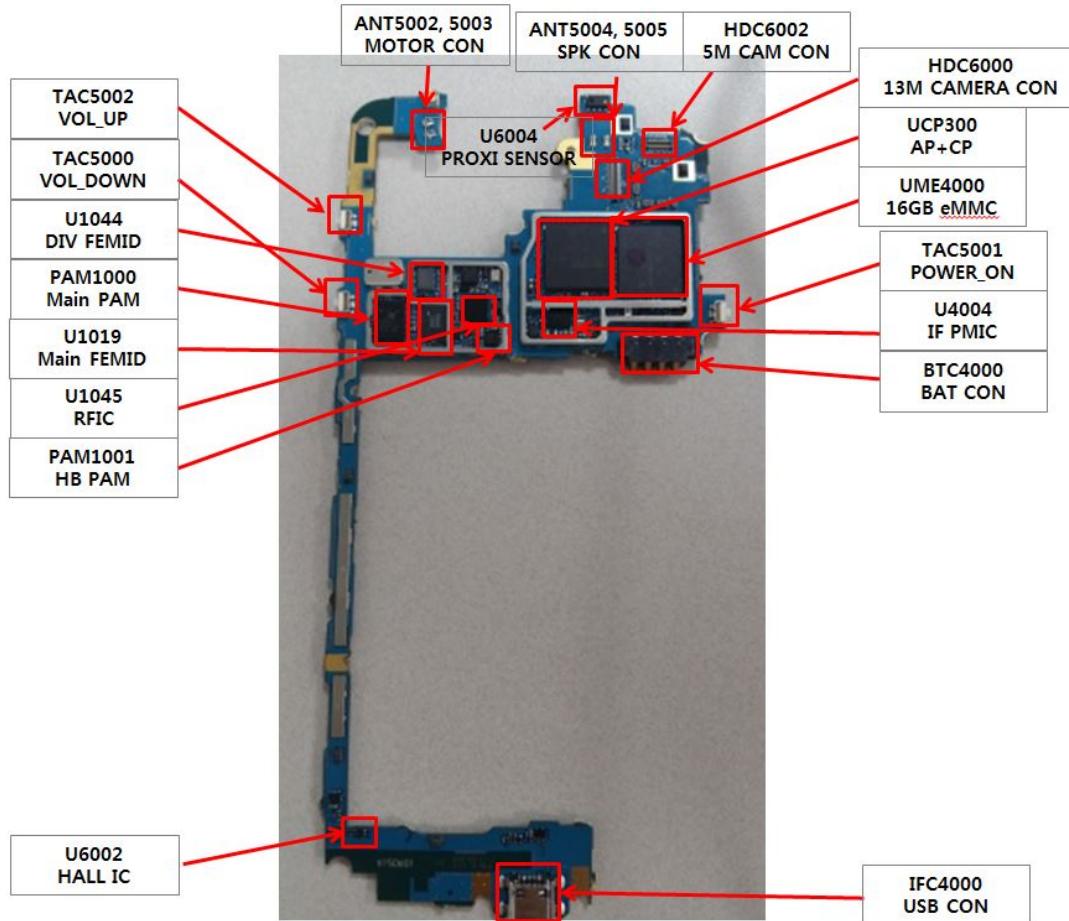
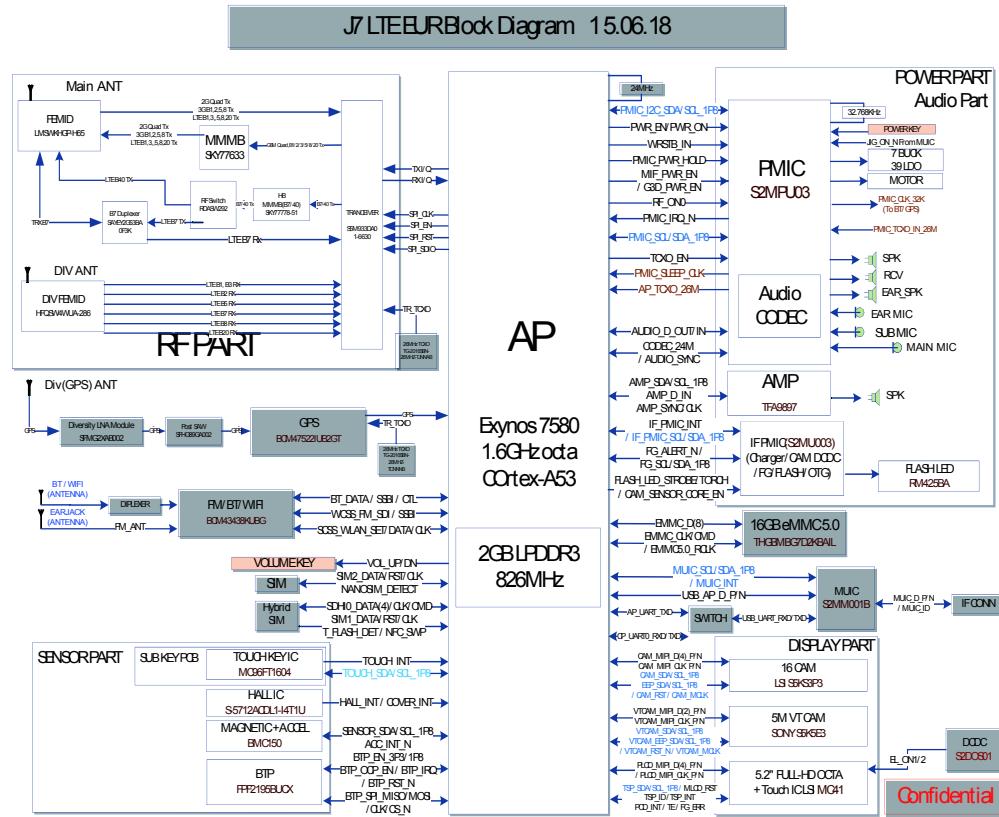


8. Level 3 Repair

8-1. Components Layout

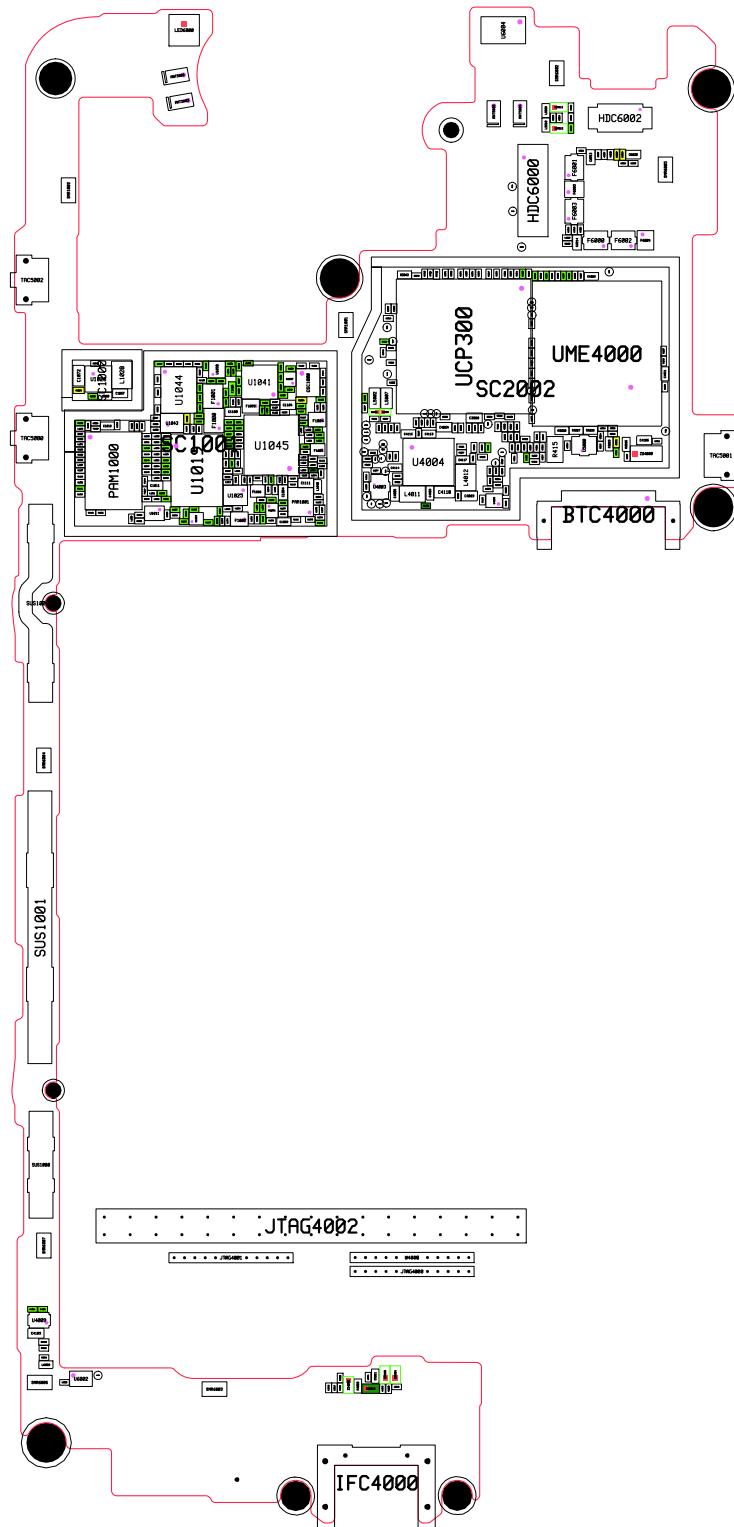


8-2. Block Diagram

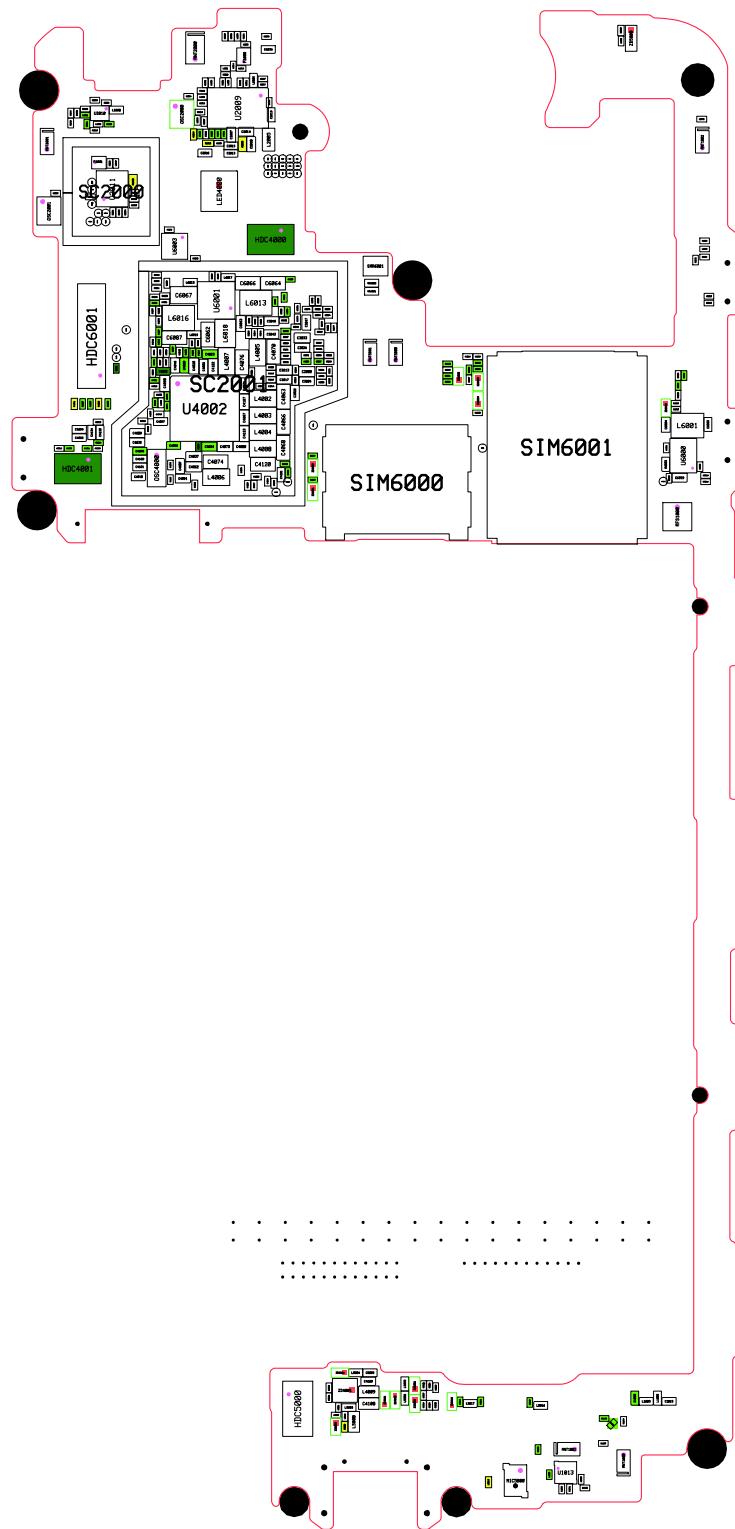


8-3. PCB Diagrams

8-3-1. Top

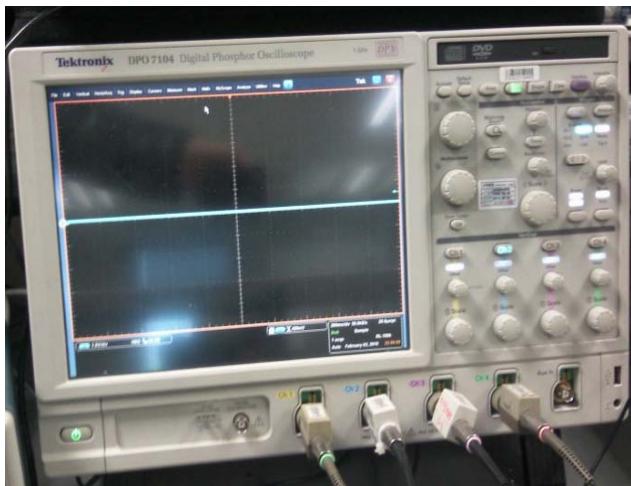


8-3-2. Bottom



8-4. Flow Chart of Troubleshooting

Equipments



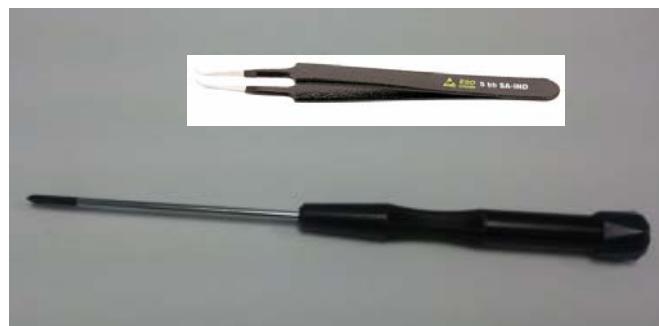
↑ Oscilloscope



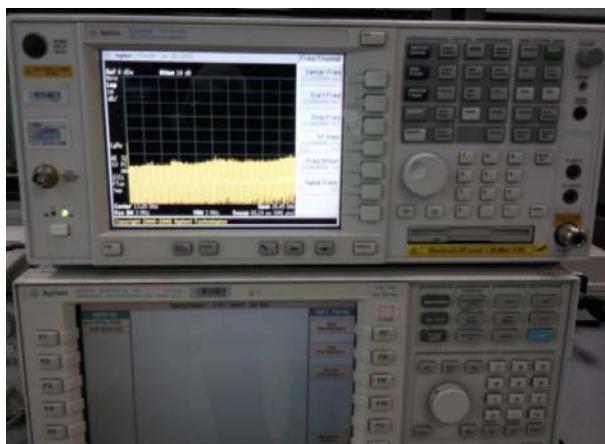
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

