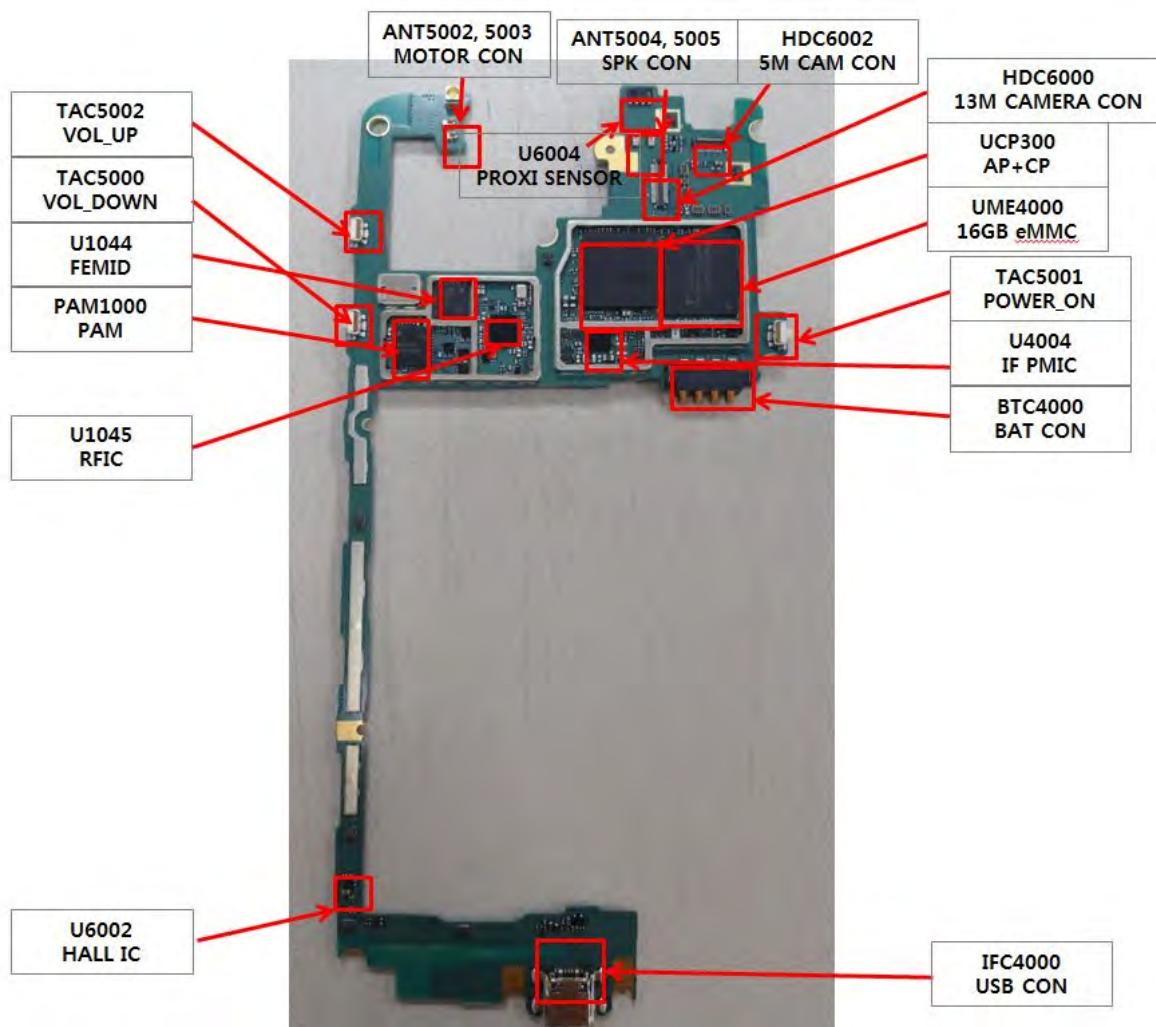
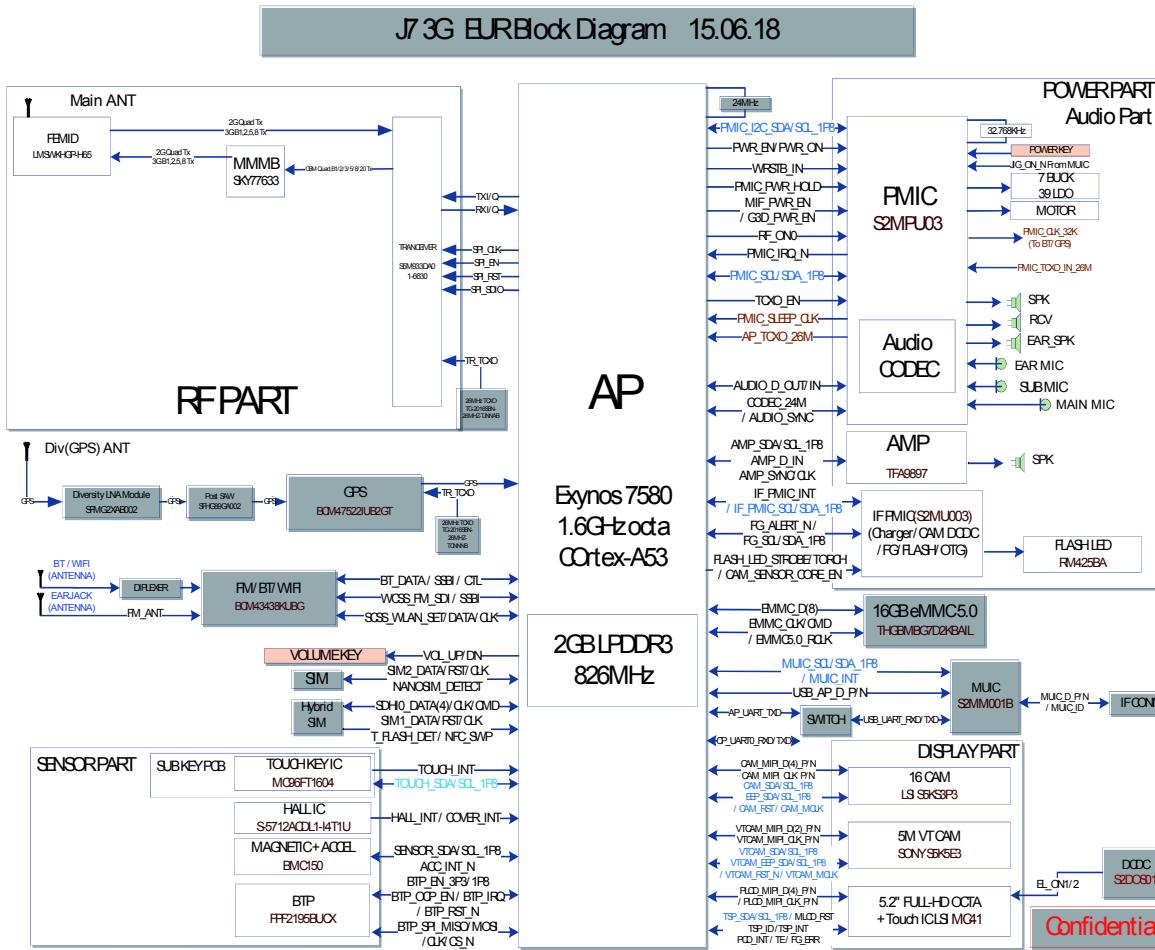


## 8. Level 3 Repair

### 8-1. Components Layout

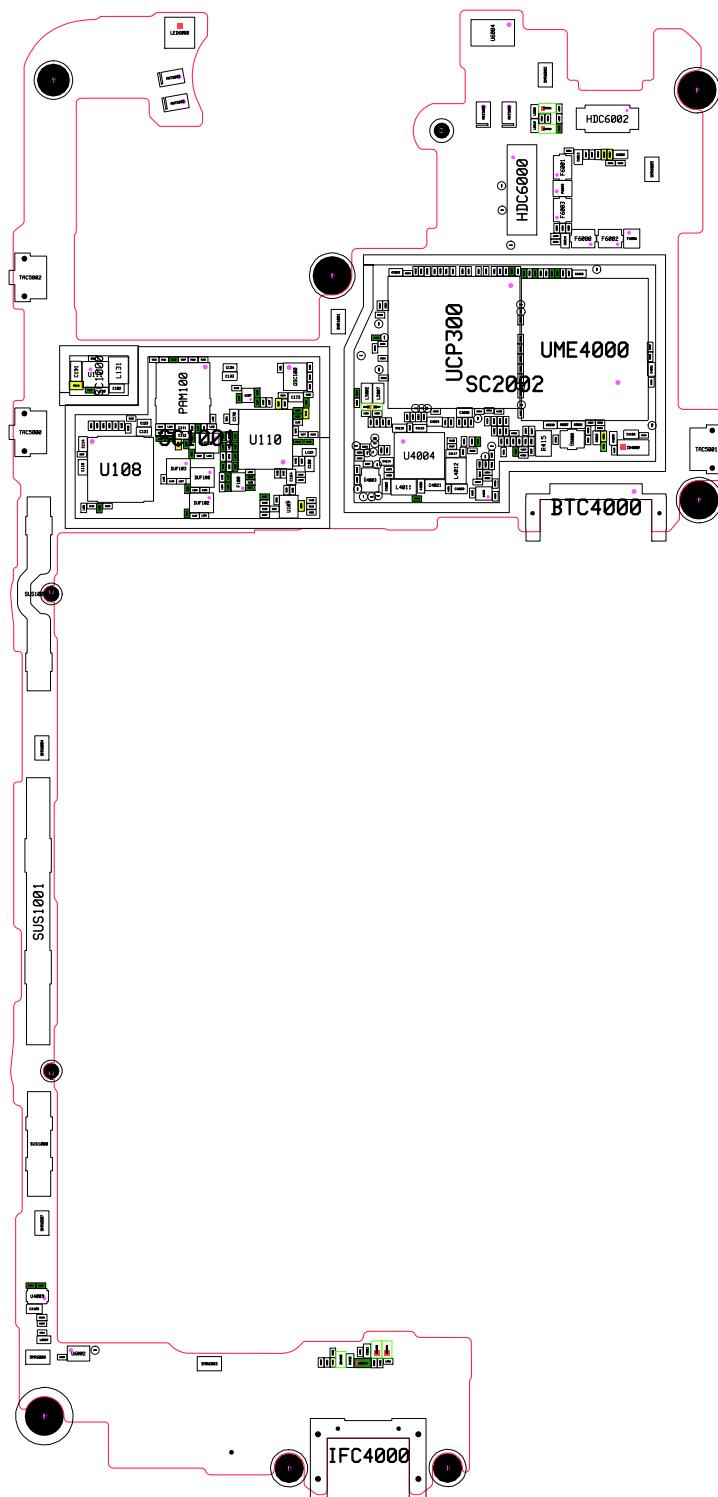


## 8-2. Block Diagram

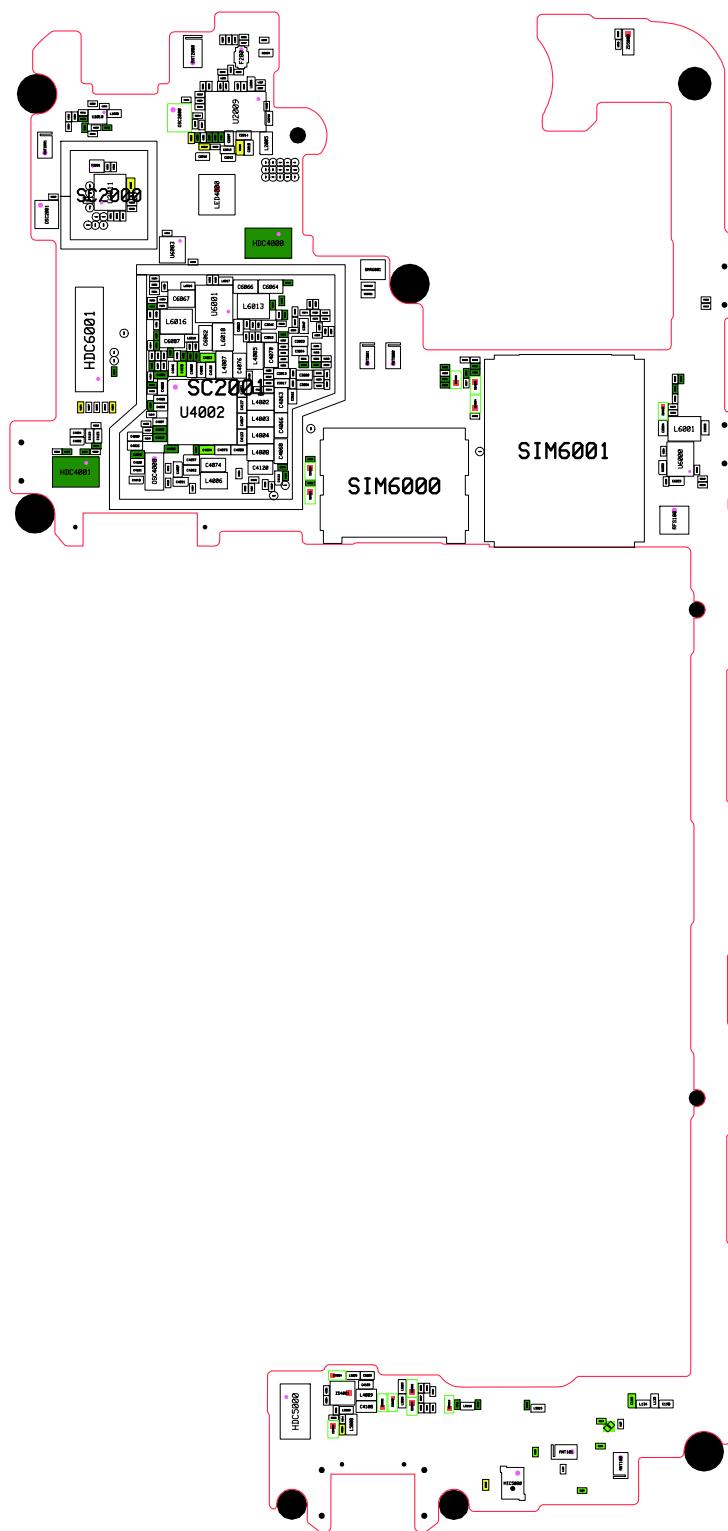


## 8-3. PCB Diagrams

## 8-3-1. Top

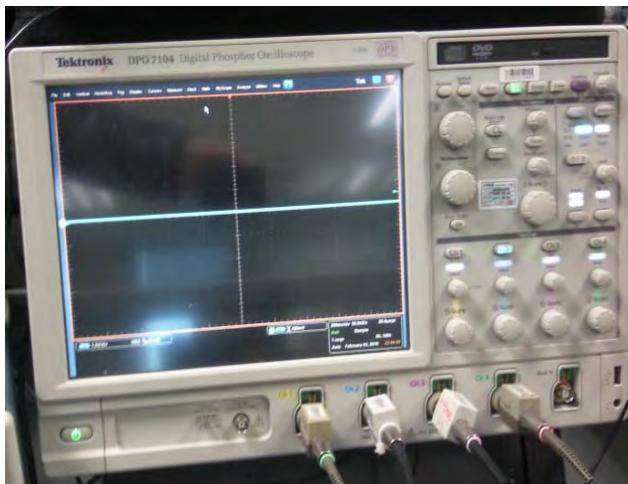


## 8-3-2. Bottom



## 8-4. Flow Chart of Troubleshooting

## Equipments



↑ Oscilloscope



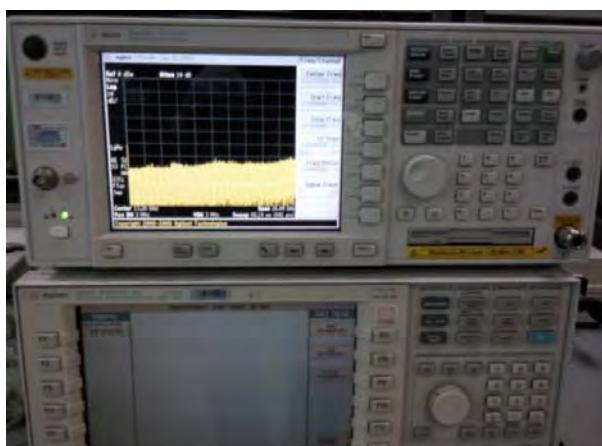
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

