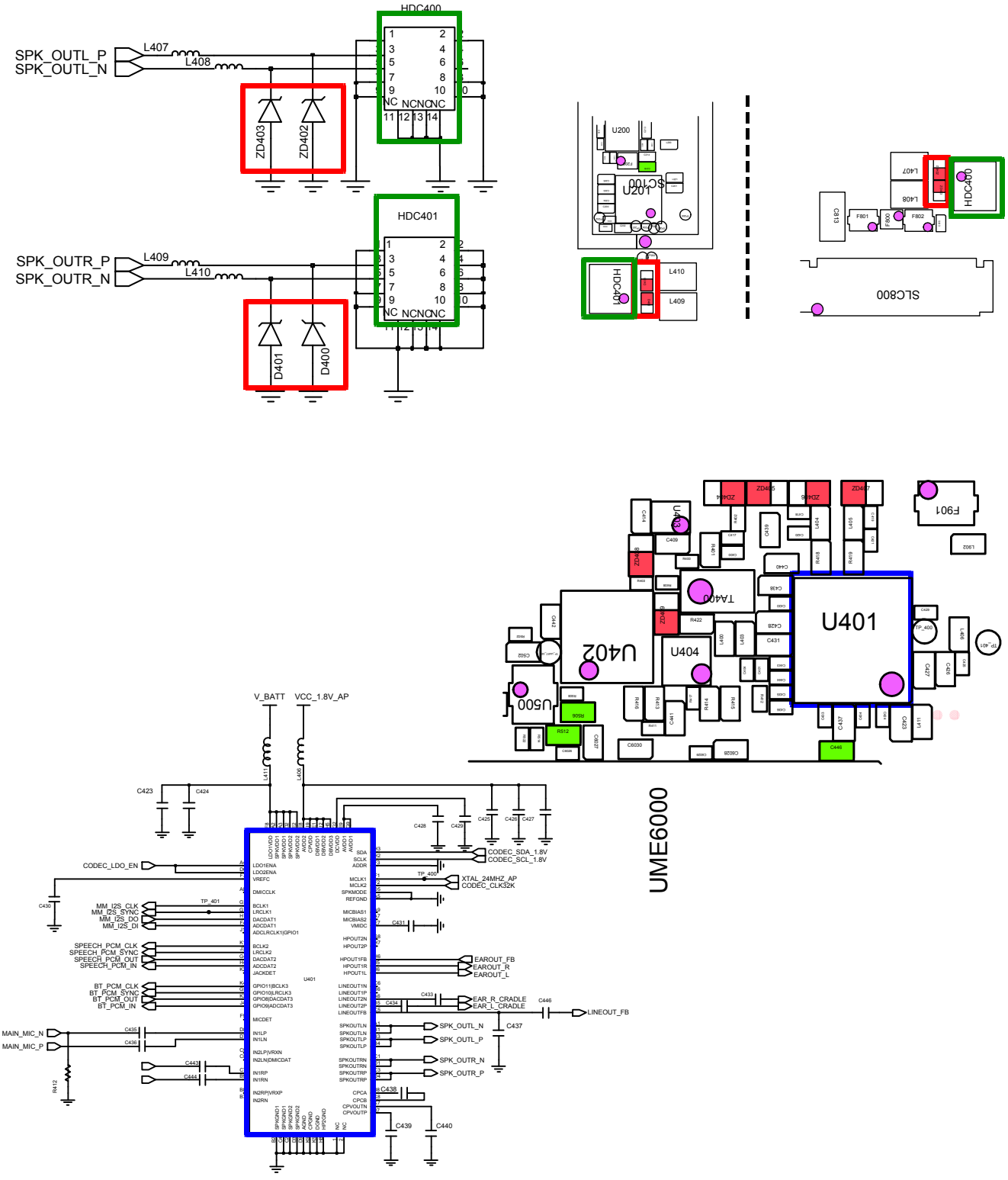




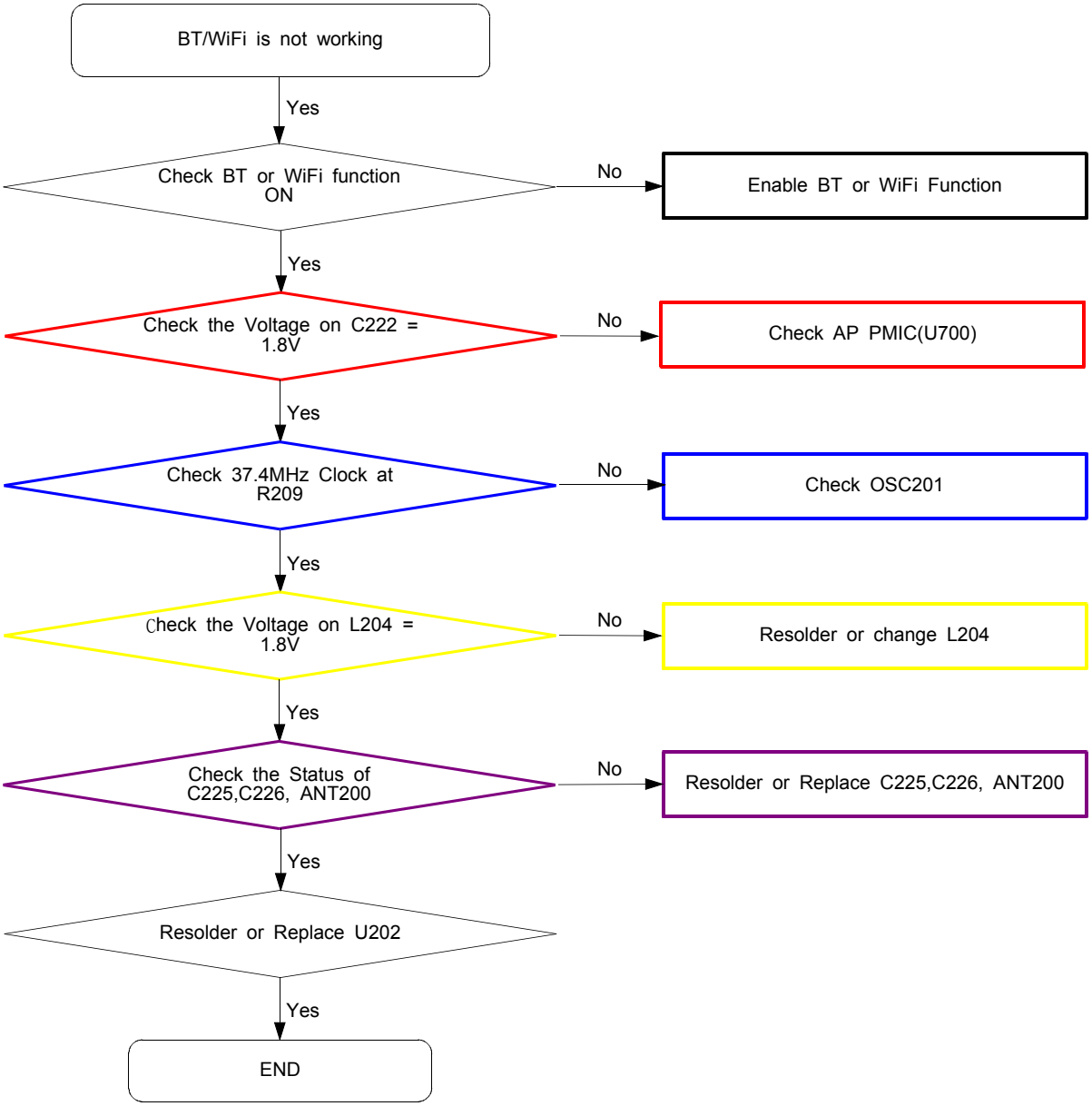


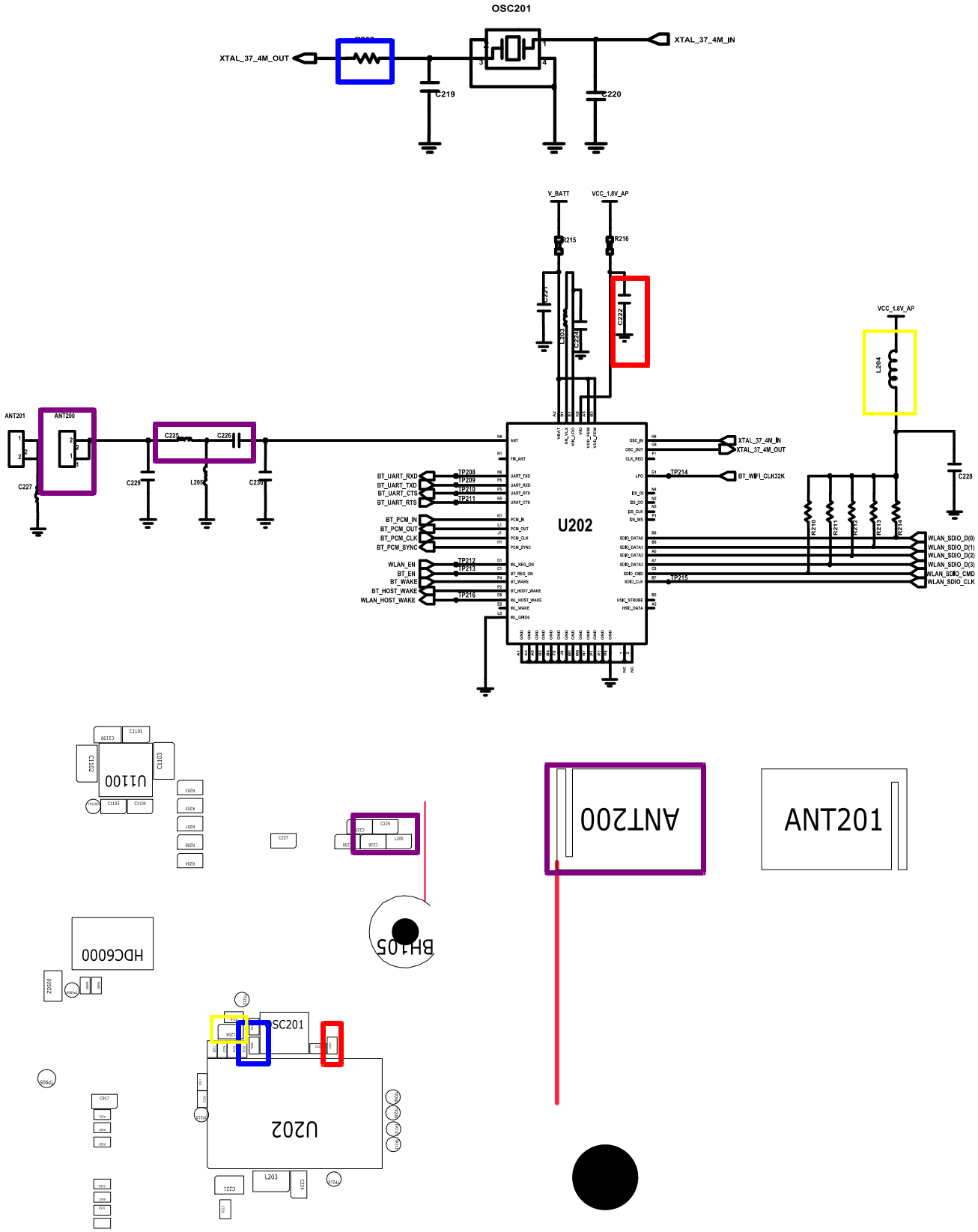
8-3-5. Speaker Part



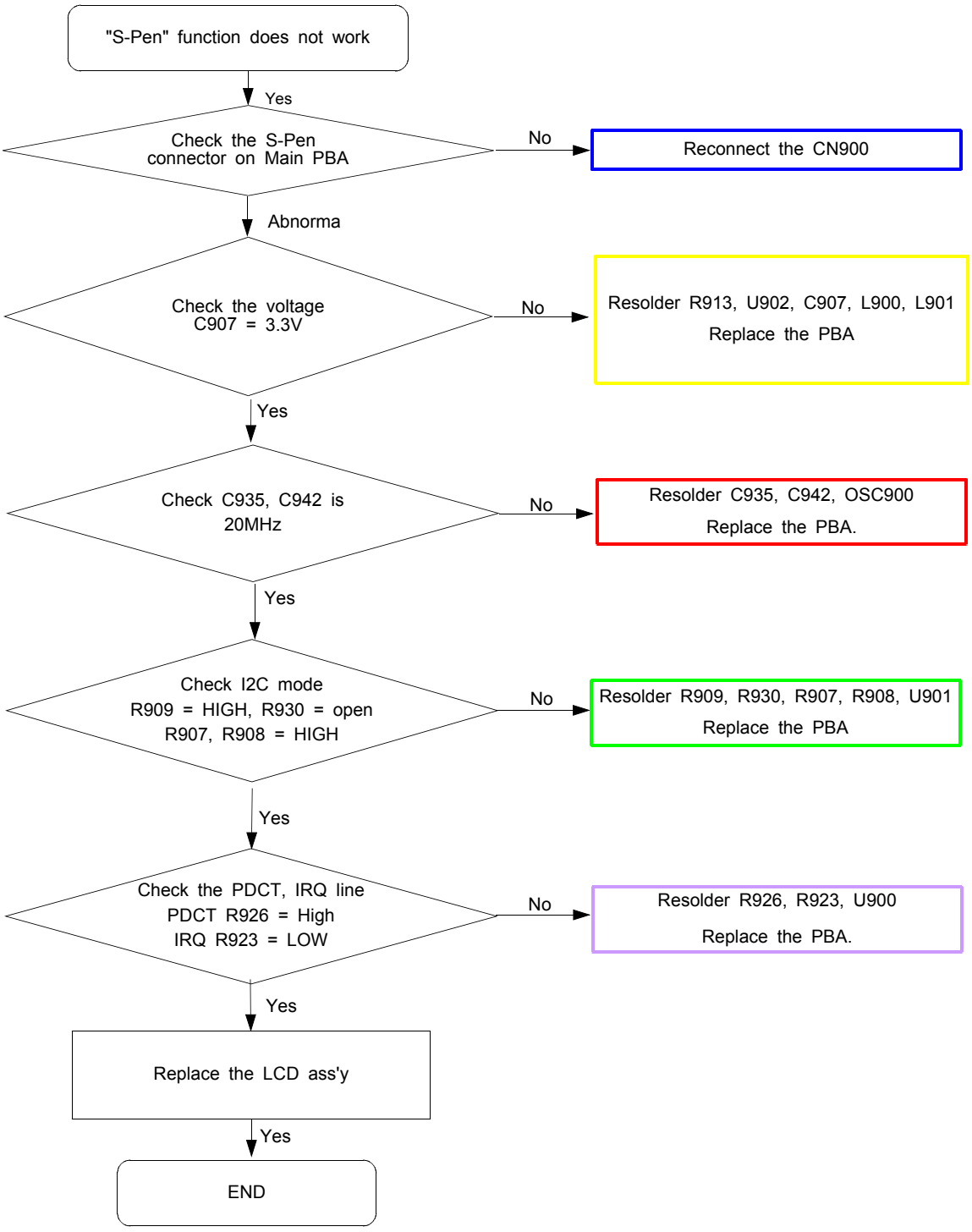


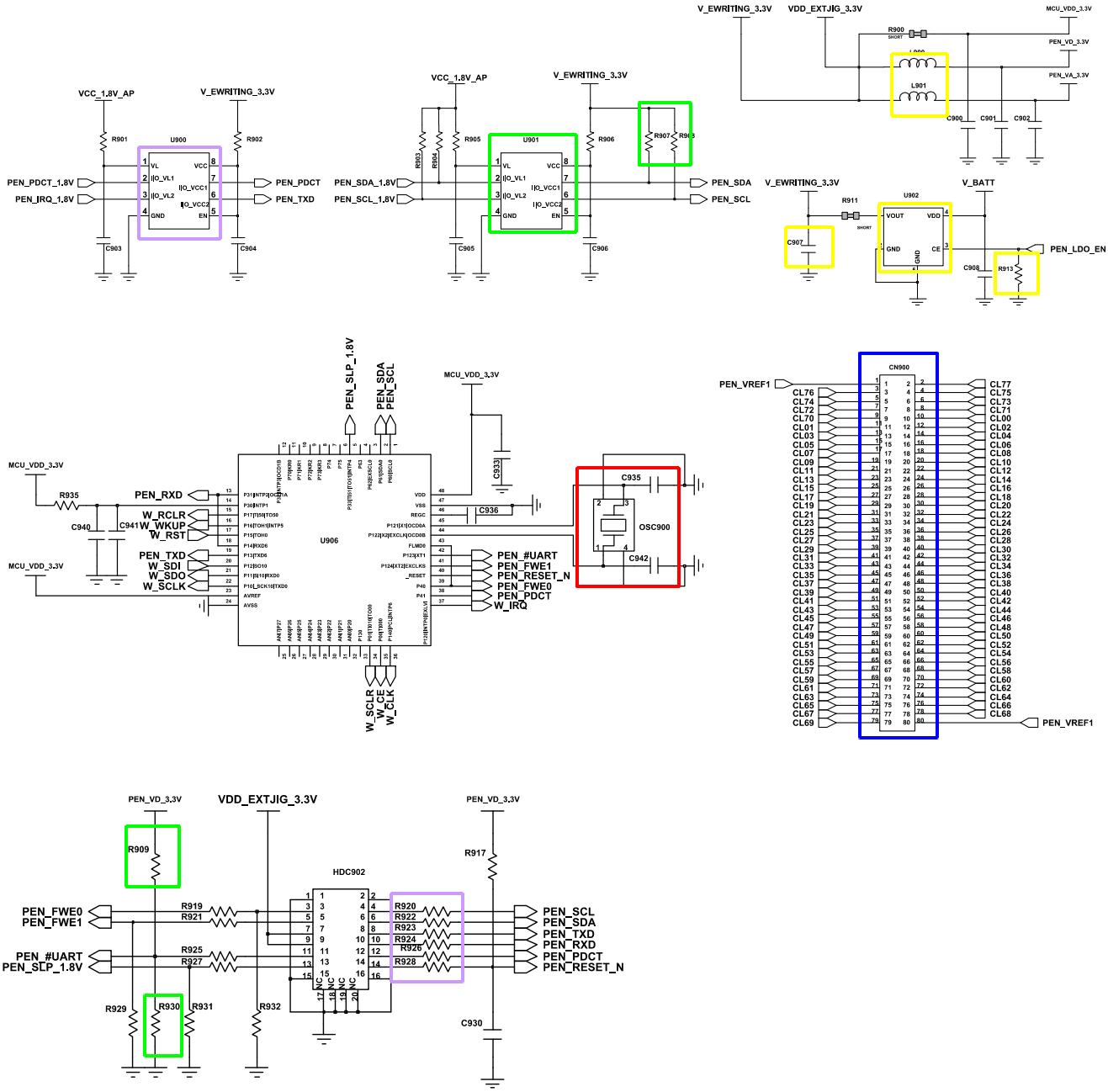
8-3-6. BT/WIFI

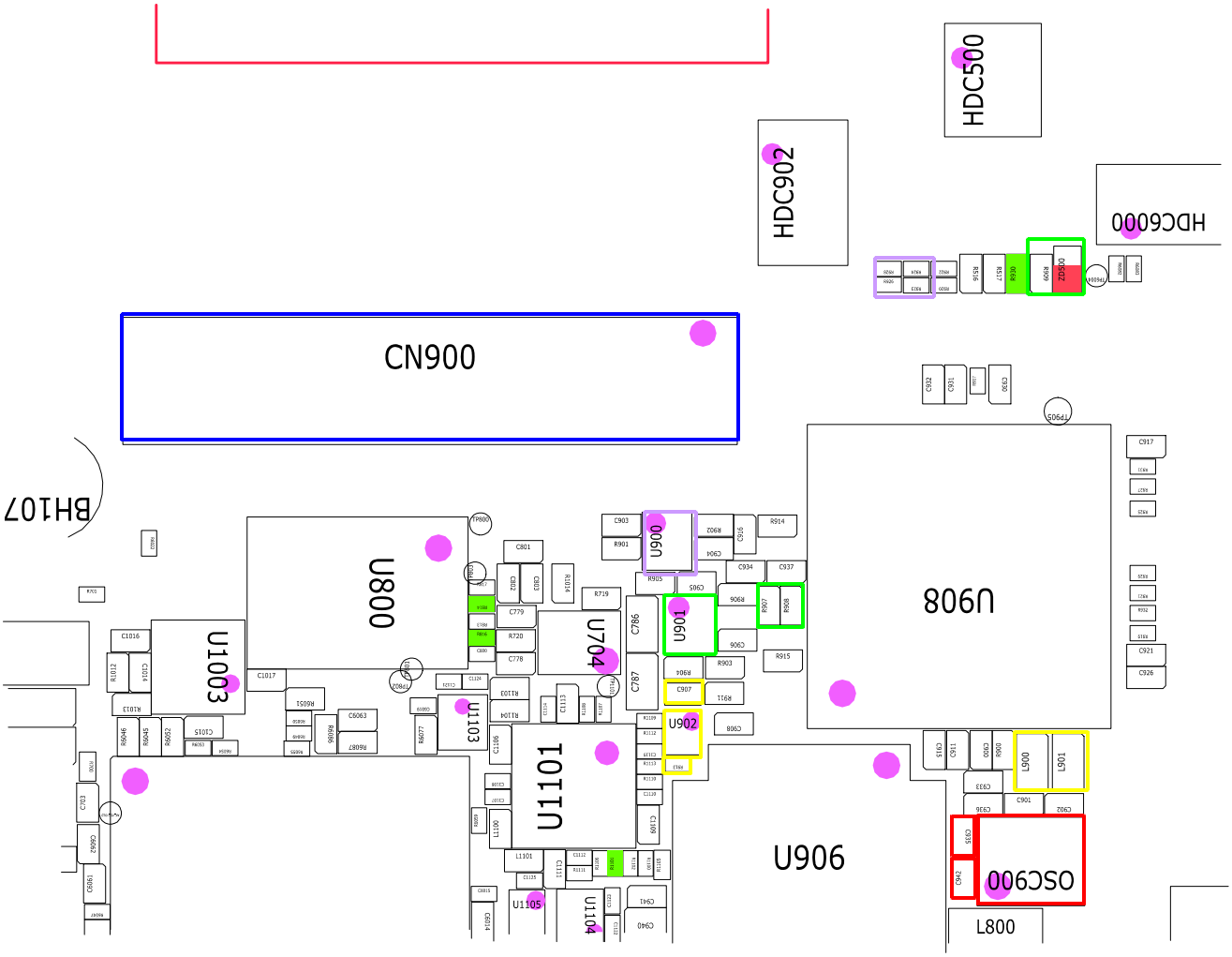




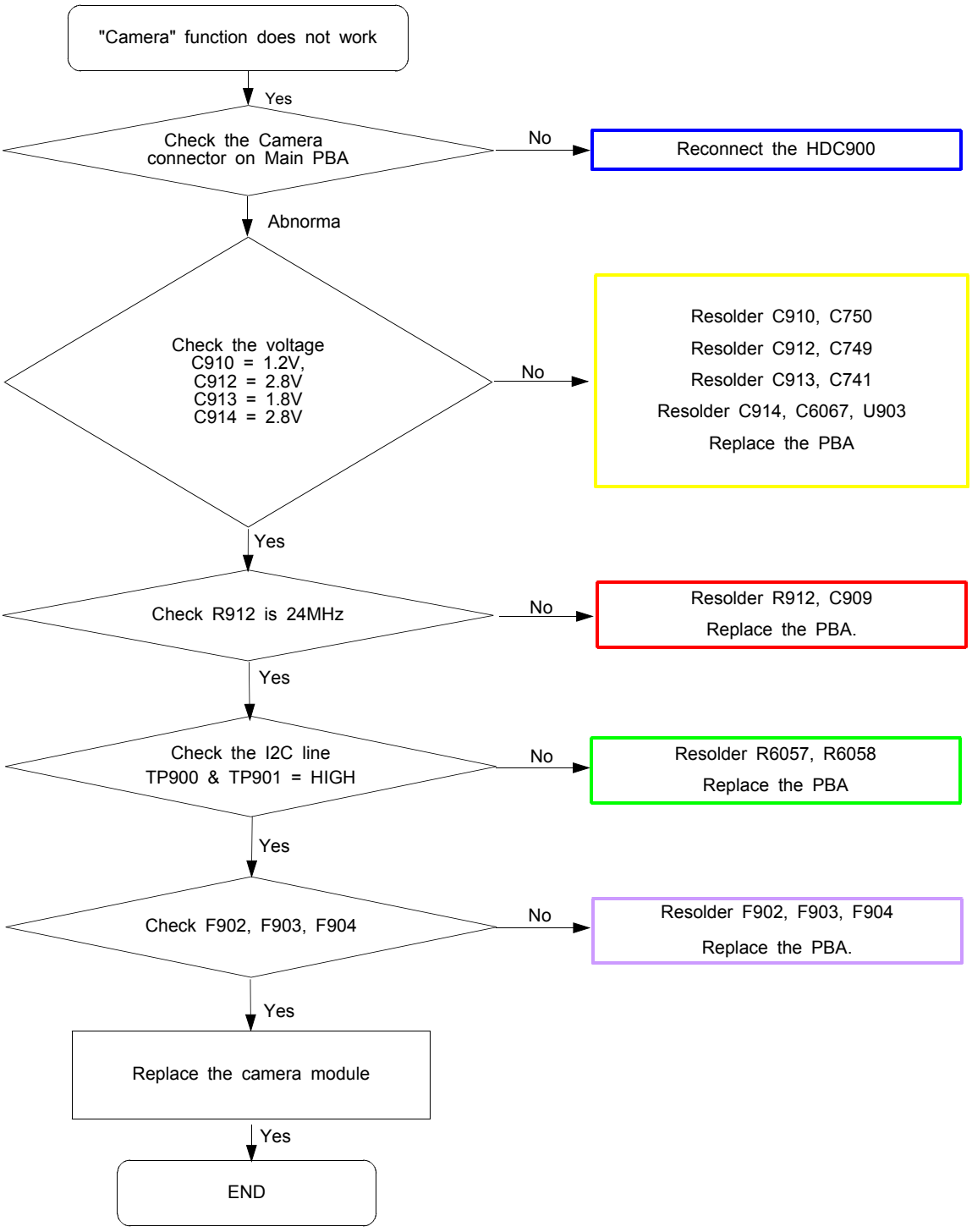
8-3-7. S-Pen

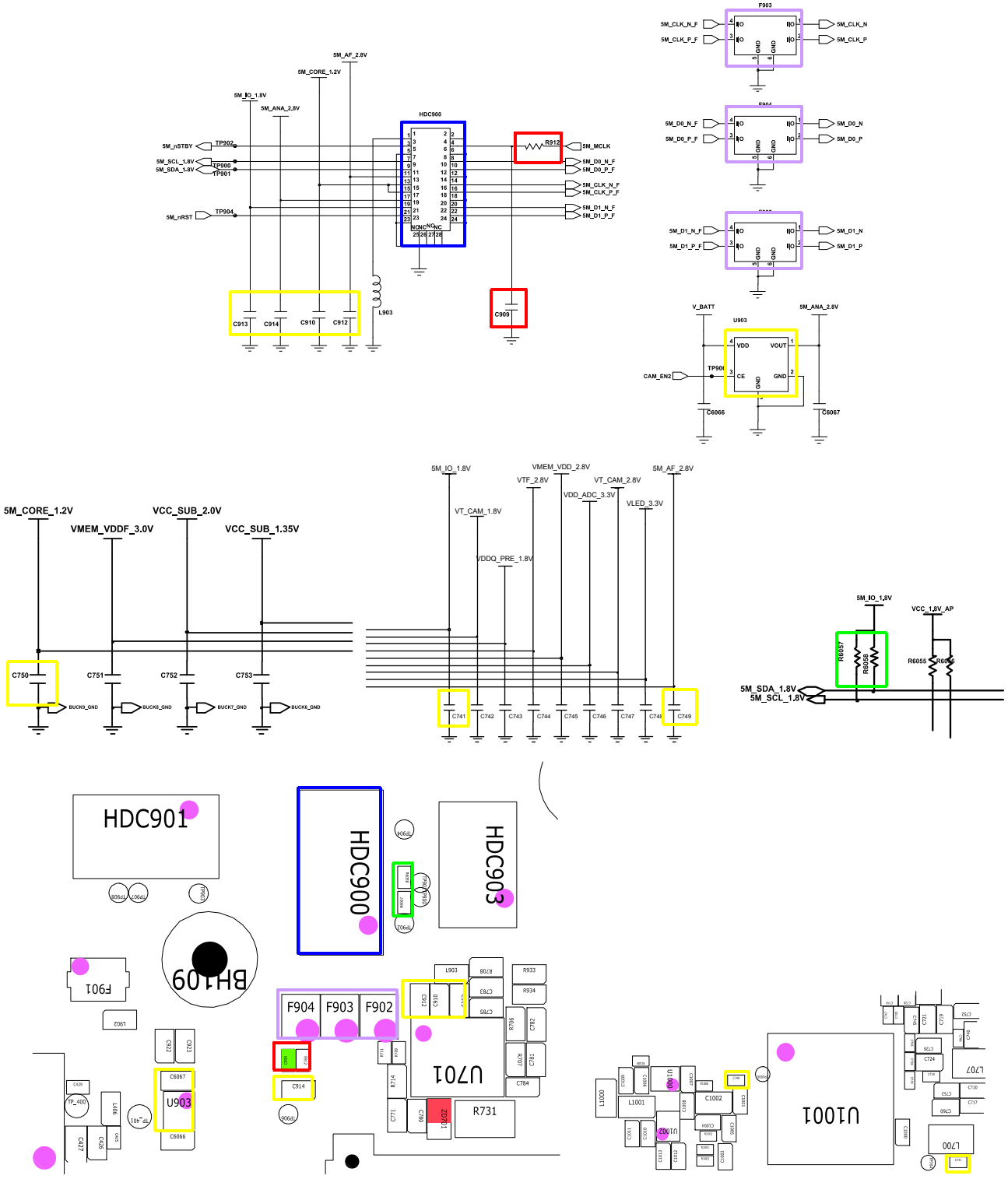




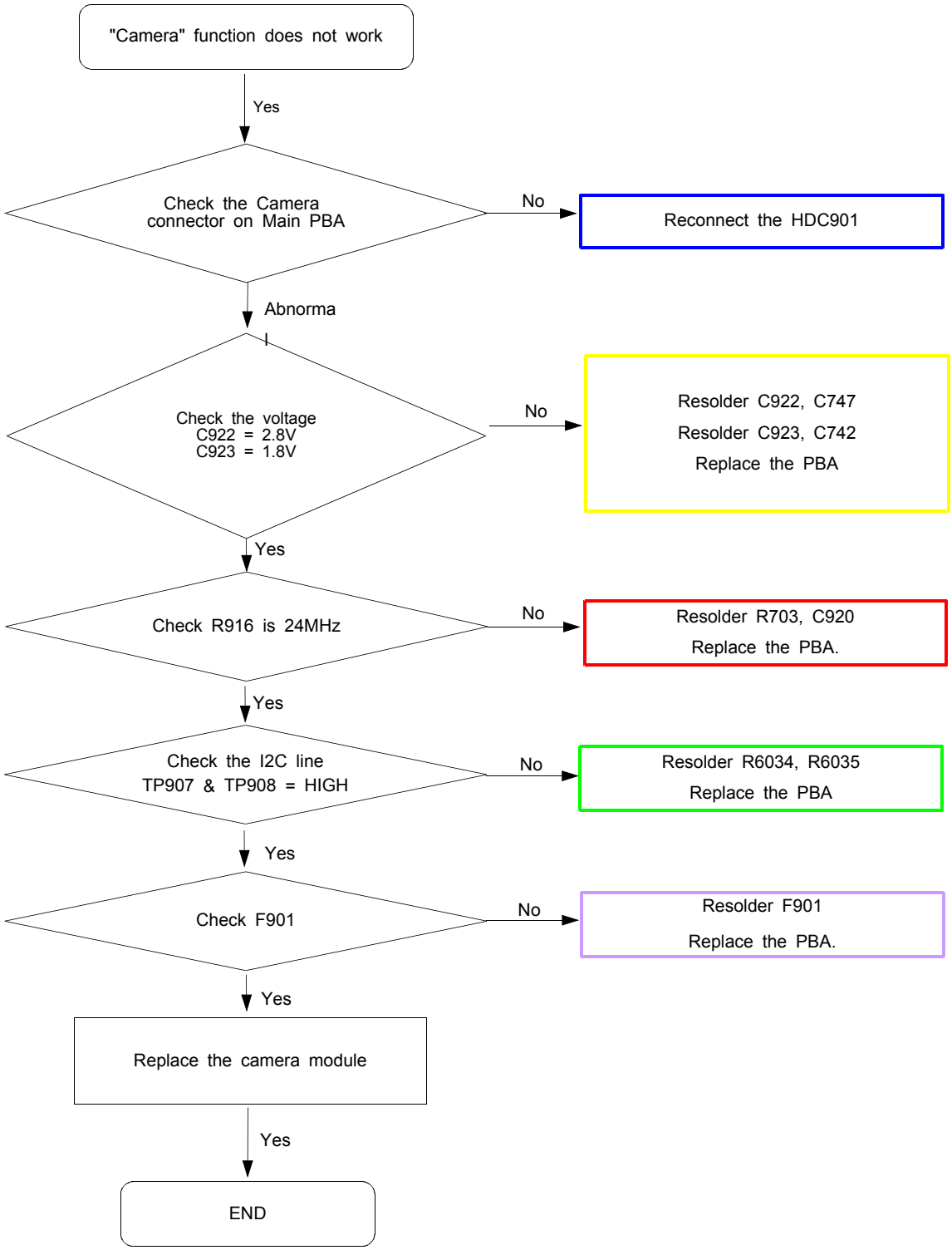


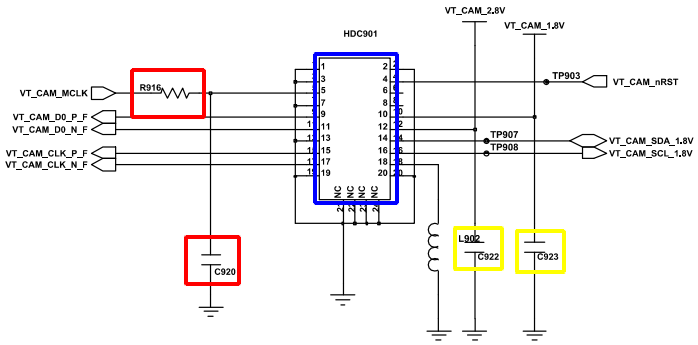
8-3-8. 5M CAM

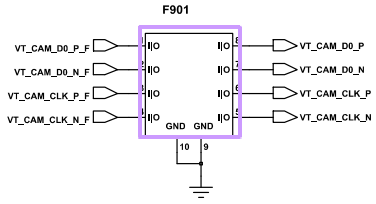