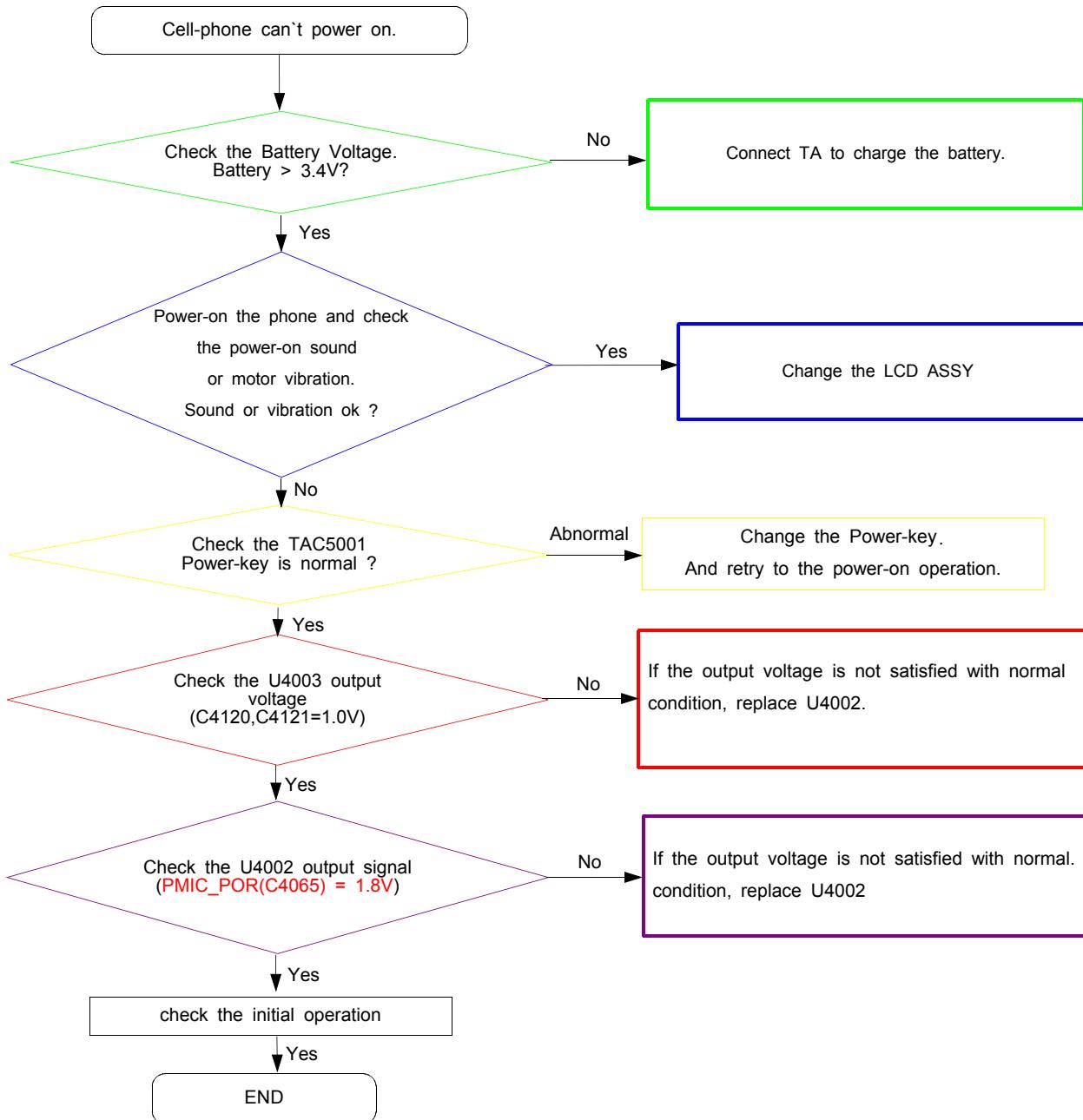


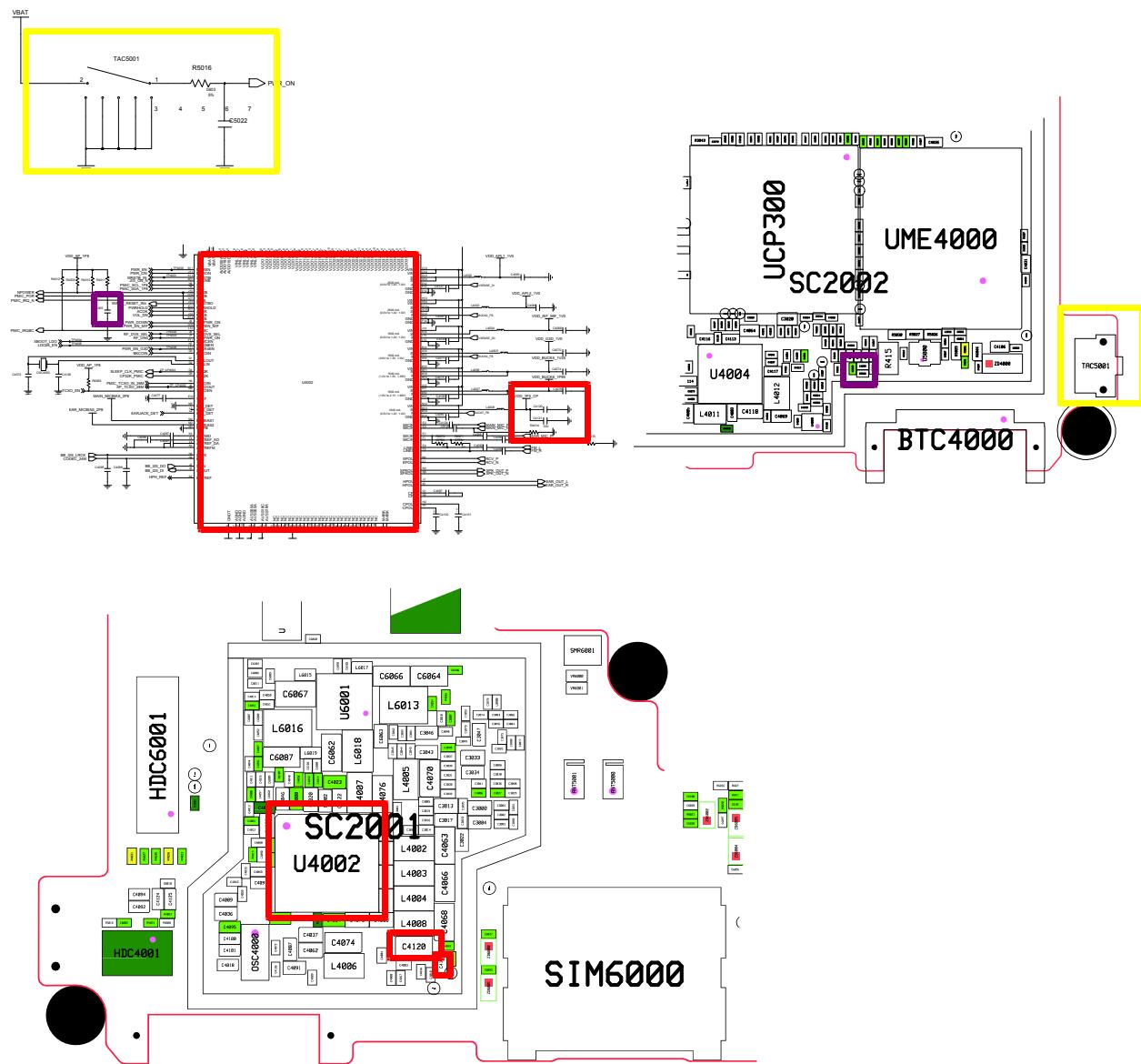
↑ 8960 & Spectrum Analyzer



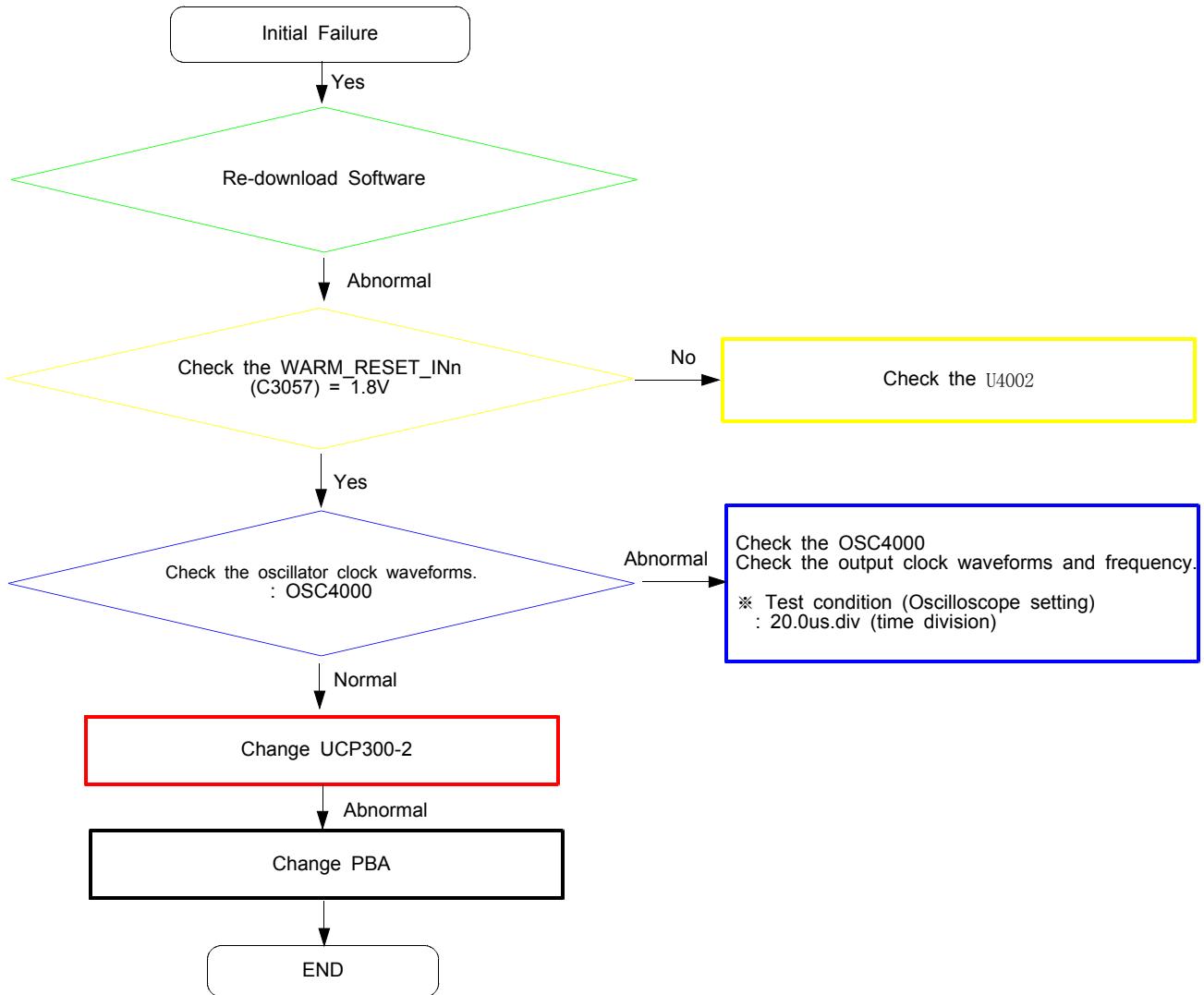
↑ Soldering iron

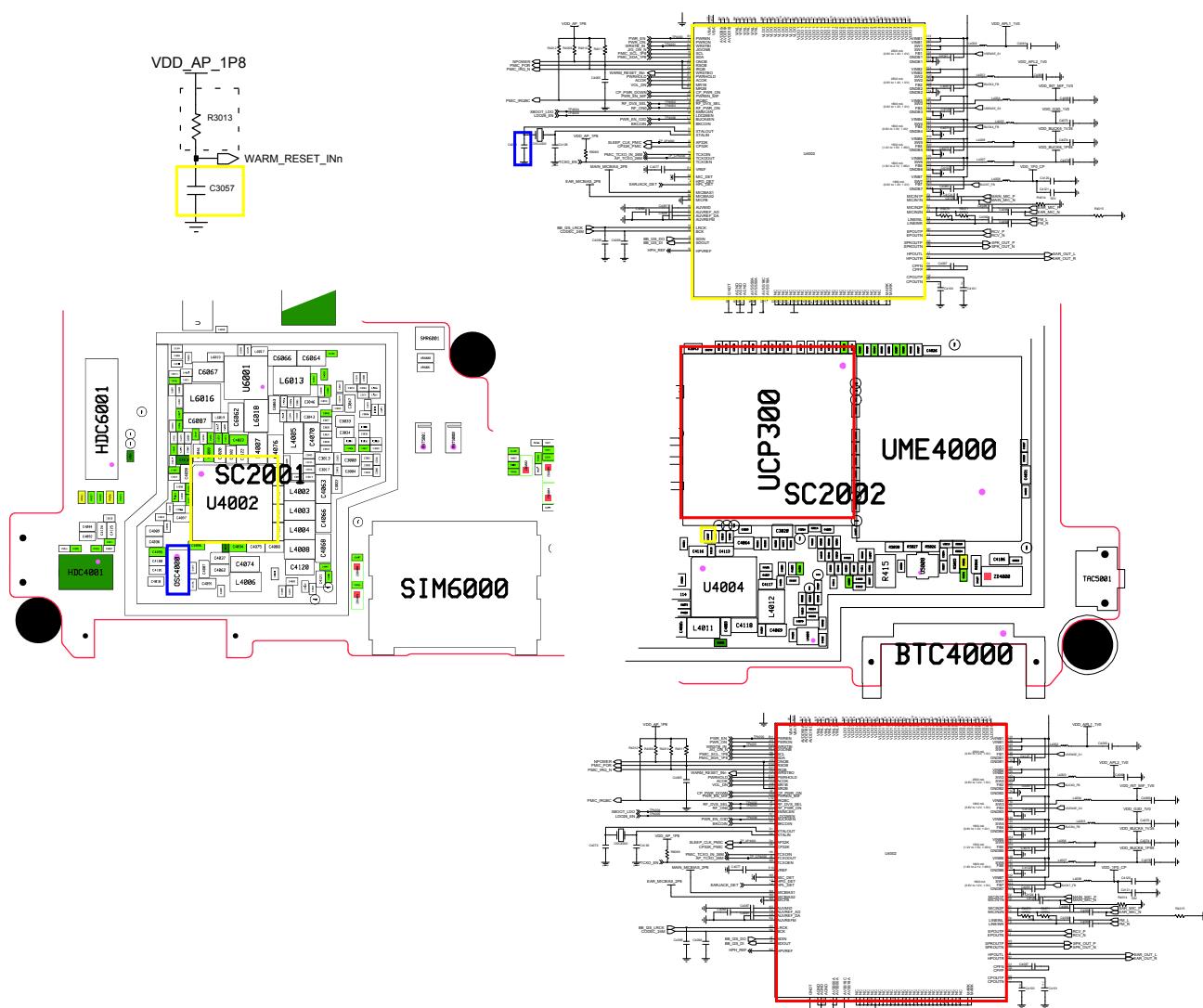
8-4-1. Power On



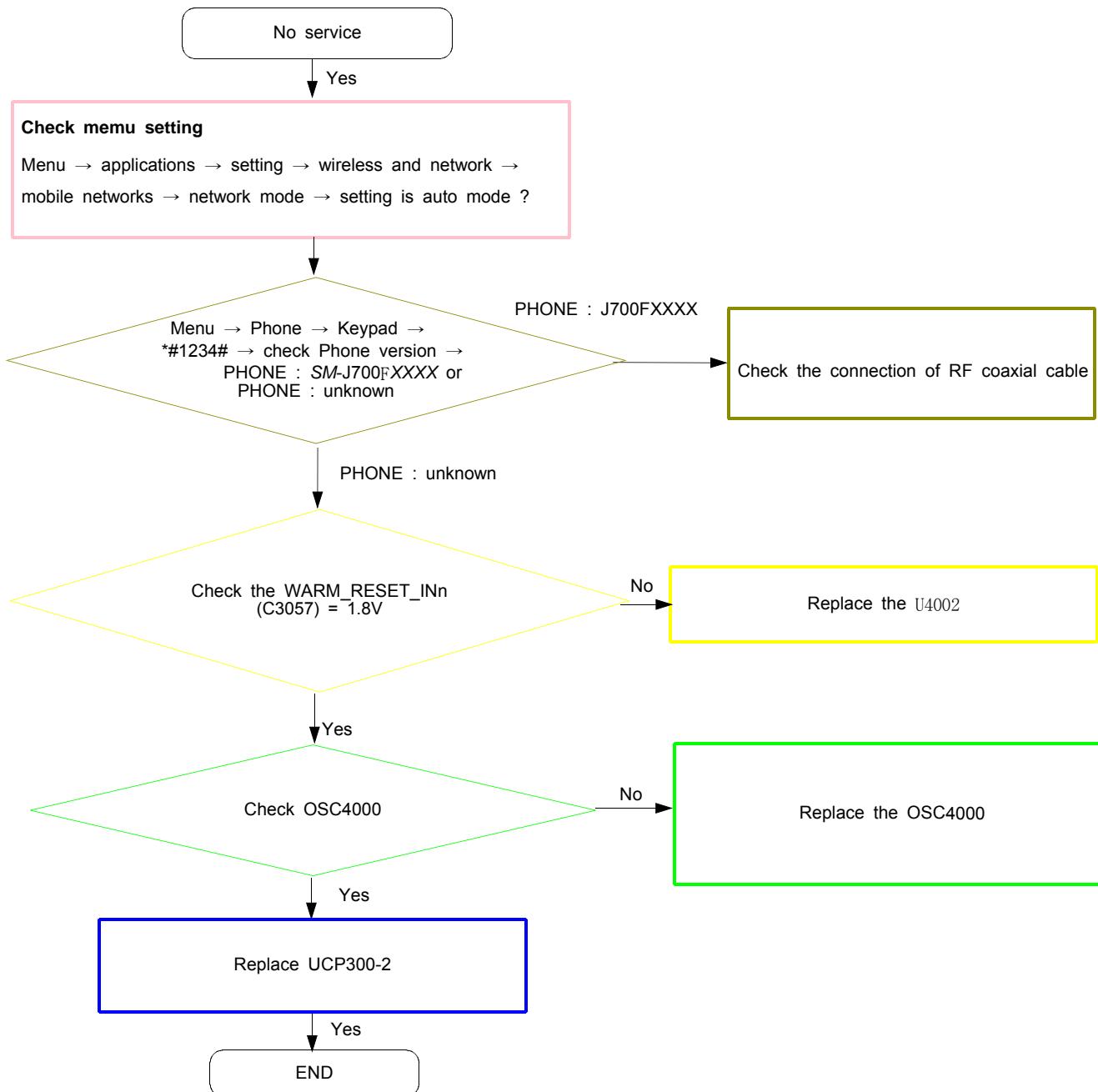


8-4-2. Initial



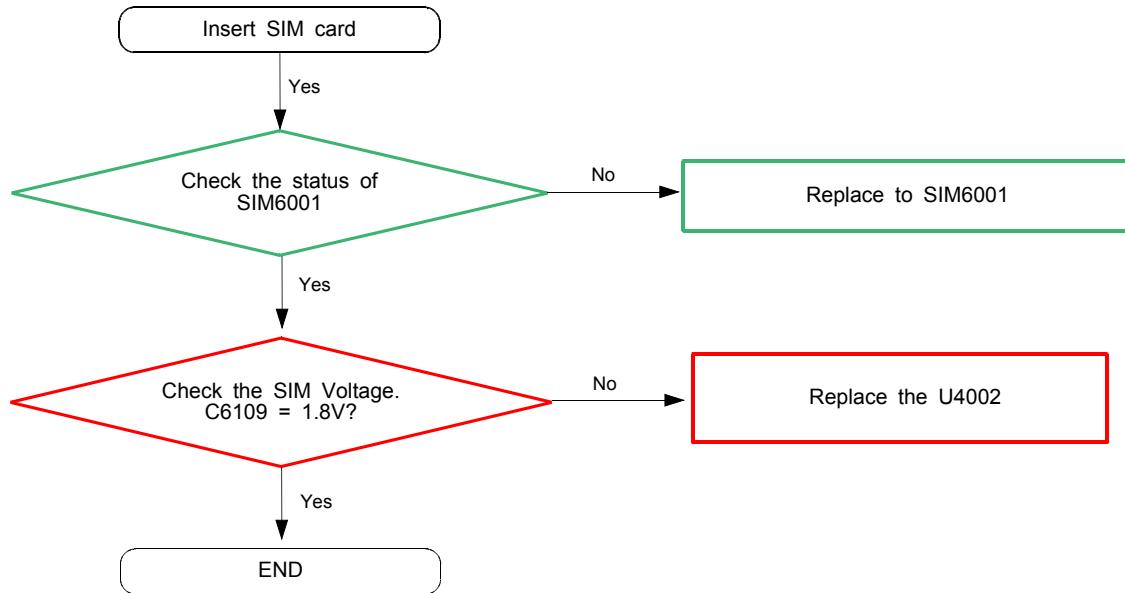


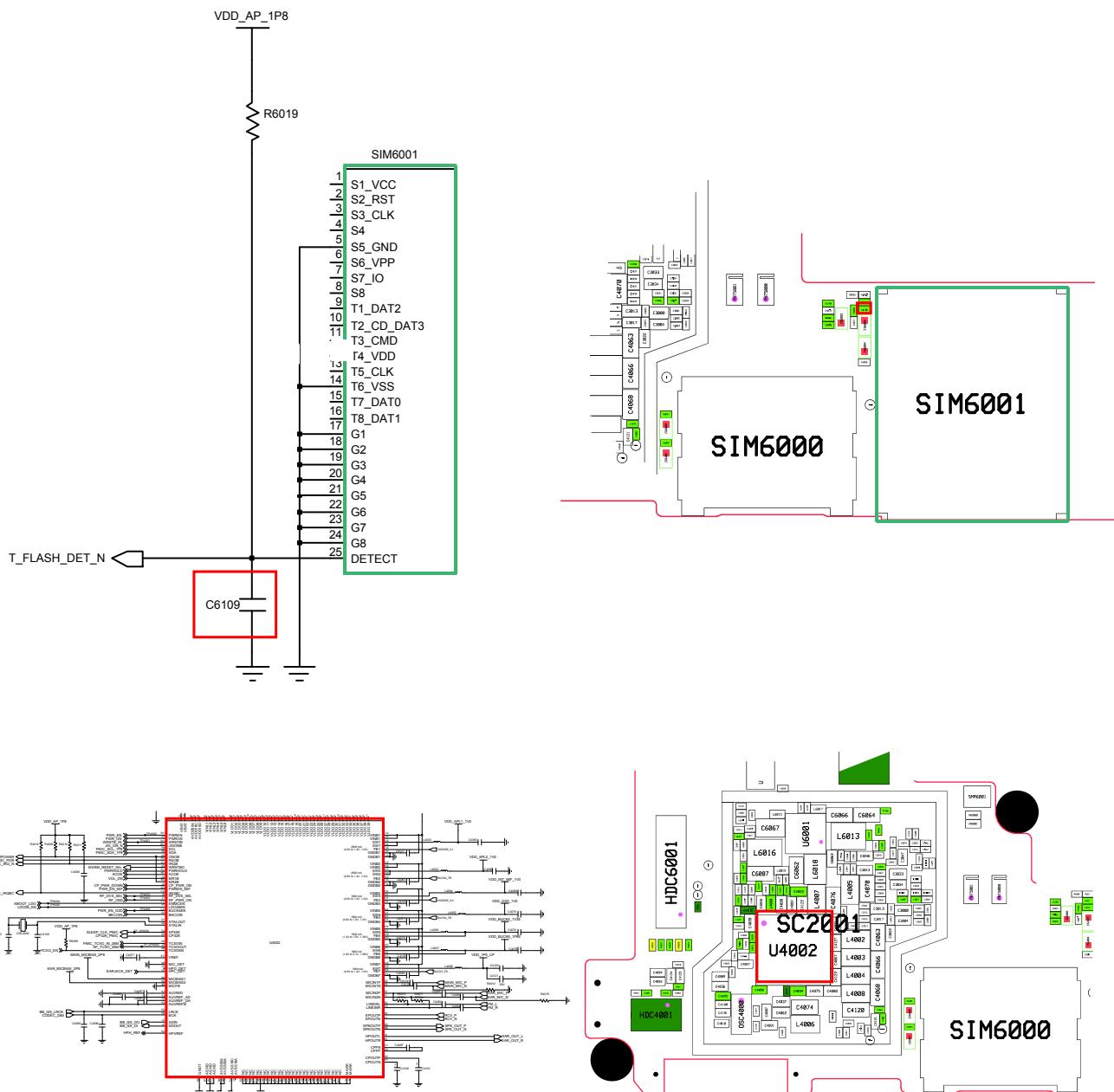
8-4-3. No Service



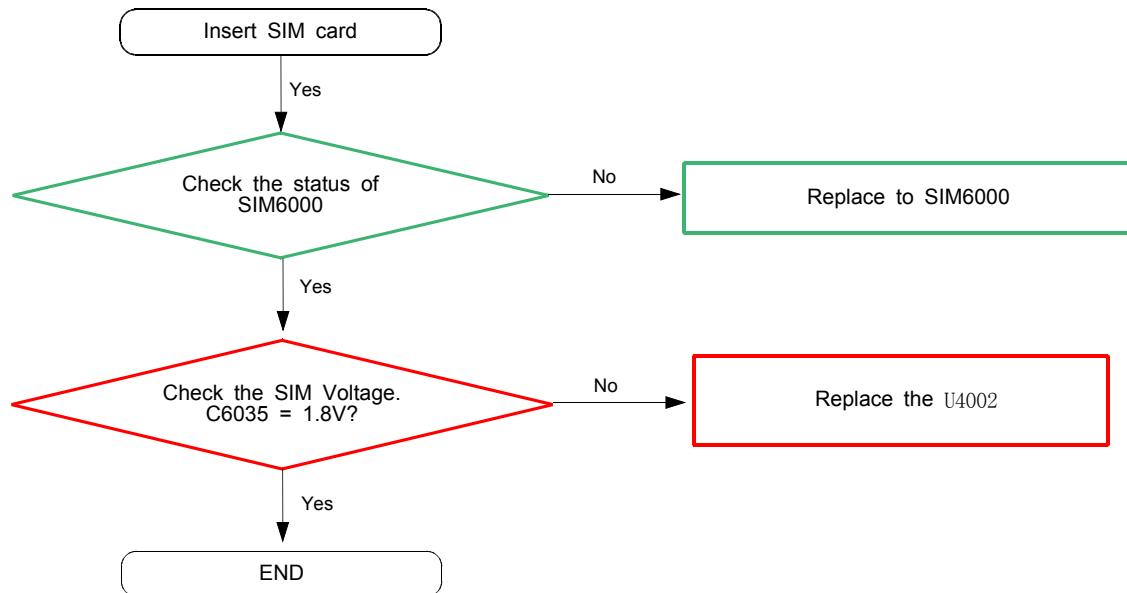
* Schematic : Refer to the 8-4-2 (Initial)