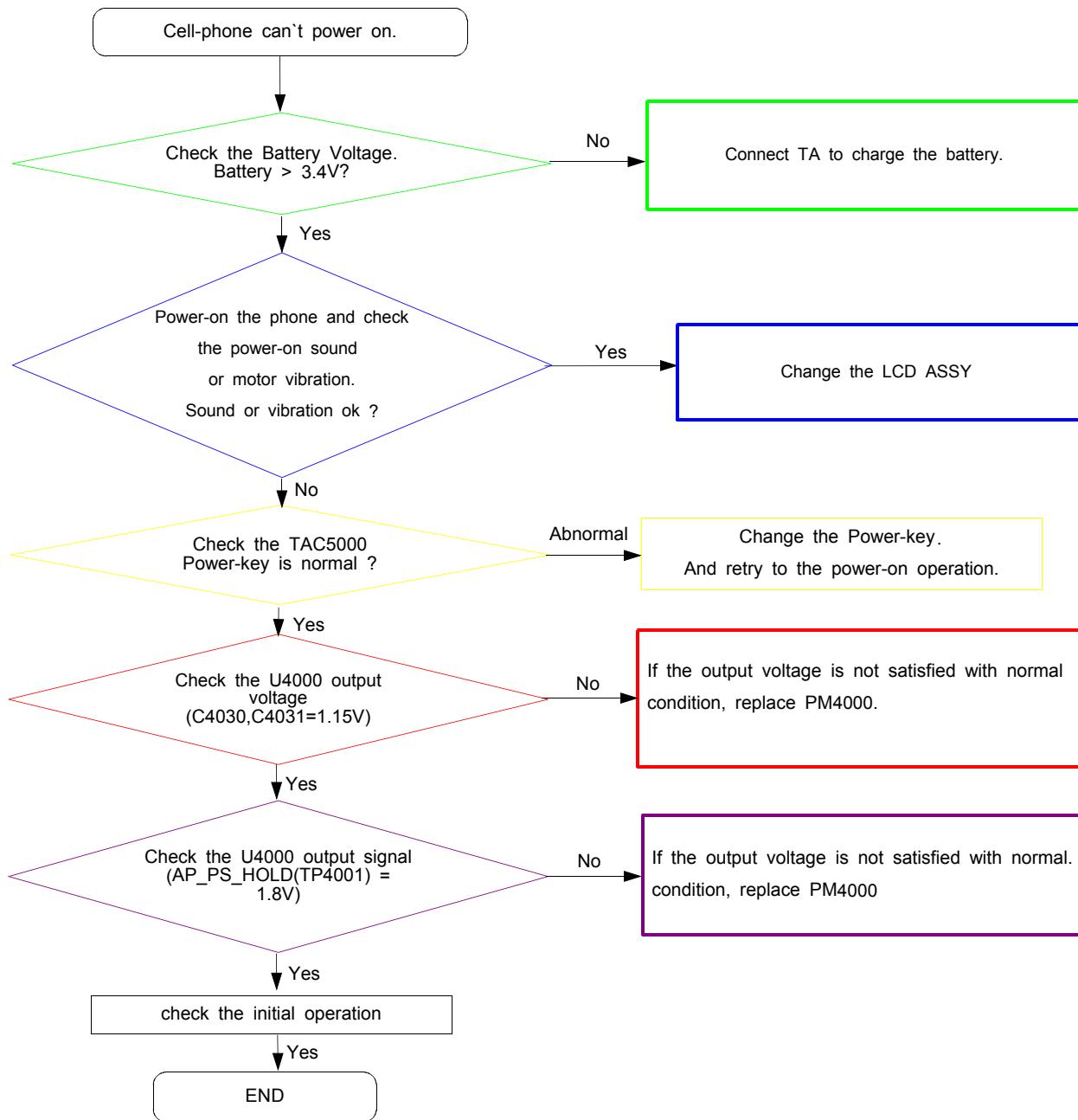


↑ 8960 &amp; Spectrum Analyzer

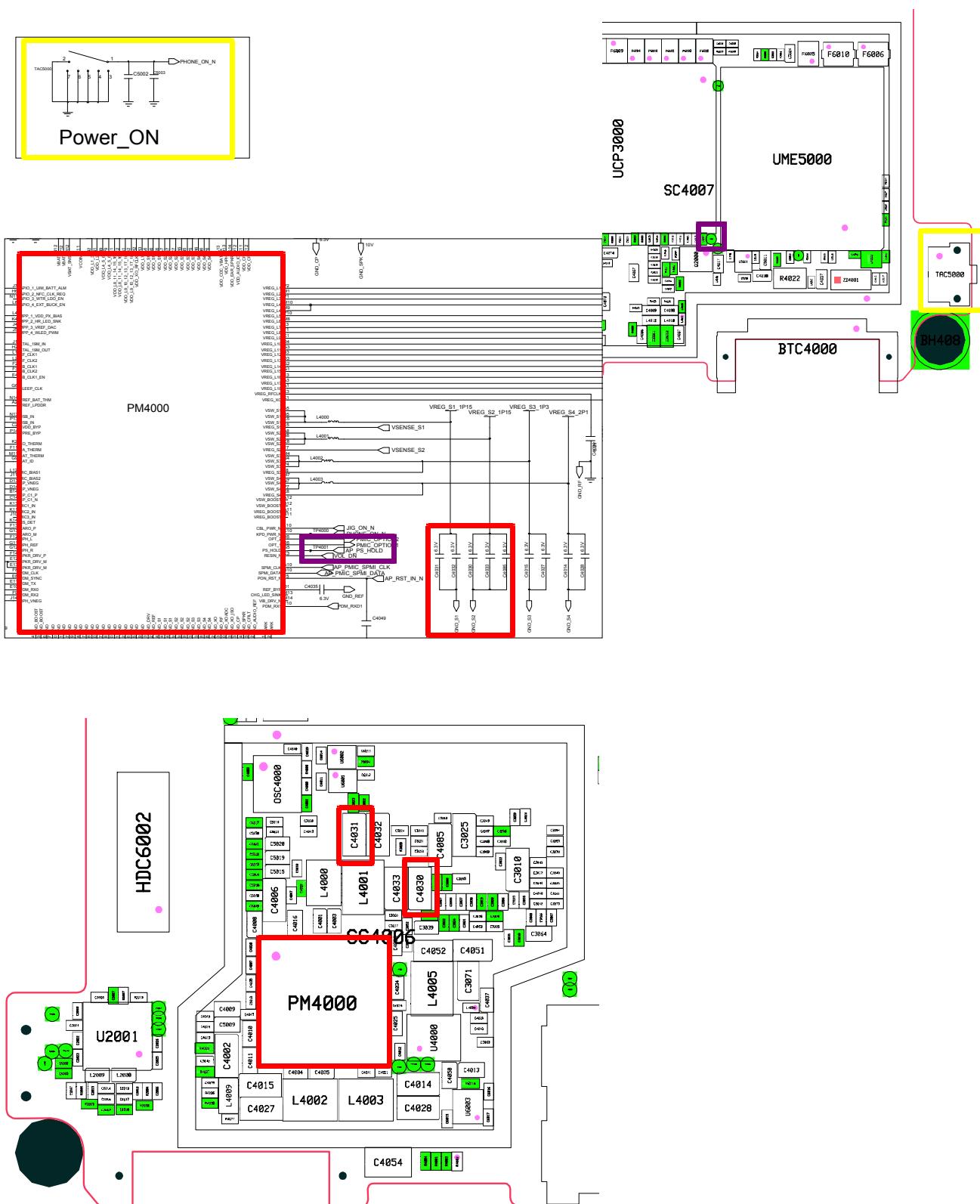


↑ Soldering iron

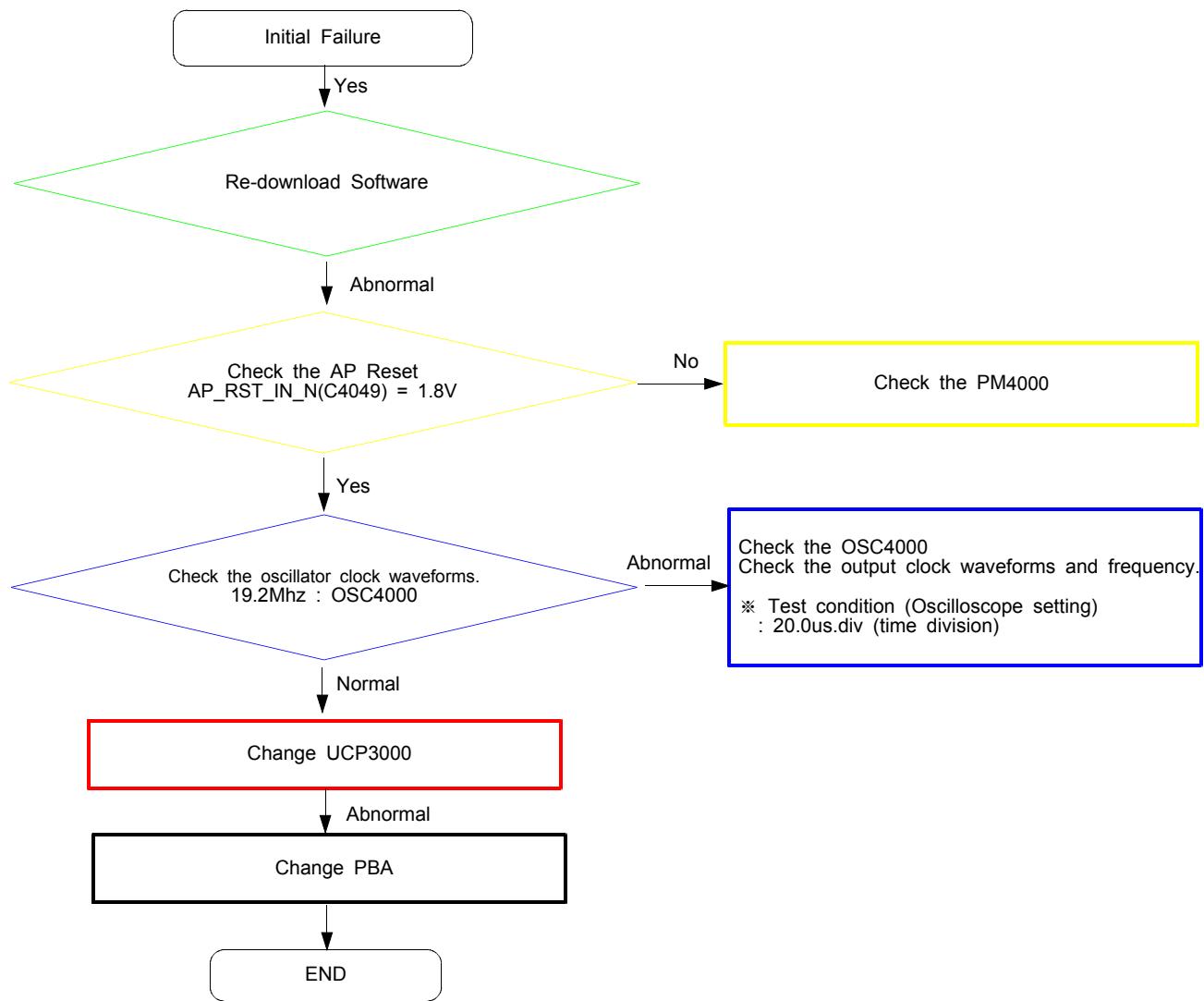
## 8-4-1. Power On

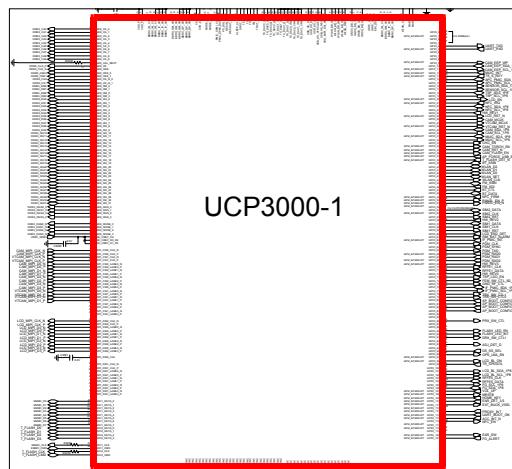
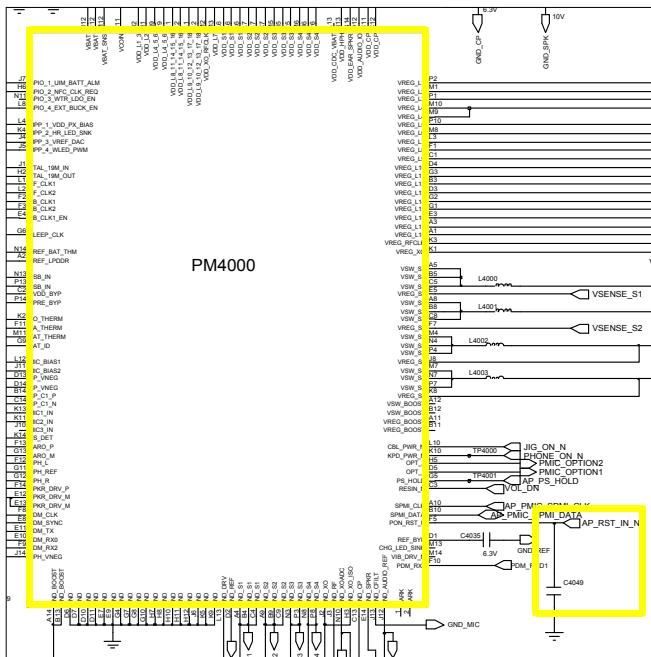