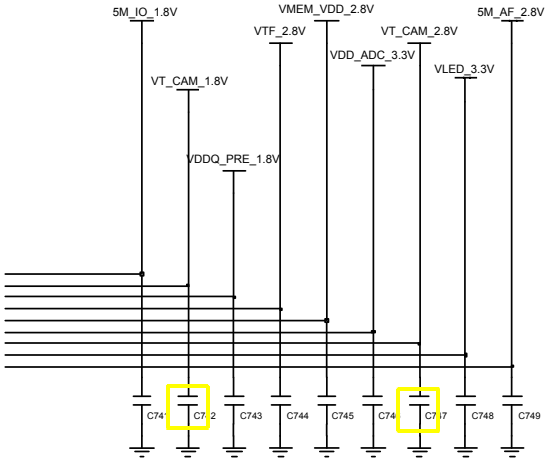


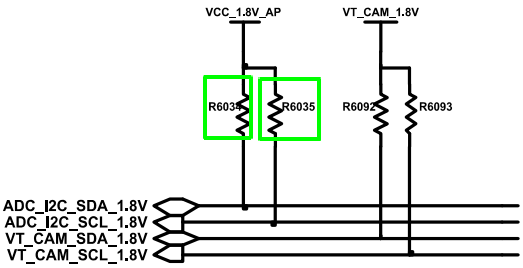
8-3-9. 1.9M CAM

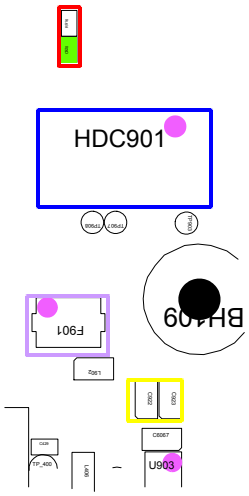


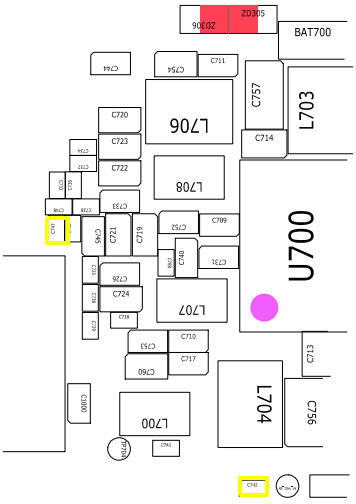


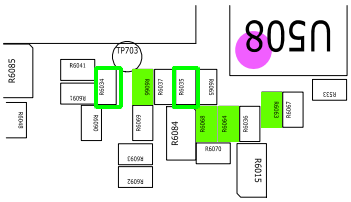




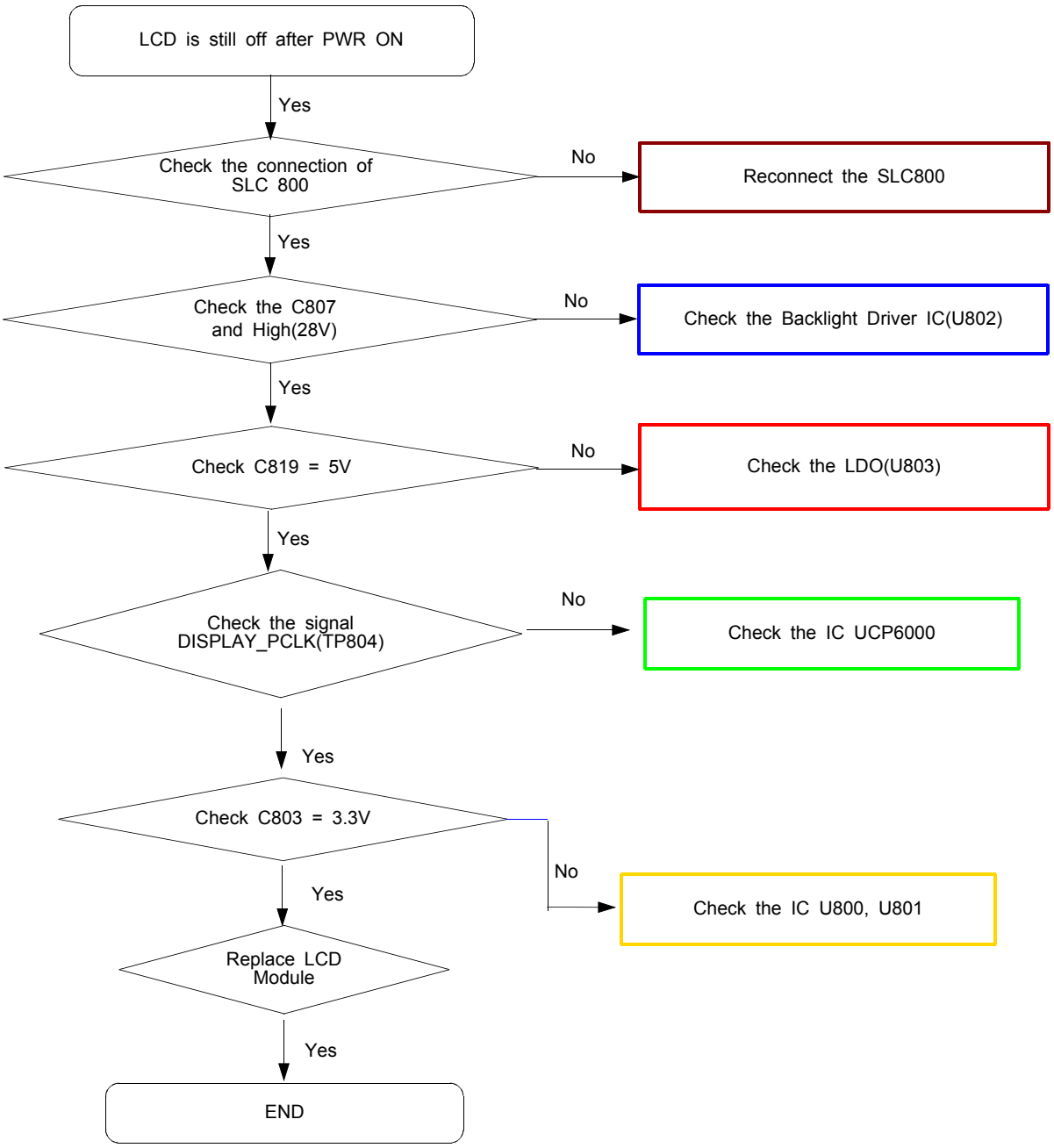


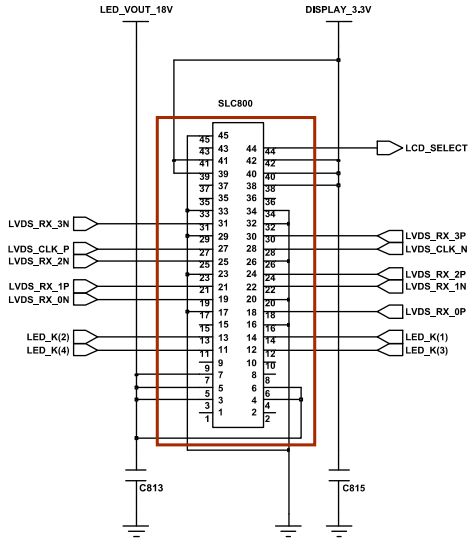


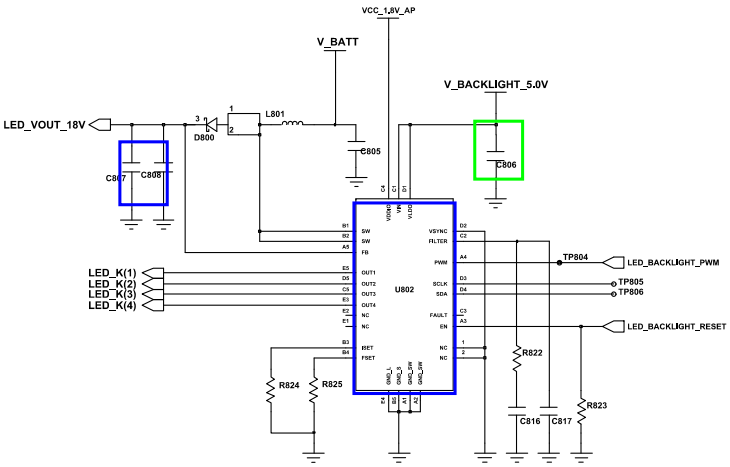


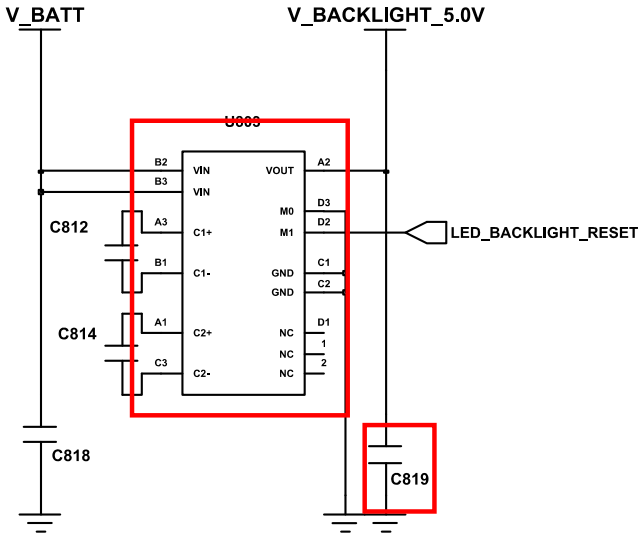


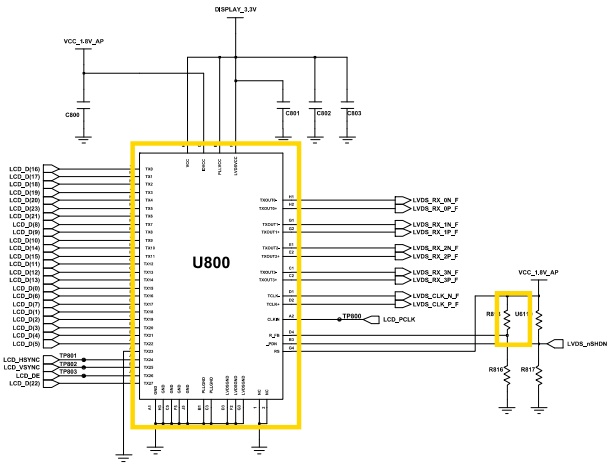
8-3-10. LCD

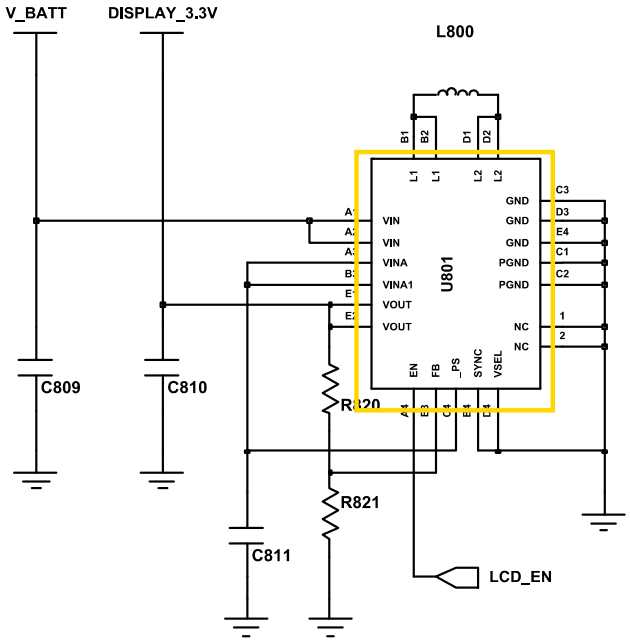


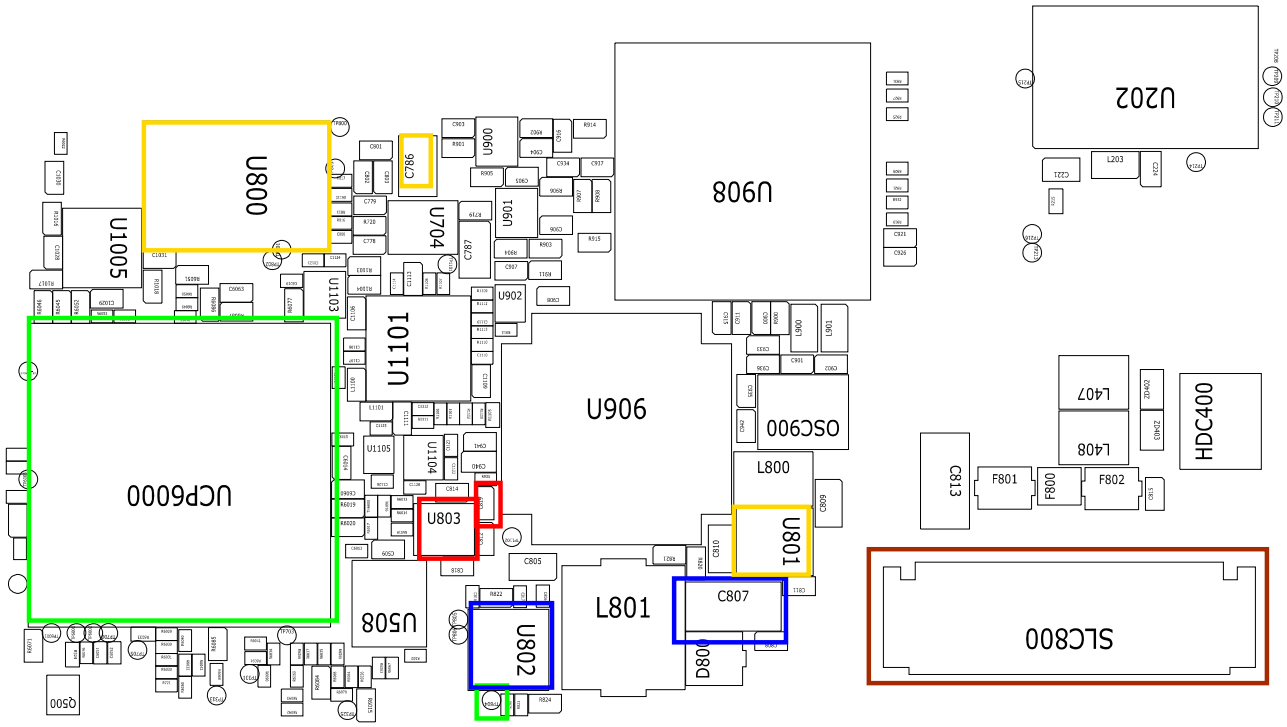