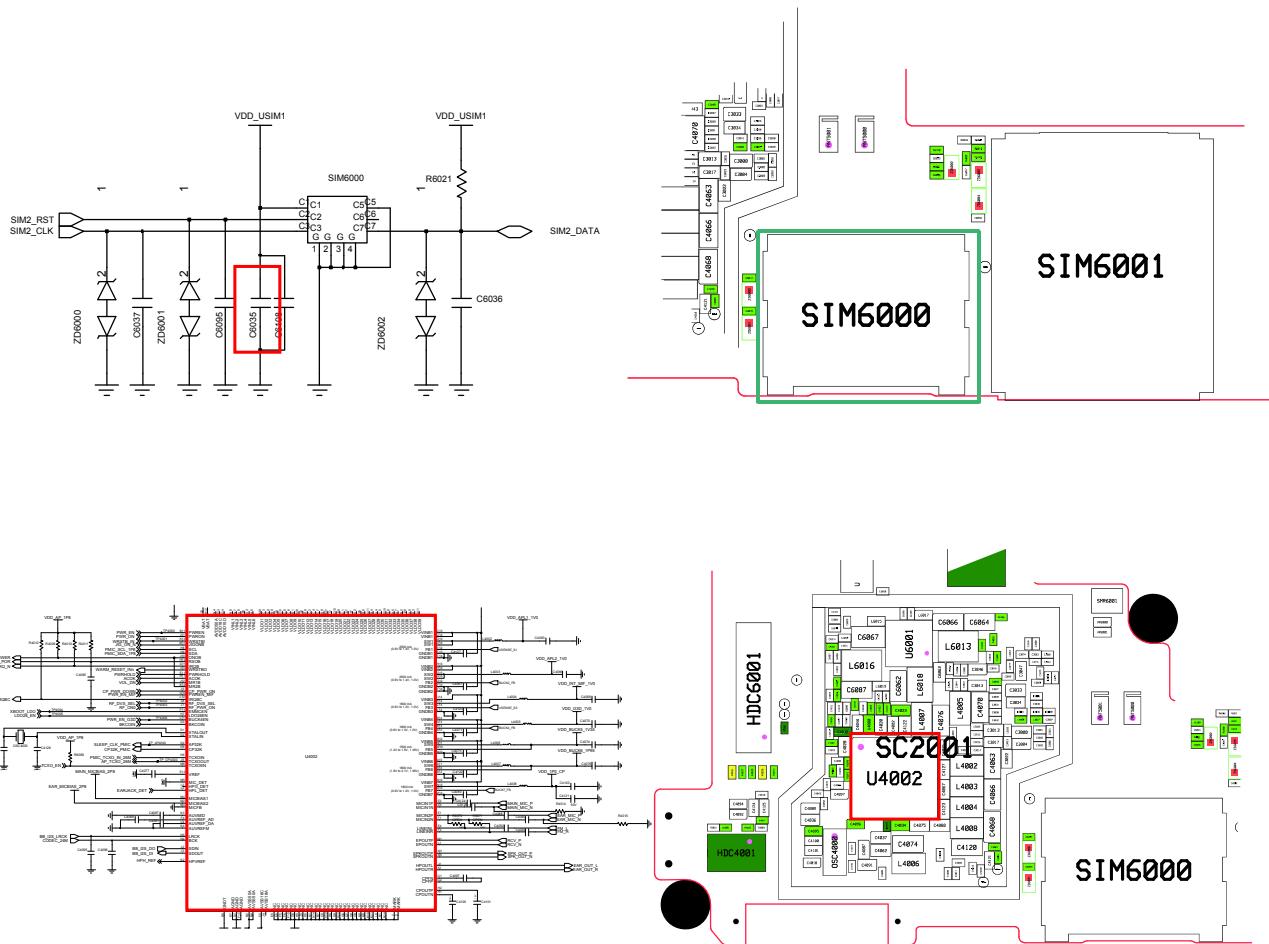
8-4-4. Sim Part - Sim Card 1



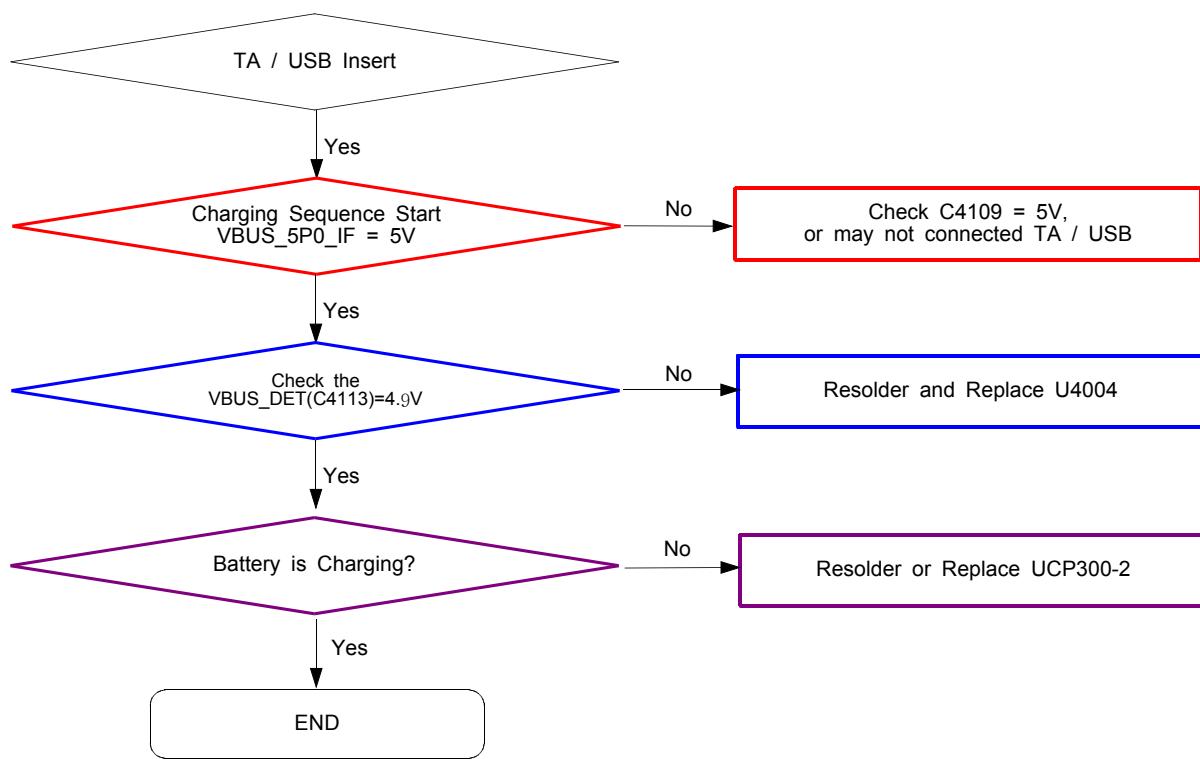


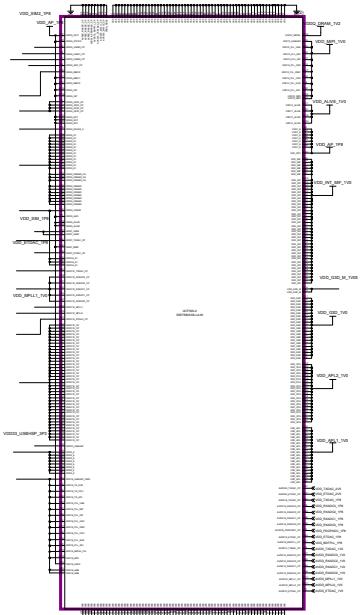
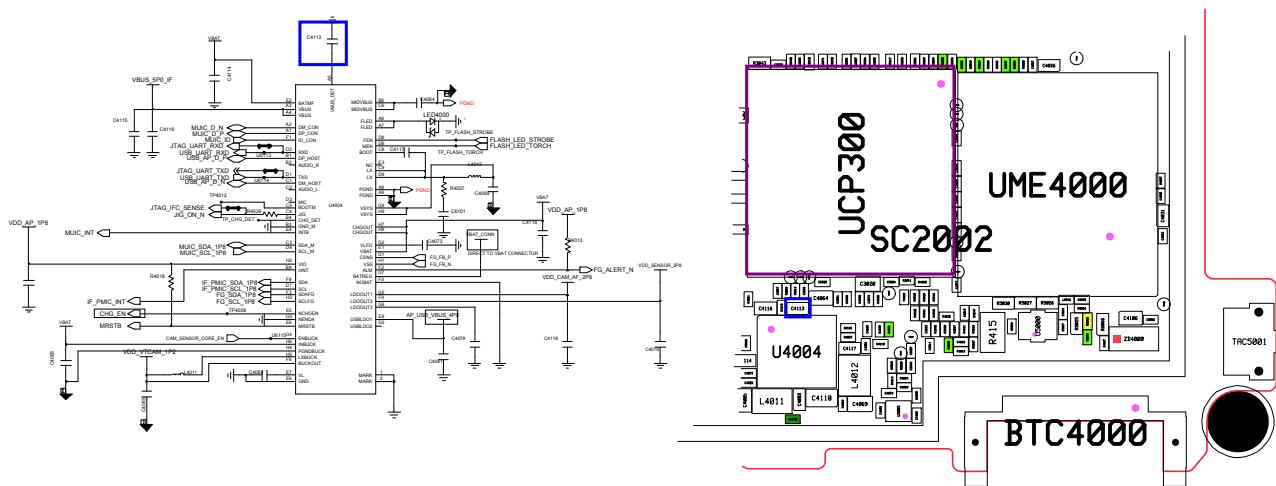
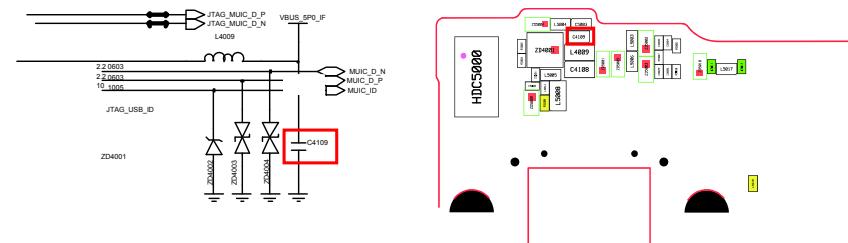
8-4-4. Sim Part - Sim Card 2