## Level 3 Repair

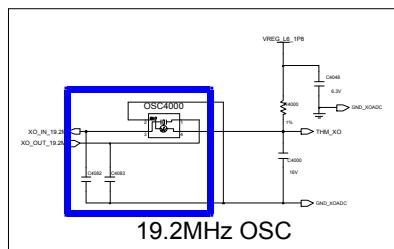


## 8-4-2. Initial

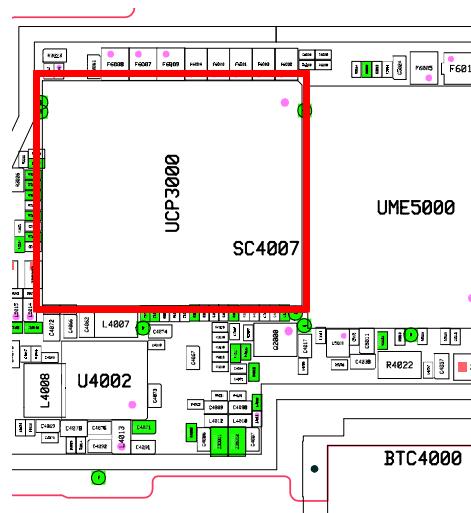
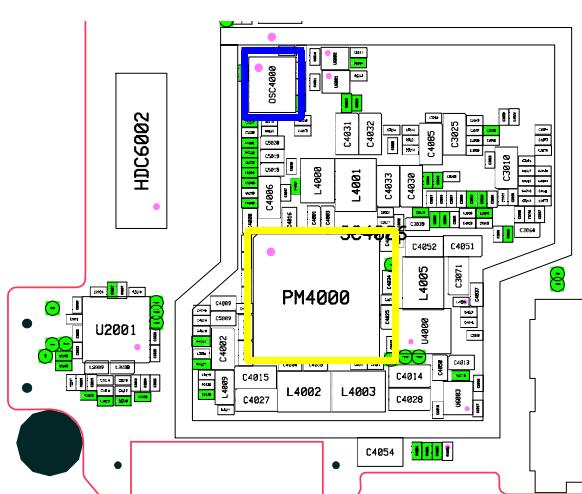




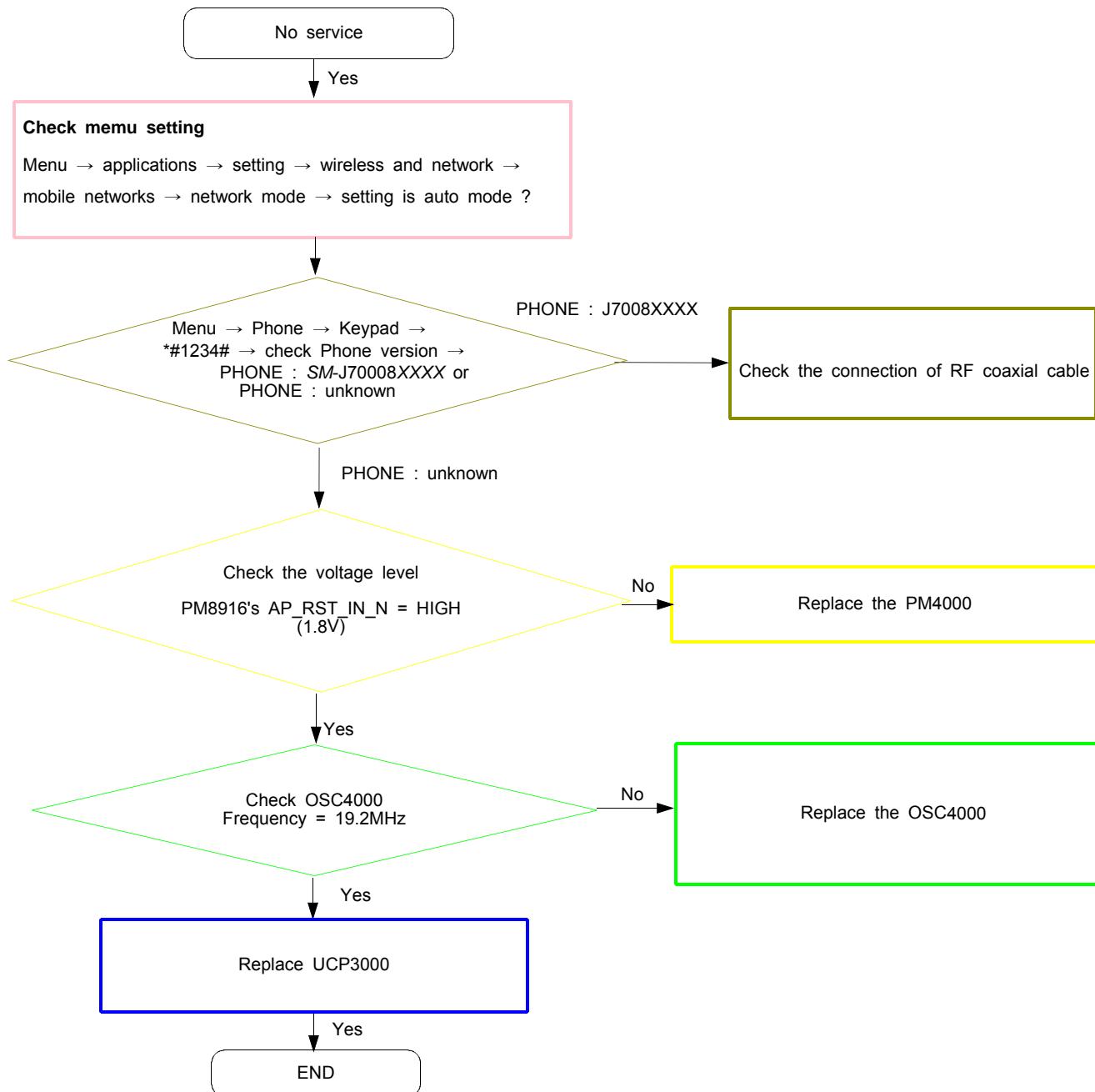
UCP3000-1



19.2MHz OSC

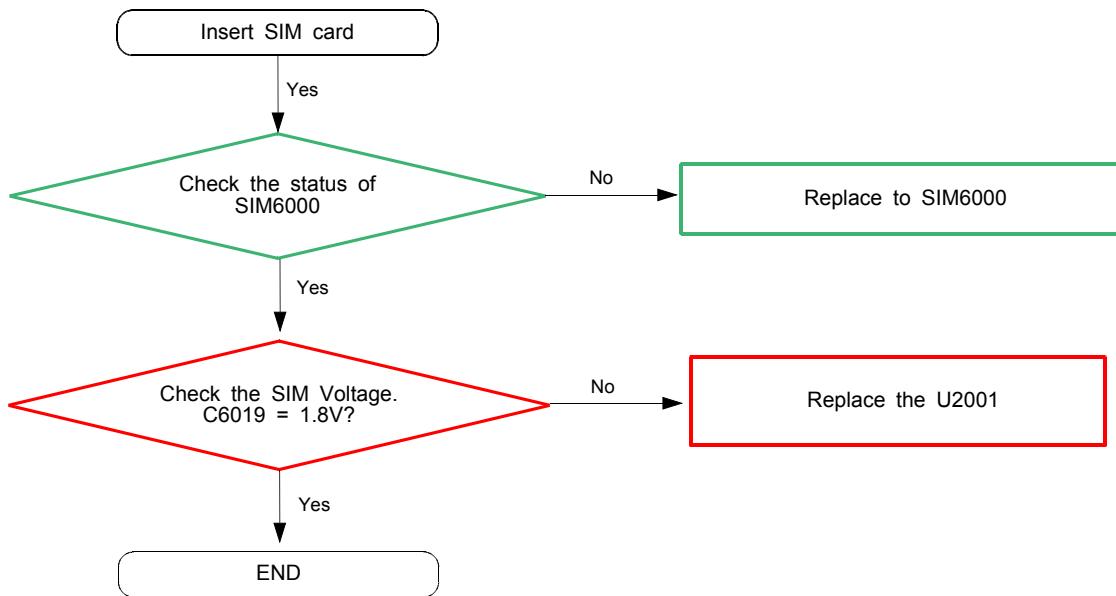


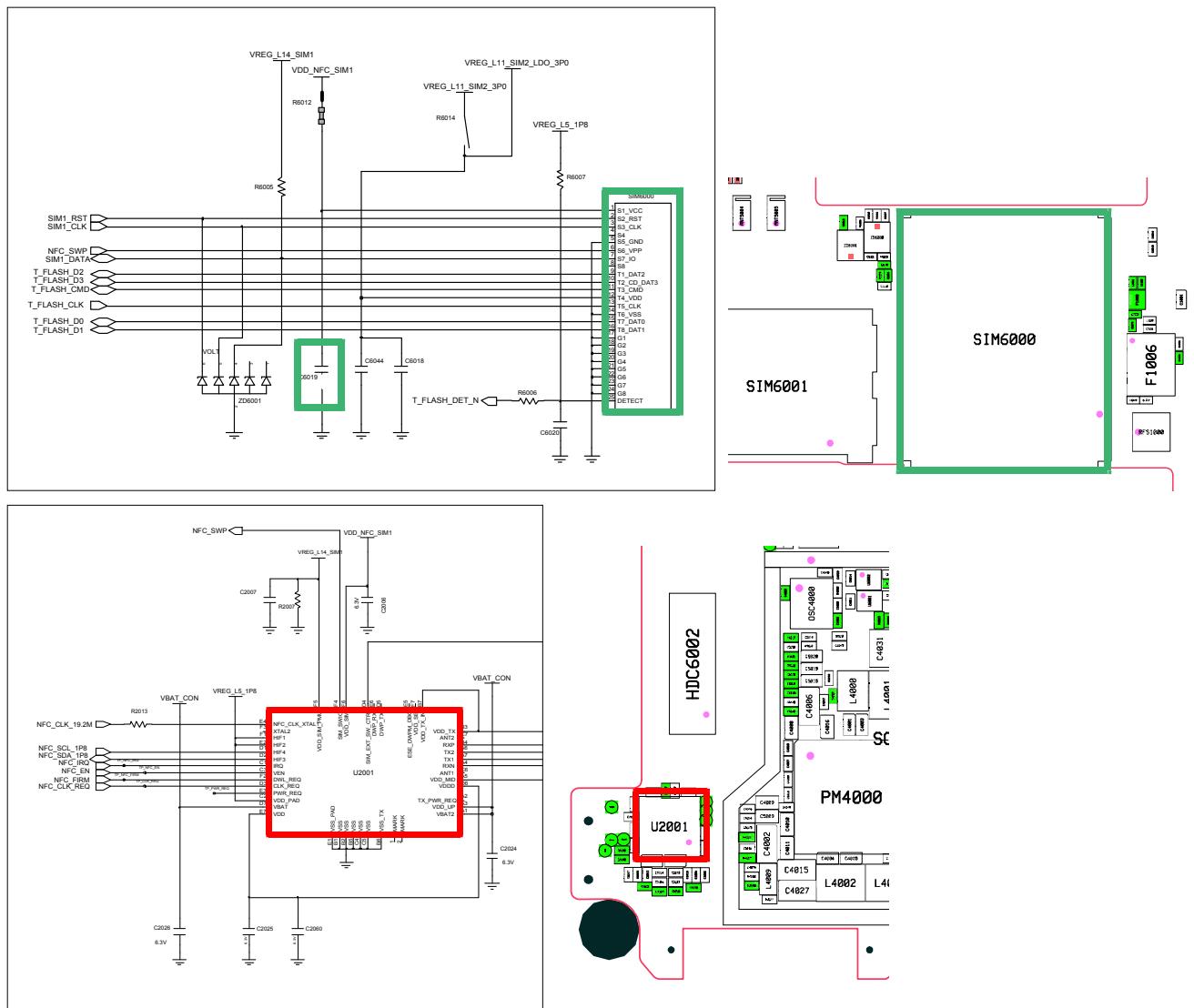
## 8-4-3. No Service



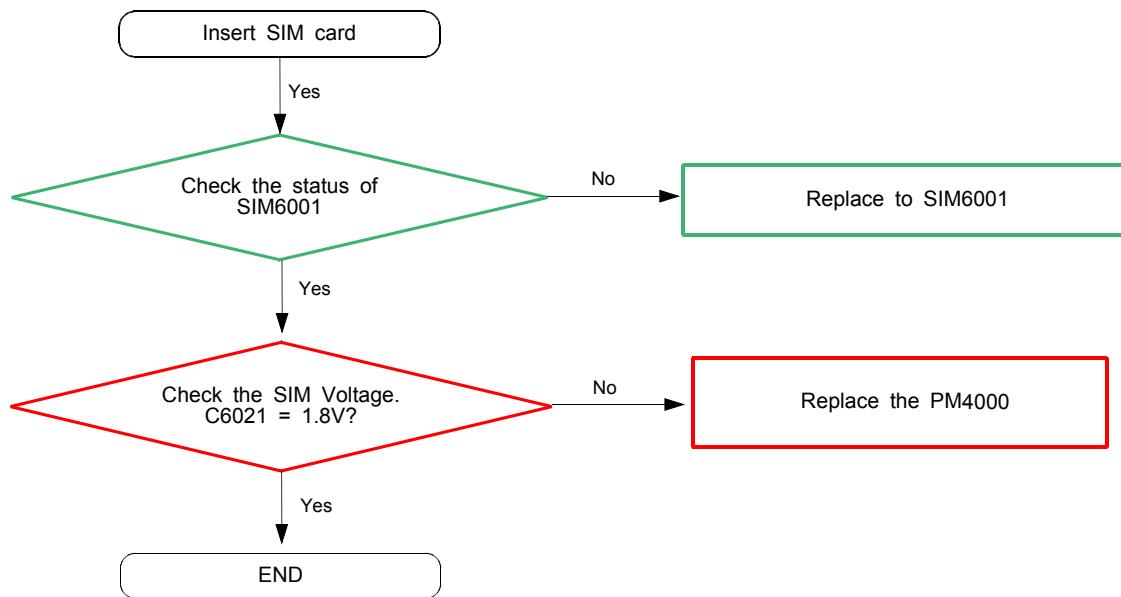
\* Schematic : Refer to the 8-4-2 (Initial)