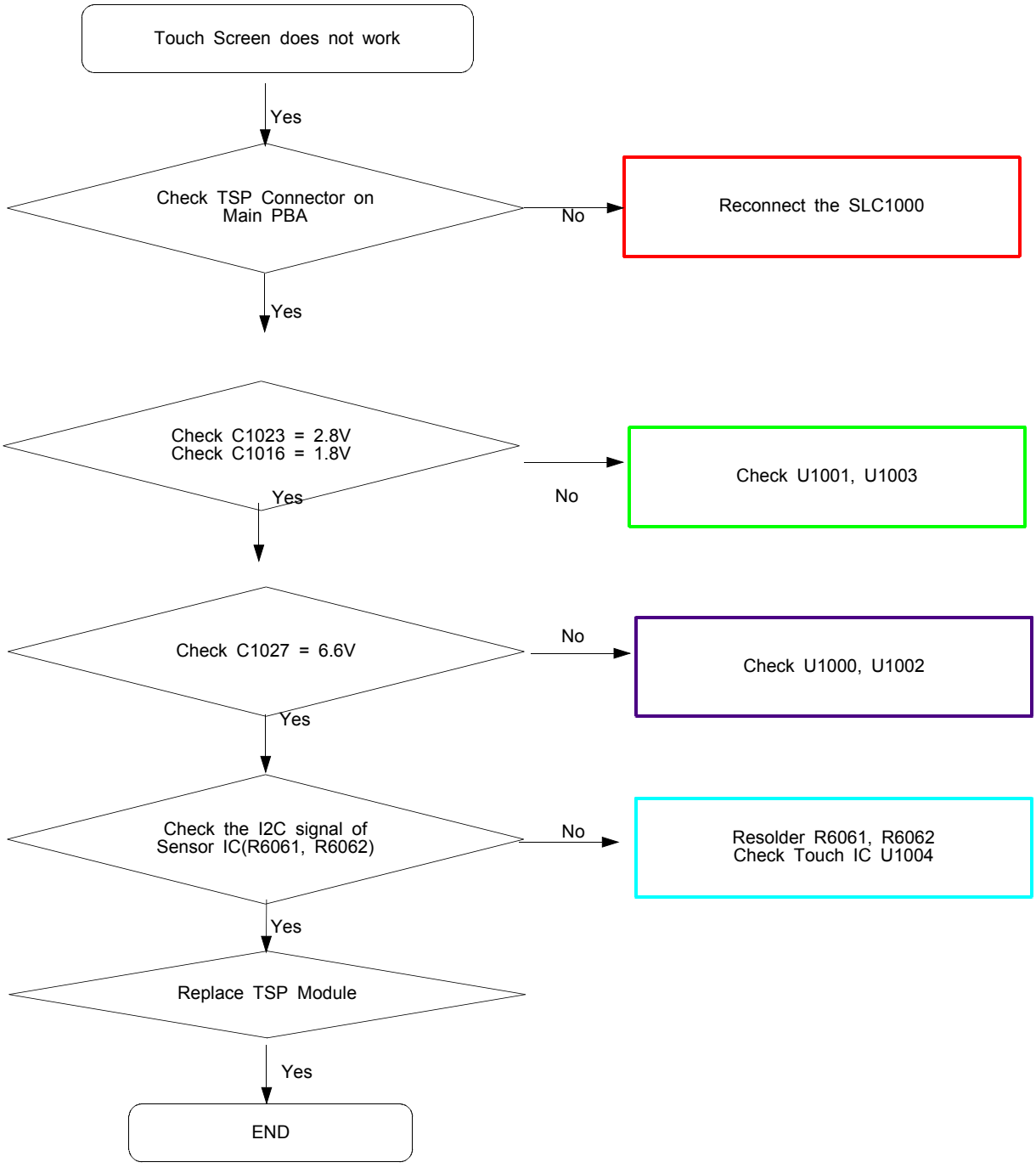


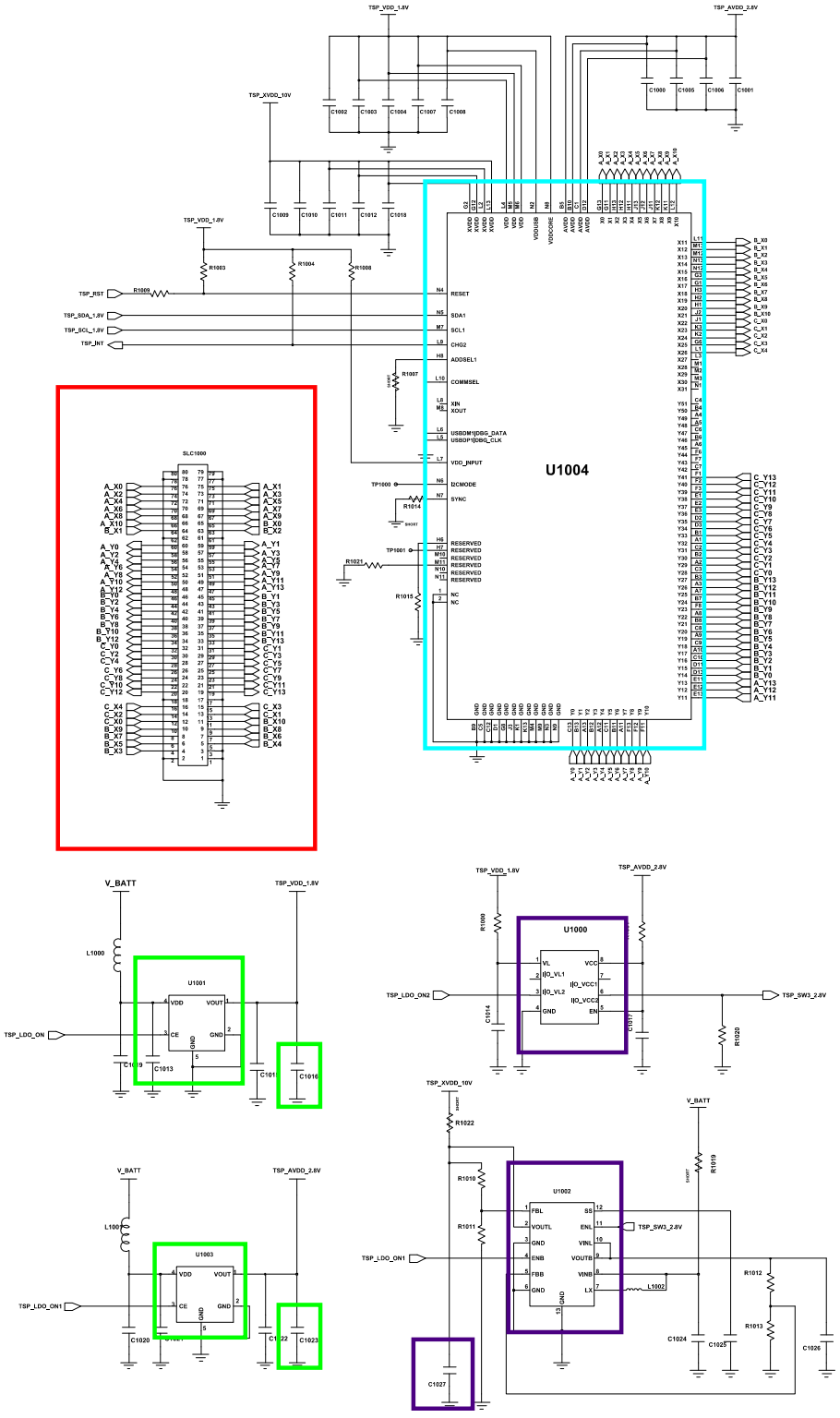


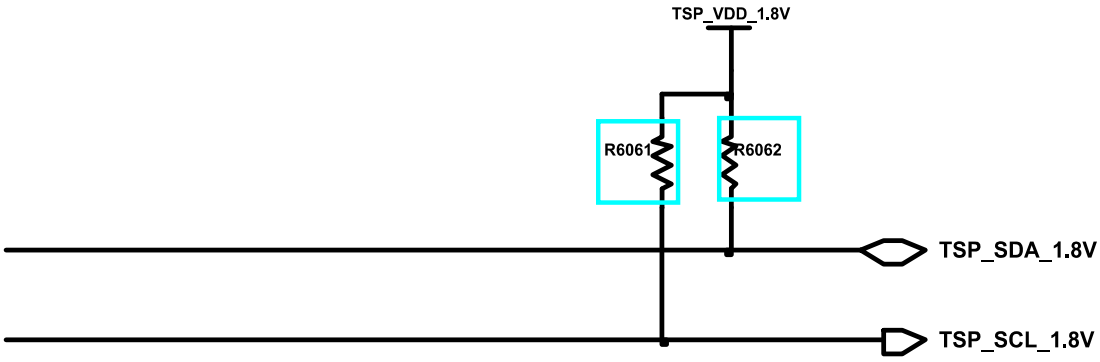


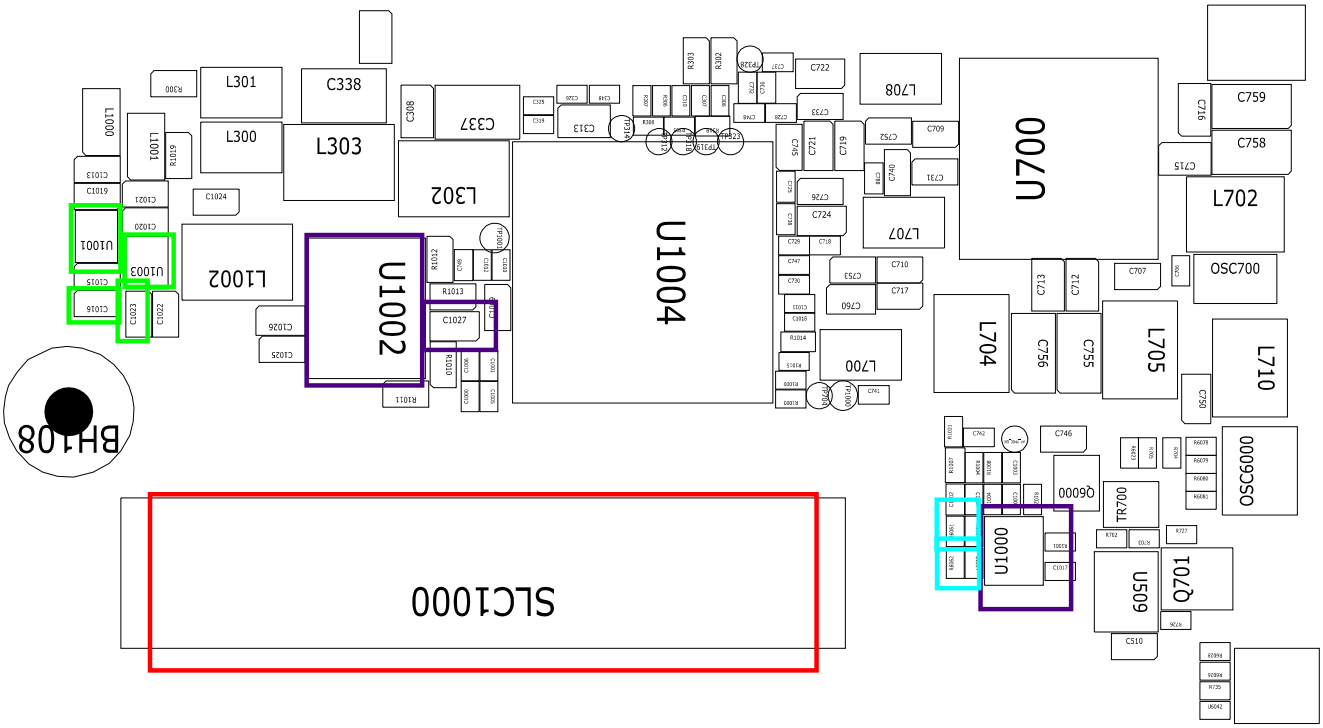


8-3-11. TSP

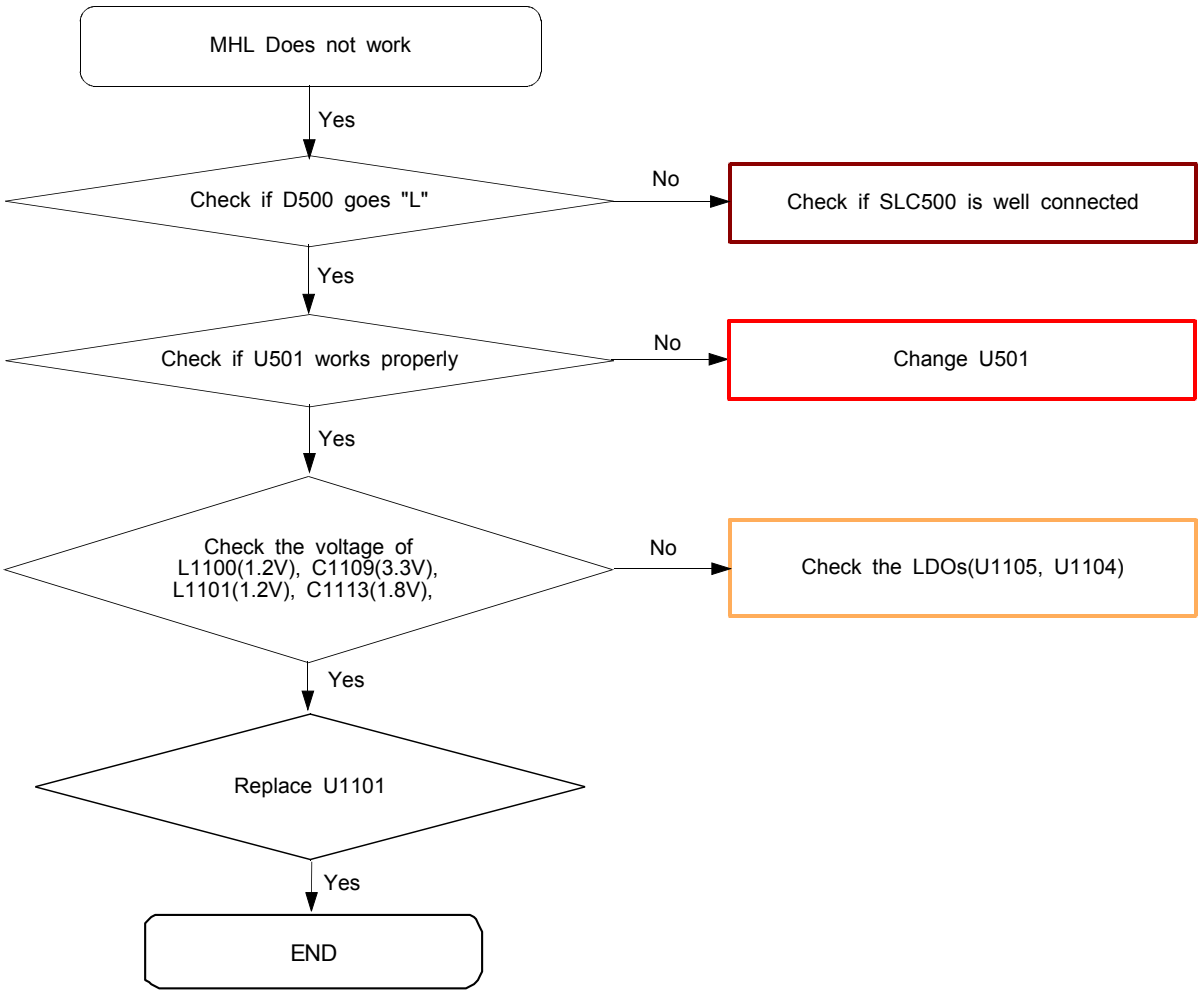


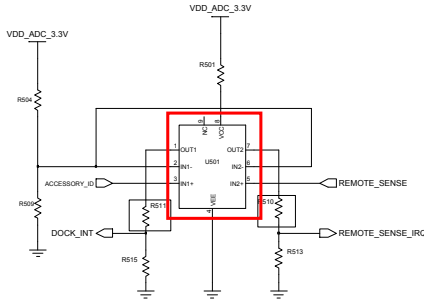


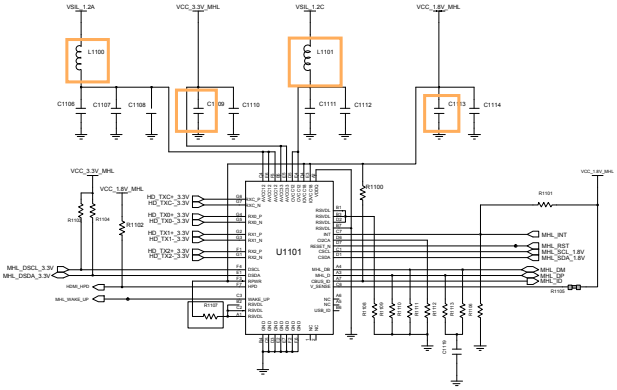


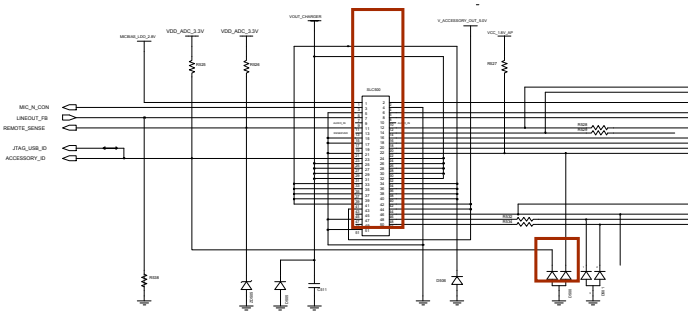


8-3-12. MHL

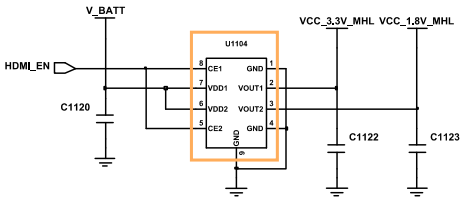


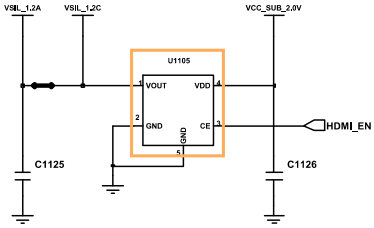


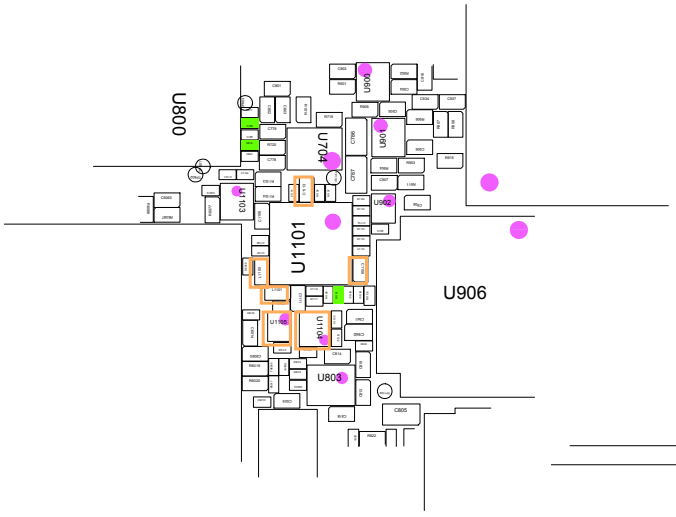


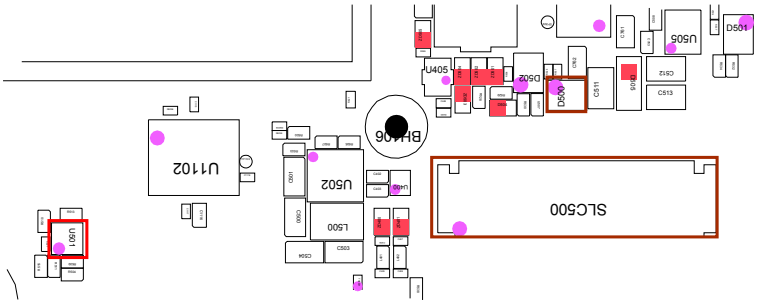