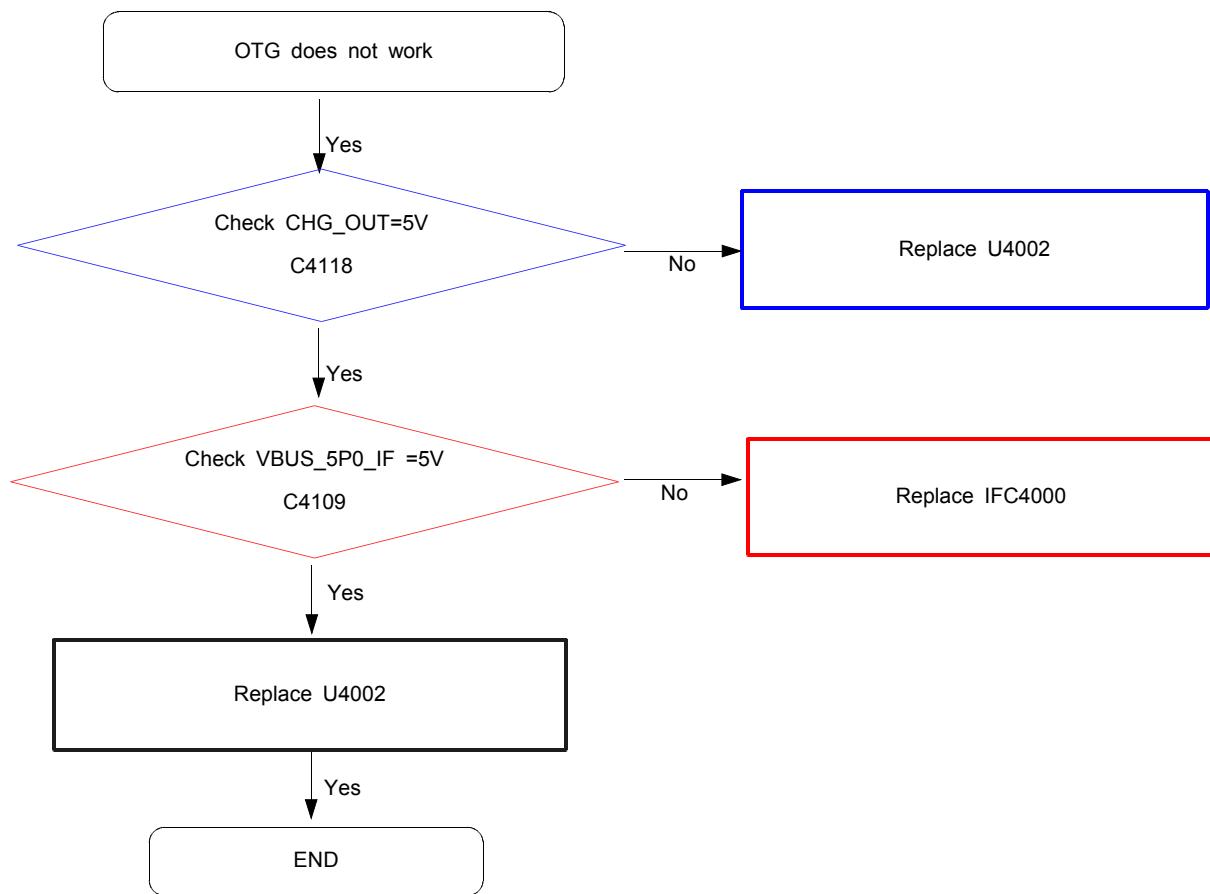


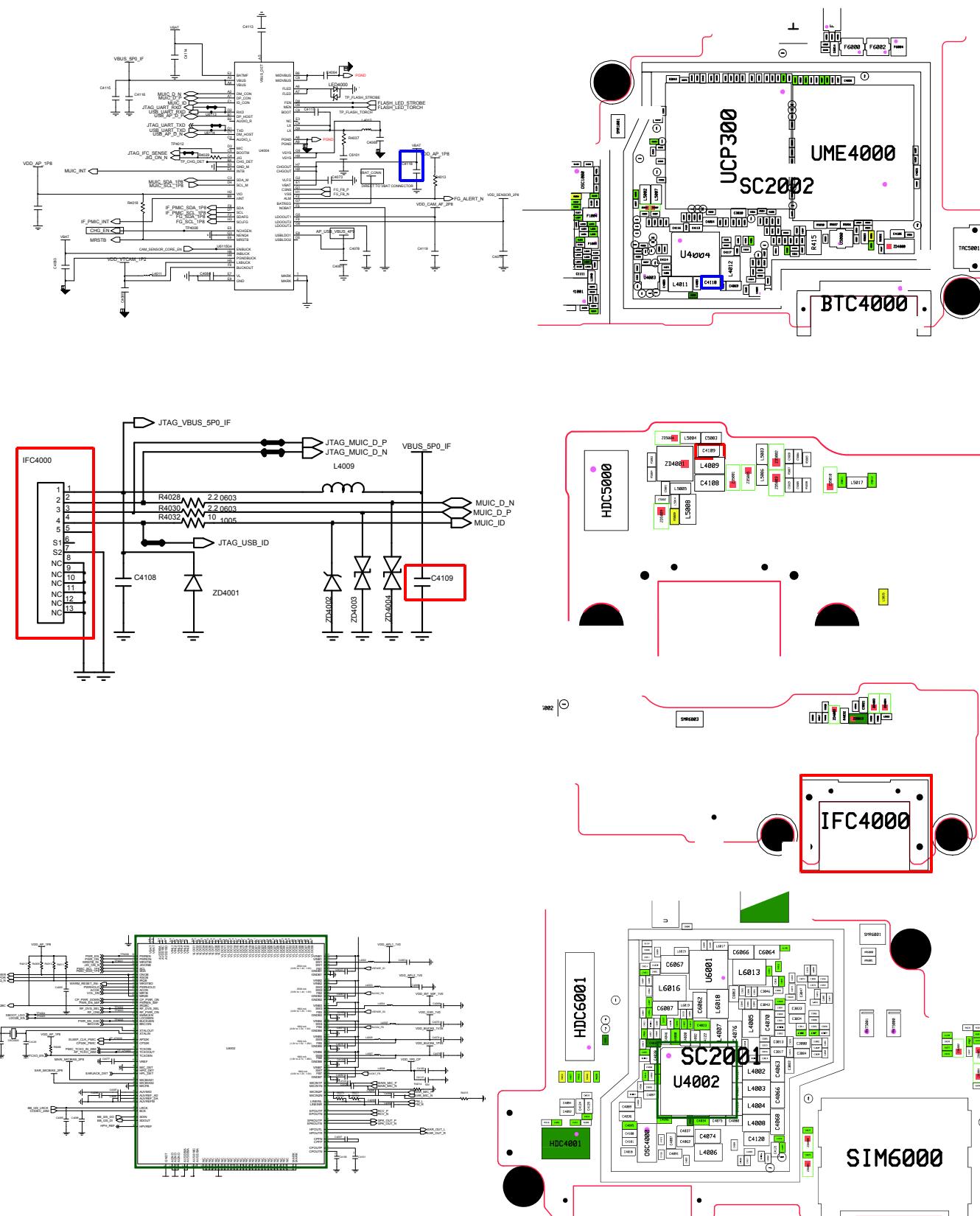
8-4-5. Charging Part



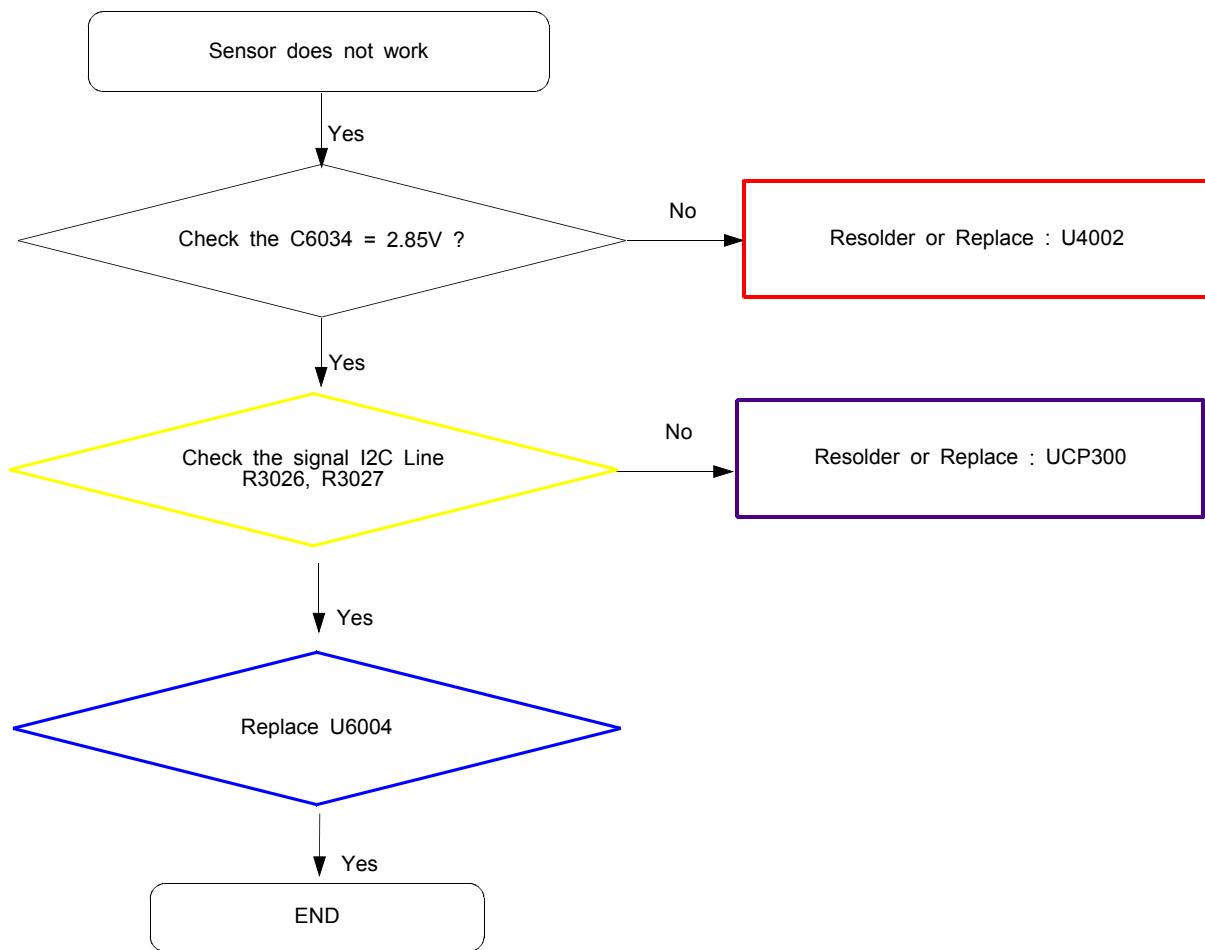


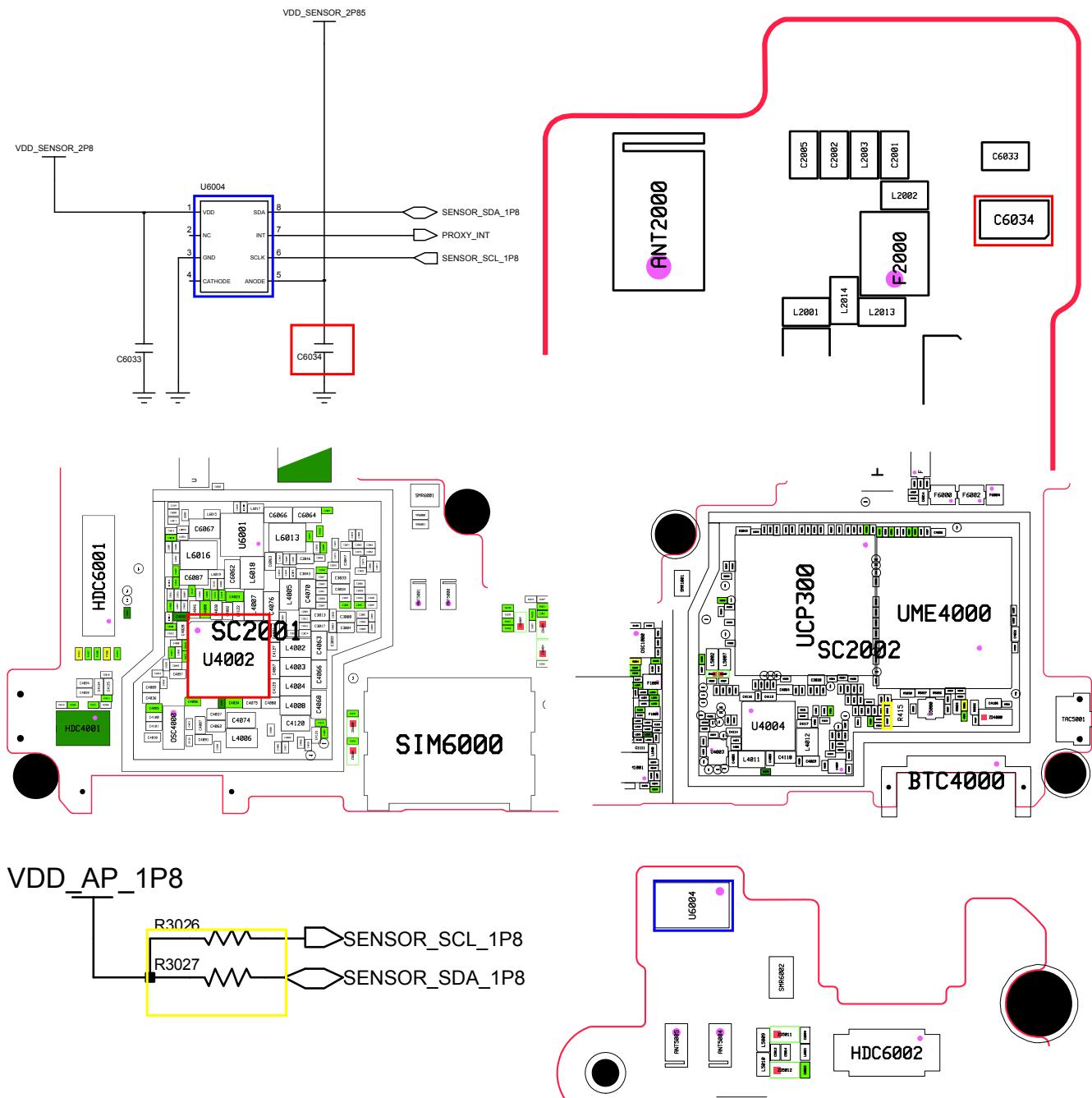
8-4-6. OTG



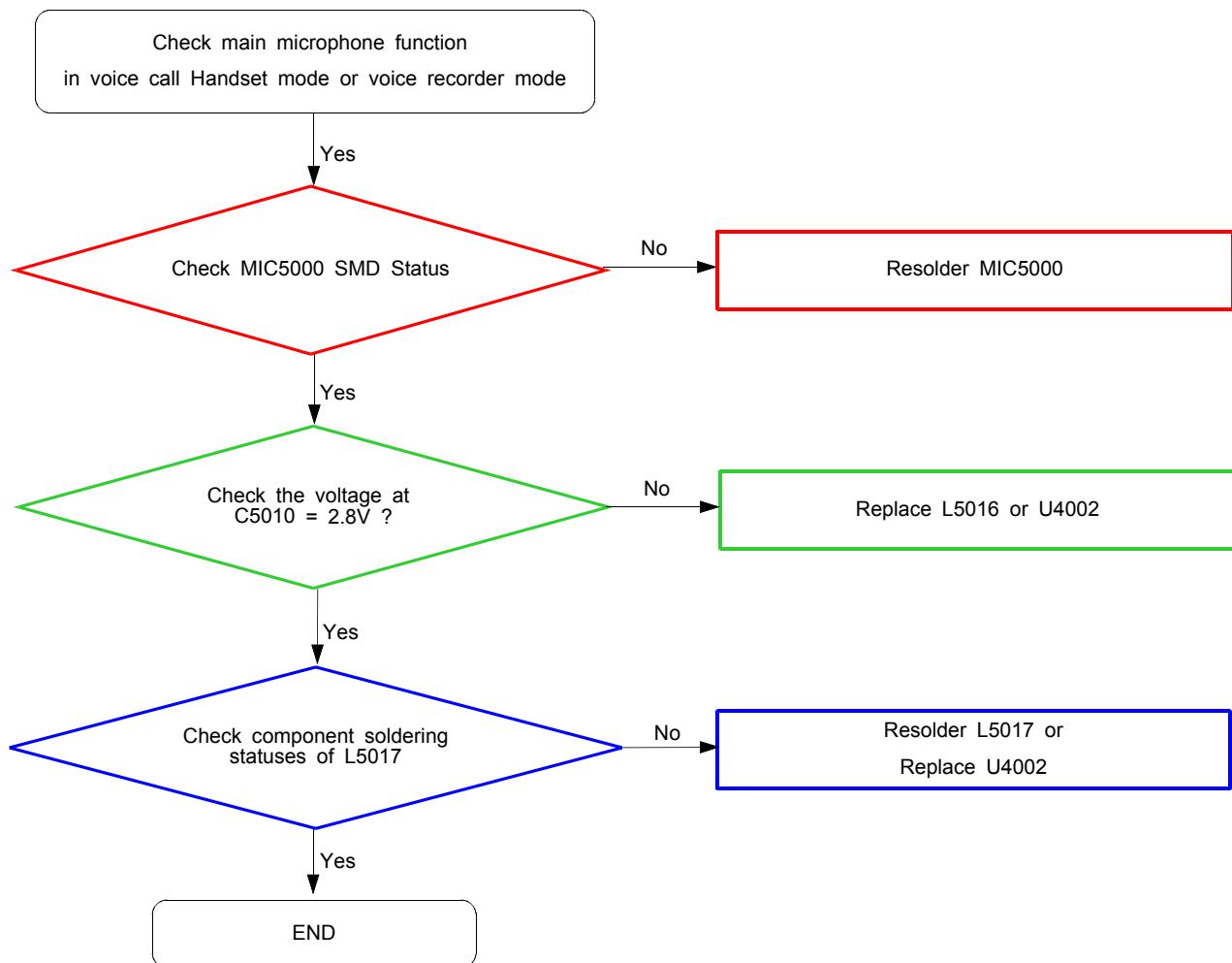


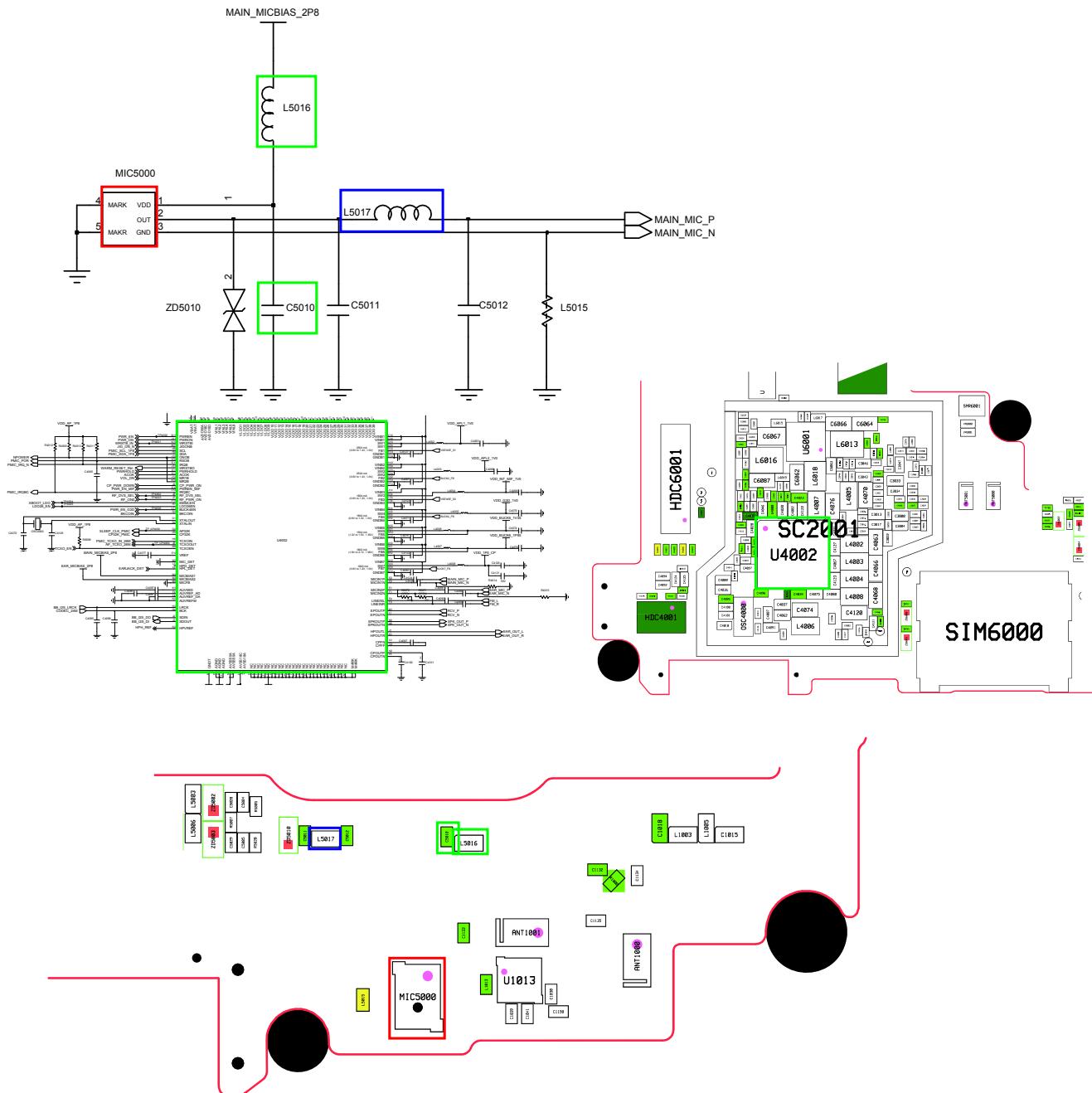
8-4-7. Proxy Sensor



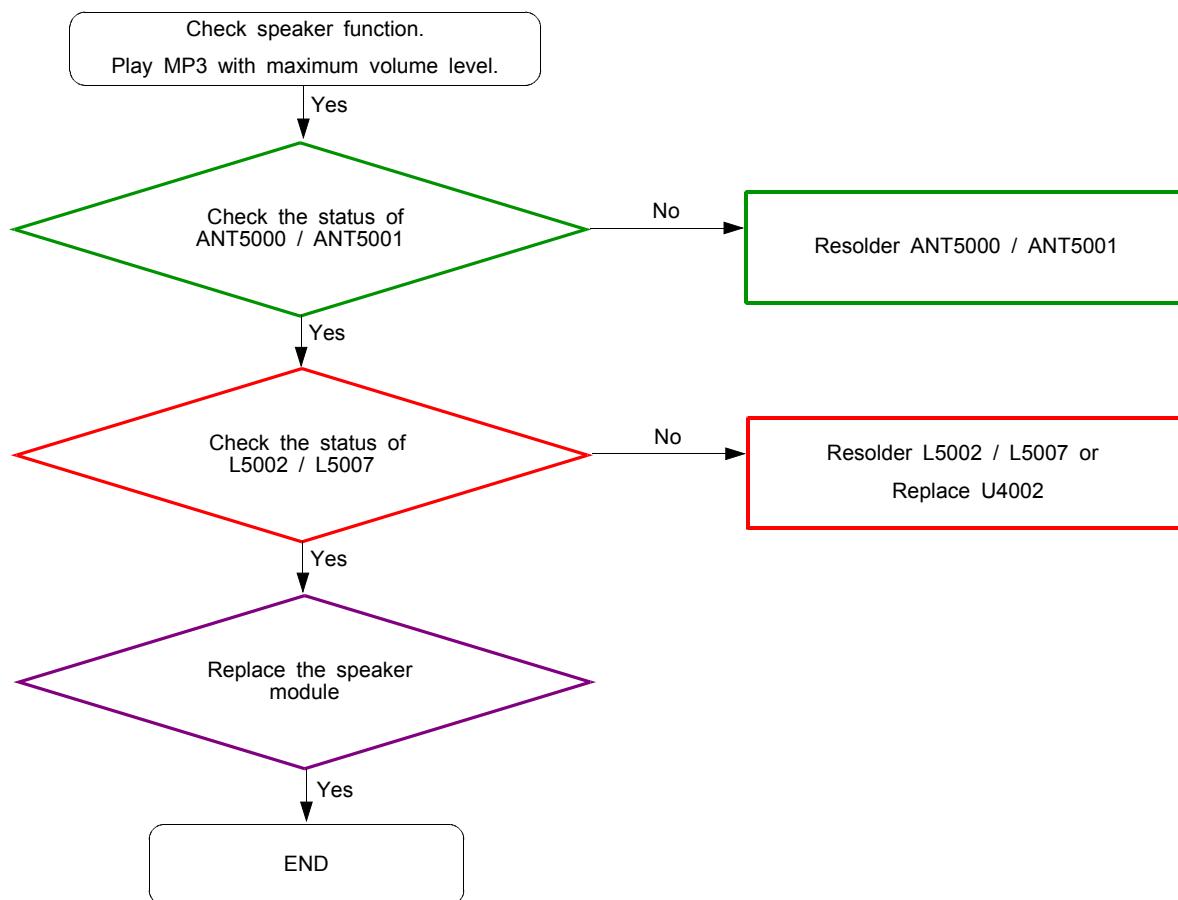