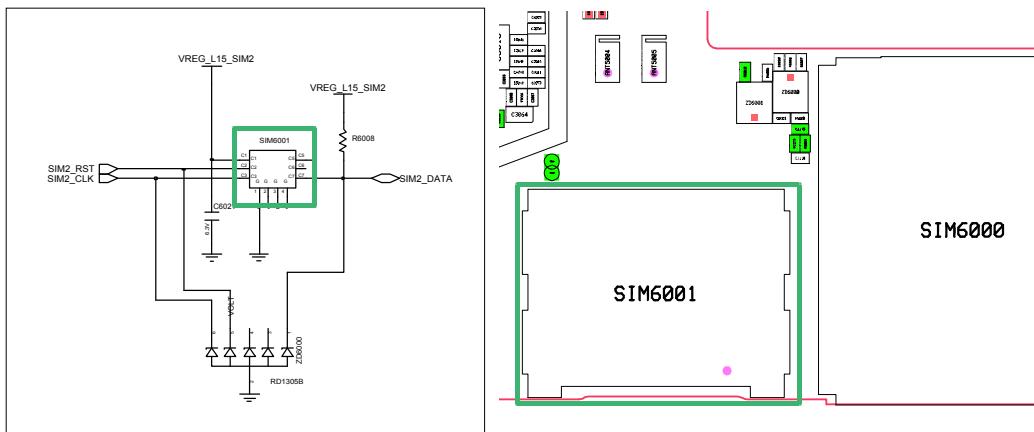
## 8-4-4. Sim Part - Sim Card 1



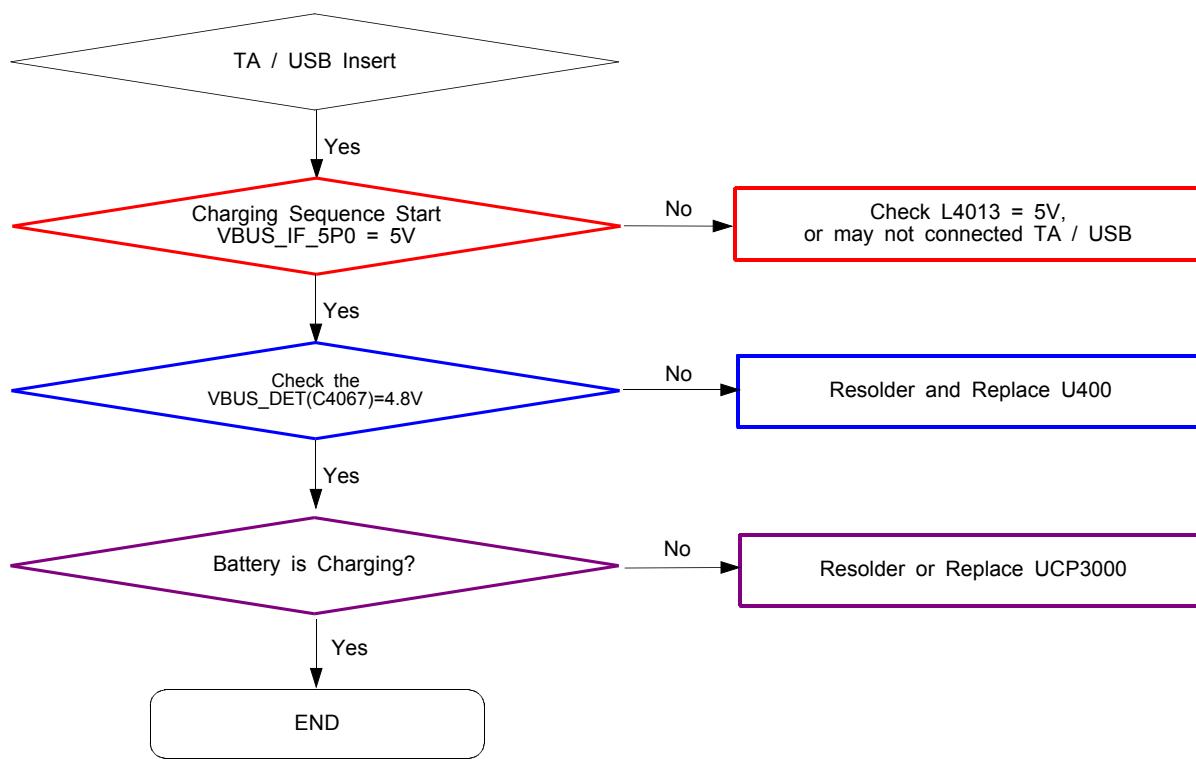


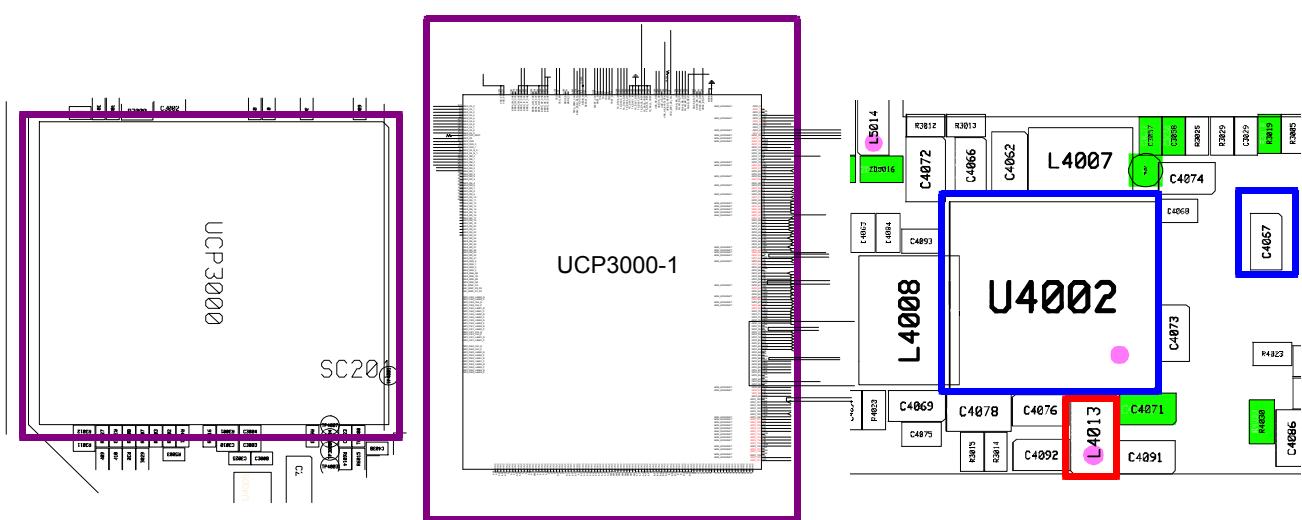
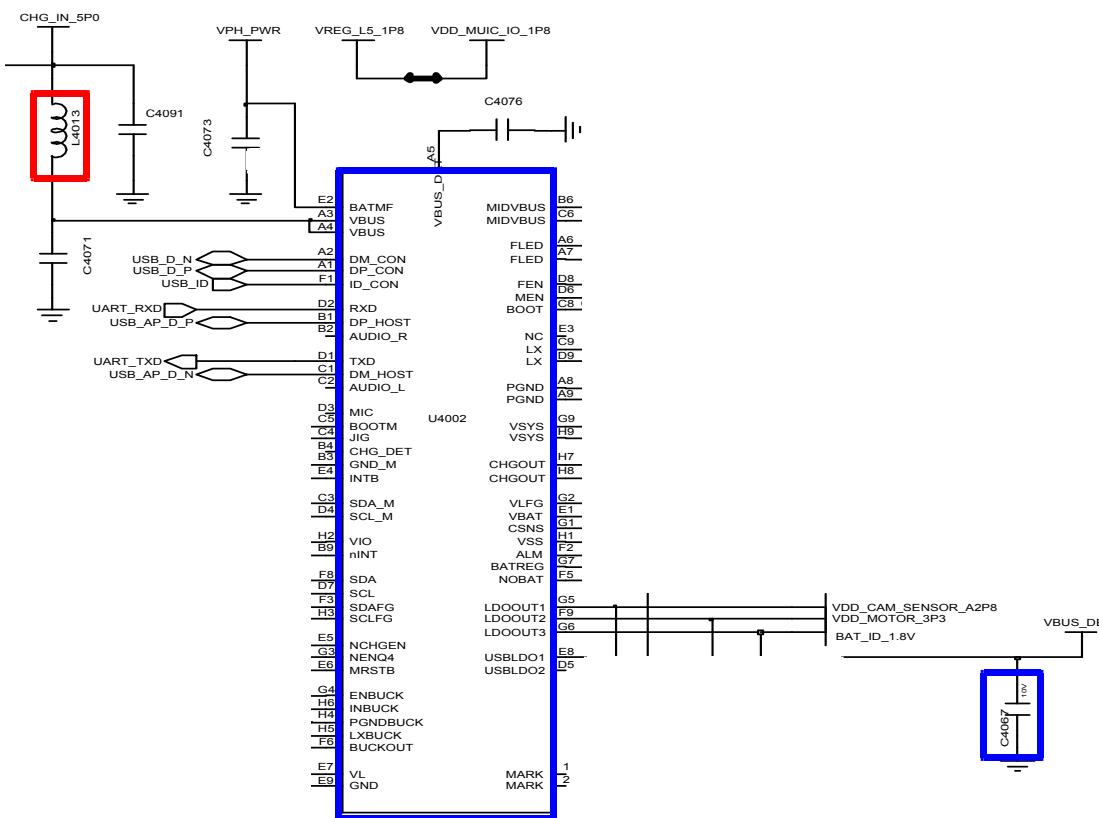
## 8-4-4. Sim Part - Sim Card 2