50pin <- 30pin I/F

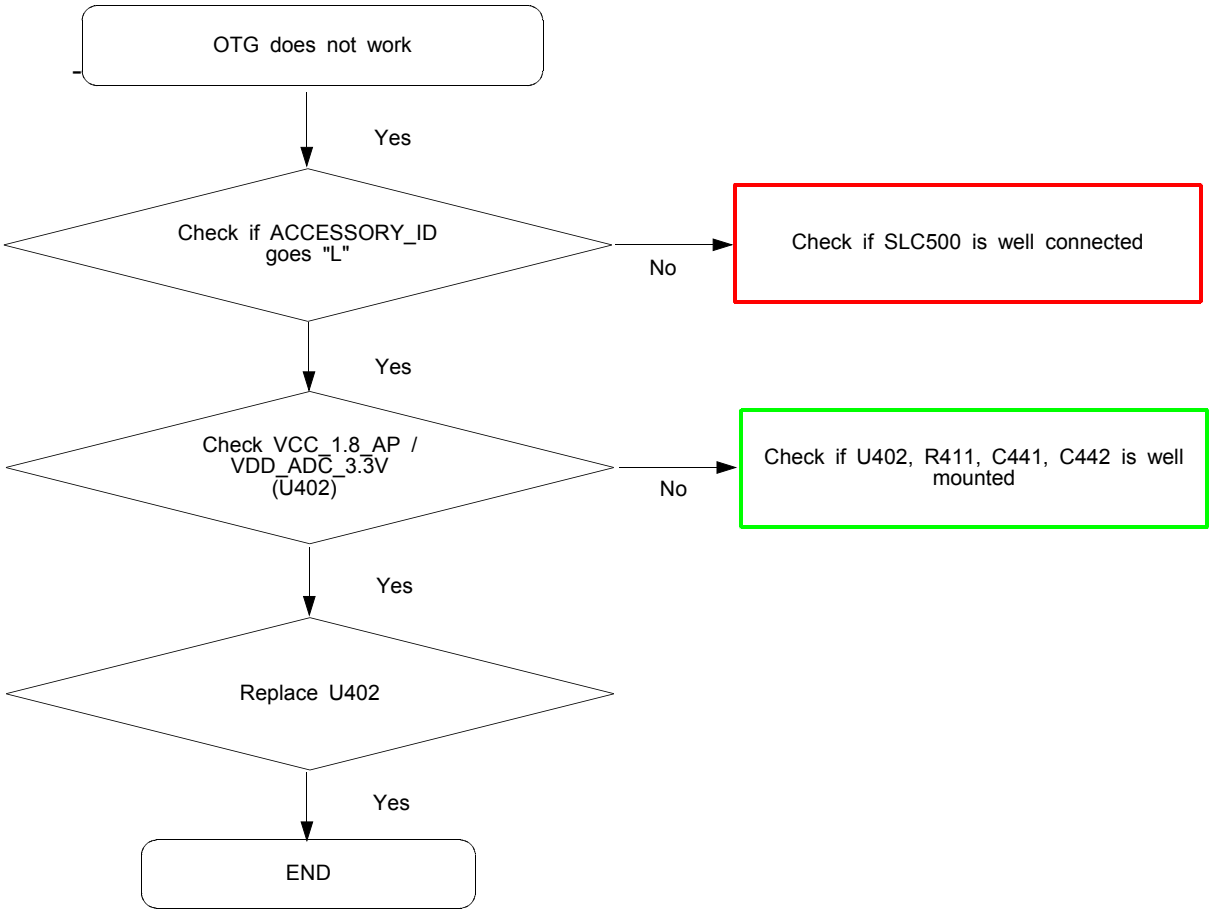


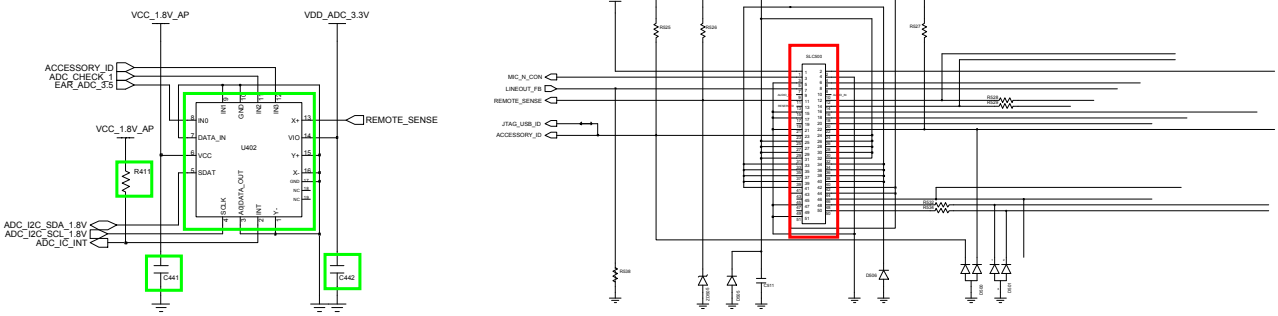


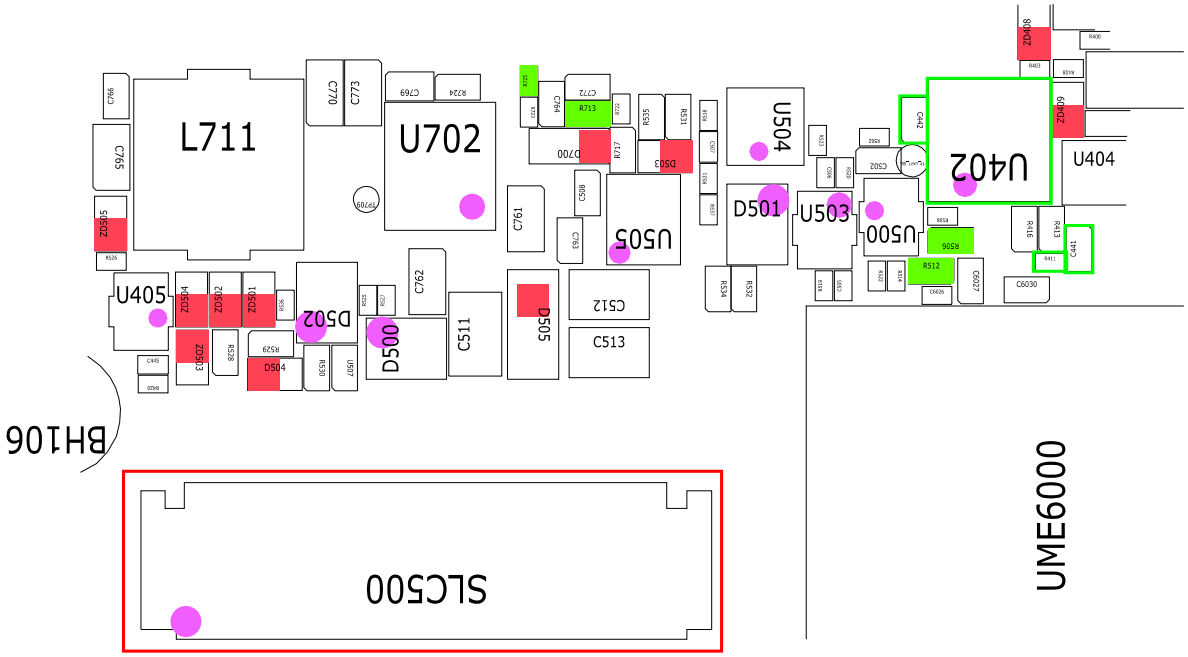




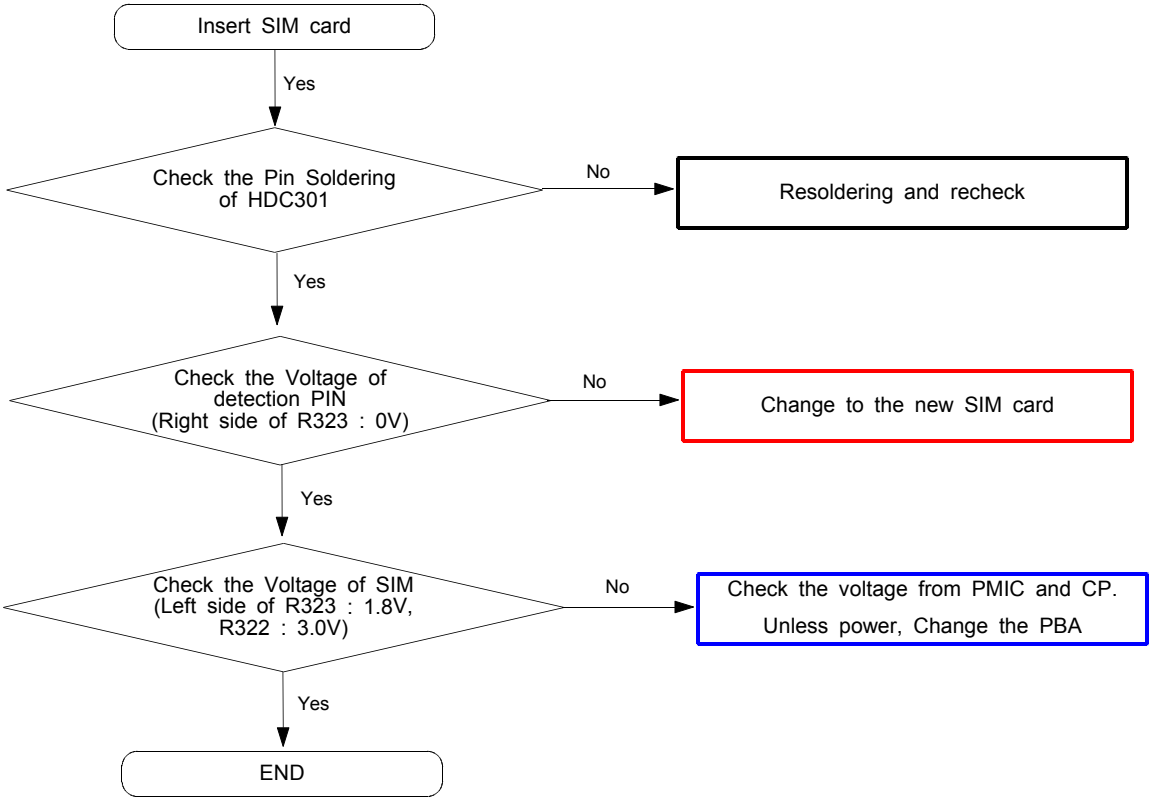
8-3-13. OTG

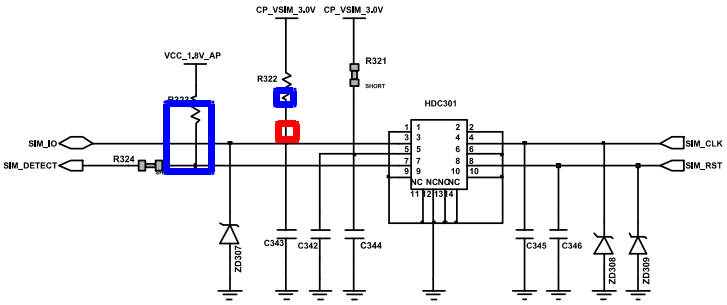


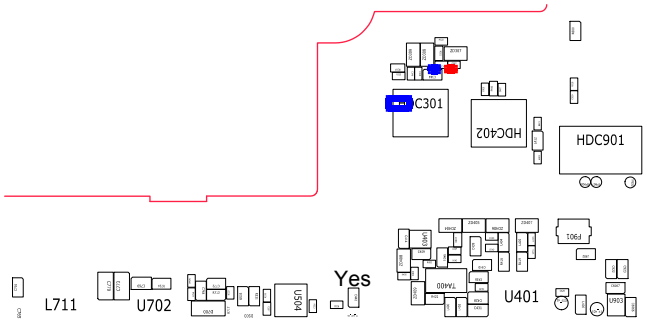




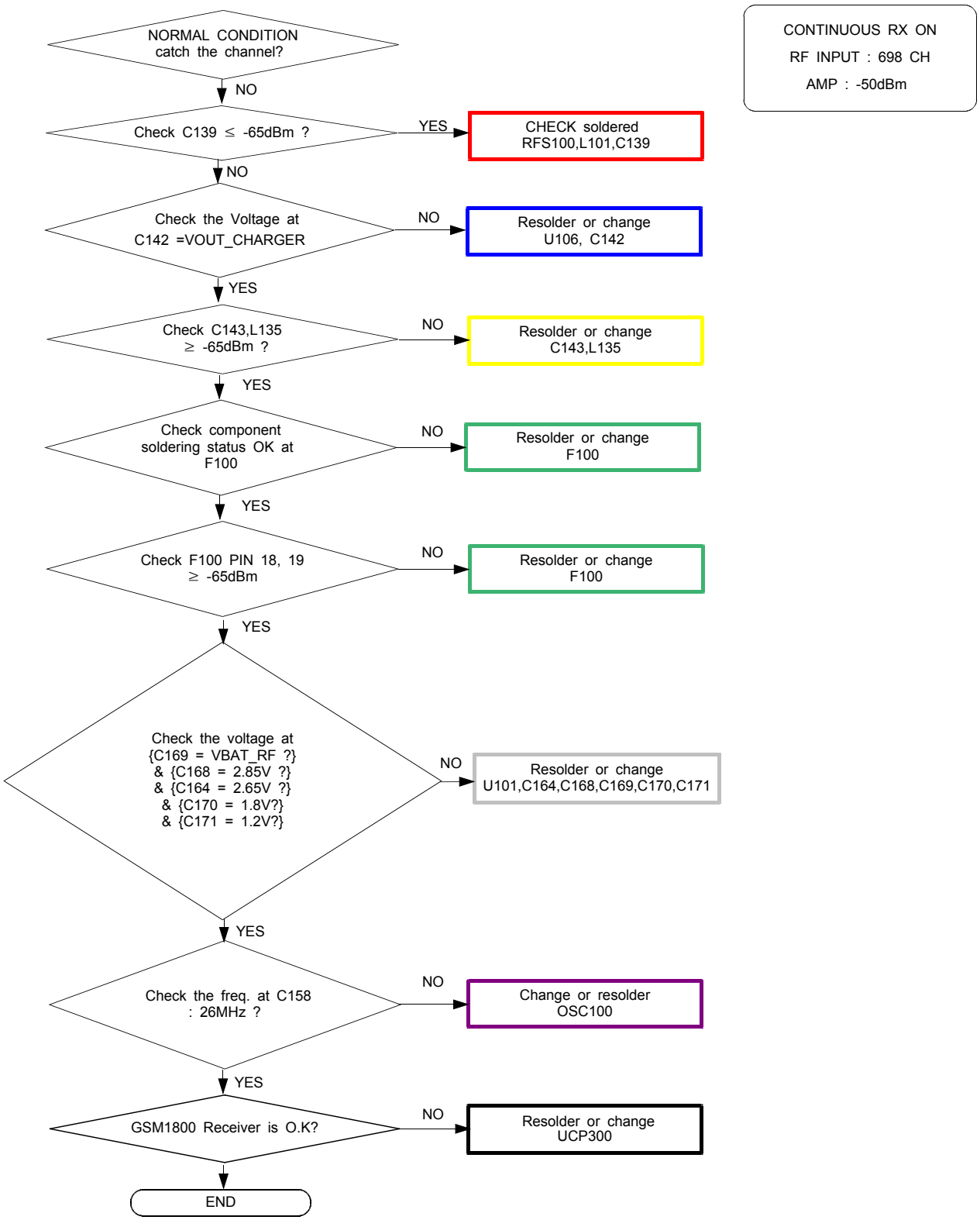
8-3-14. Sim Part

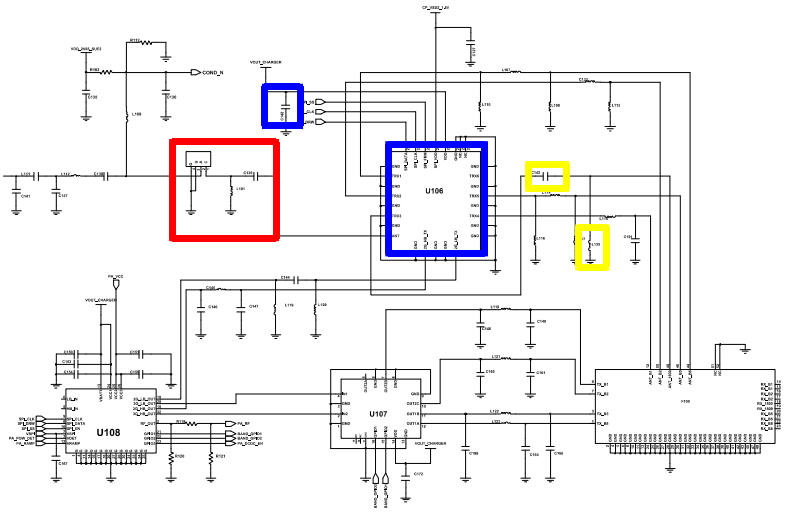


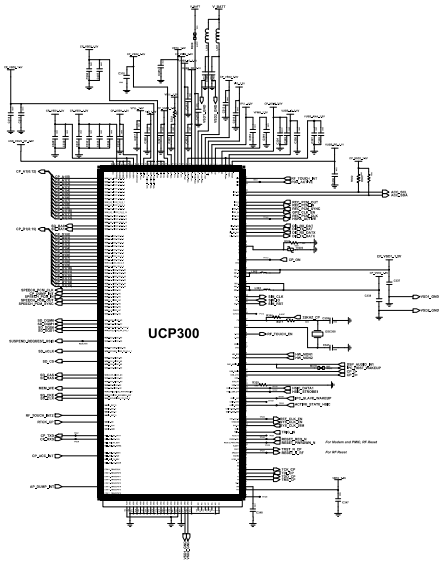


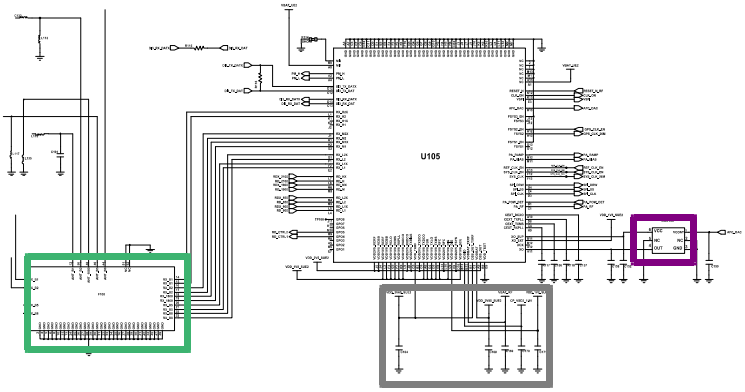


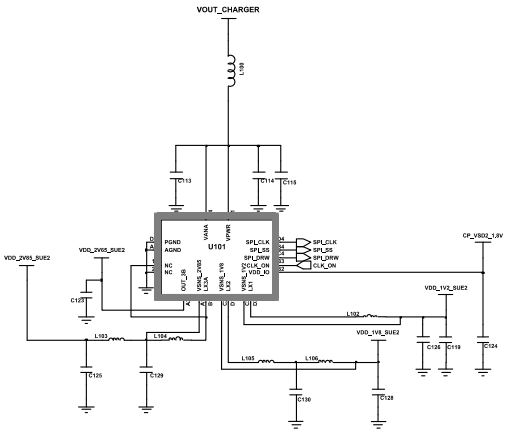