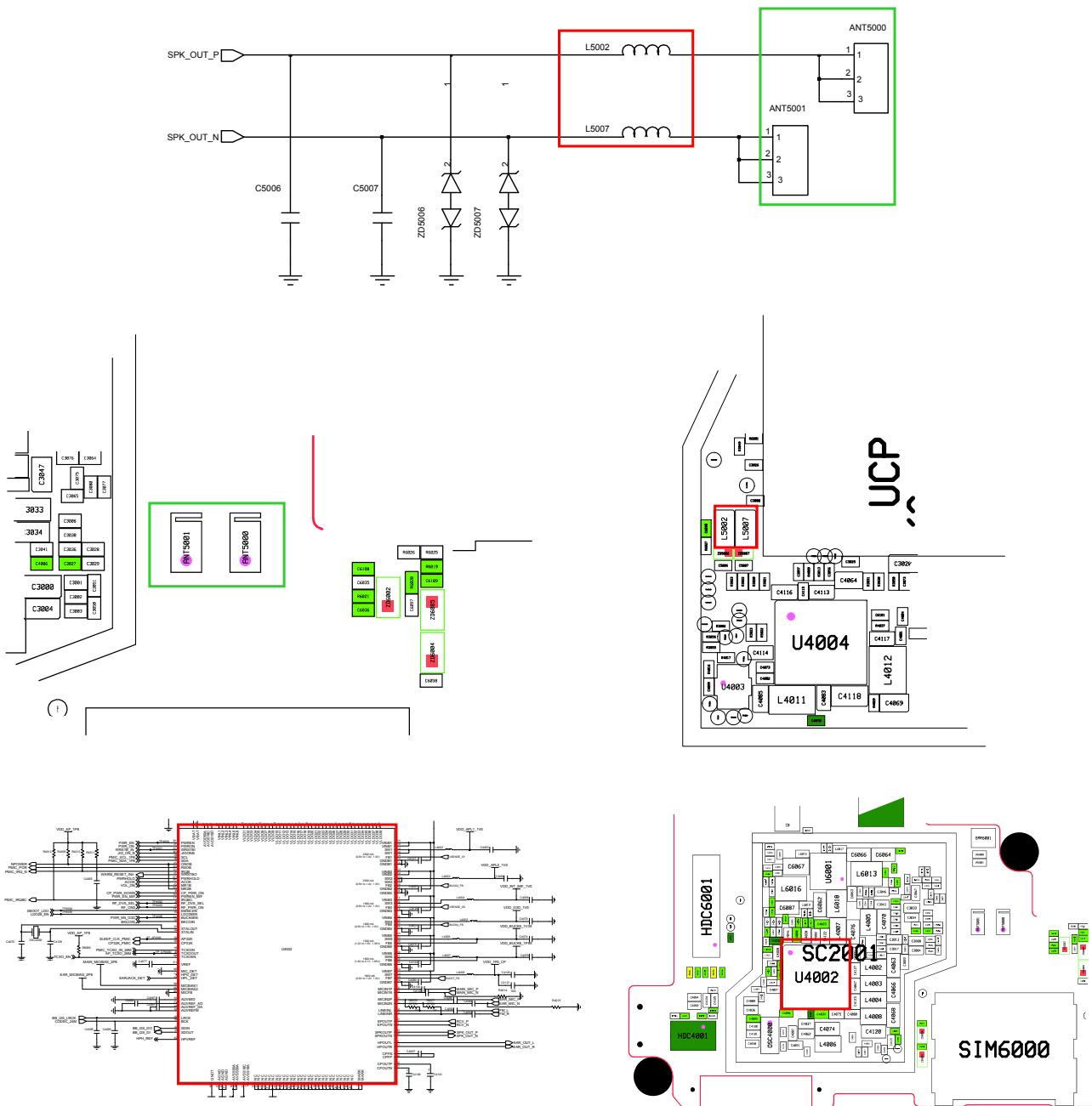
8-4-8 Microphone Part - Main MIC



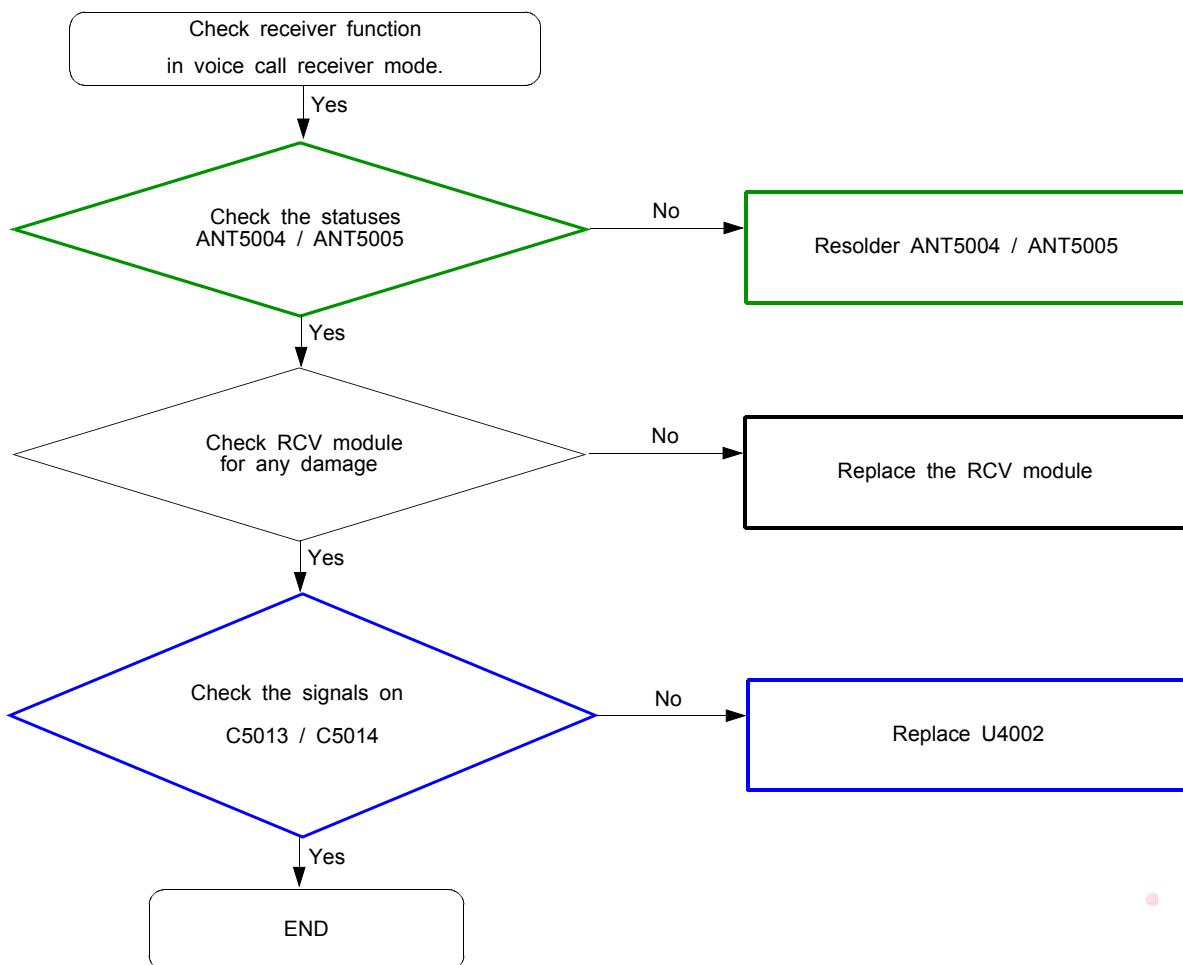


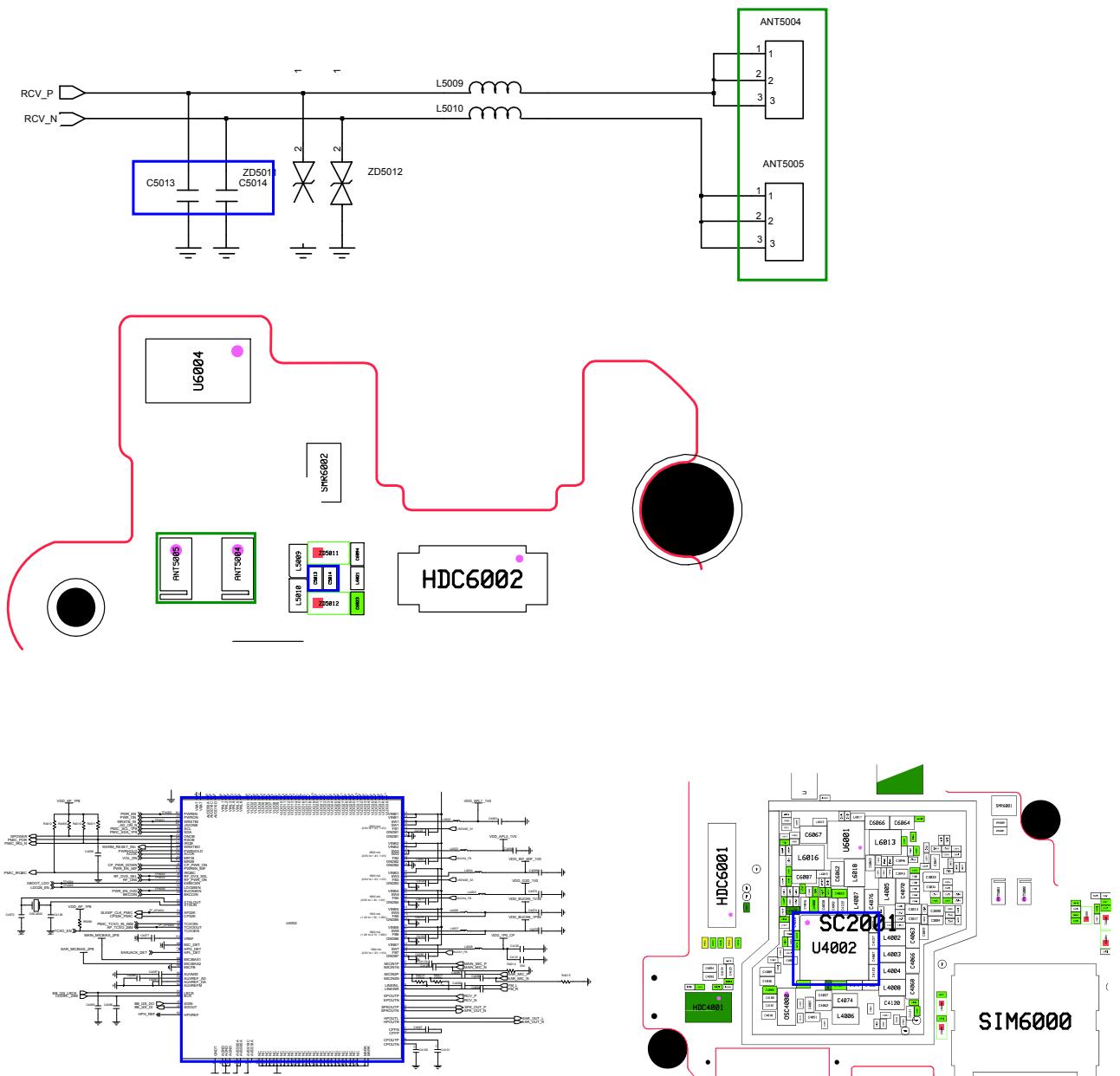
8-4-9. Speaker Part



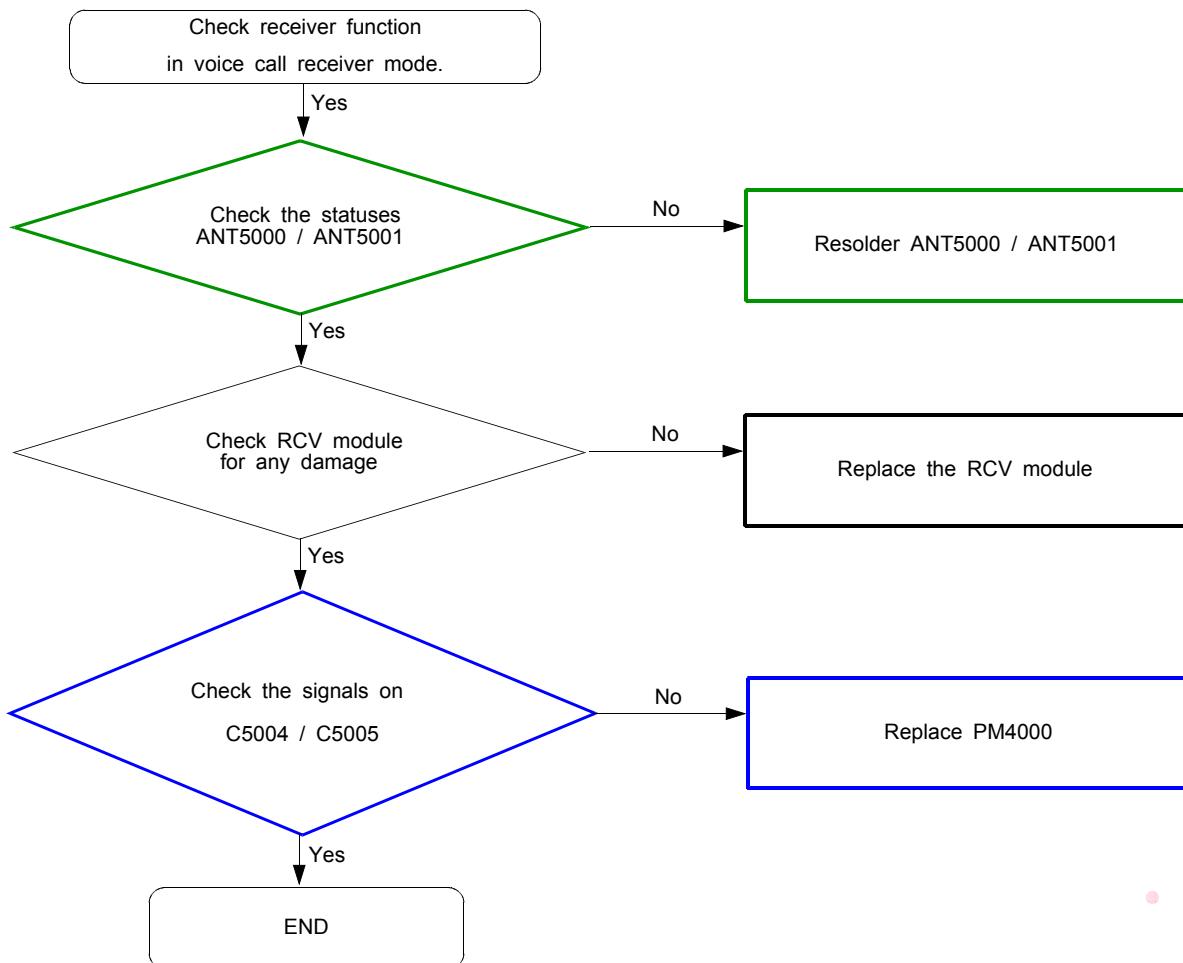


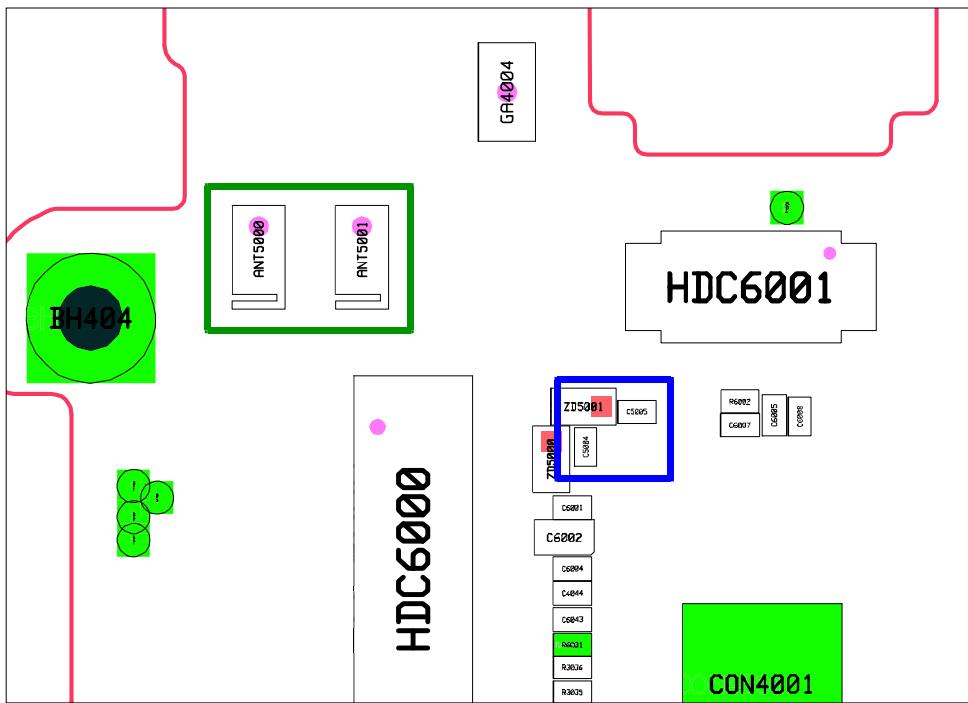
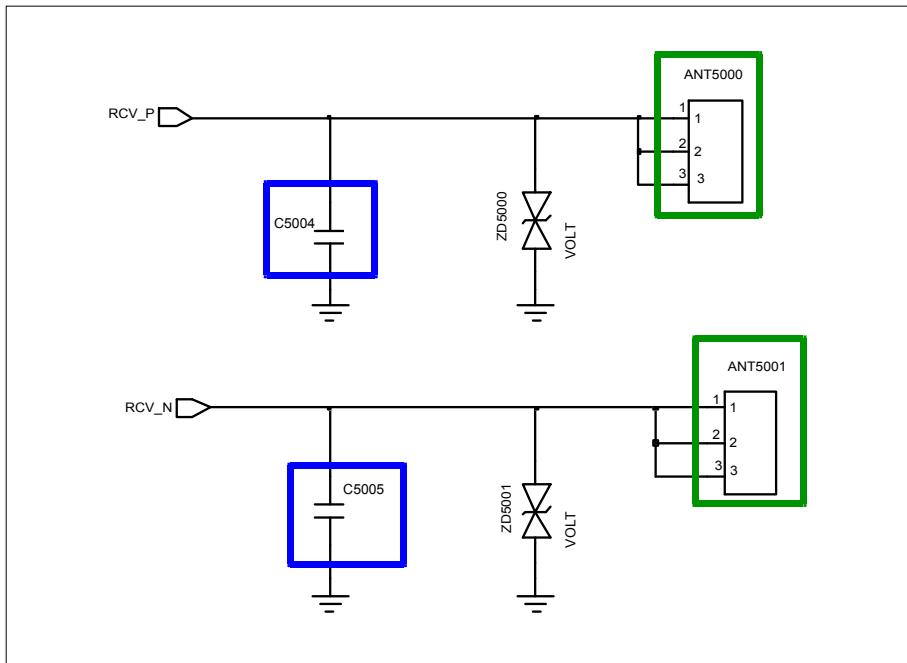
8-4-10. Receiver Part