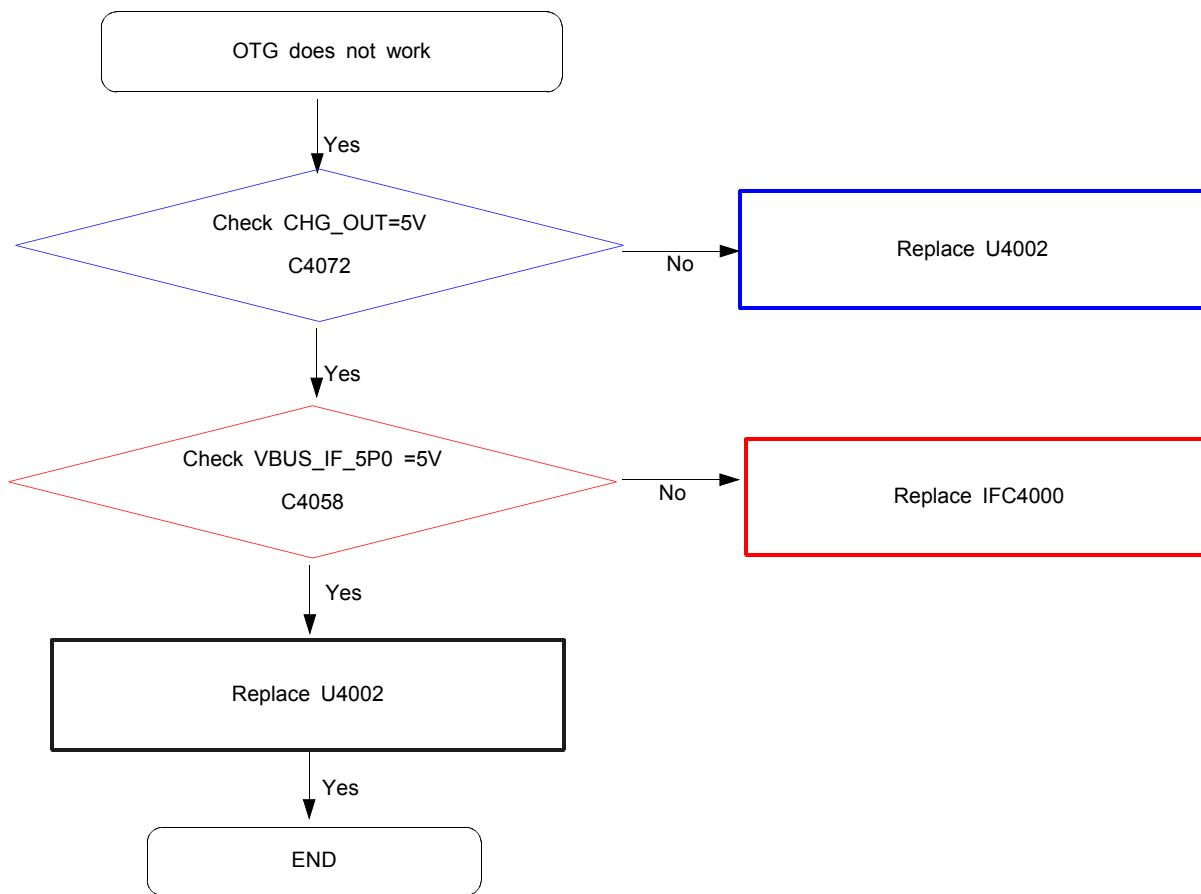


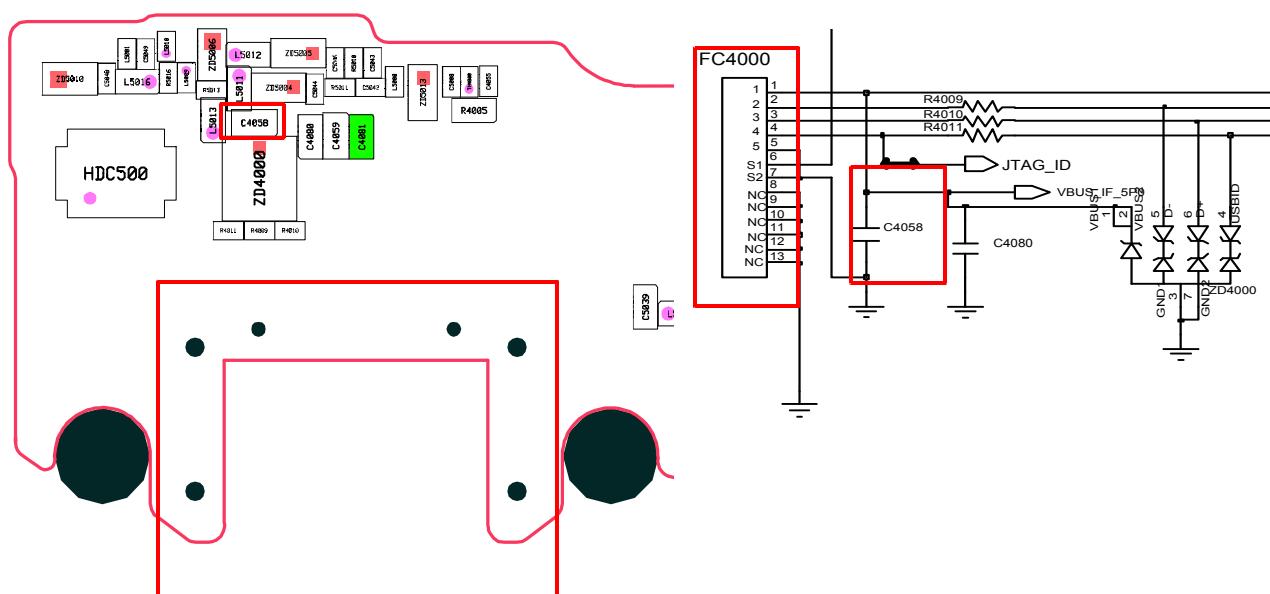
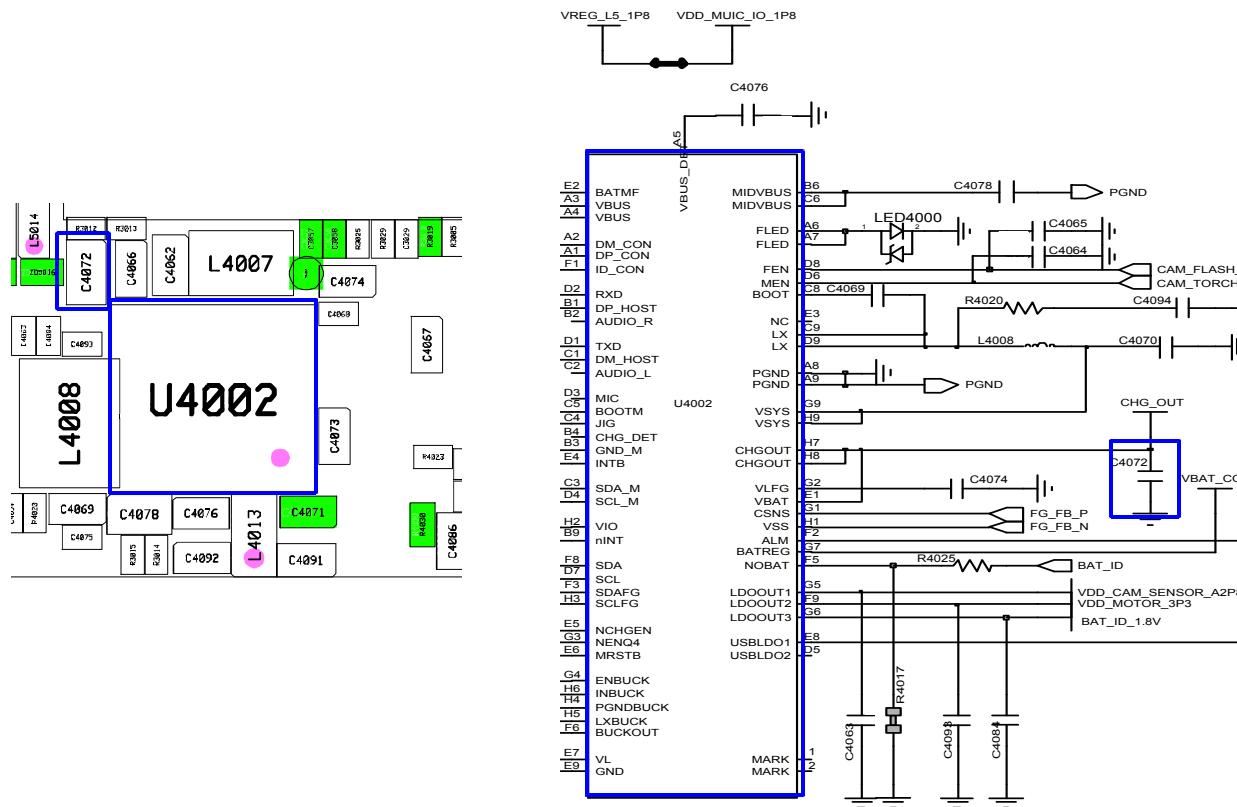
## 8-4-5. Charging Part