8-3-15. GSM1800 RX

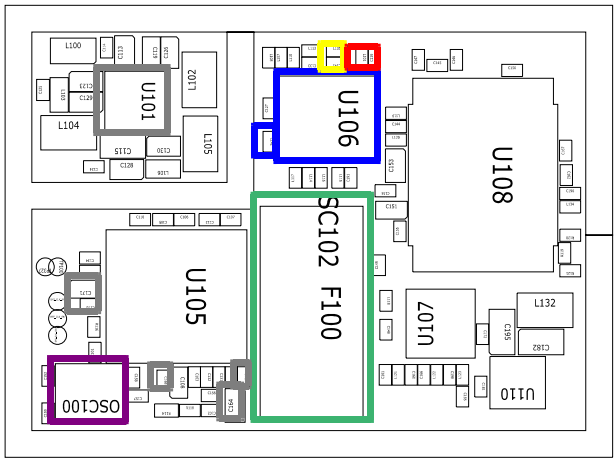


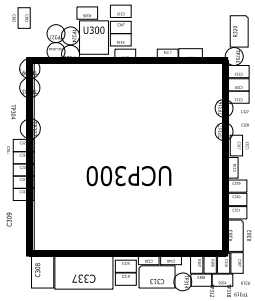




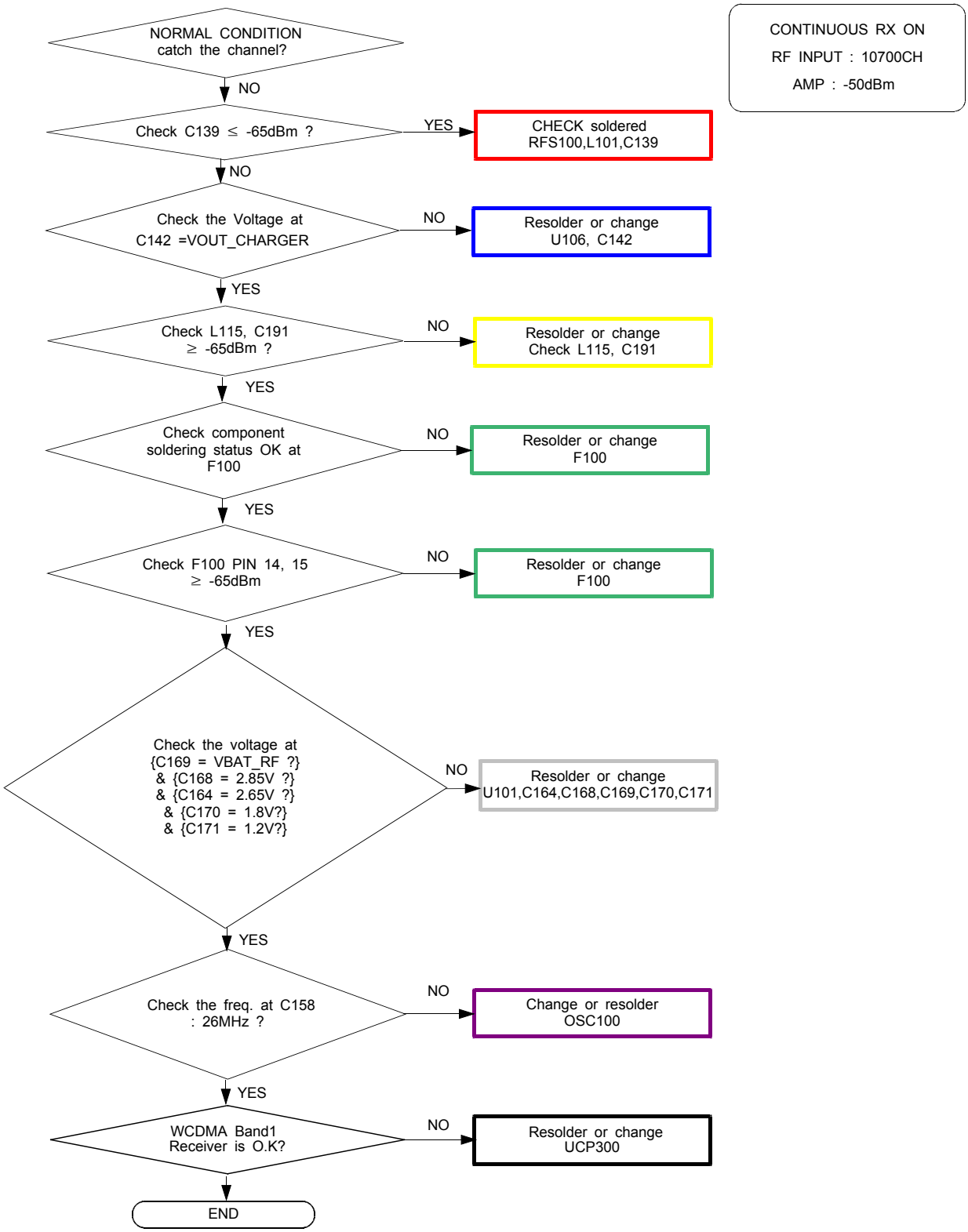


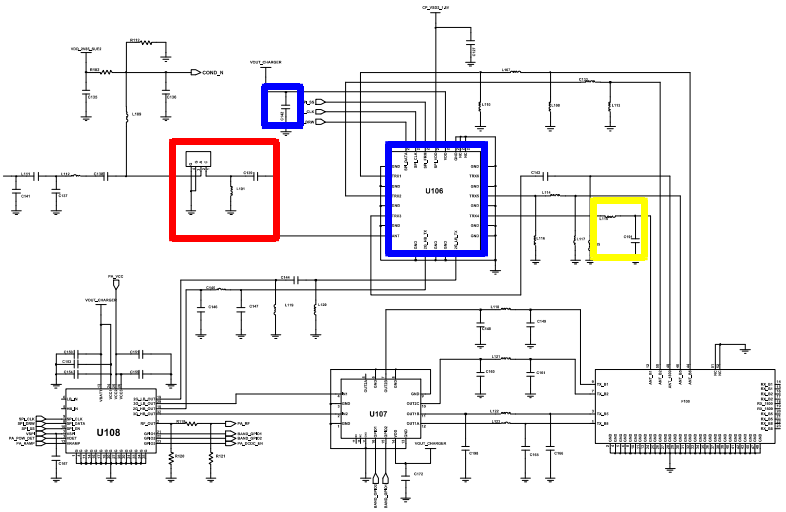


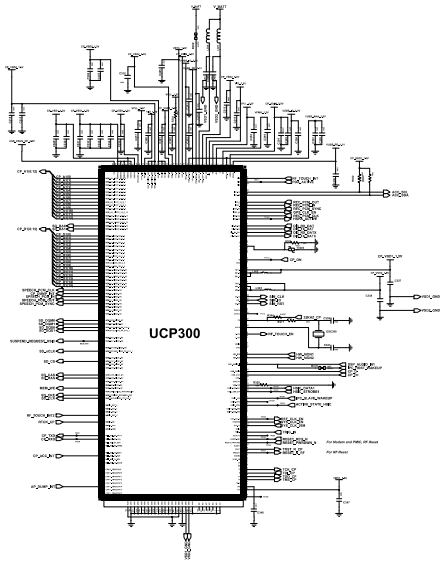


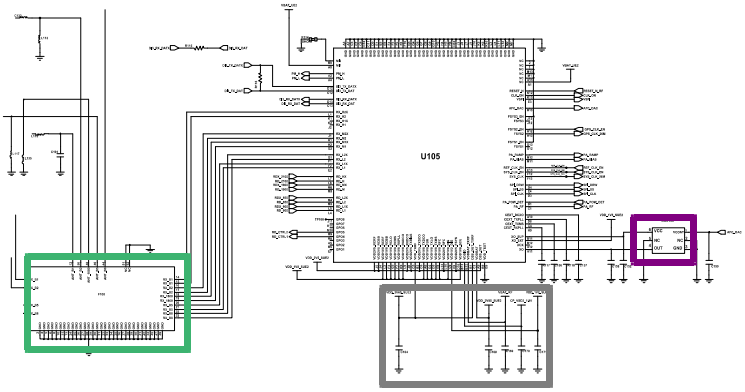


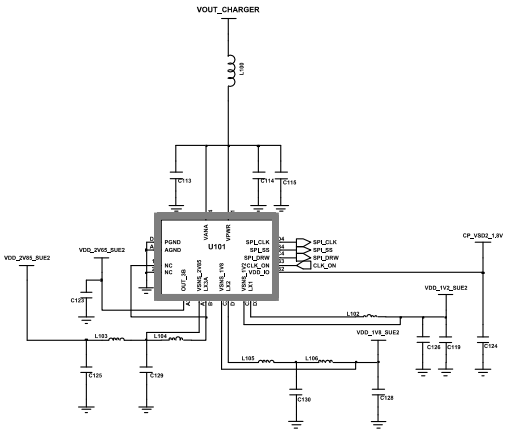
8-3-16. WCDMA Band1 RX

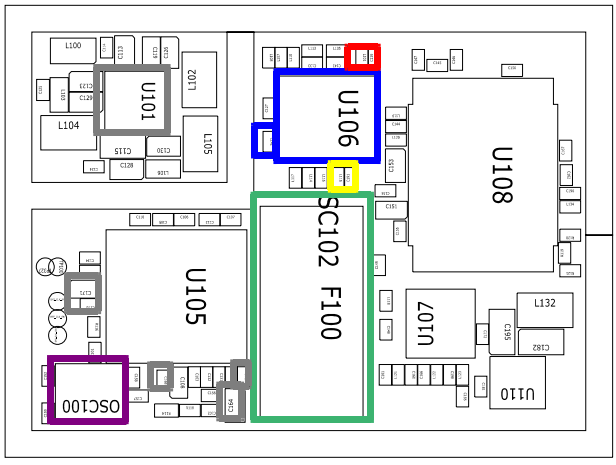


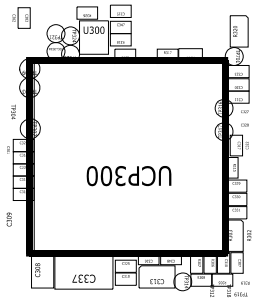




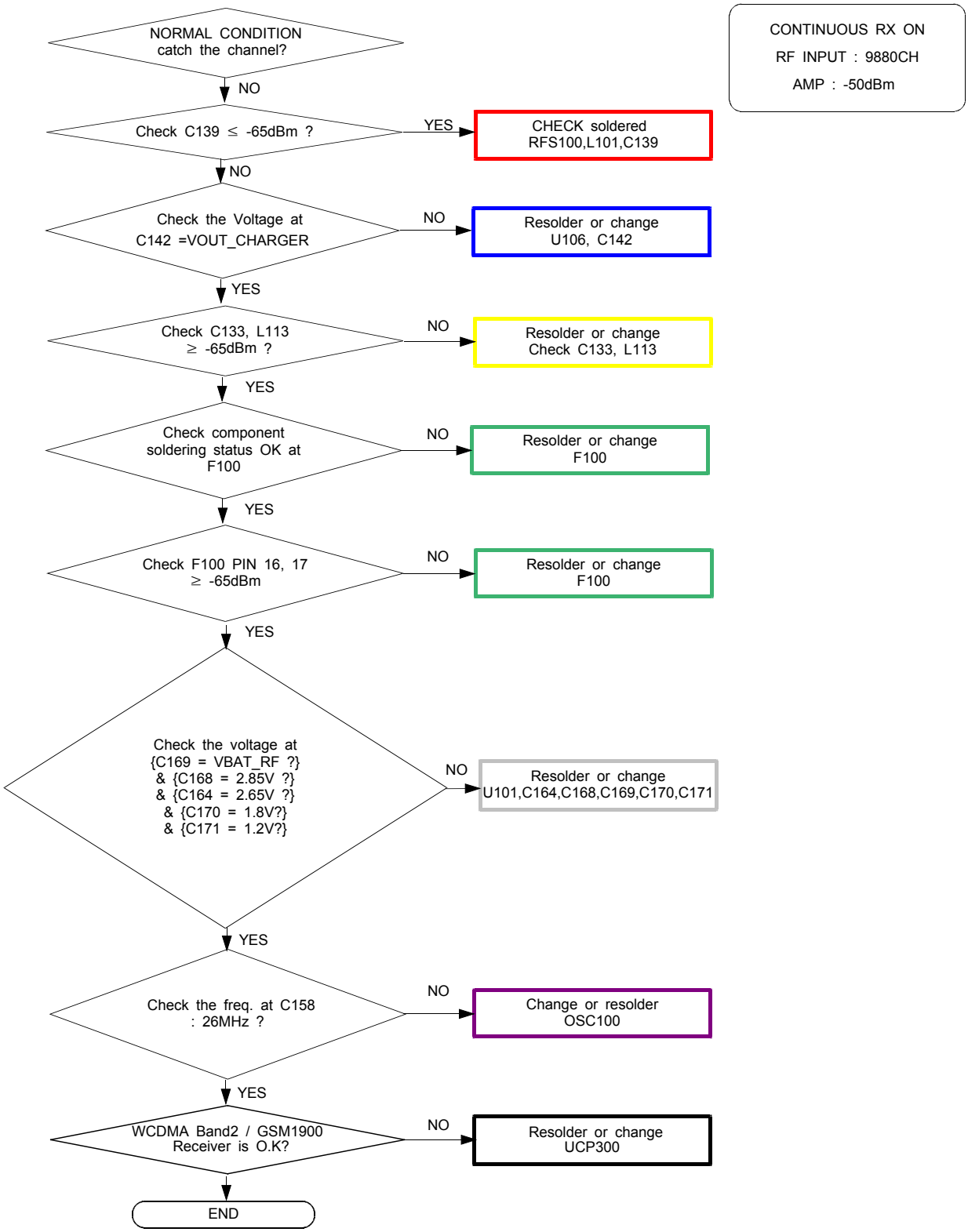


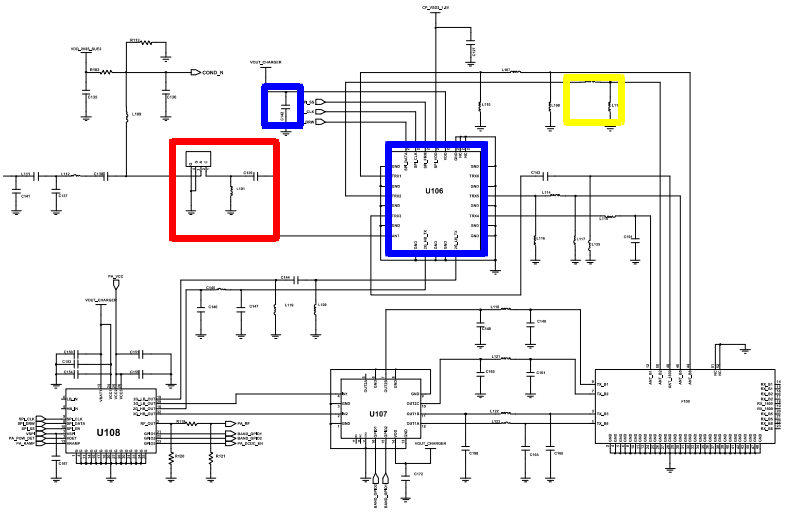