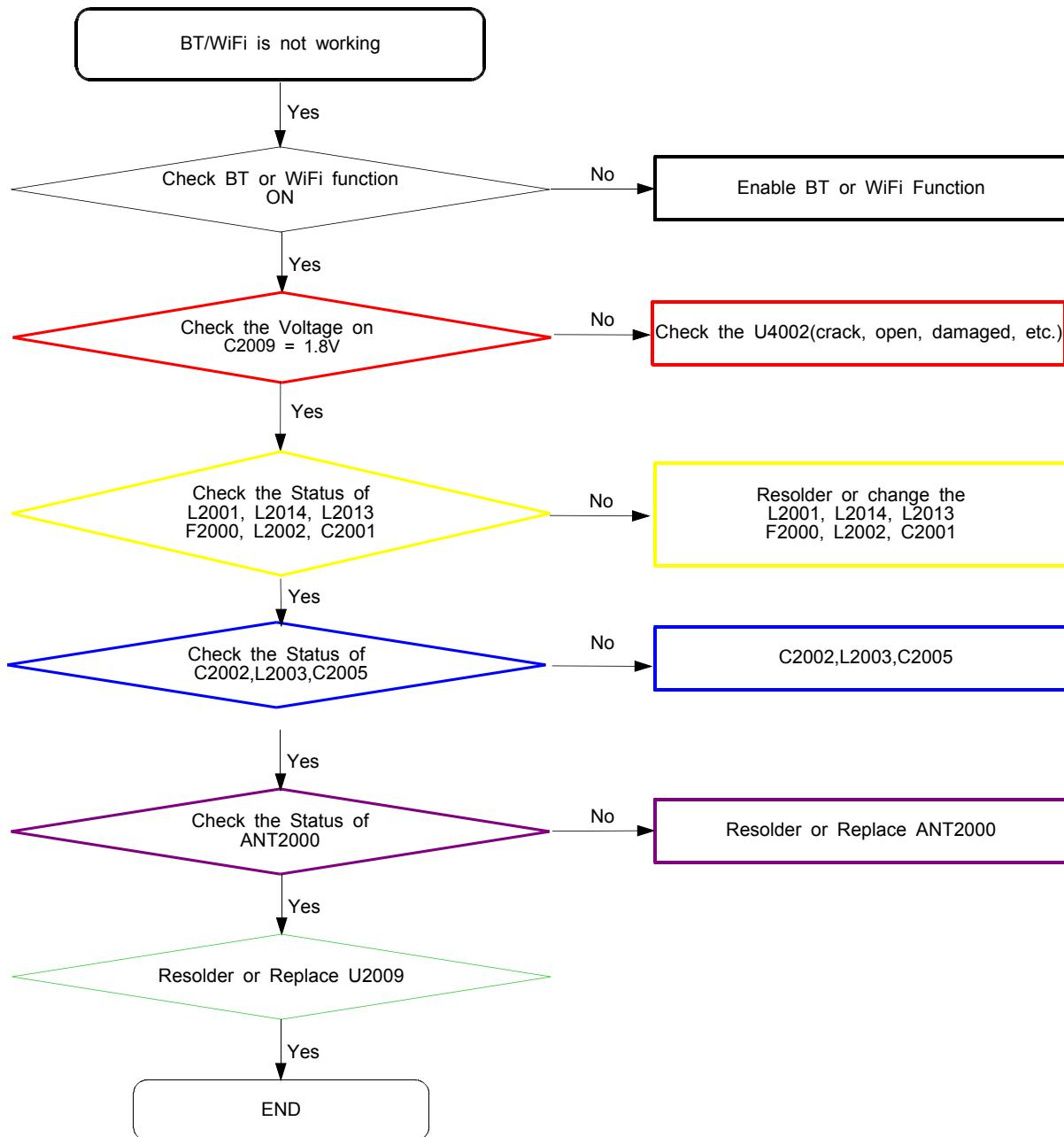


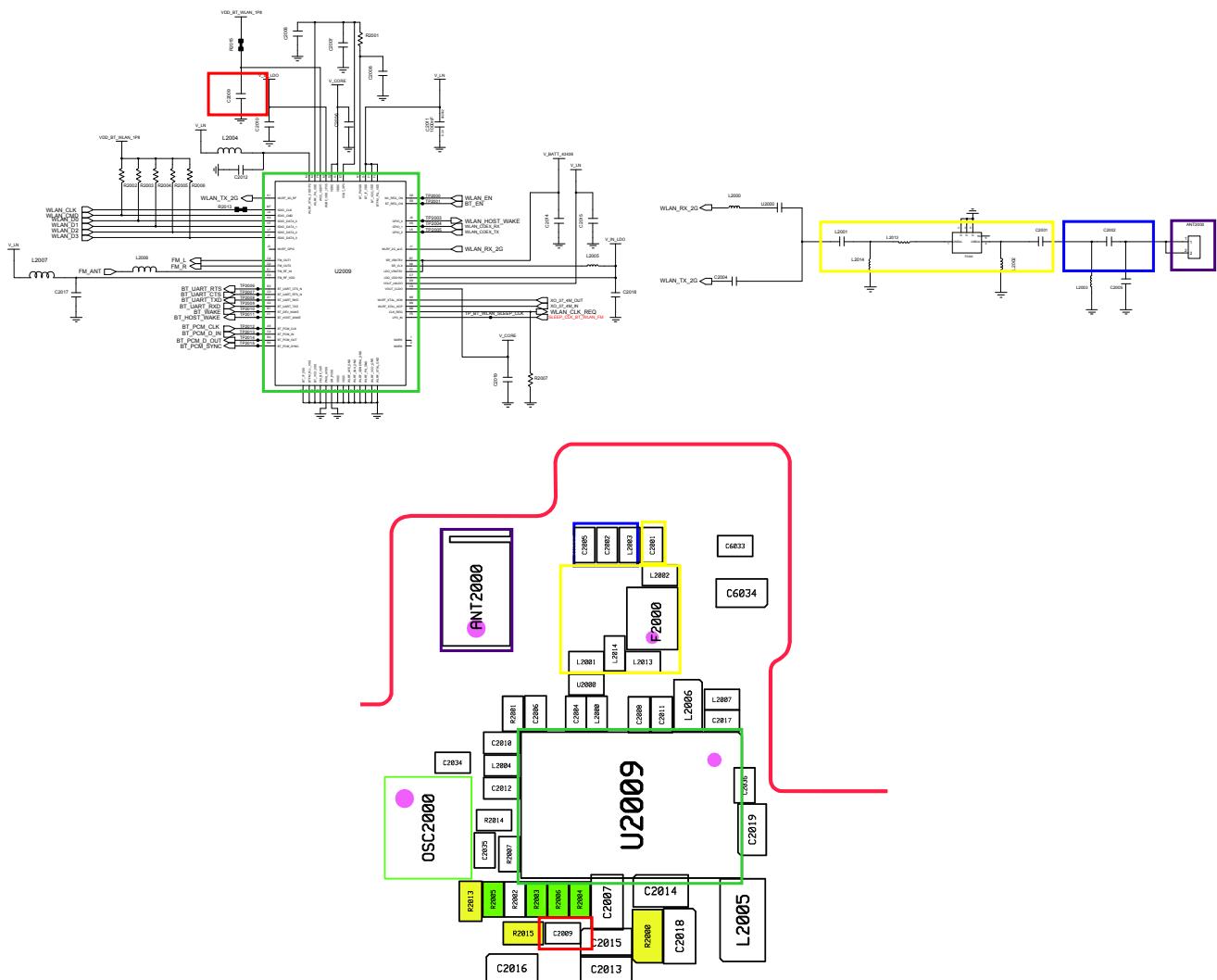
8-4-10. Receiver Part



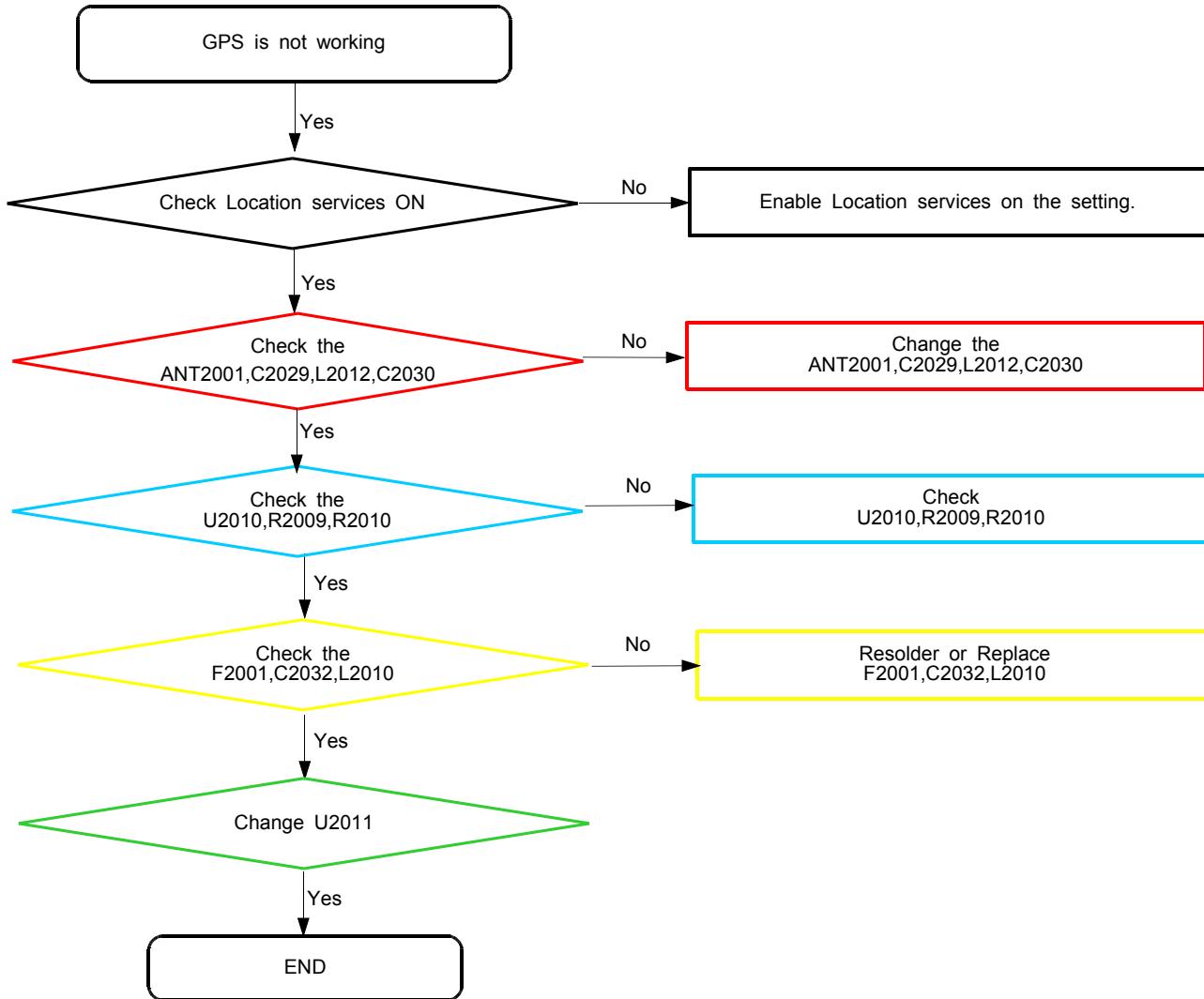


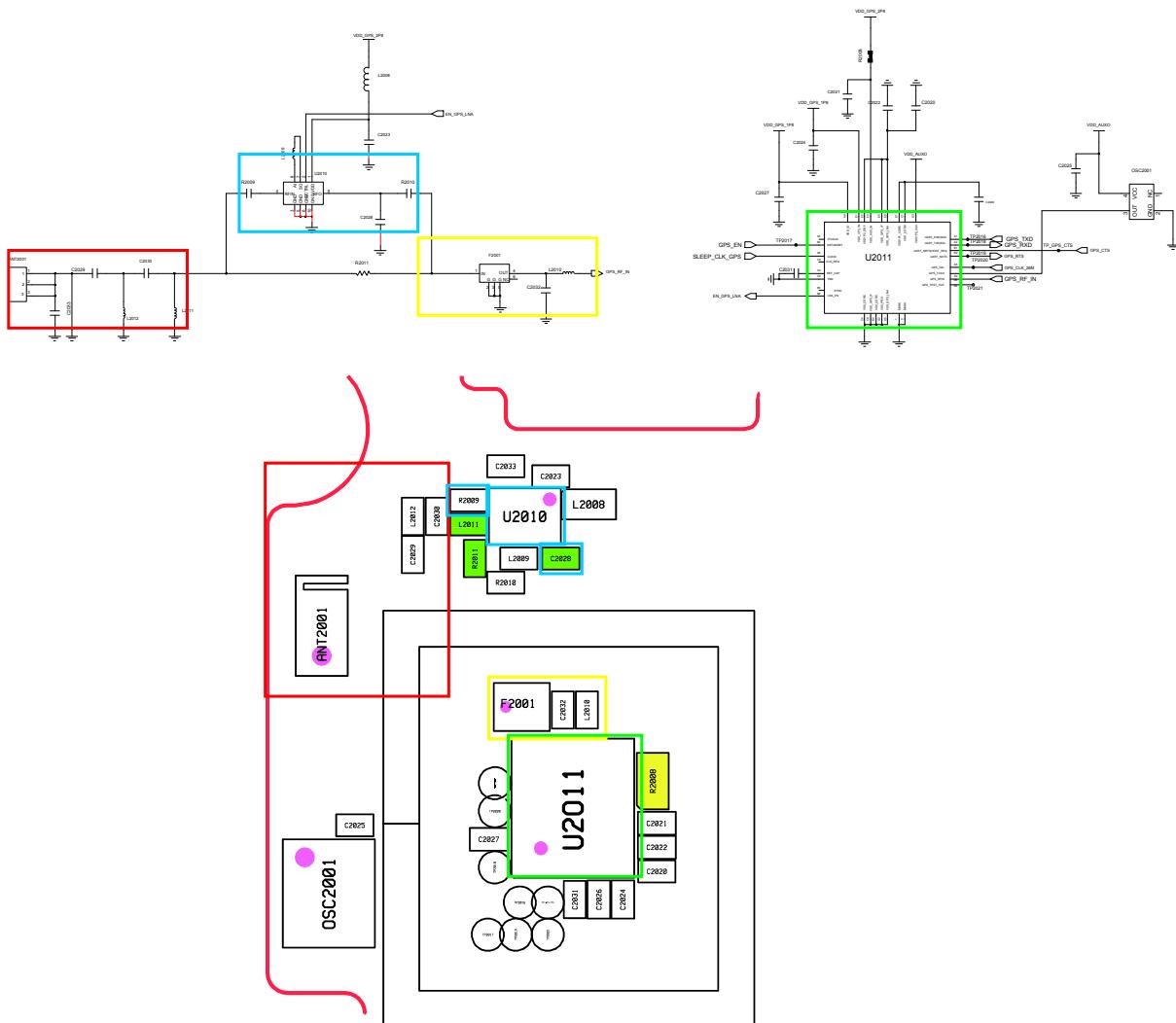
8-4-11. BT/WIFI



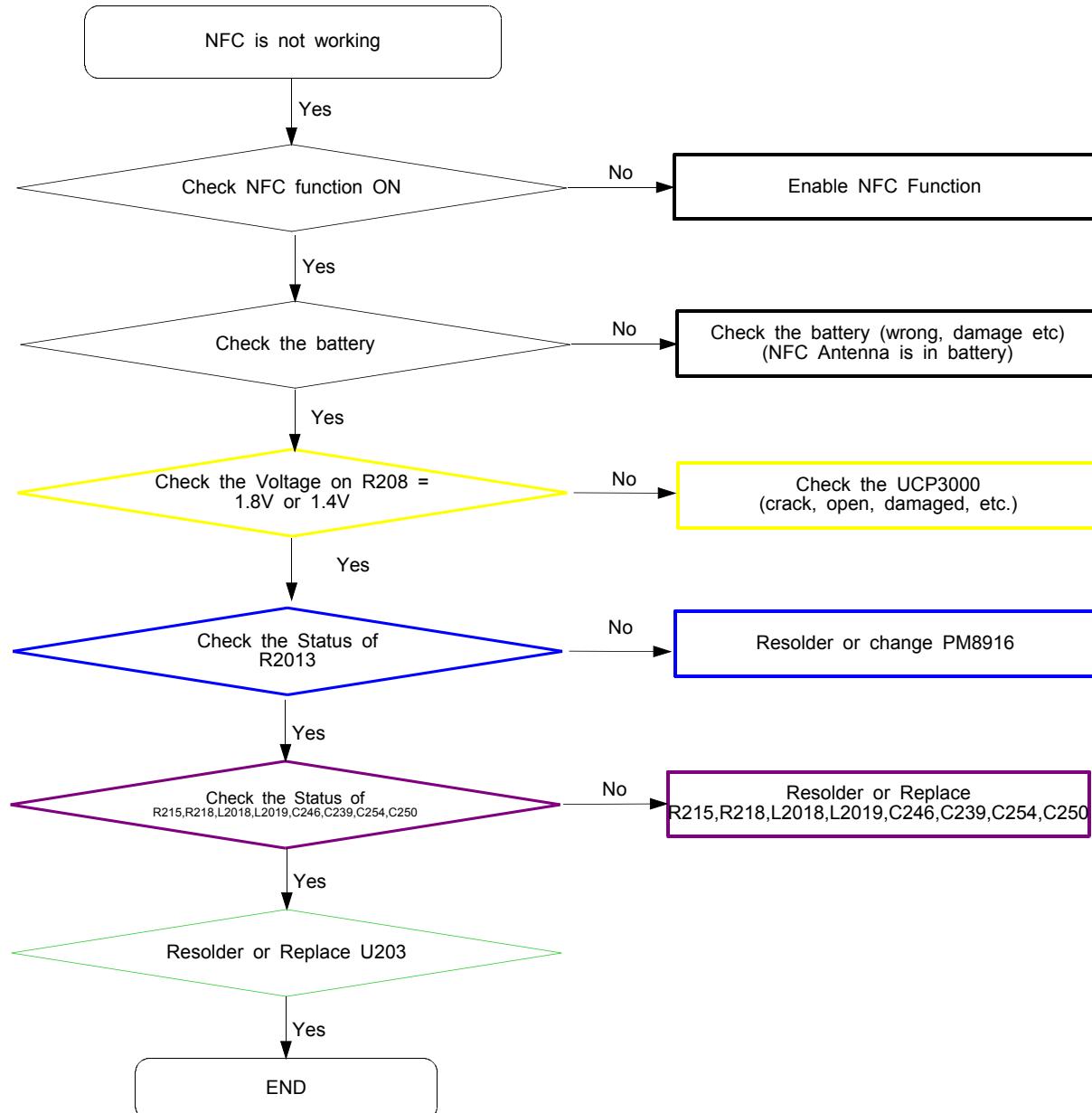


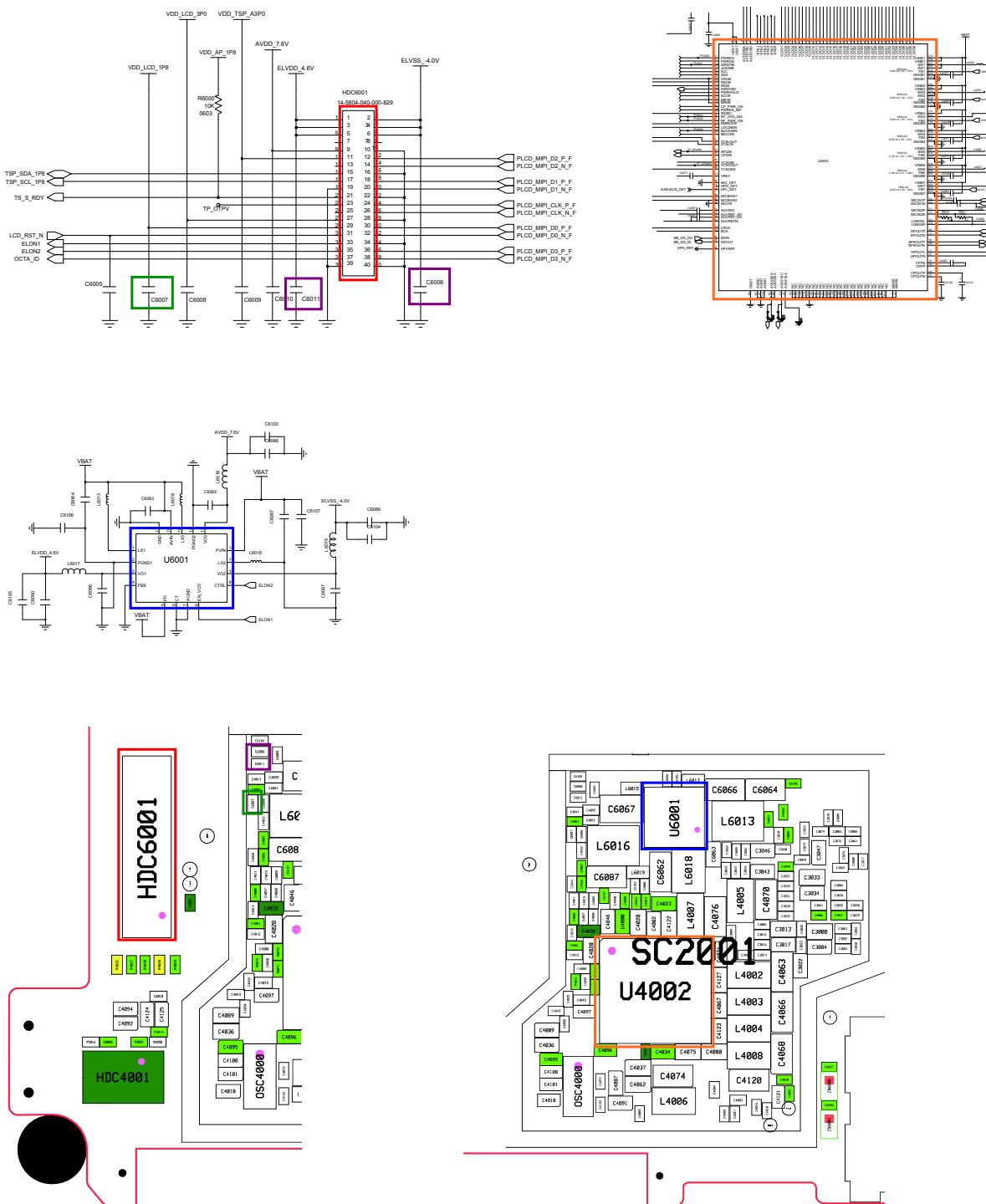
8-4-12. GPS



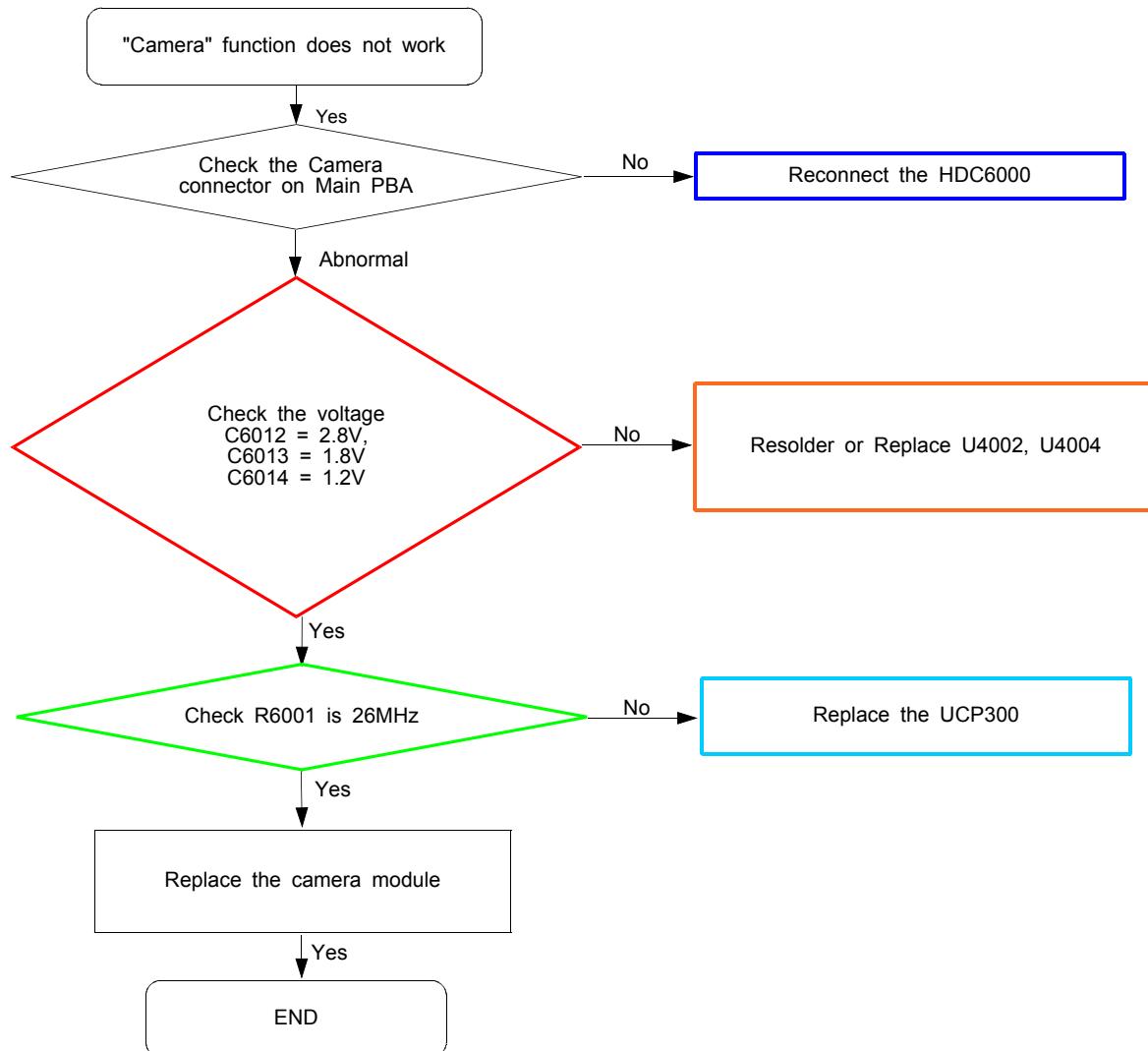


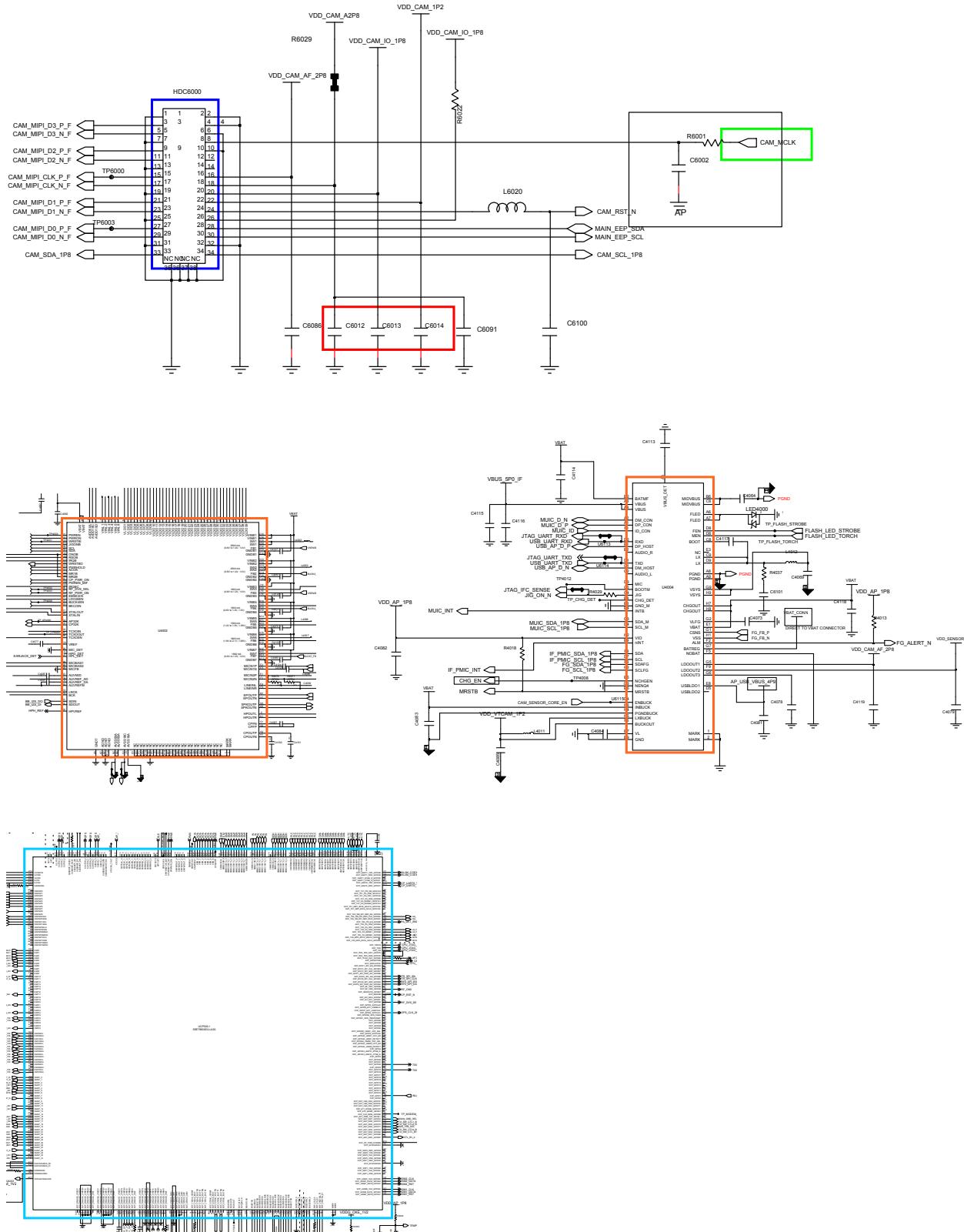
8-4-14. OCTA (LCD + TSP)