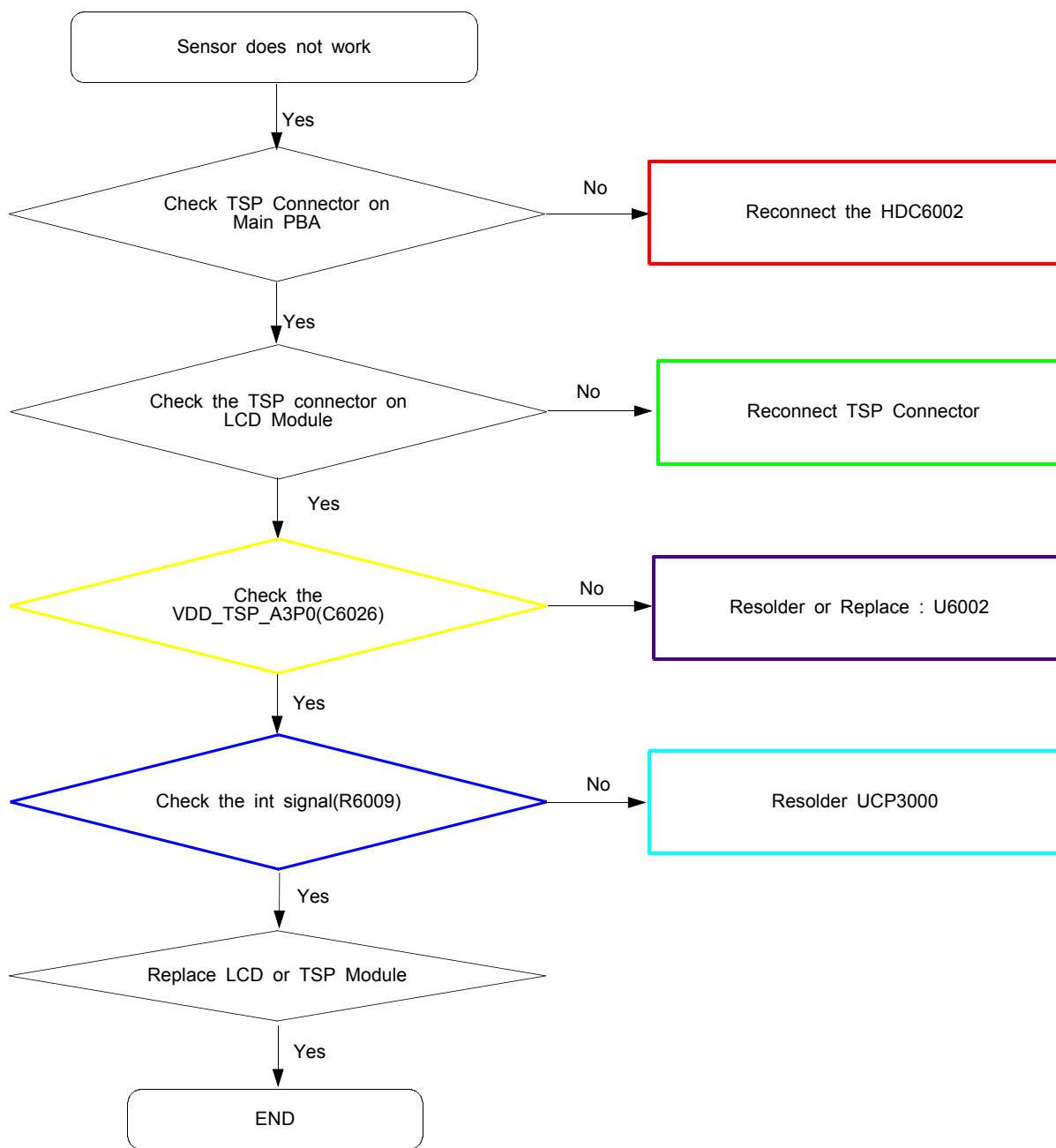


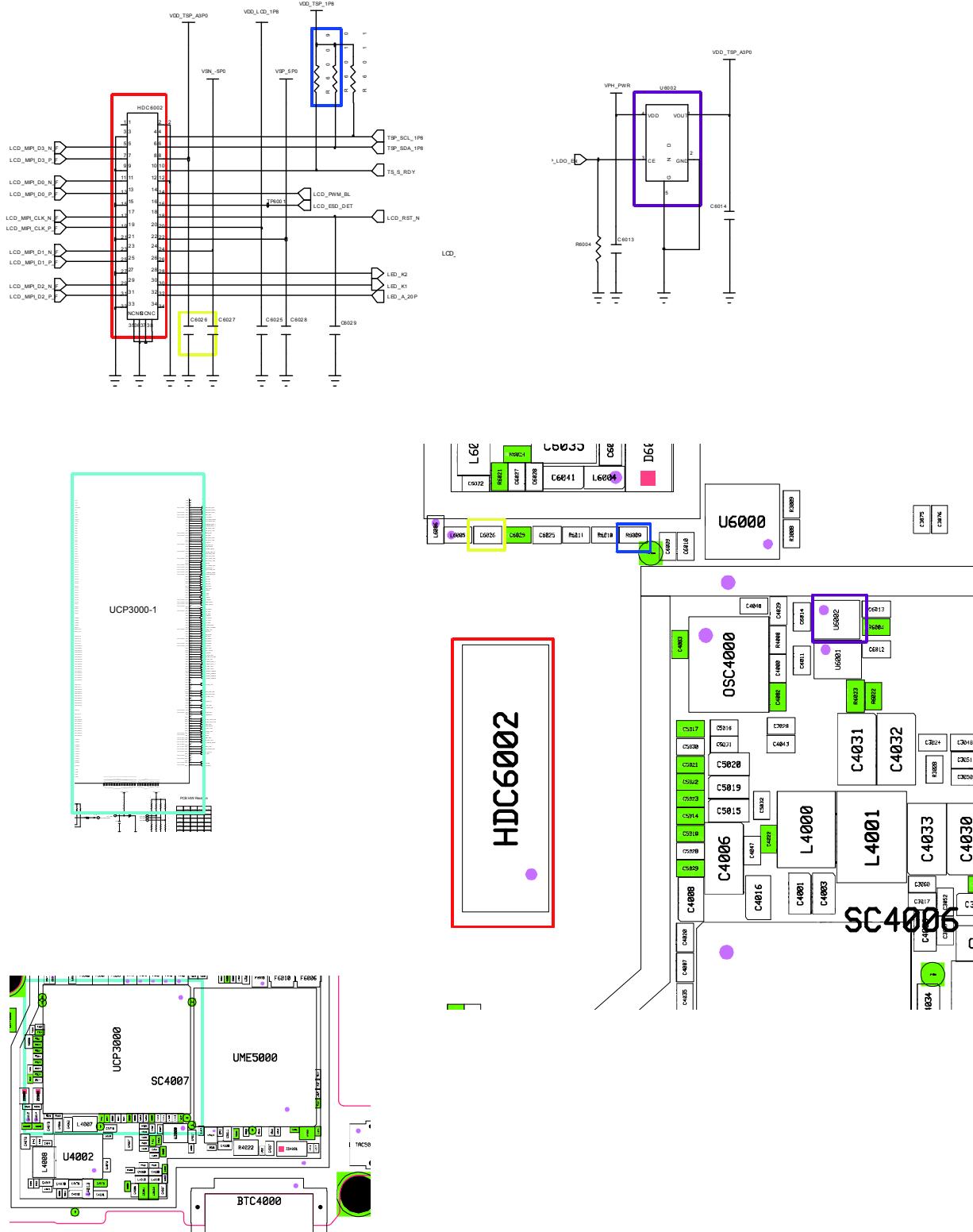
## 8-4-6. OTG



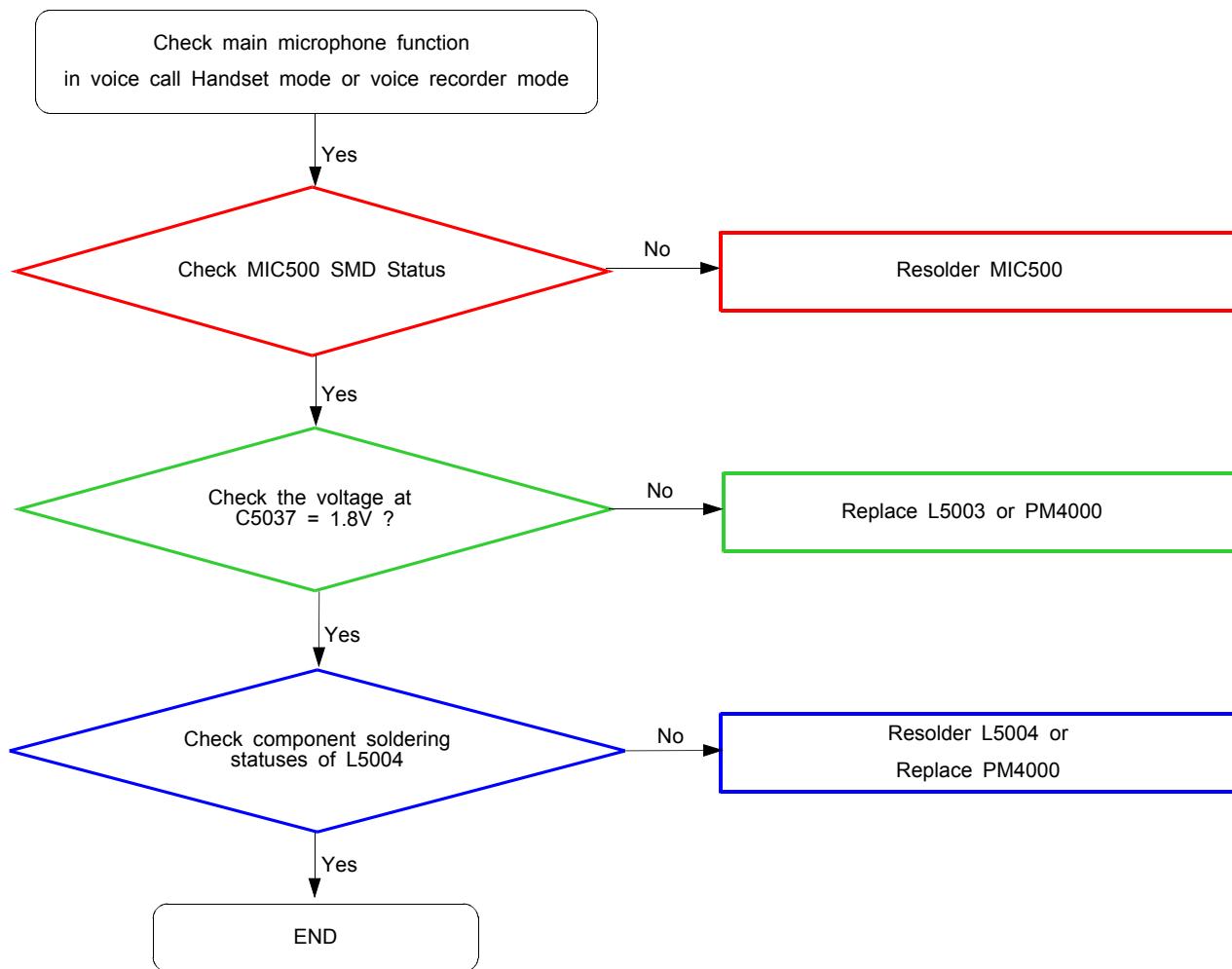


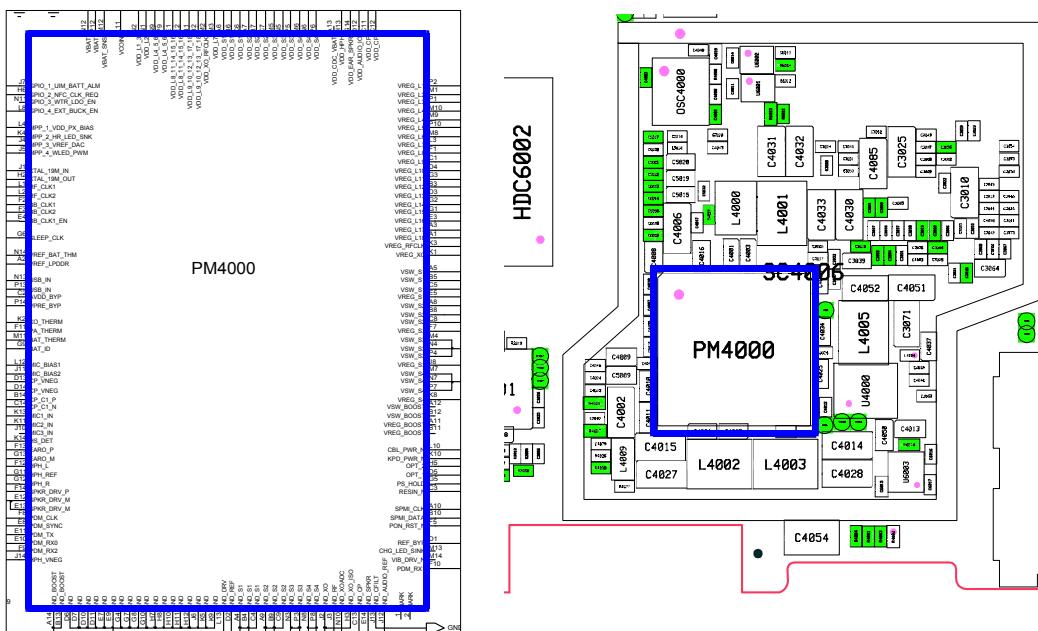
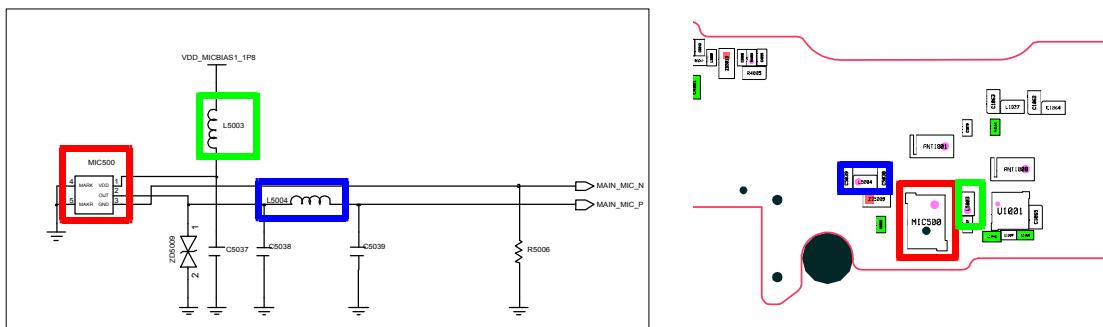
## 8-4-7. Proxy Sensor



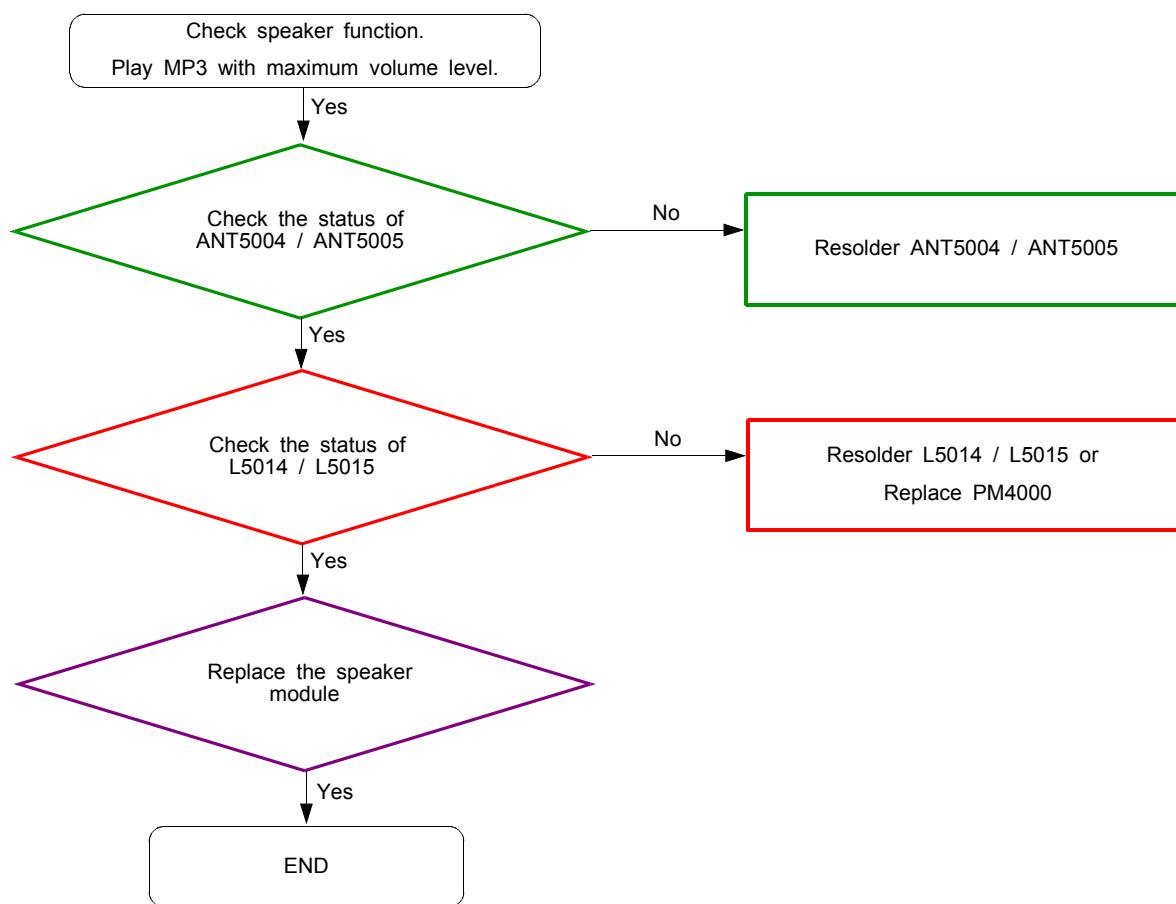


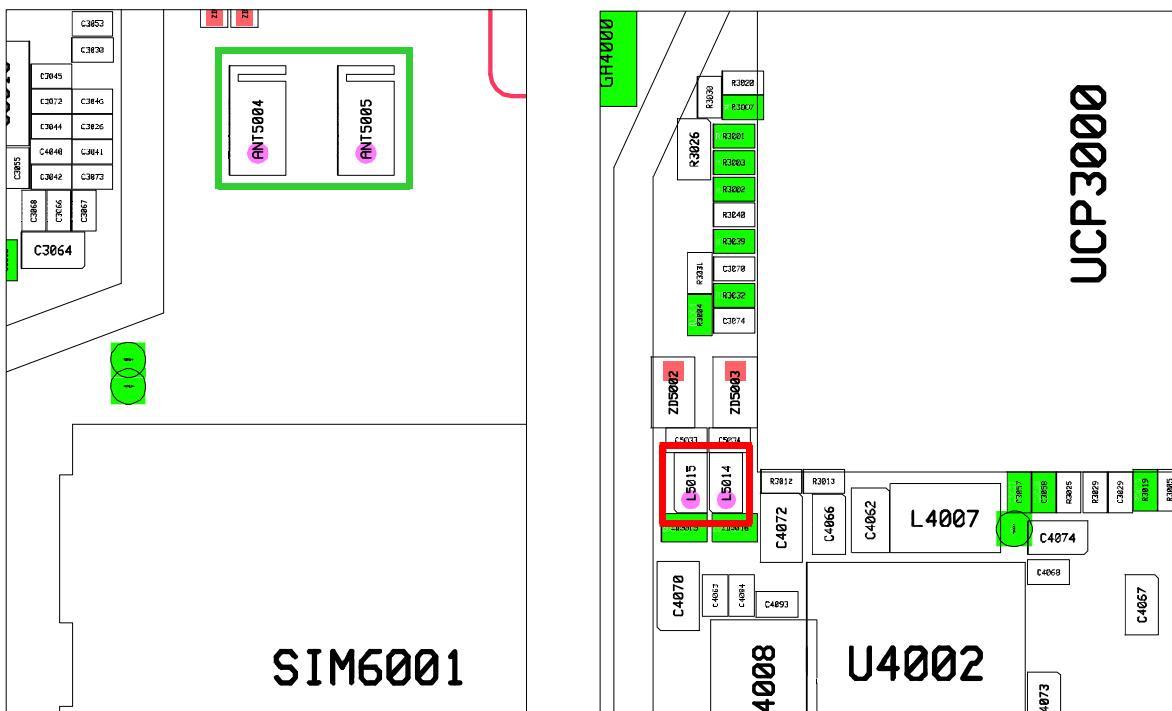
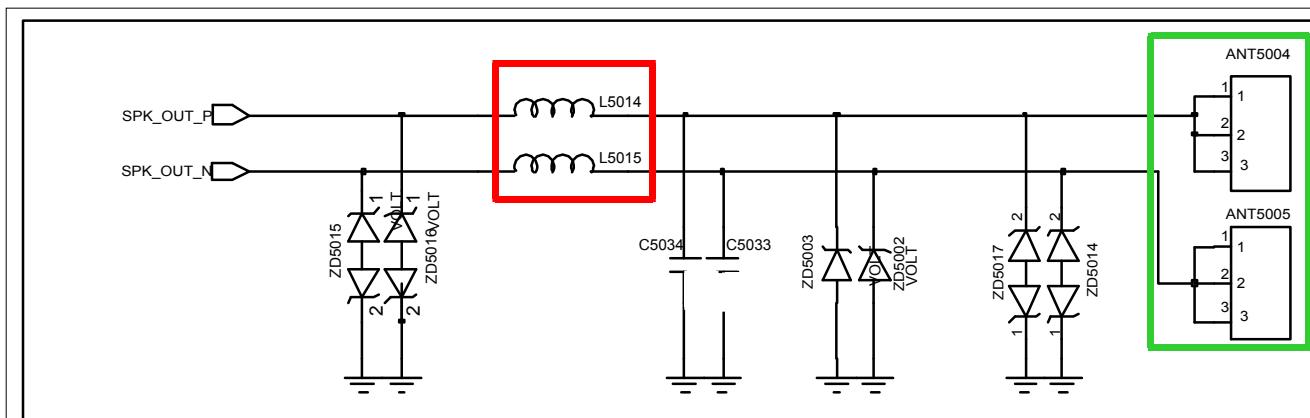
## 8-4-8 Microphone Part - Main MIC