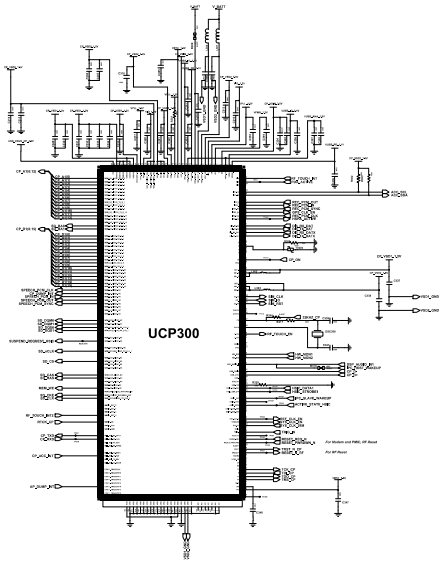


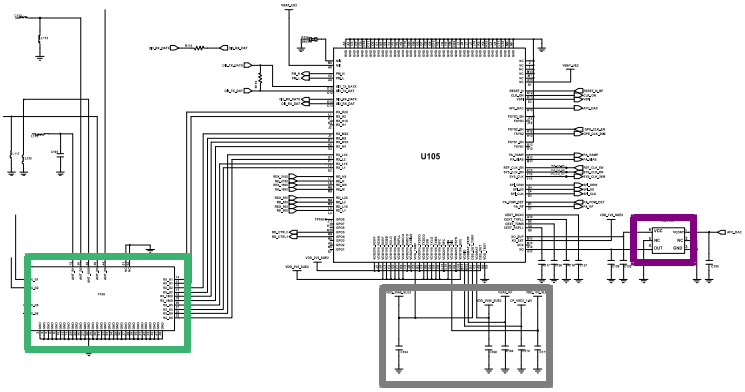


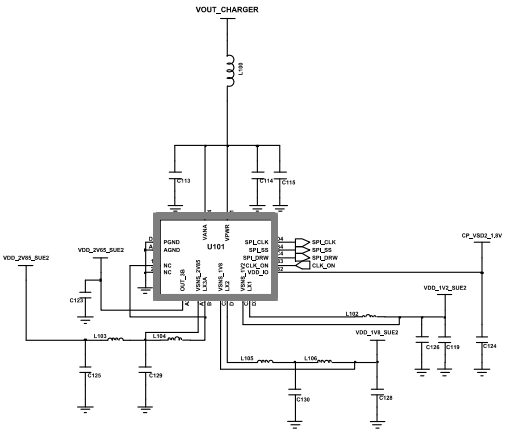
8-3-17. WCDMA Band2 / GSM1900 RX

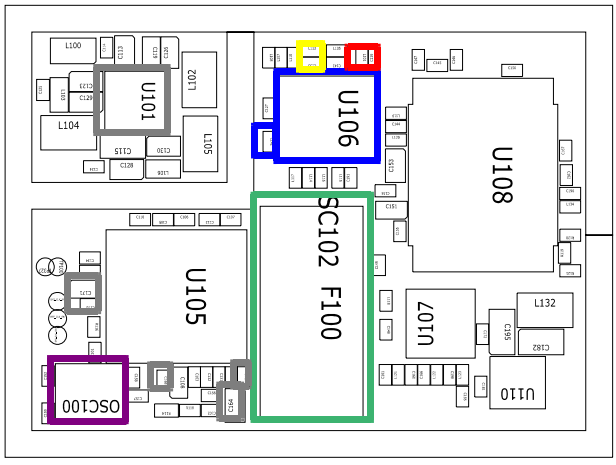


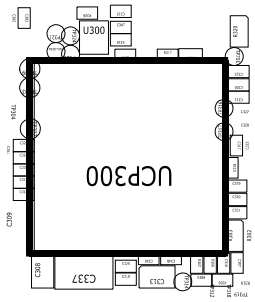






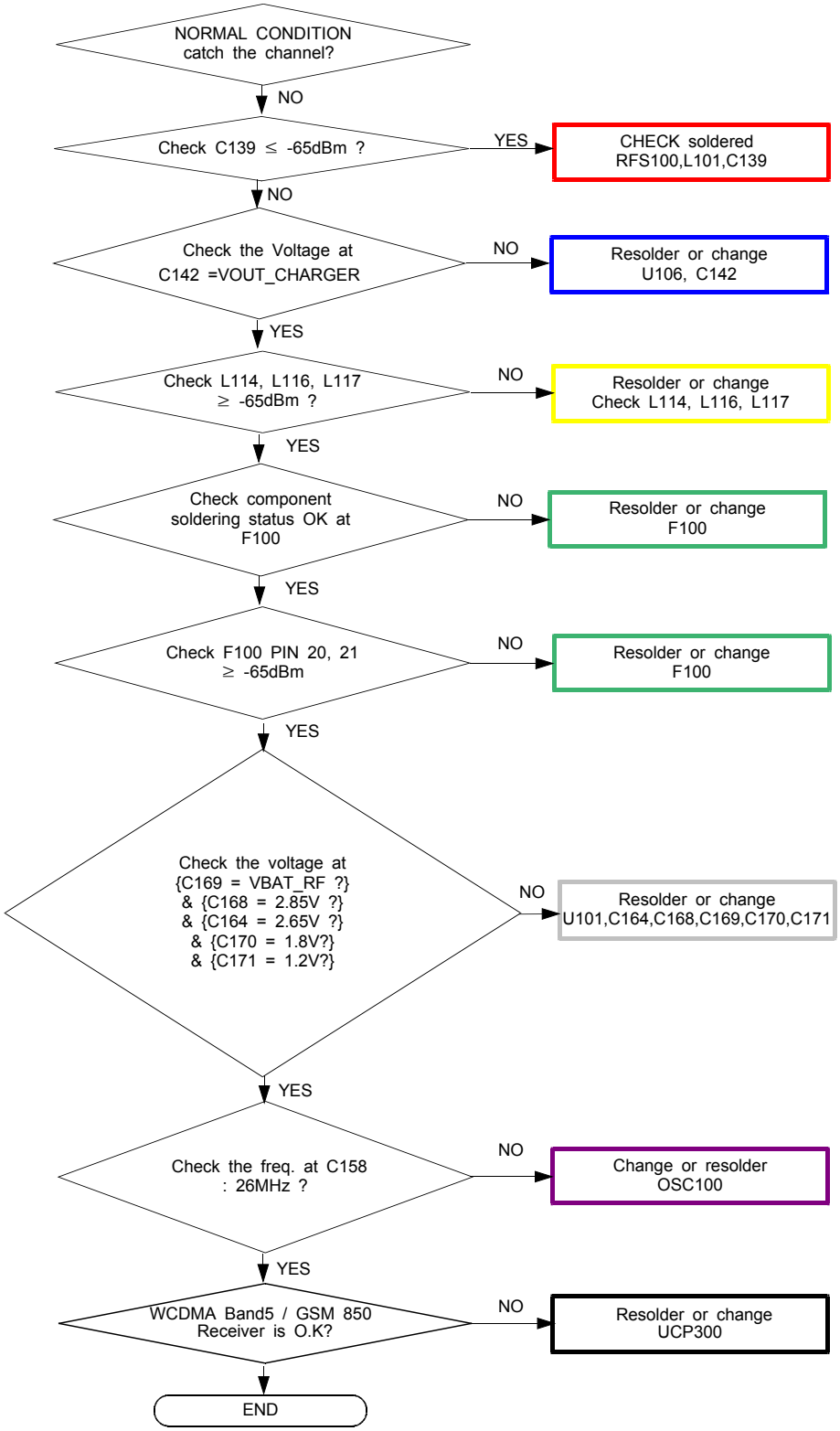


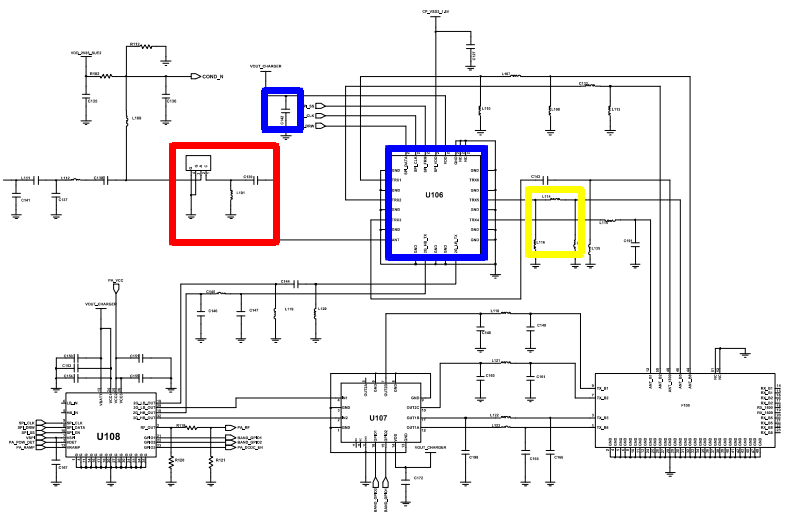


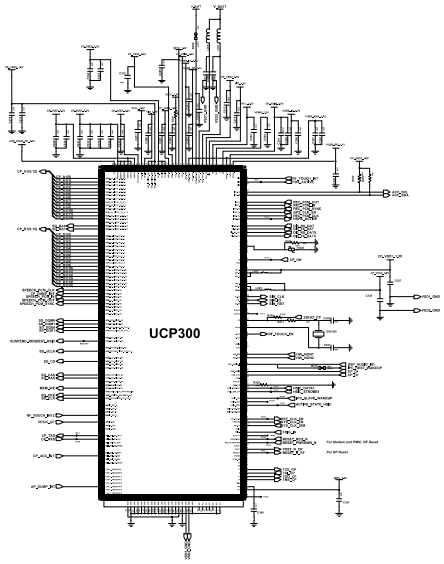


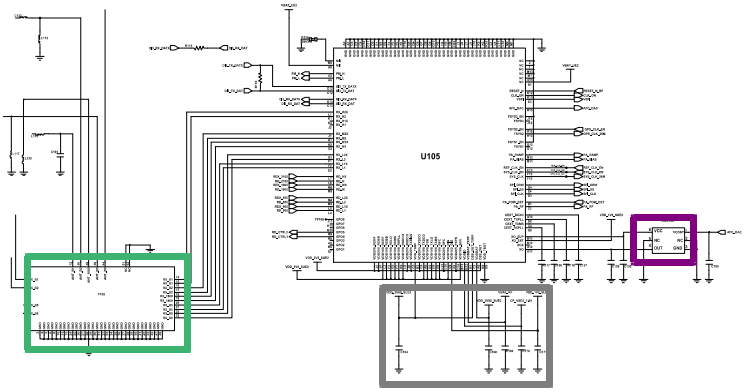
8-3-18. WCDMA Band5 / GSM 850 RX

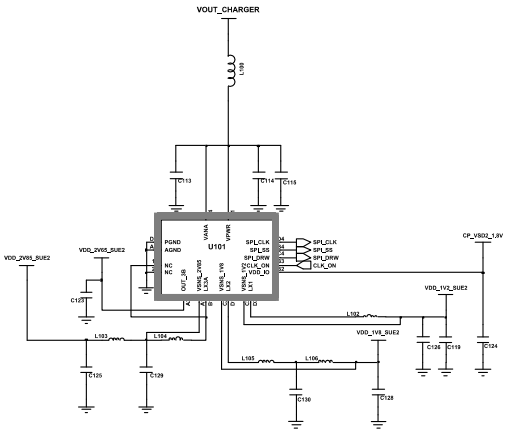
CONTINUOUS RX ON
RF INPUT : 4408CH
AMP : -50dBm