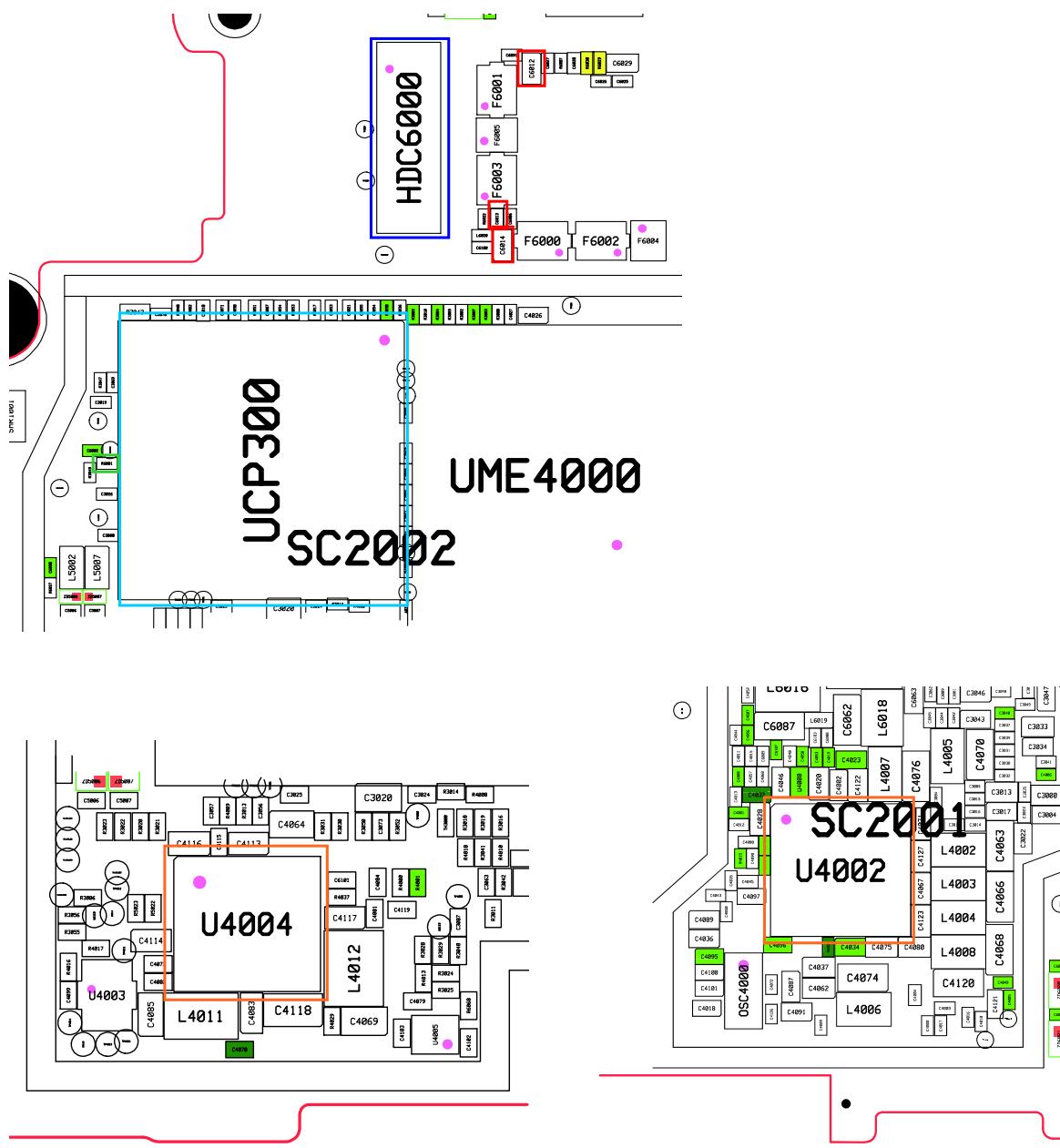




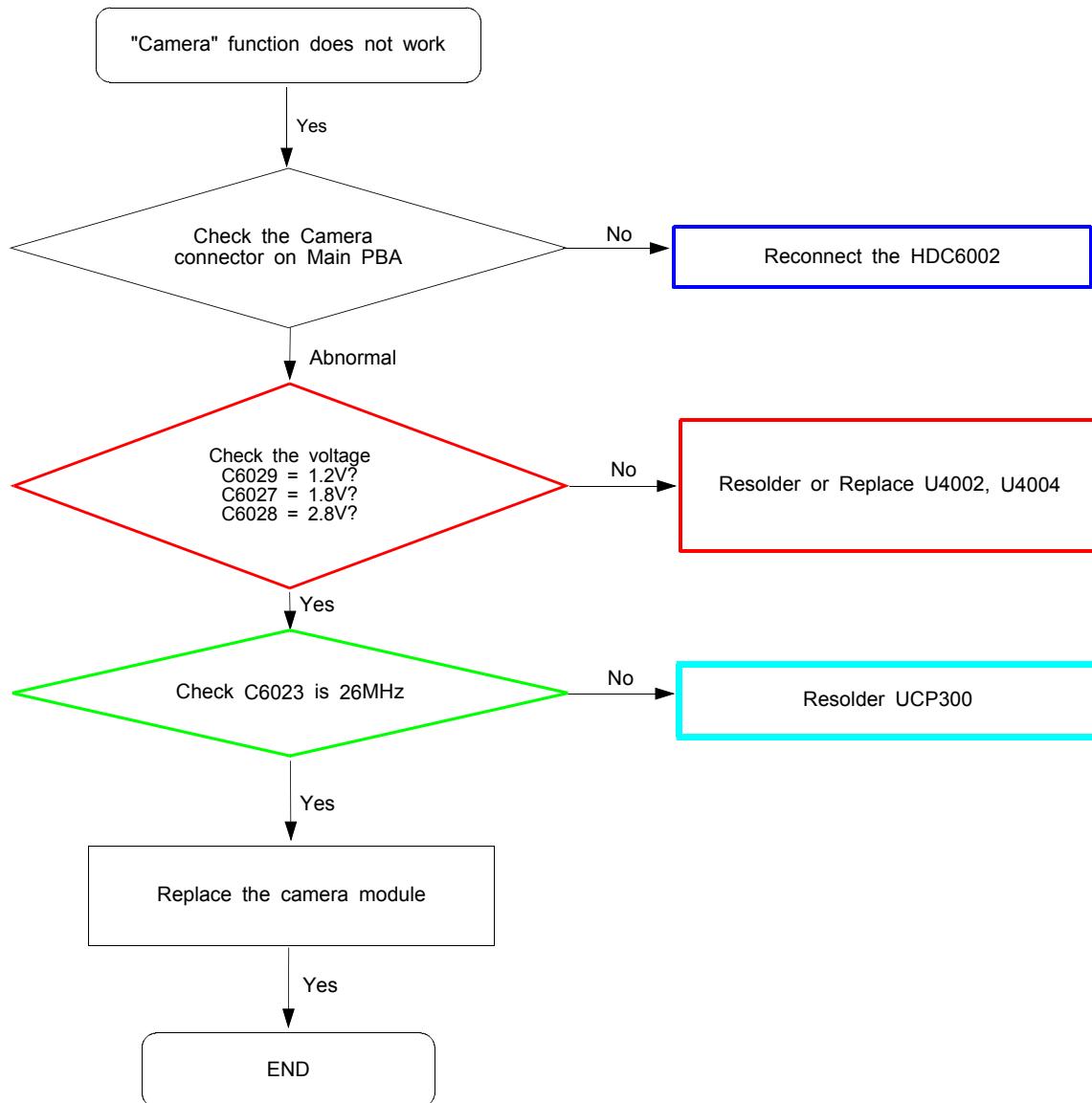
8-4-15. 13M CAM

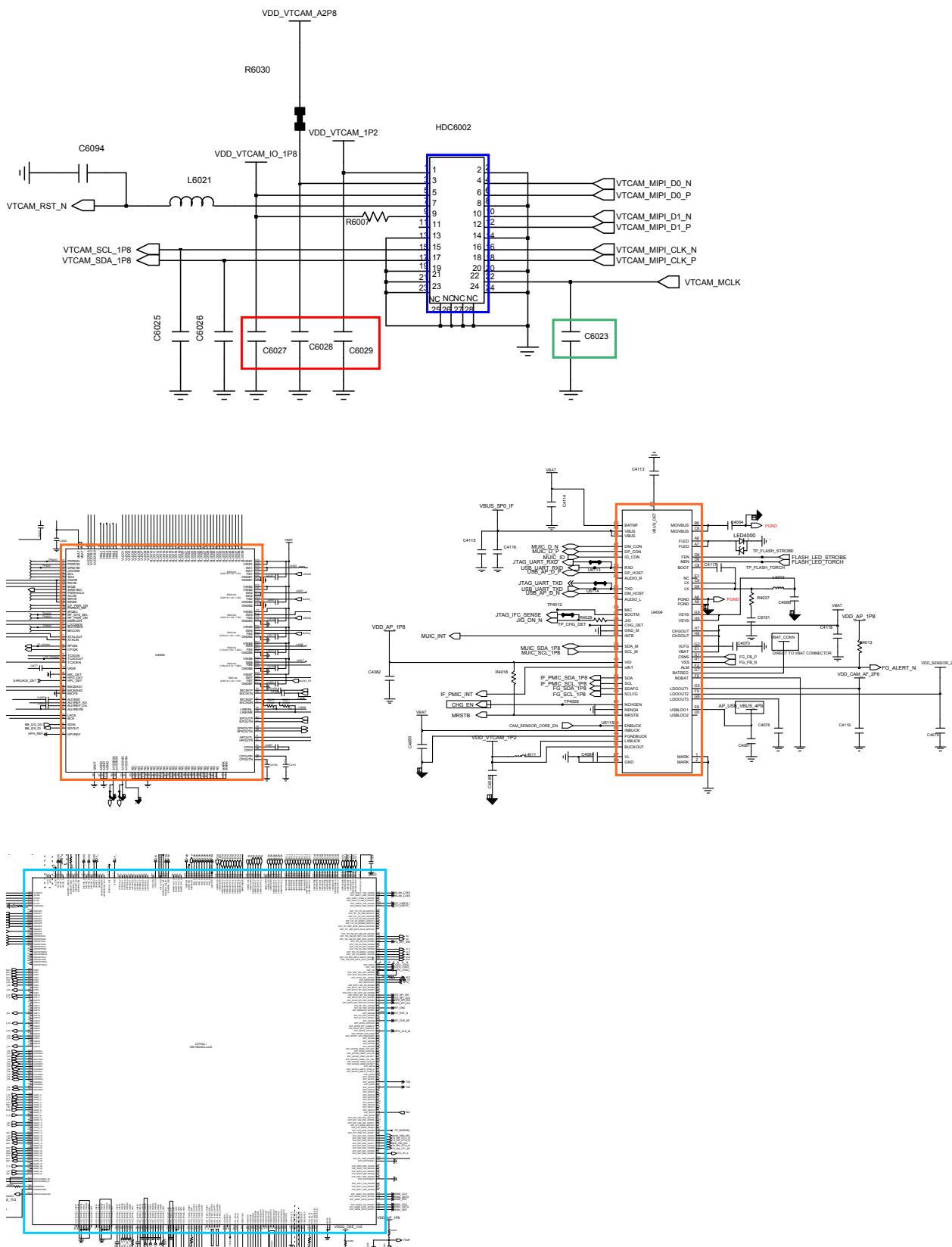


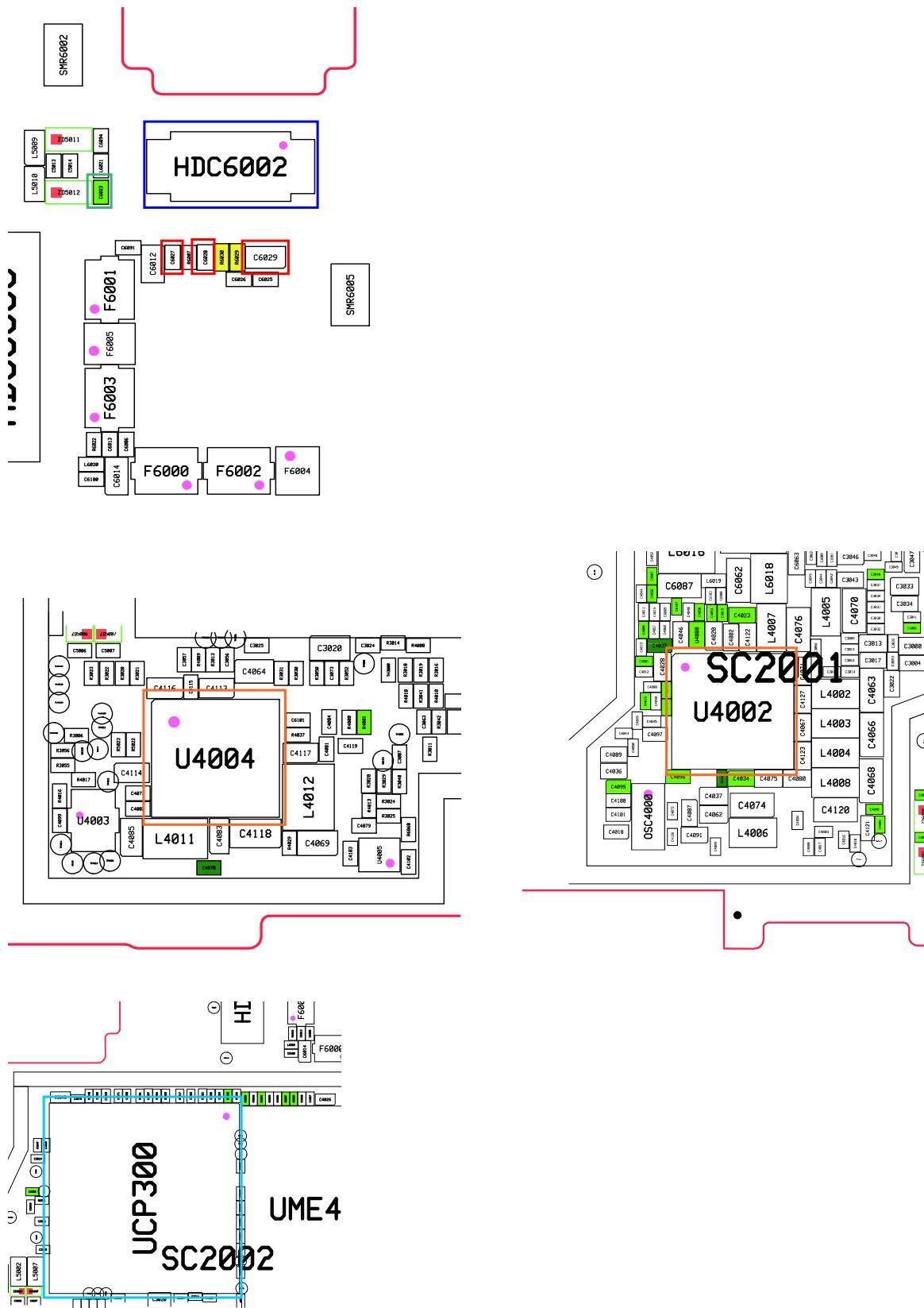




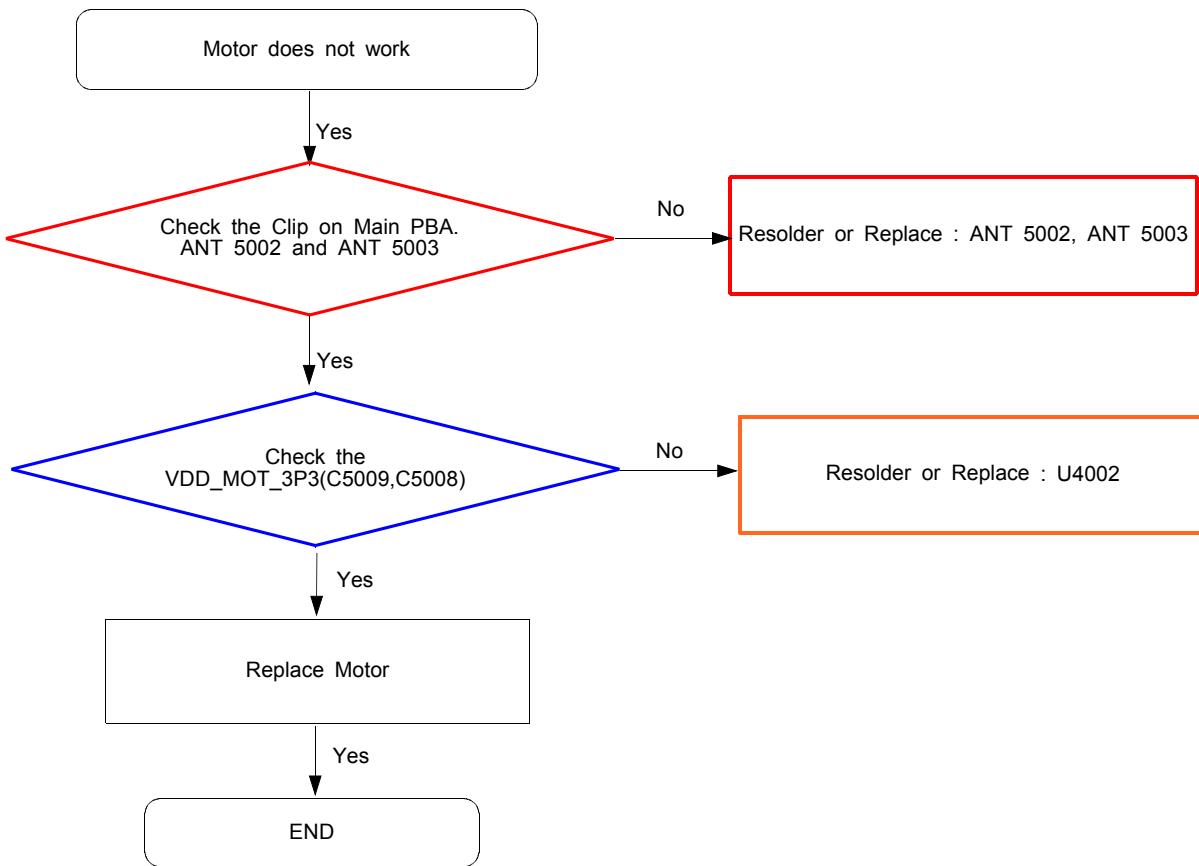
8-4-16. VT CAM



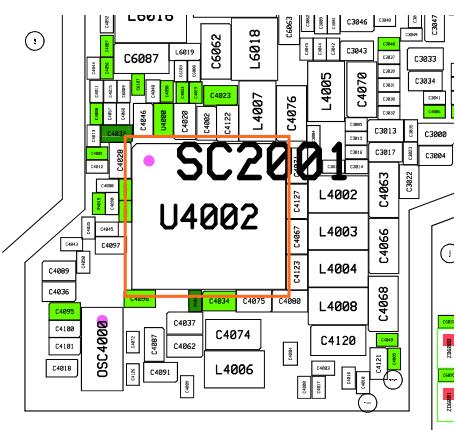
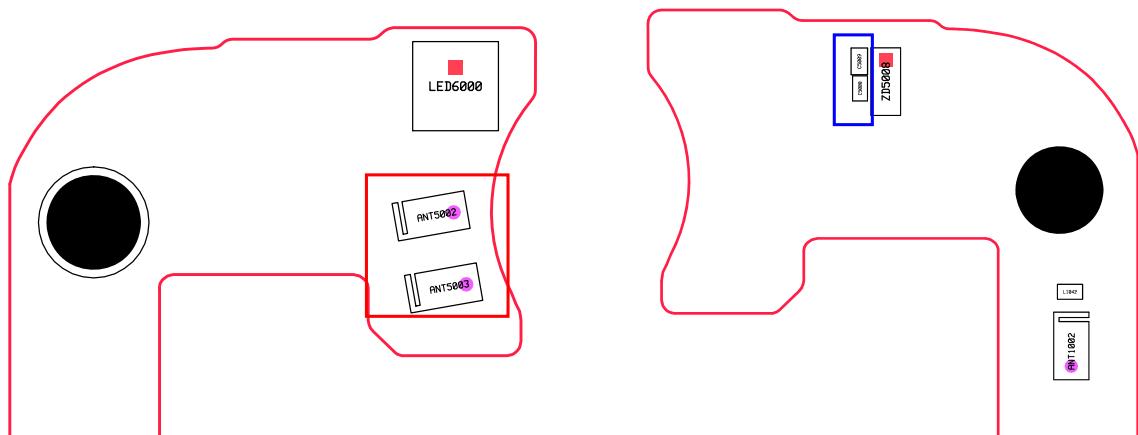
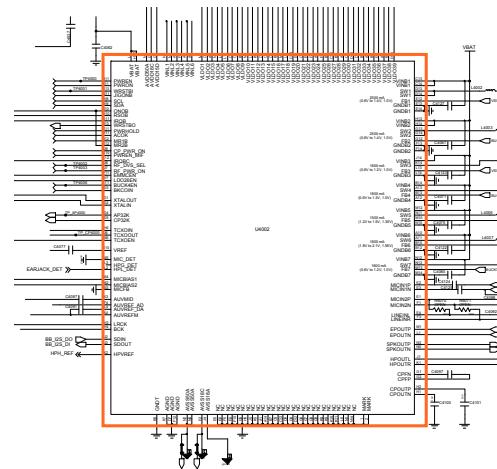
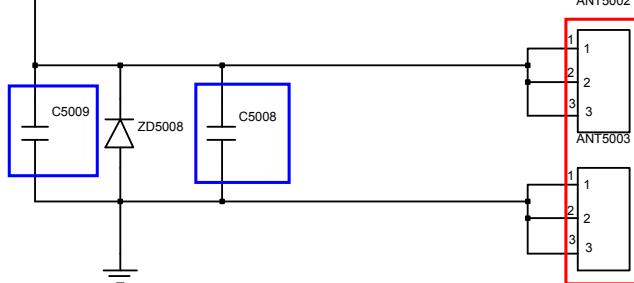




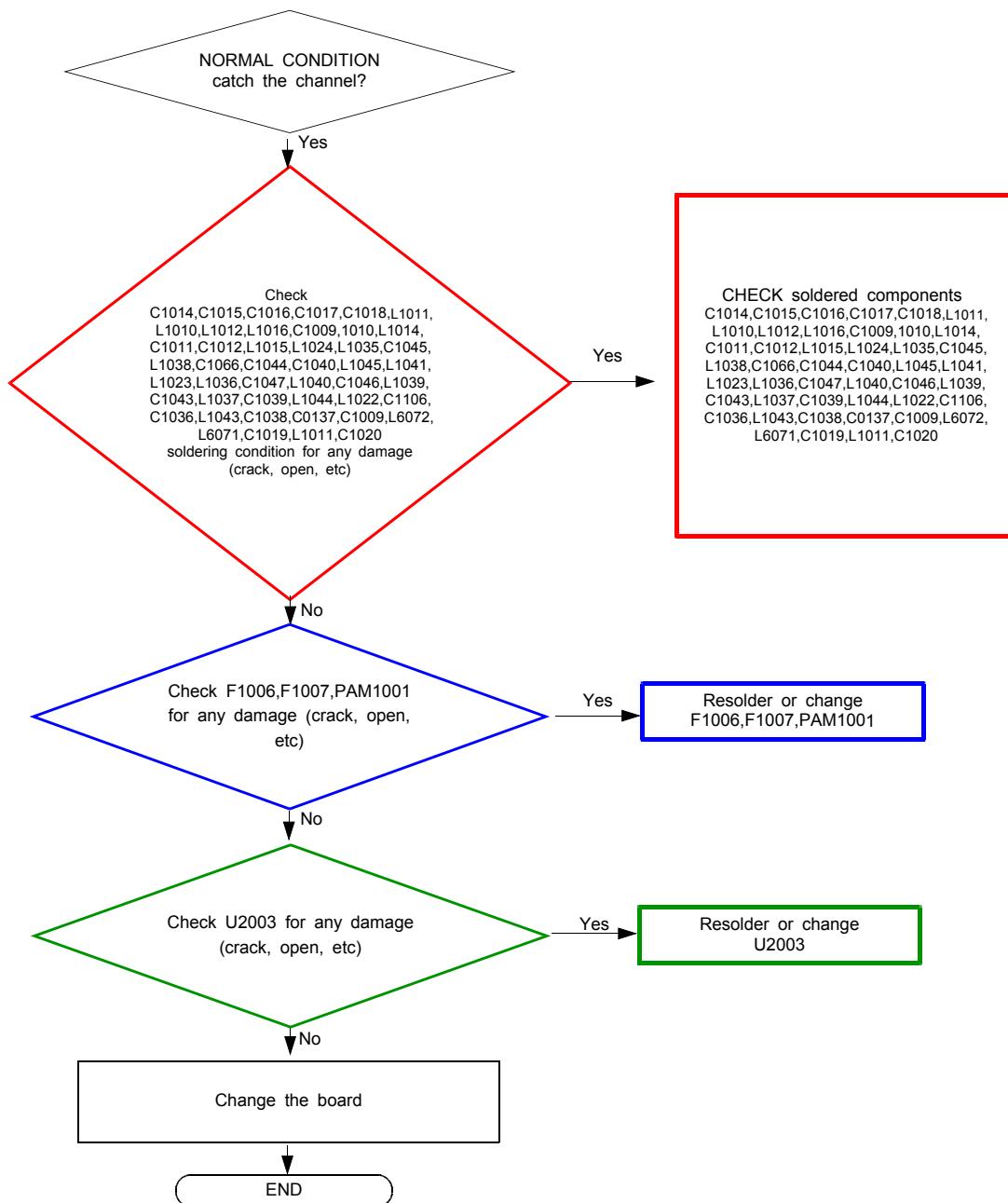
8-4-17. Motor



VDD_MOT_3P3

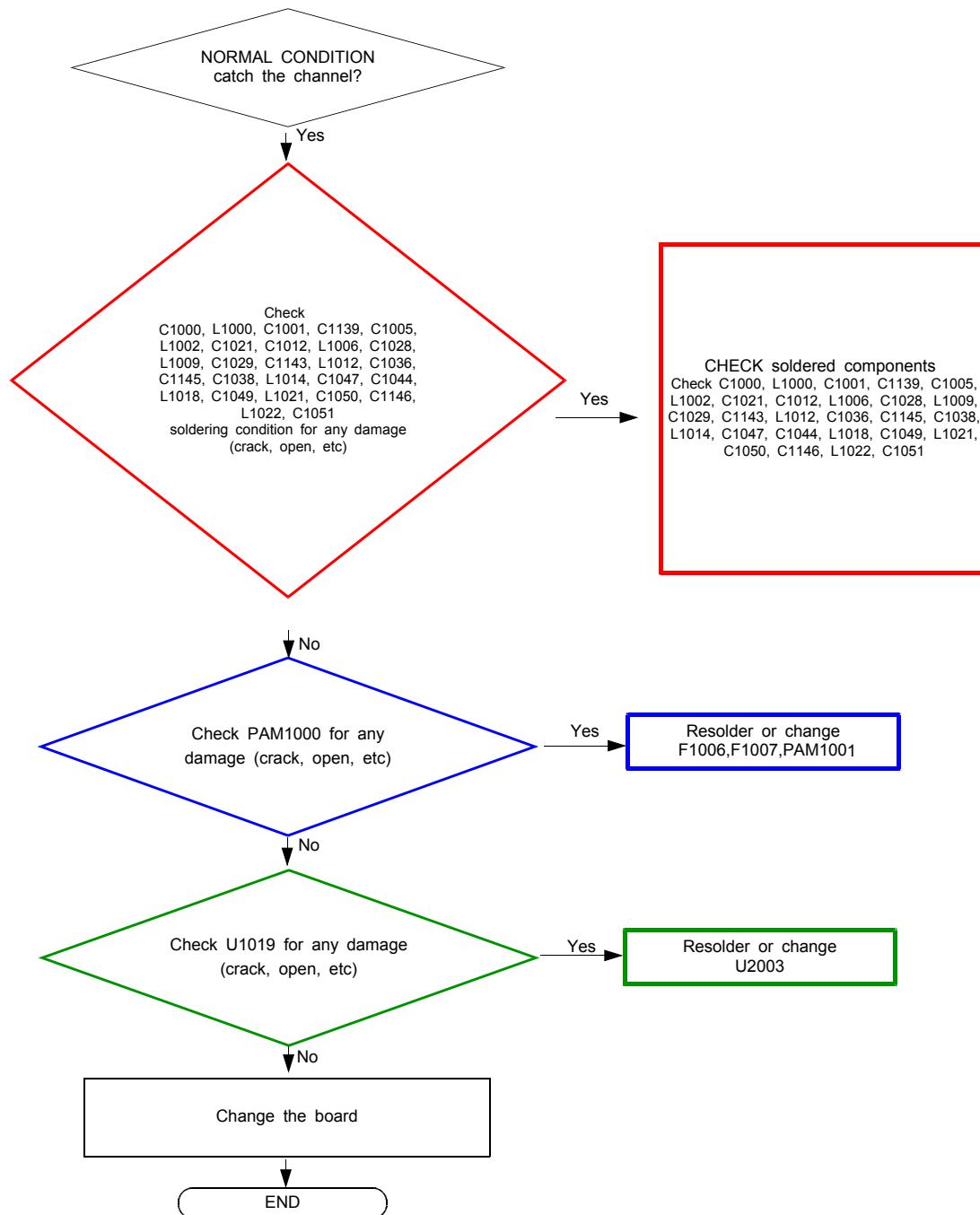


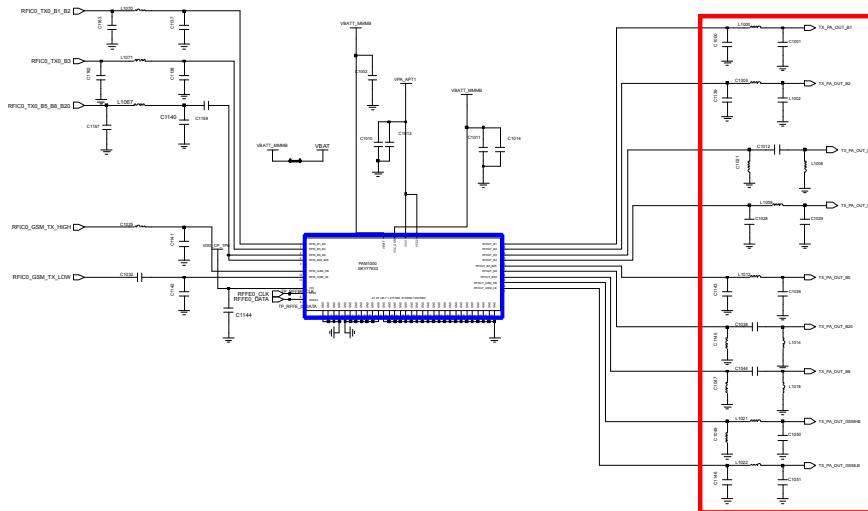
8-4-19. GSM 850,900,1800,1900 / WCDMA BAND 1,2,5,8 / LTE BAND 1,3,5,8,20 RX