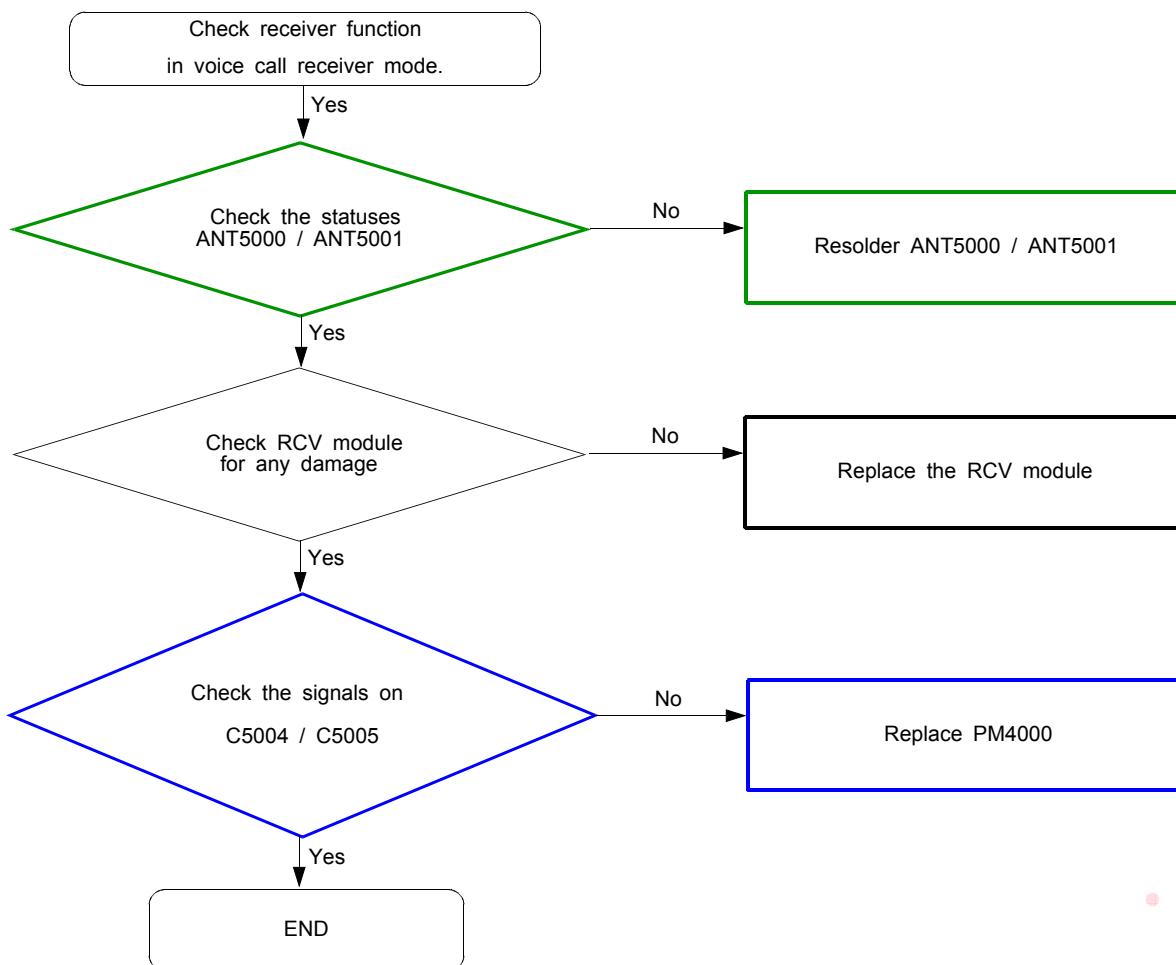


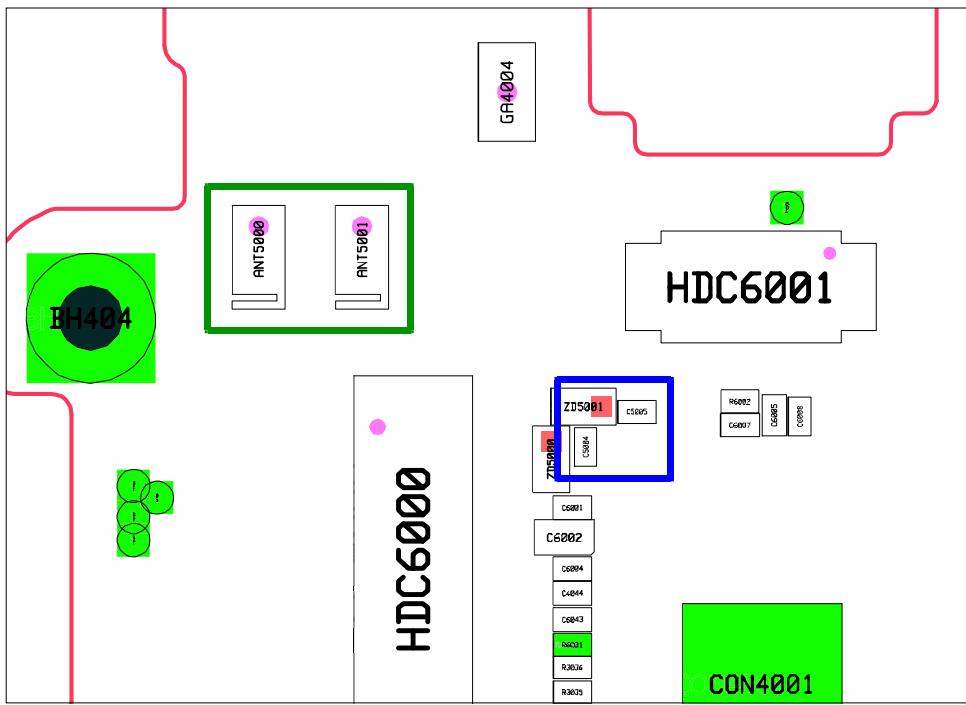
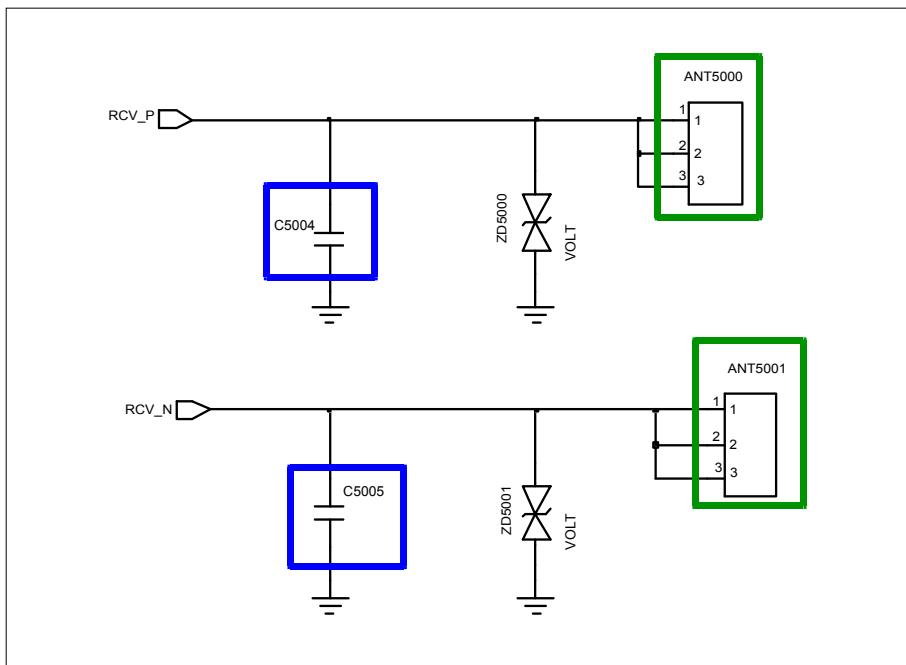
## 8-4-9. Speaker Part