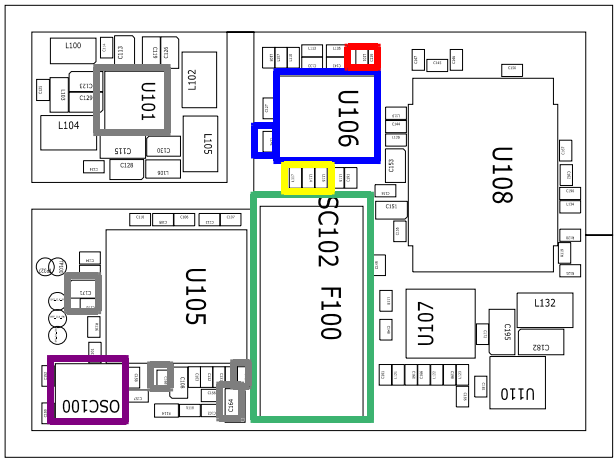


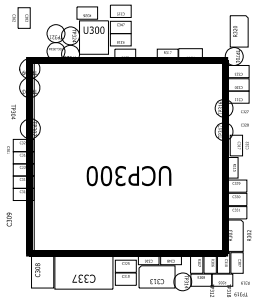




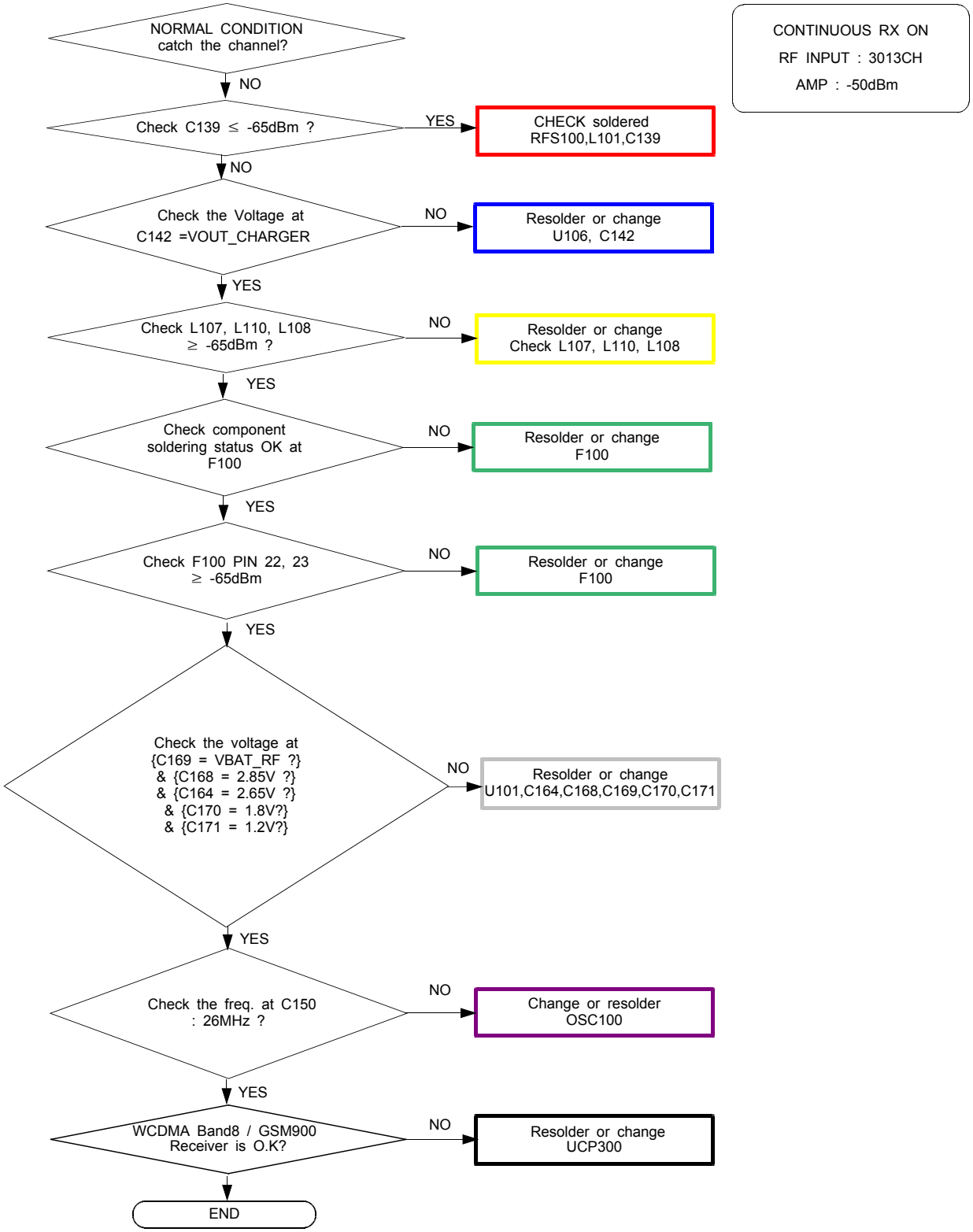


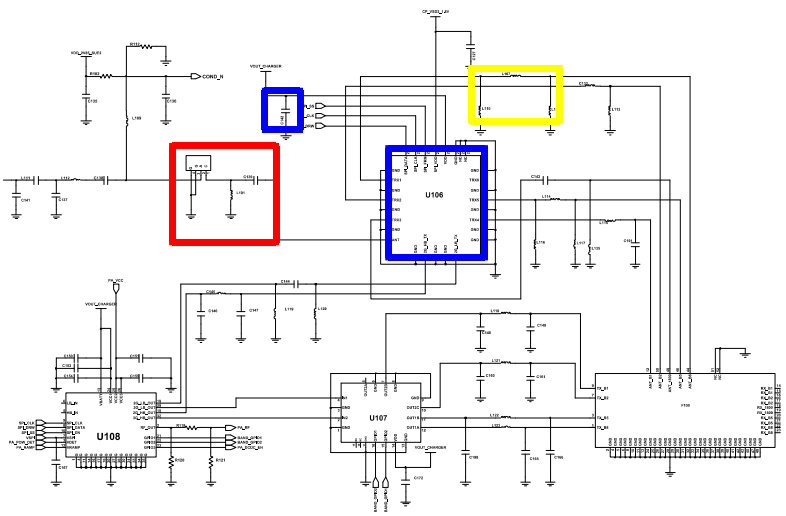


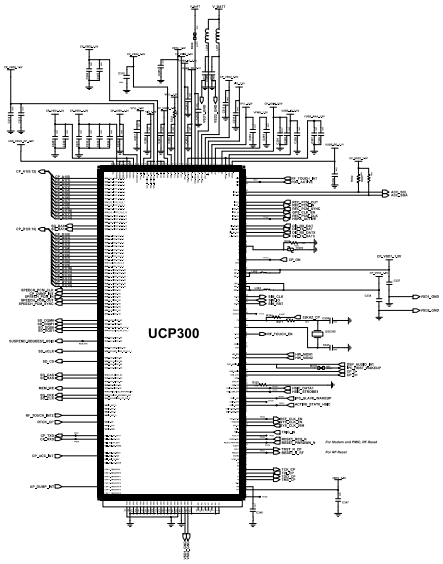


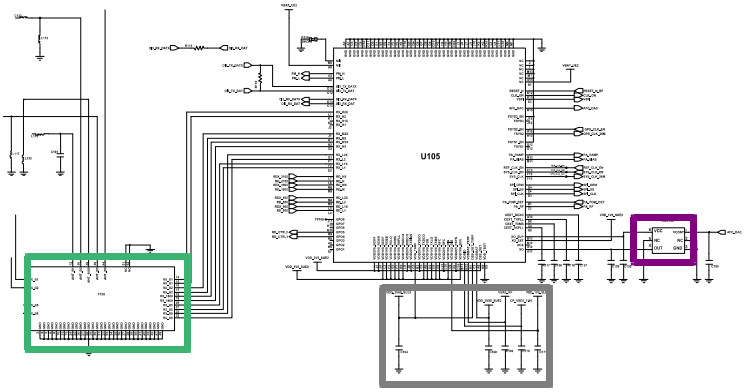


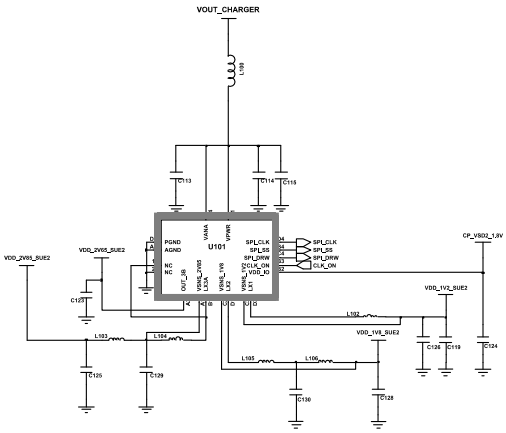
8-3-19. WCDMA Band8 / GSM900 RX

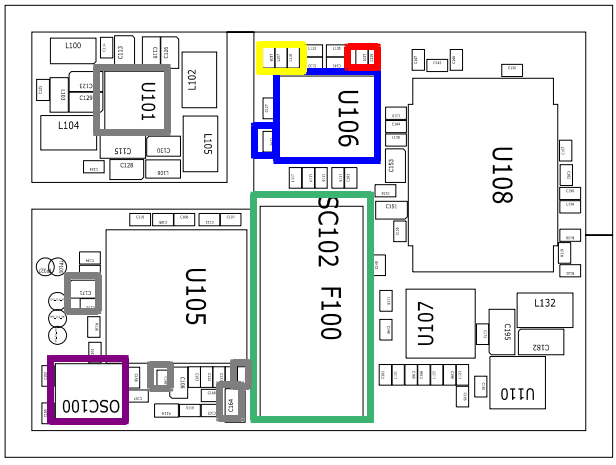


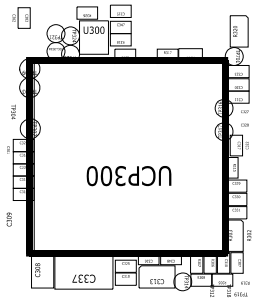






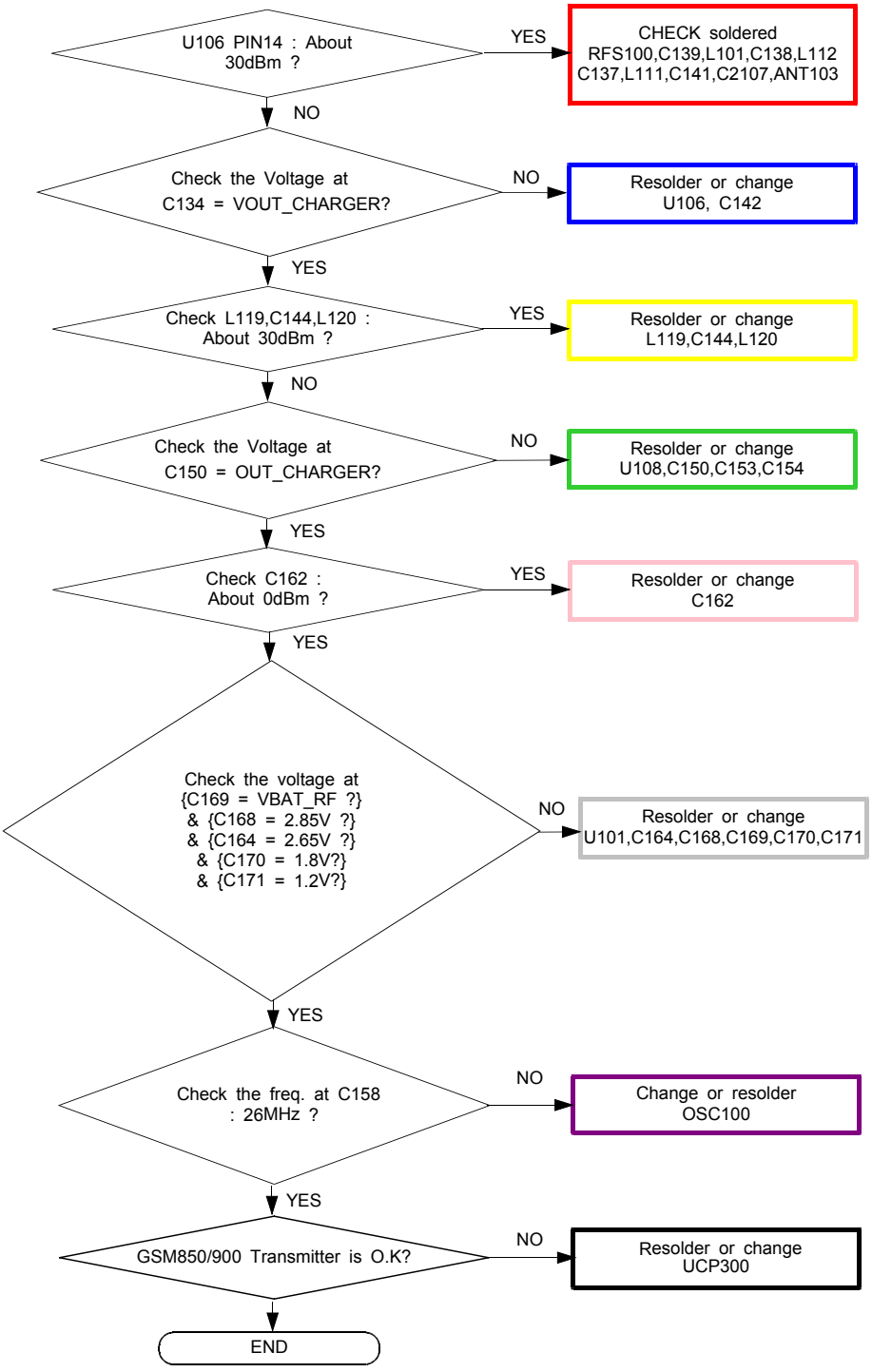


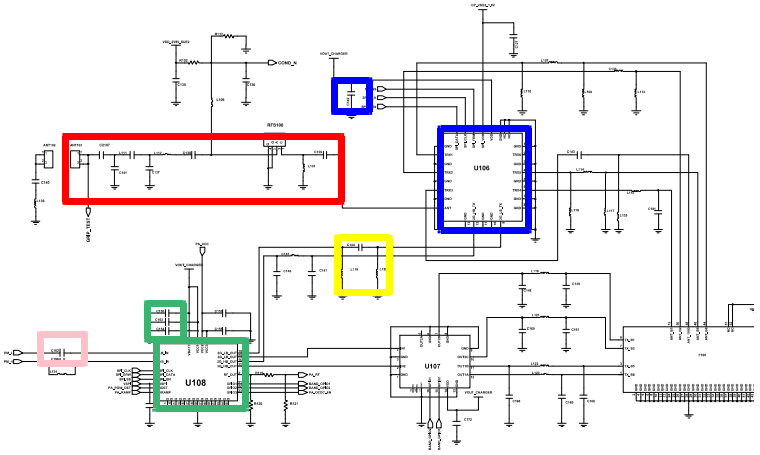


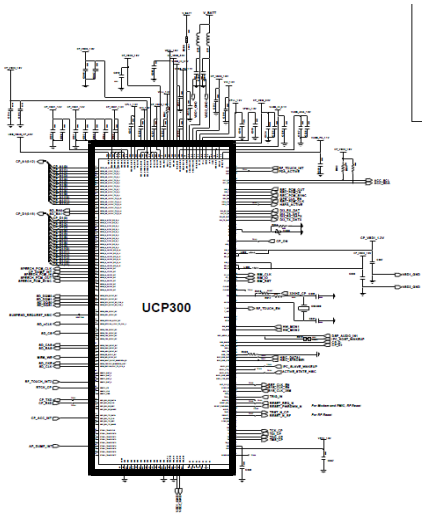


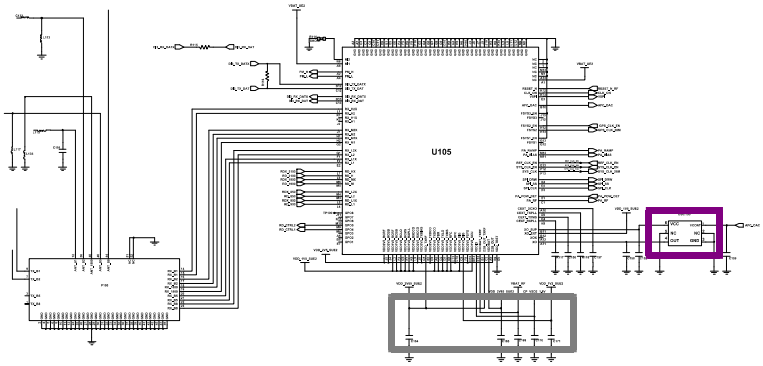
8-3-20. GSM850/GSM900 TX

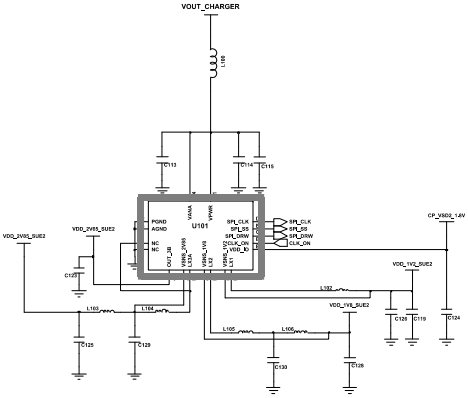
CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
GSM850 CH : 190
GSM900 CH : 62
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB

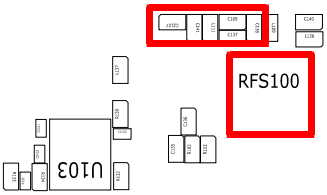


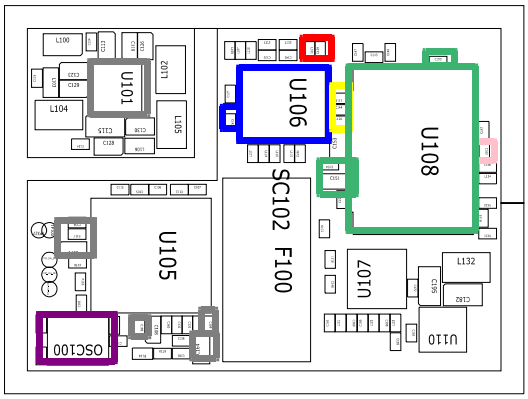


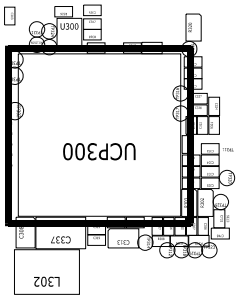






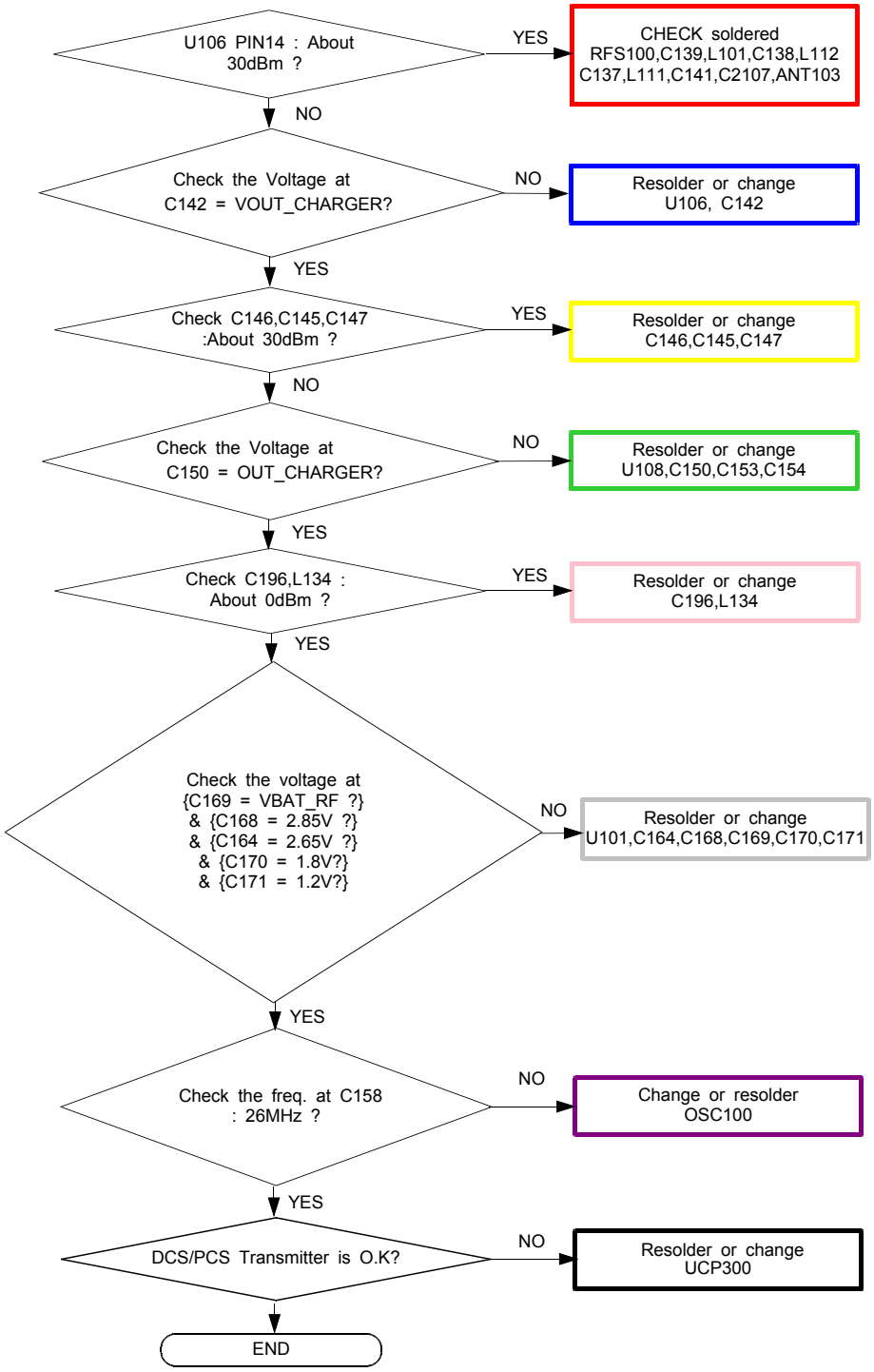


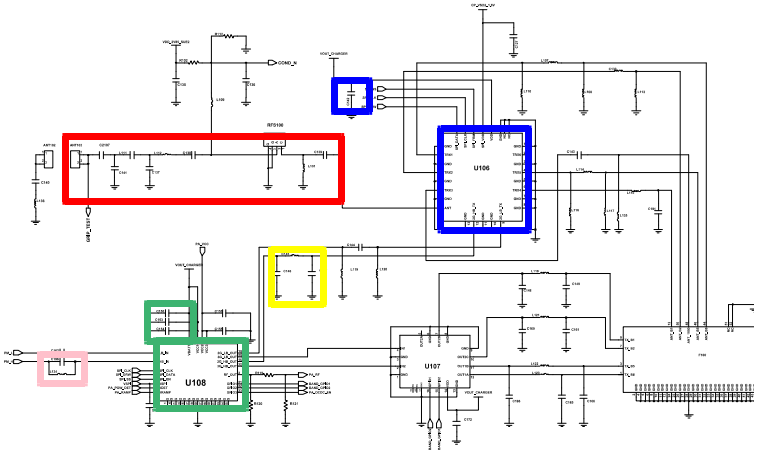


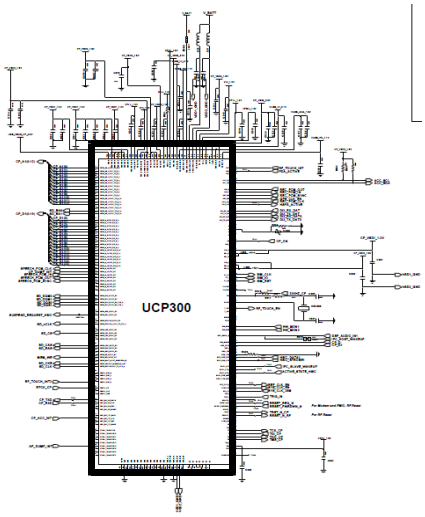


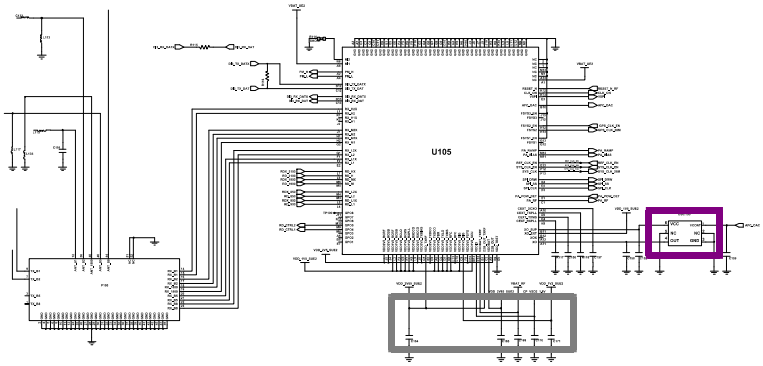
8-3-21. DCS/PCS TX

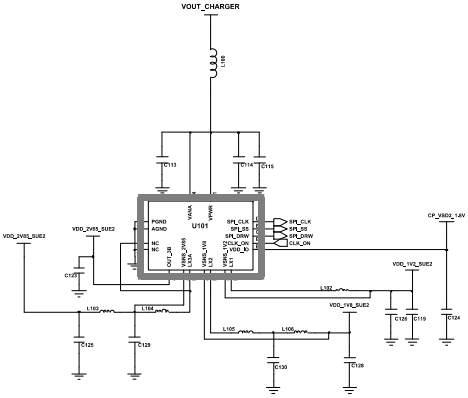
CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
DCS CH : 685
PCS CH : 661
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB