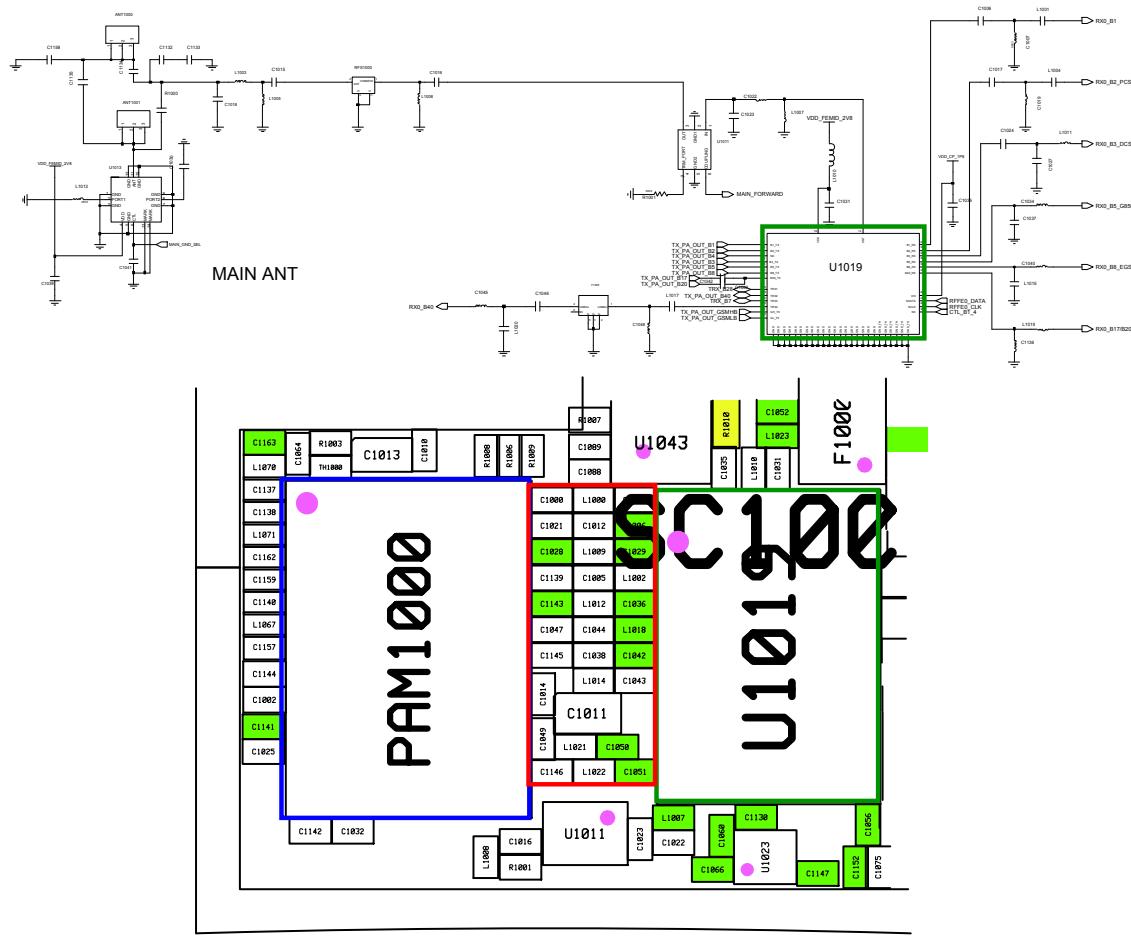


8-4-20. GSM 850,900,1800,1900 / WCDMA BAND 1,2,5,8 / LTE BAND 1,3,5,8,20 TX

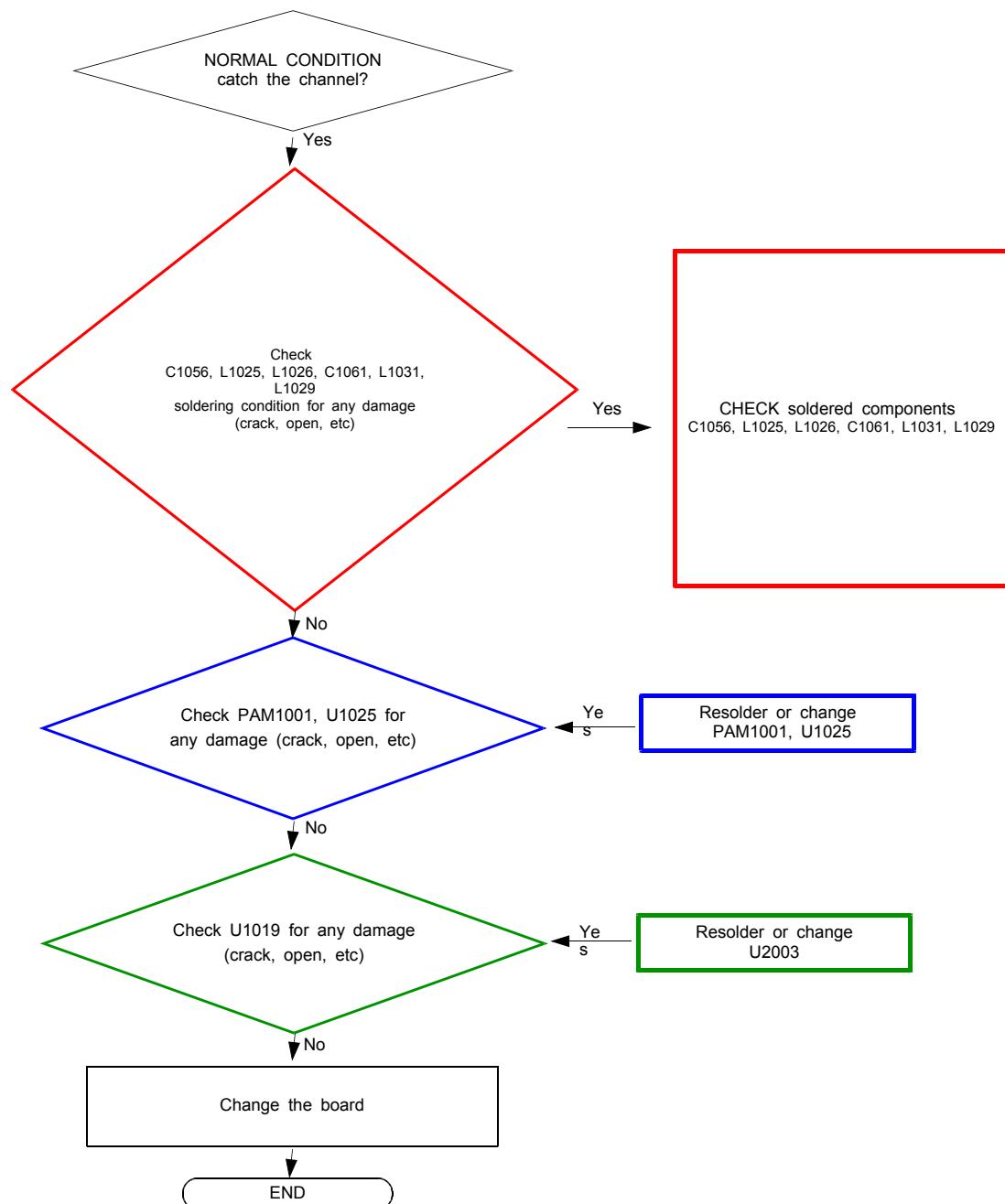


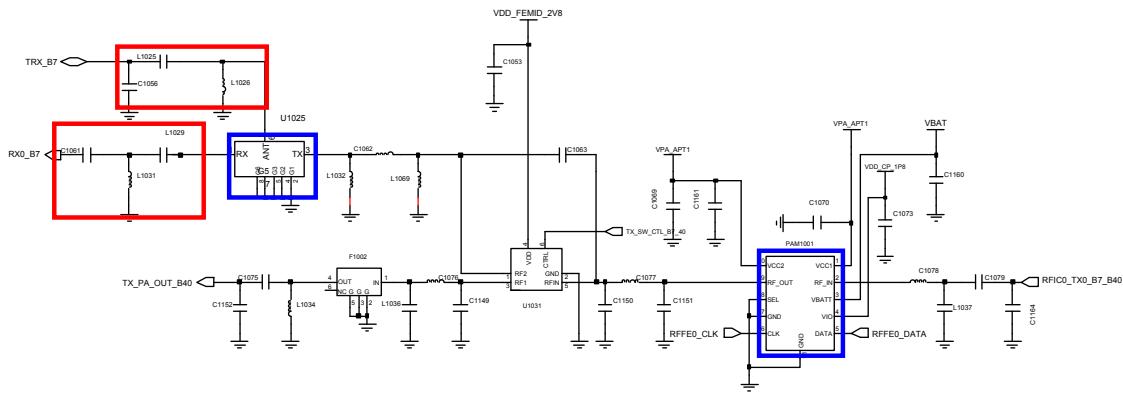


B1/2/3/5/8/20, GSM QUAD MMMB PA

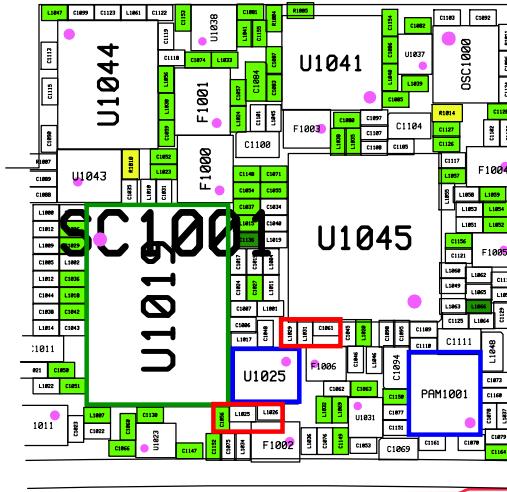
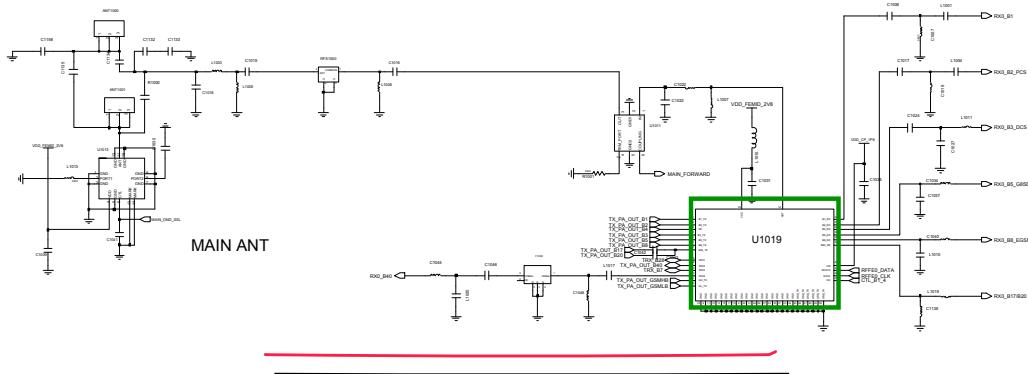


8-4-21. LTE BAND 7 RX

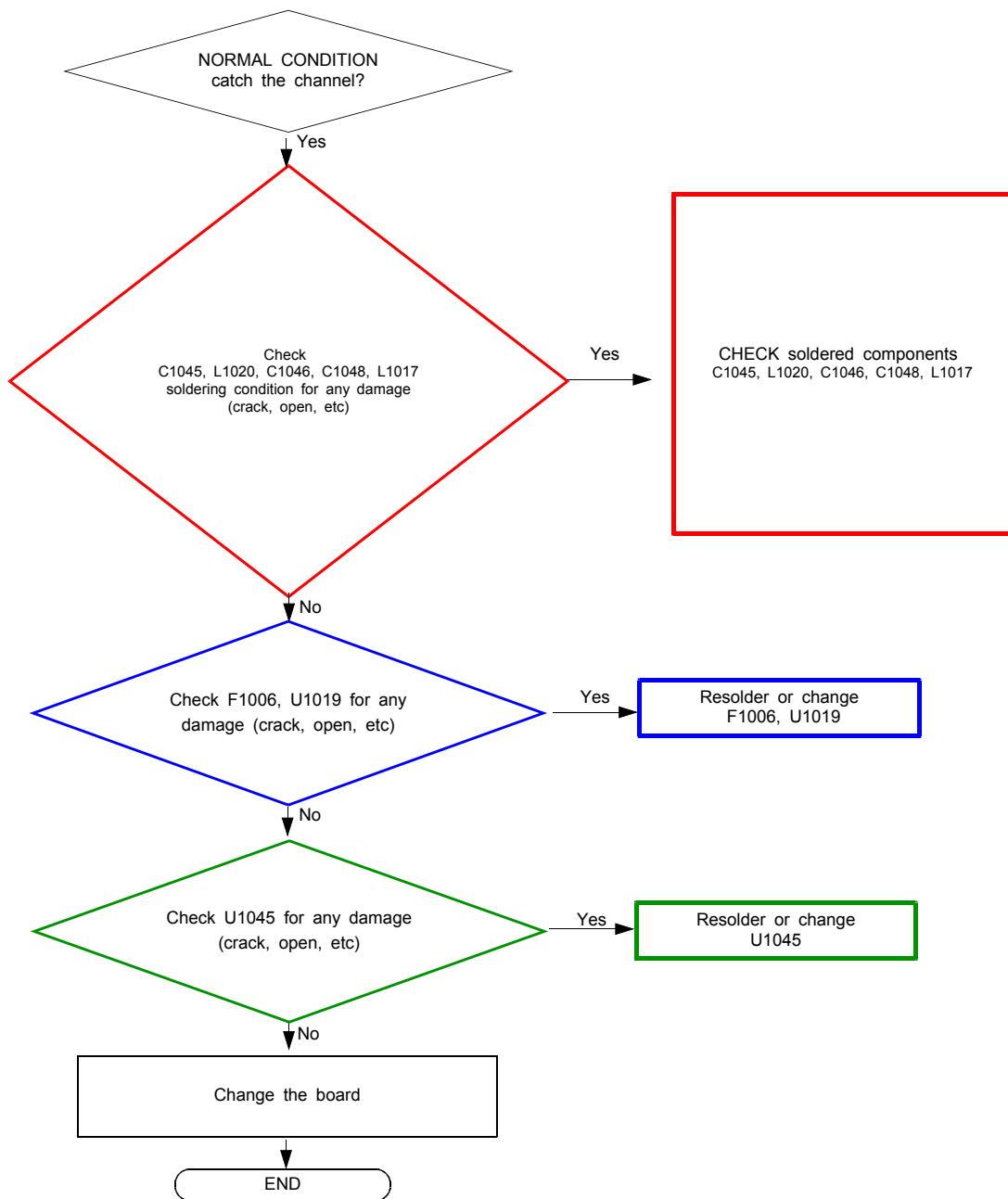


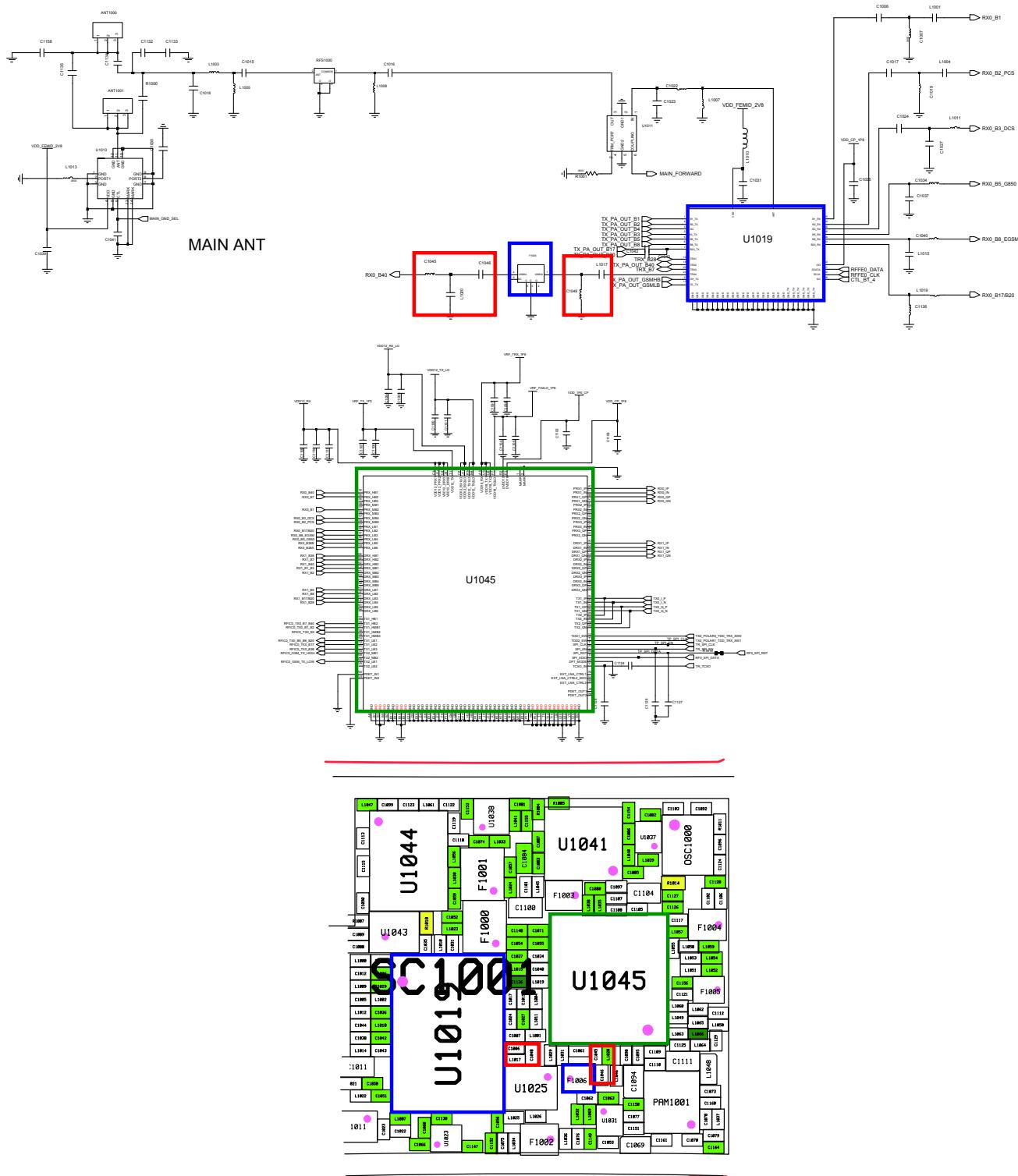


B7/B40 HIGH-BAND PA

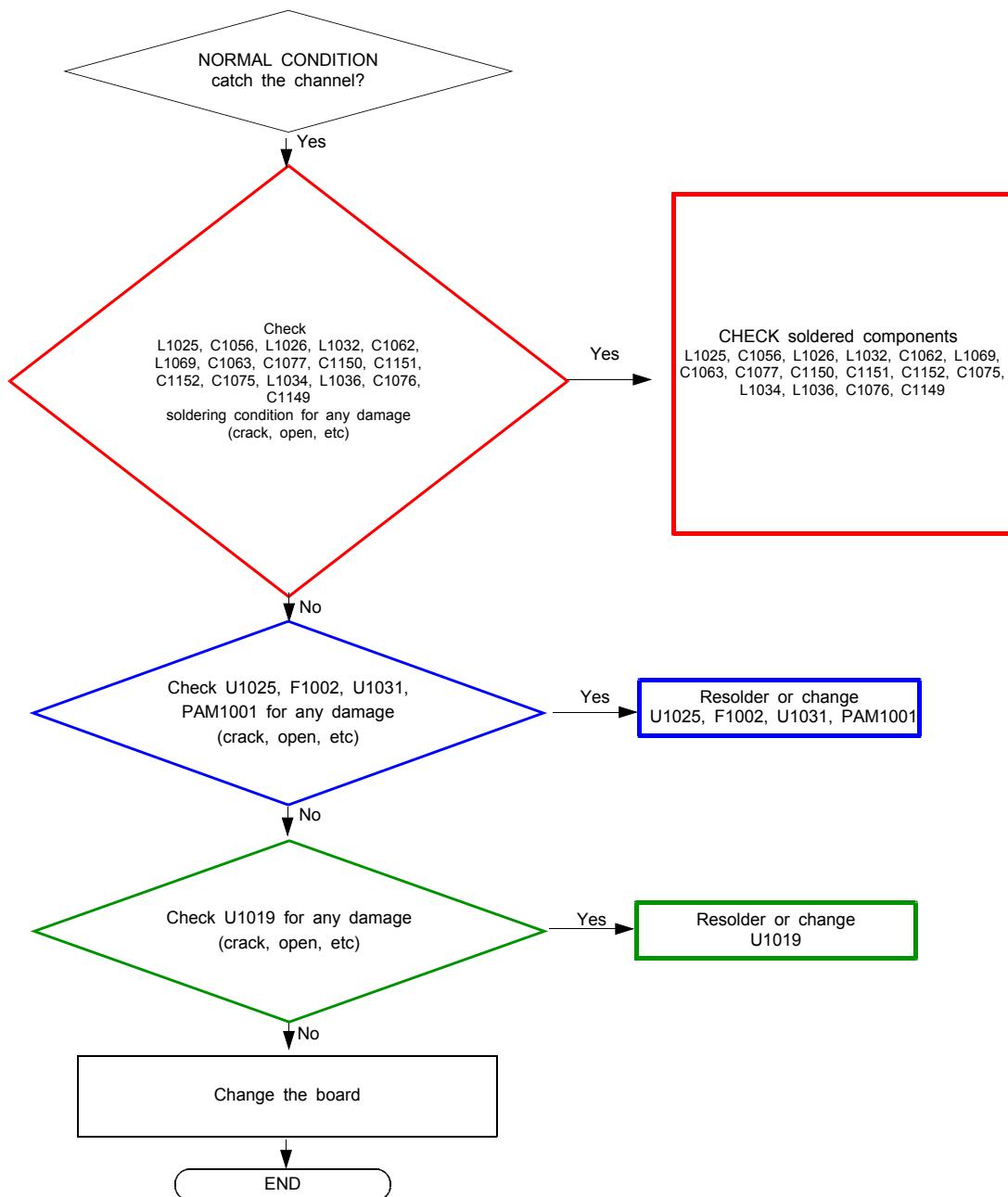


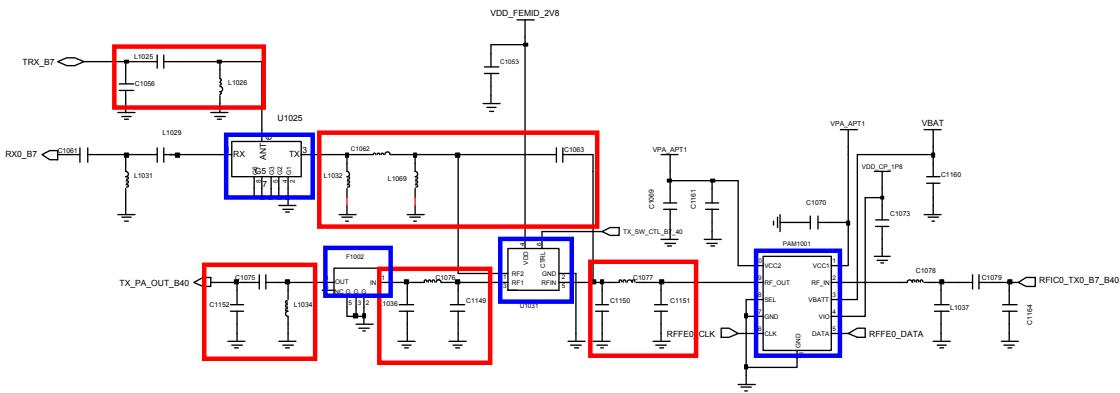
8-4-22. LTE BAND 40 RX



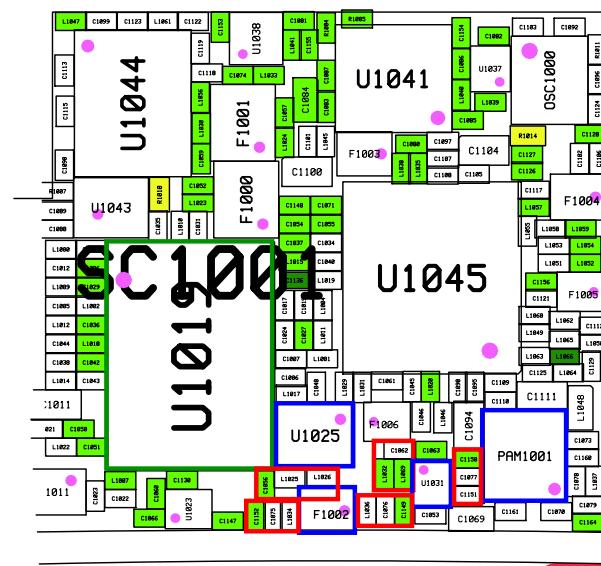
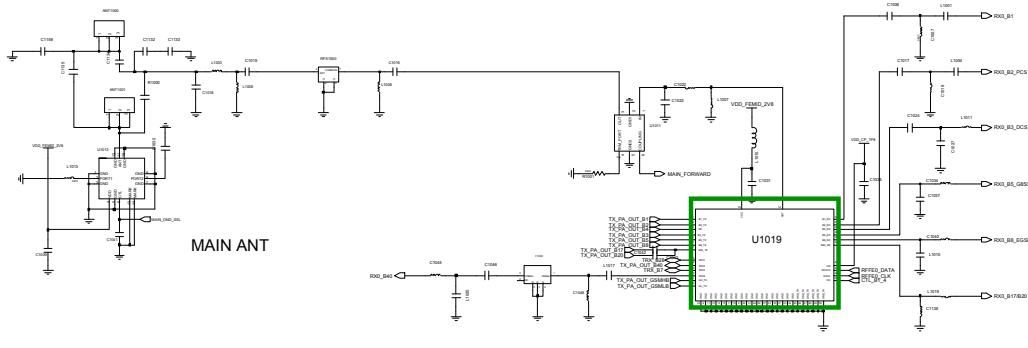


8-4-22. LTE BAND 7,40 TX





B7/B40 HIGH-BAND PA



8-5. Service Schematics

- NC point(Top view)

UCP3000(AP)