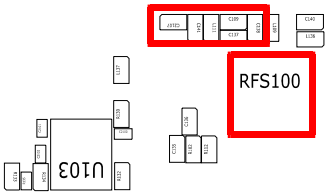


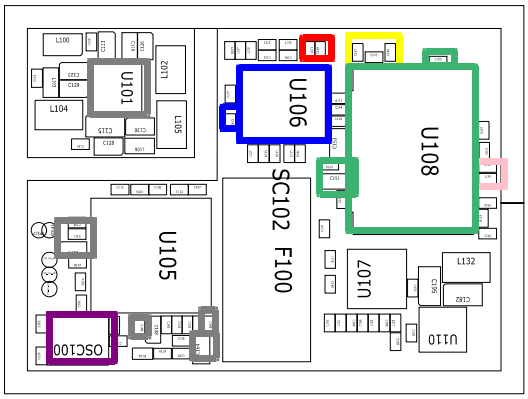


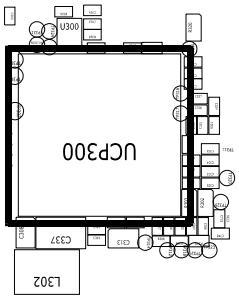






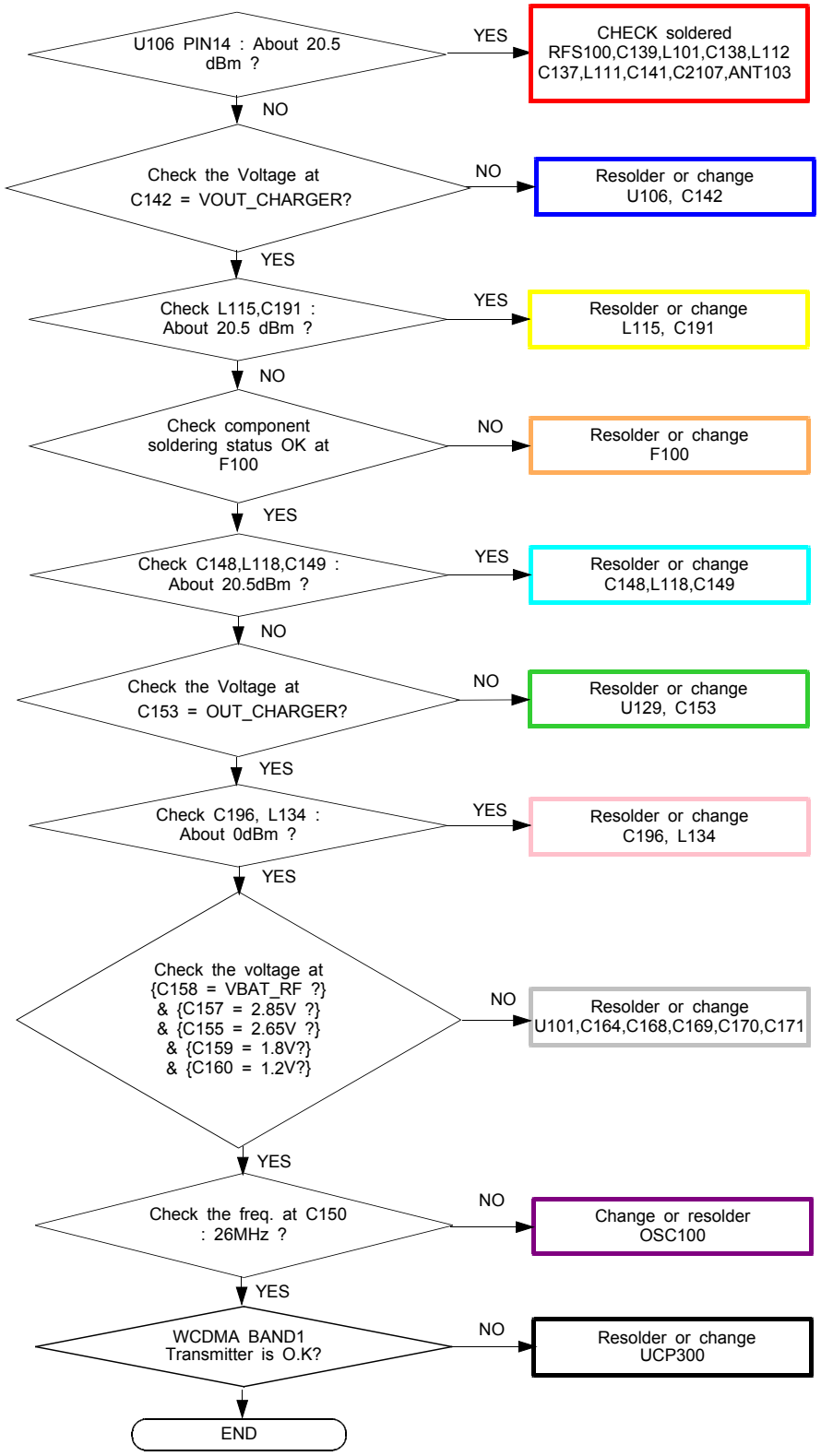


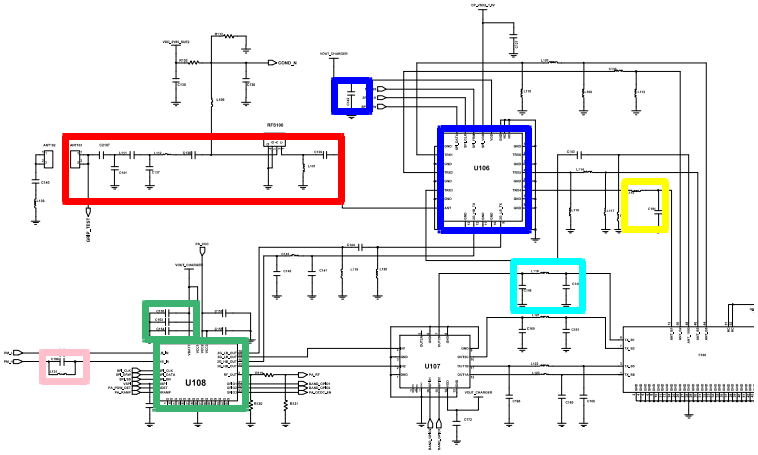


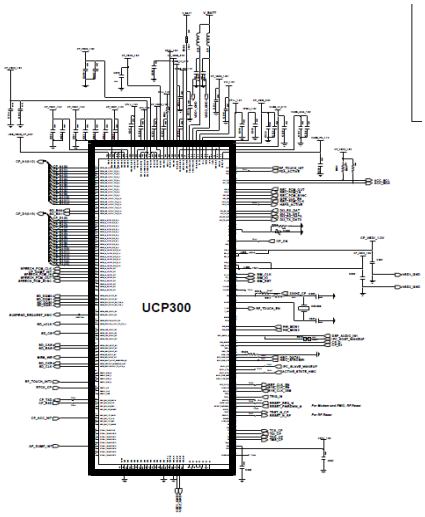


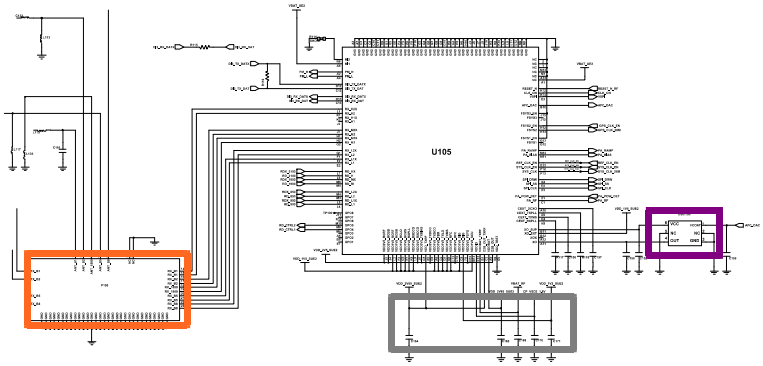
8-3-22. WCDMA BAND1 TX

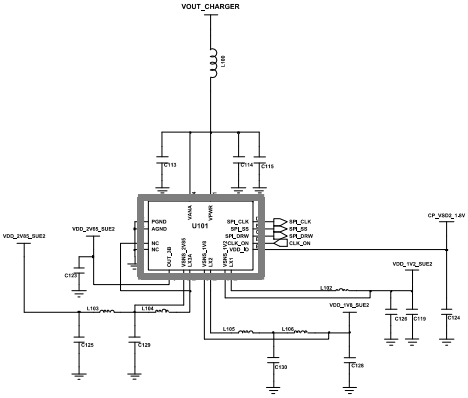
CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band1 CH : 10700
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB

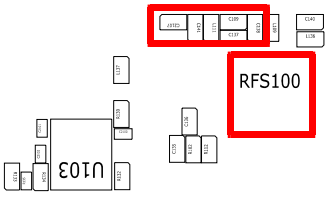


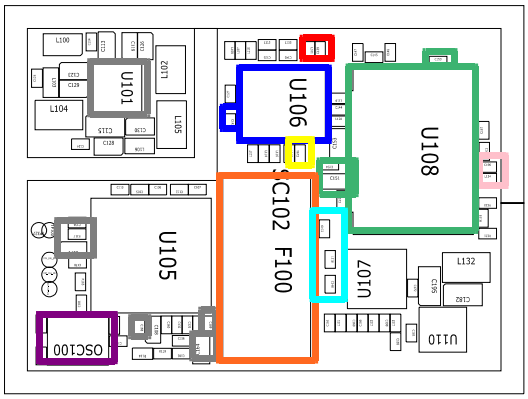


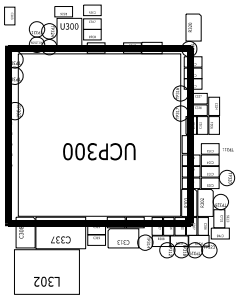






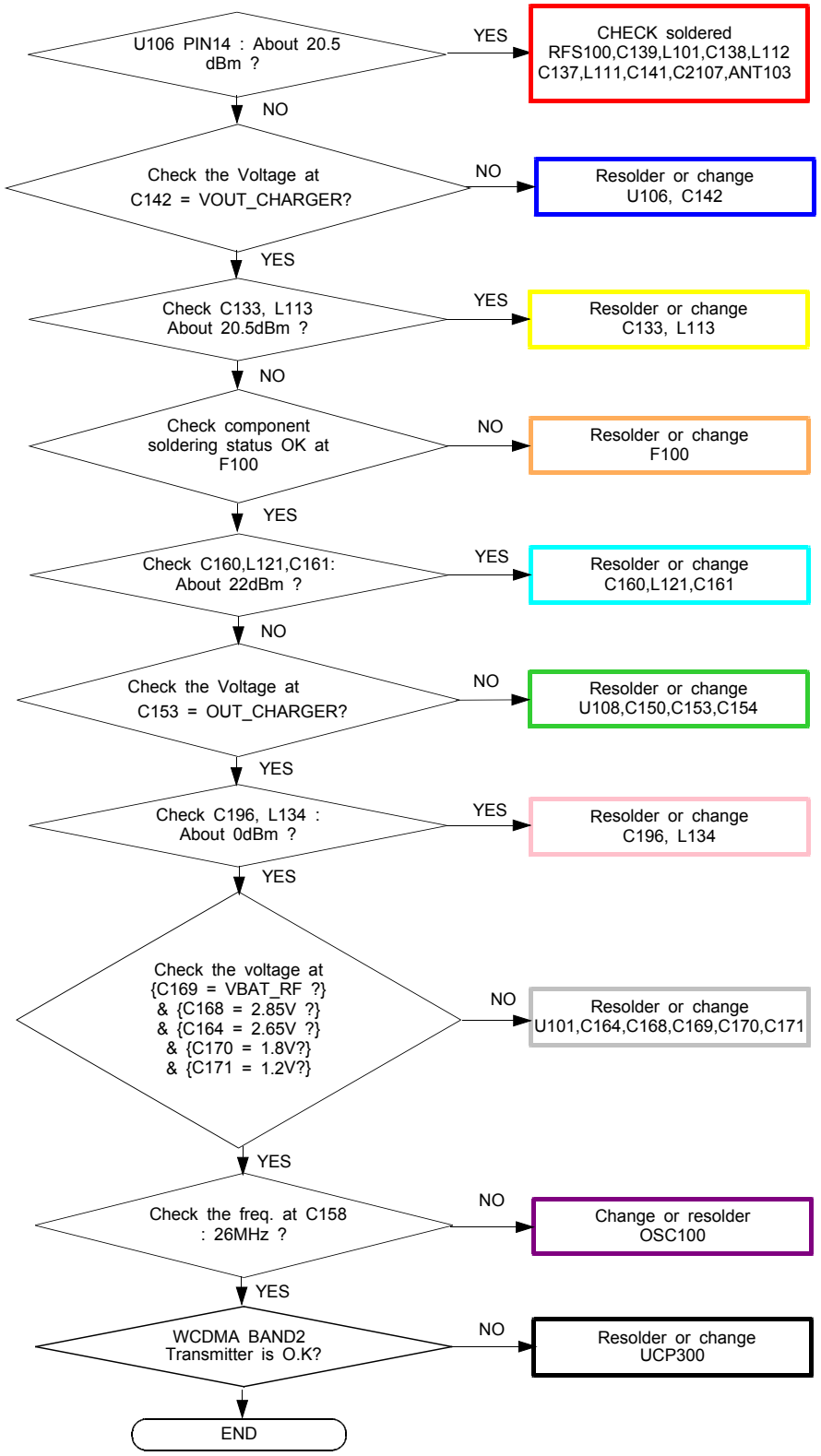






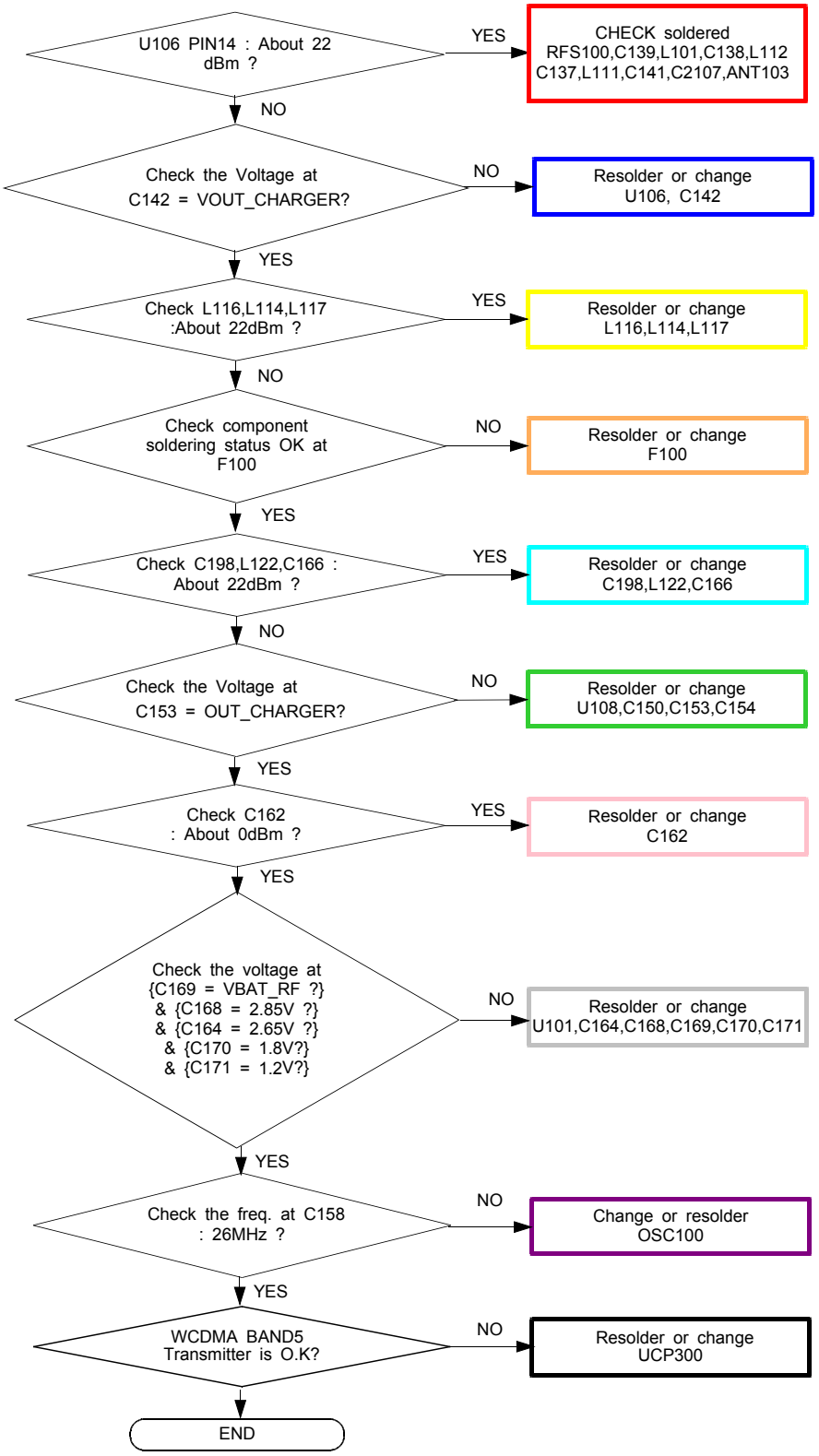
8-3-23. WCDMA BAND2 TX

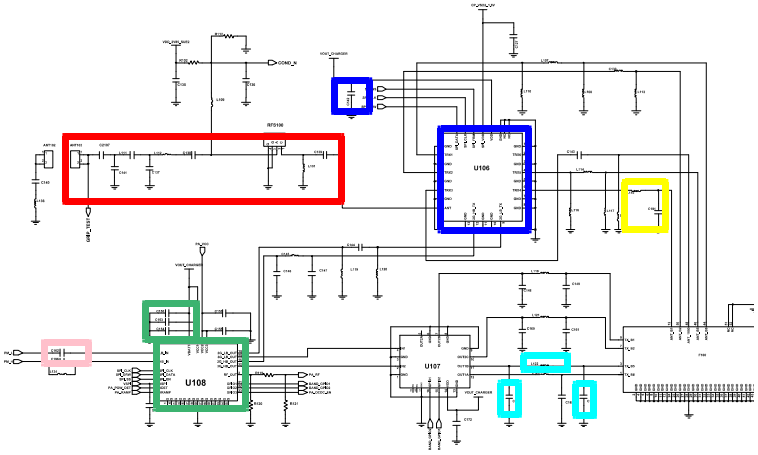
CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band2 CH : 9880
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB

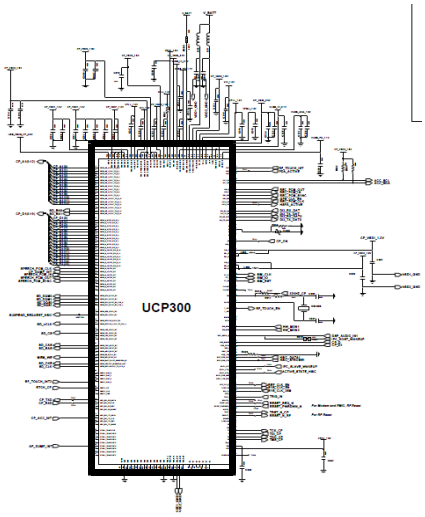


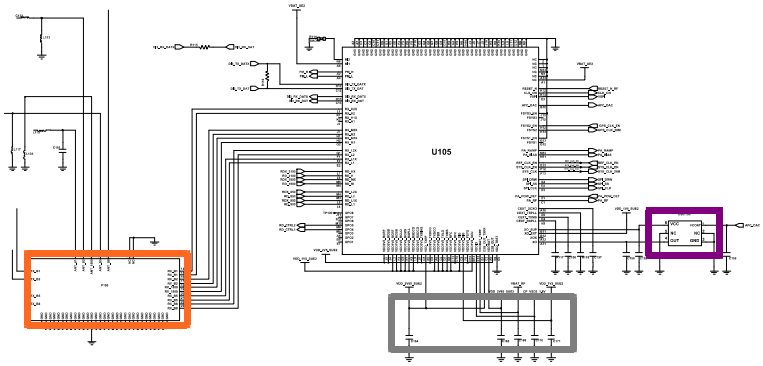
8-3-24. WCDMA BAND5 TX

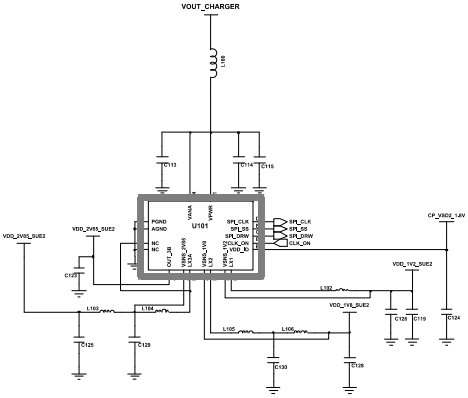
CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band5 CH : 4408
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB

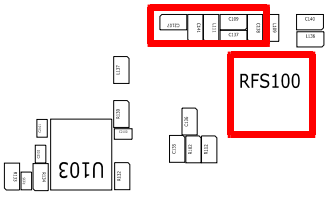


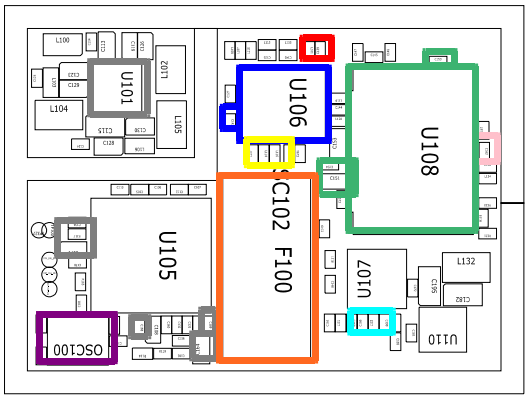


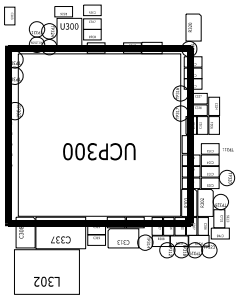












8-3-25. WCDMA BAND8 TX

CONTINOUS TX ON CONDITION
TX POWER DAC:14500 CODE APPLIED
WCDMA Band8 CH : 3013
RBW : 100KHz
VBW : 100KHz
SPAN : 10MHz
REF LEV. : 10dBm
ATT. : 20dB