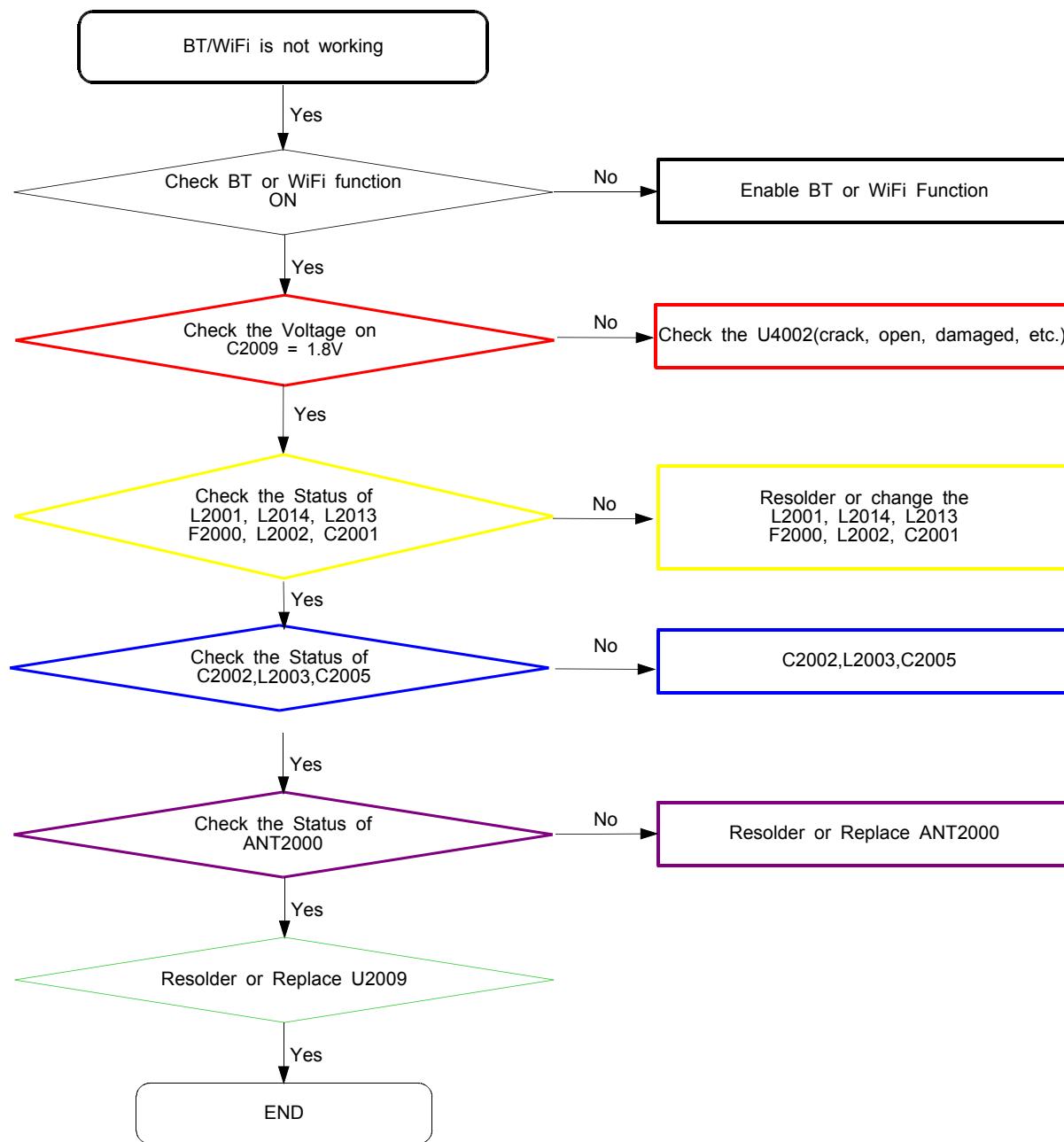


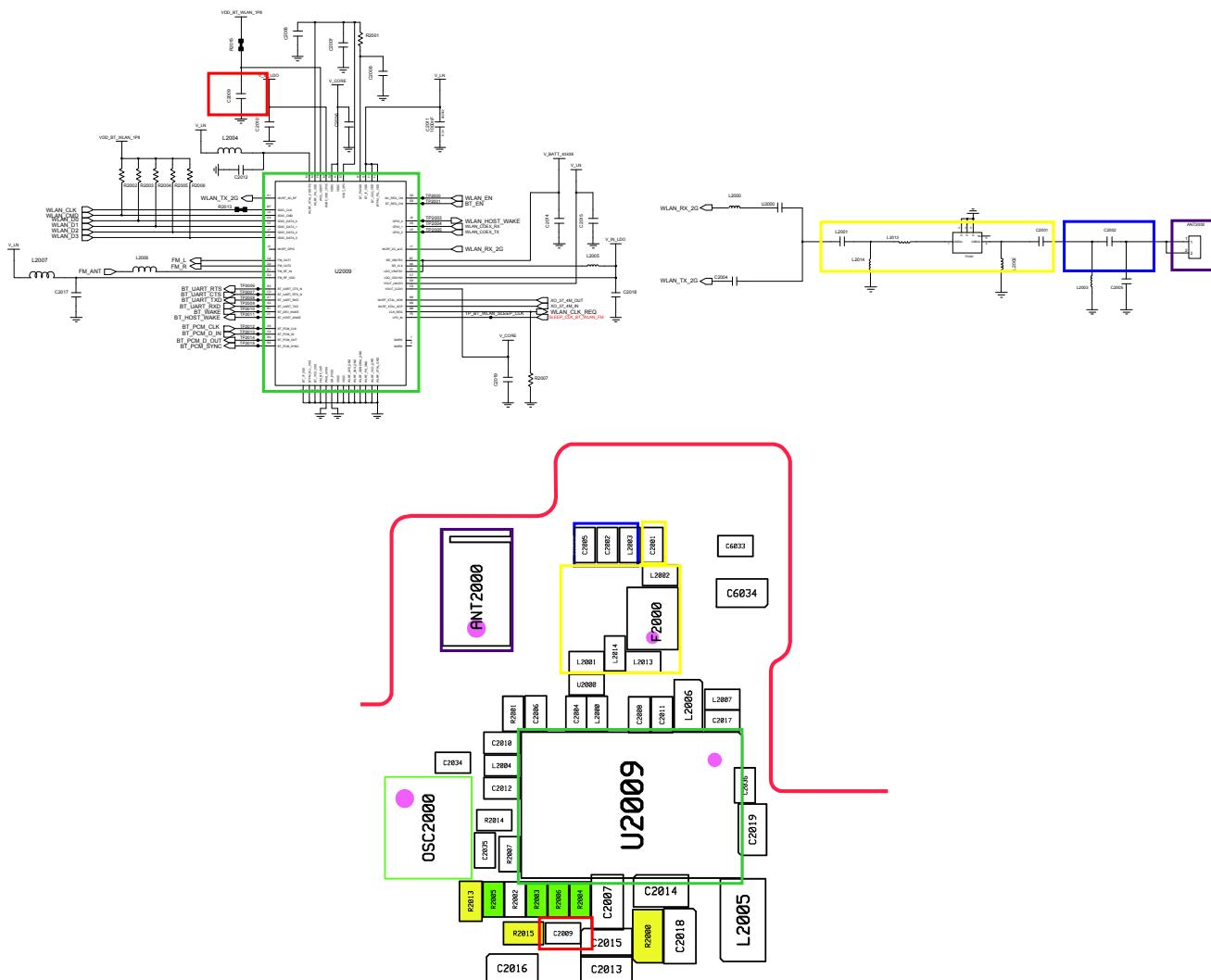
## 8-4-10. Receiver Part



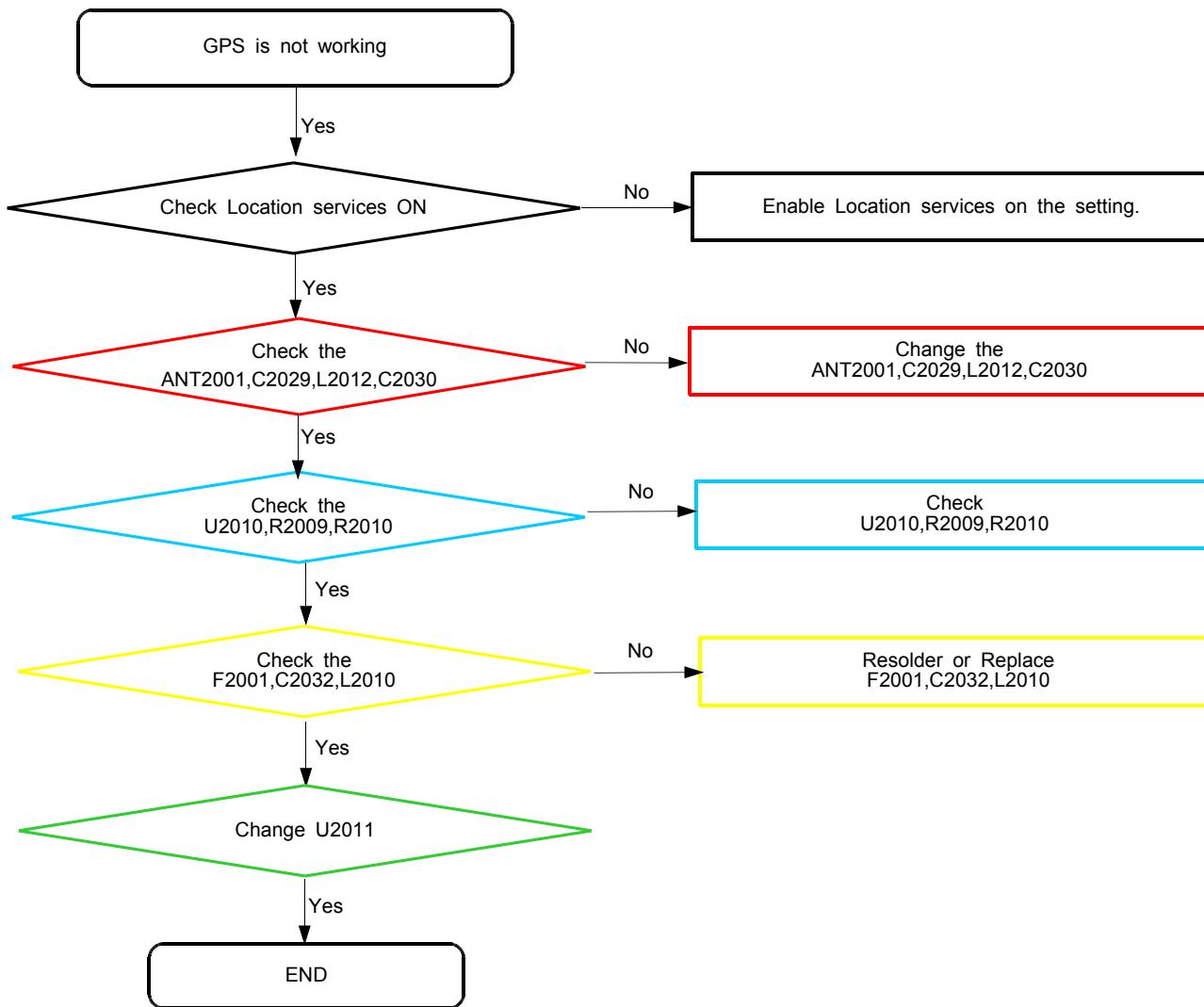


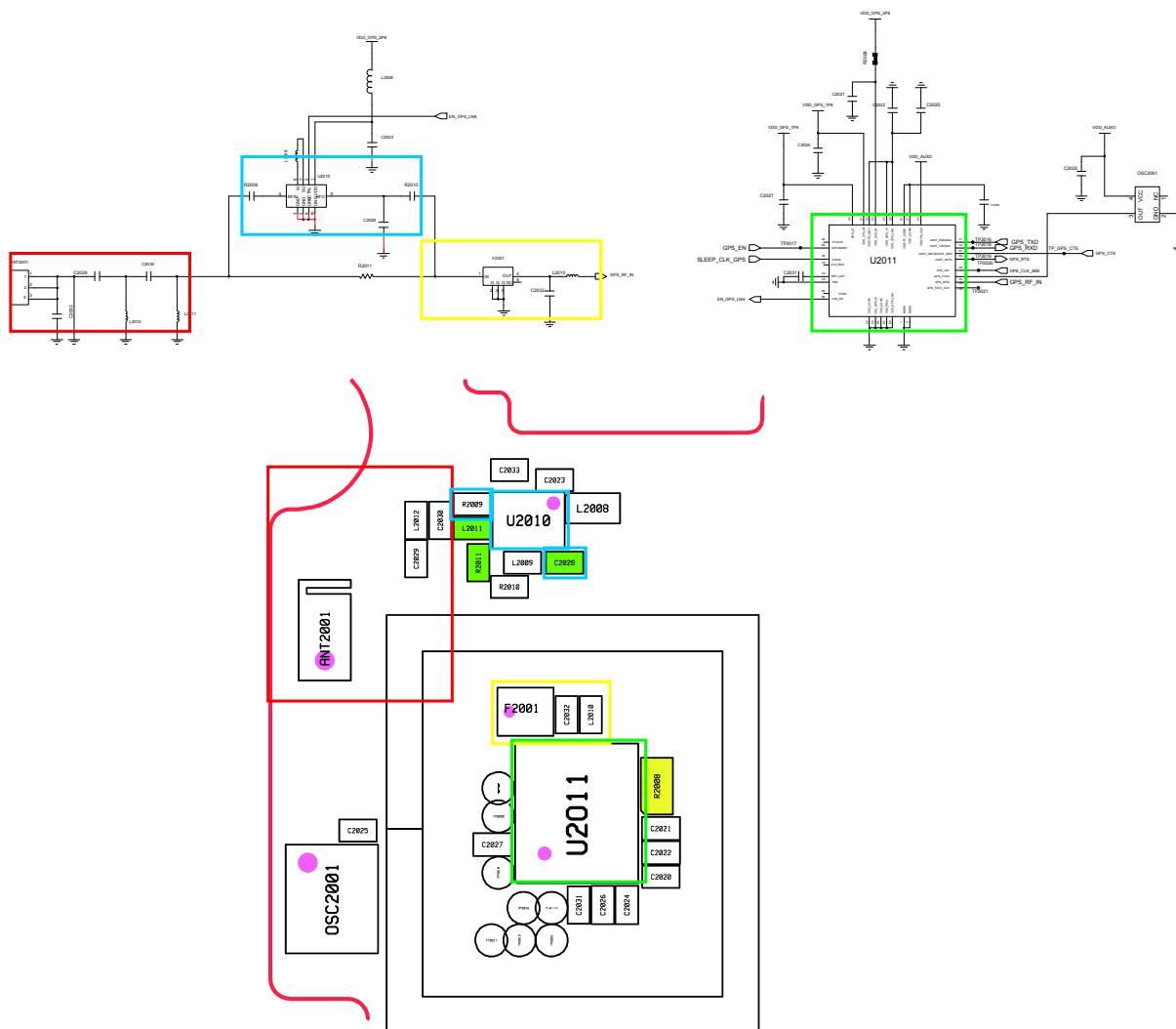
## 8-4-11. BT/WIFI



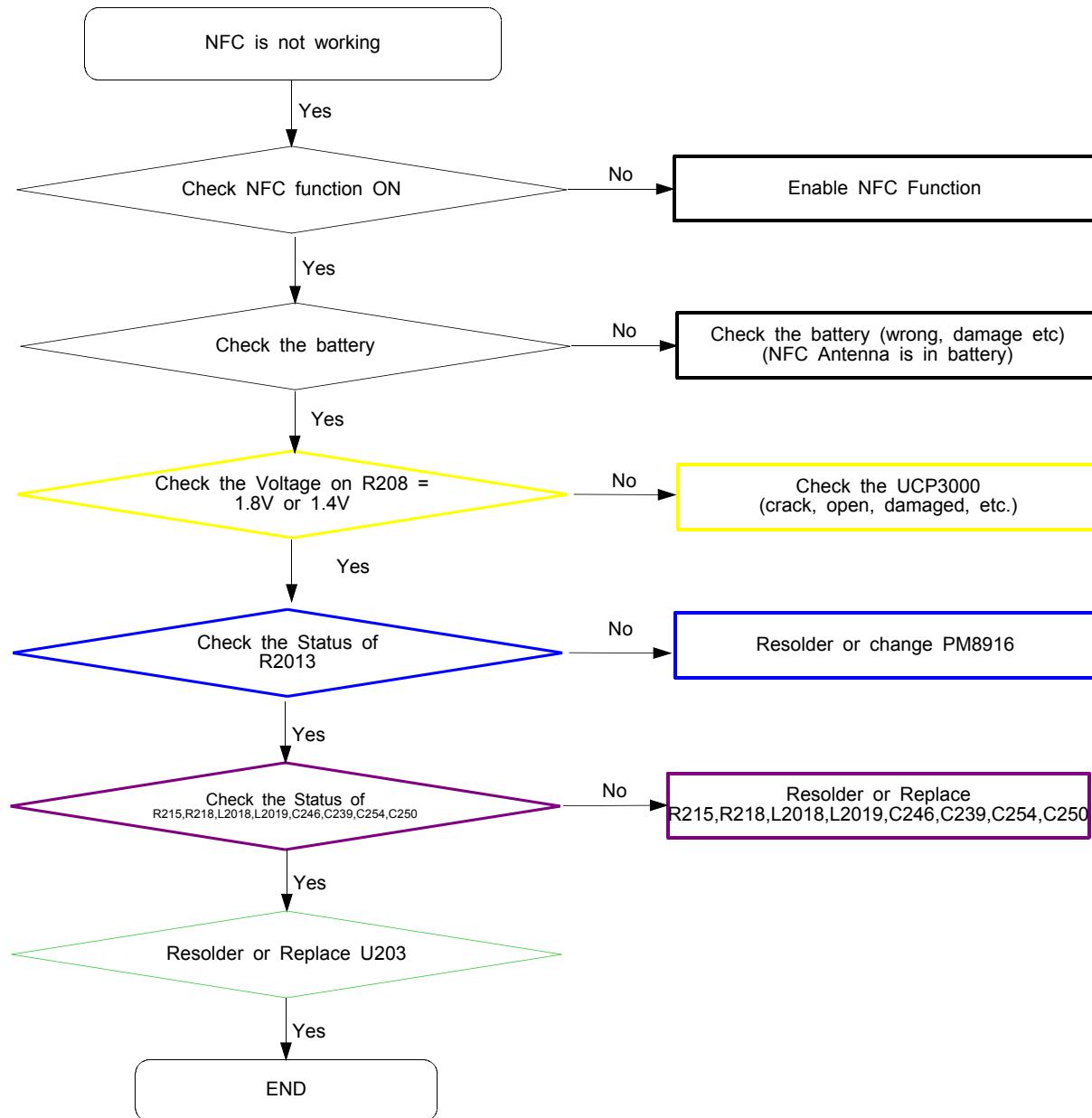


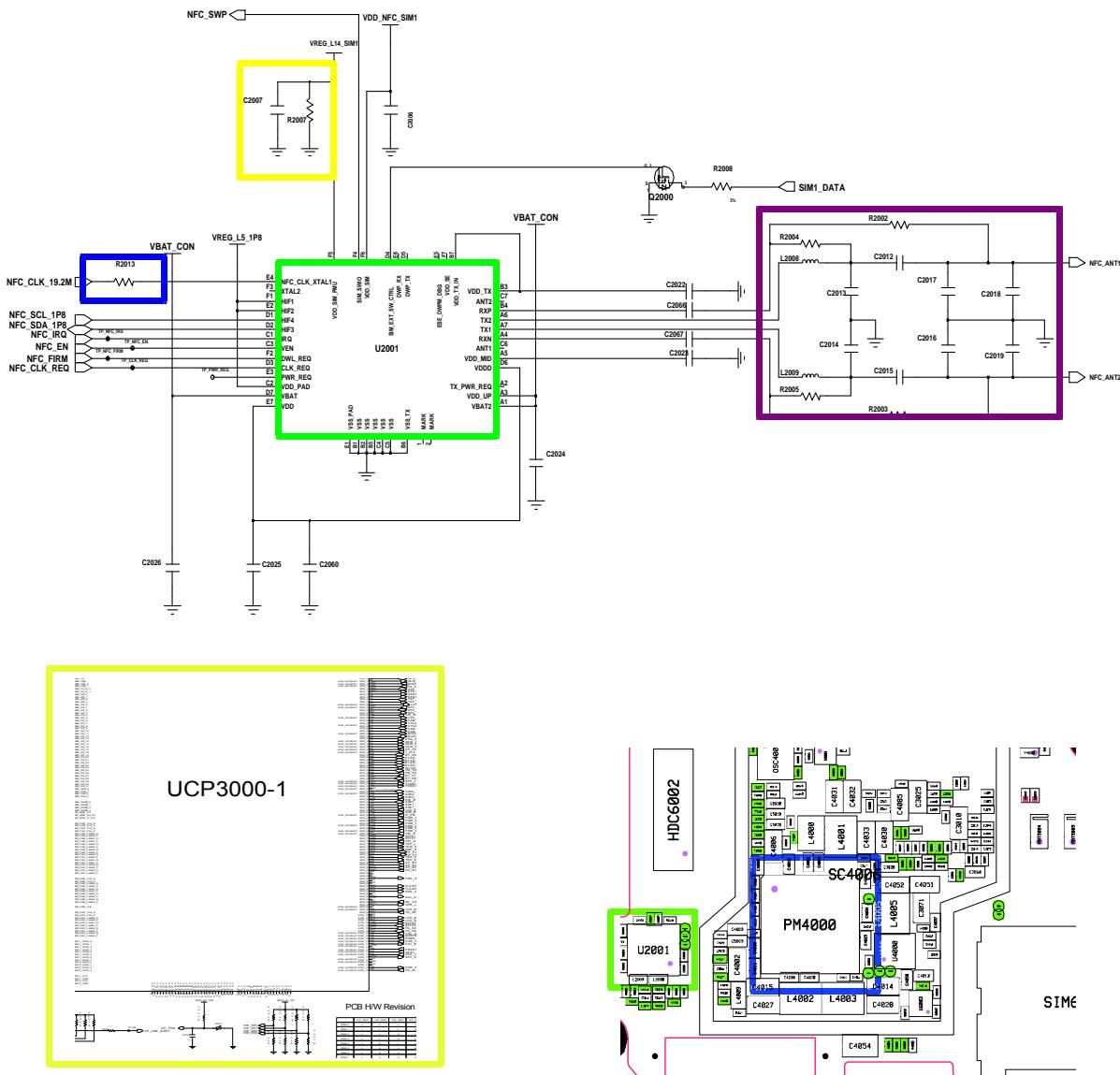
## 8-4-12. GPS



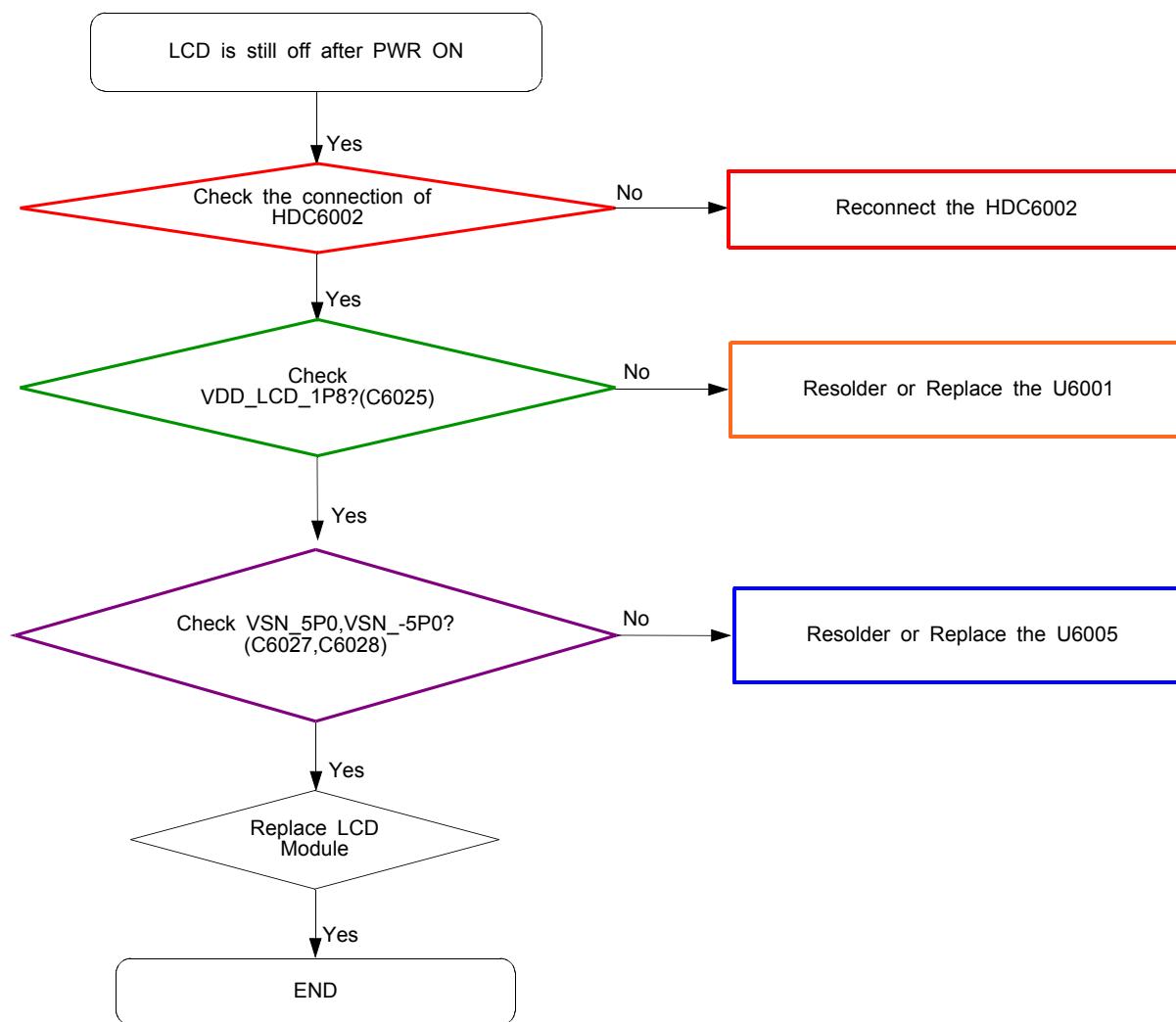


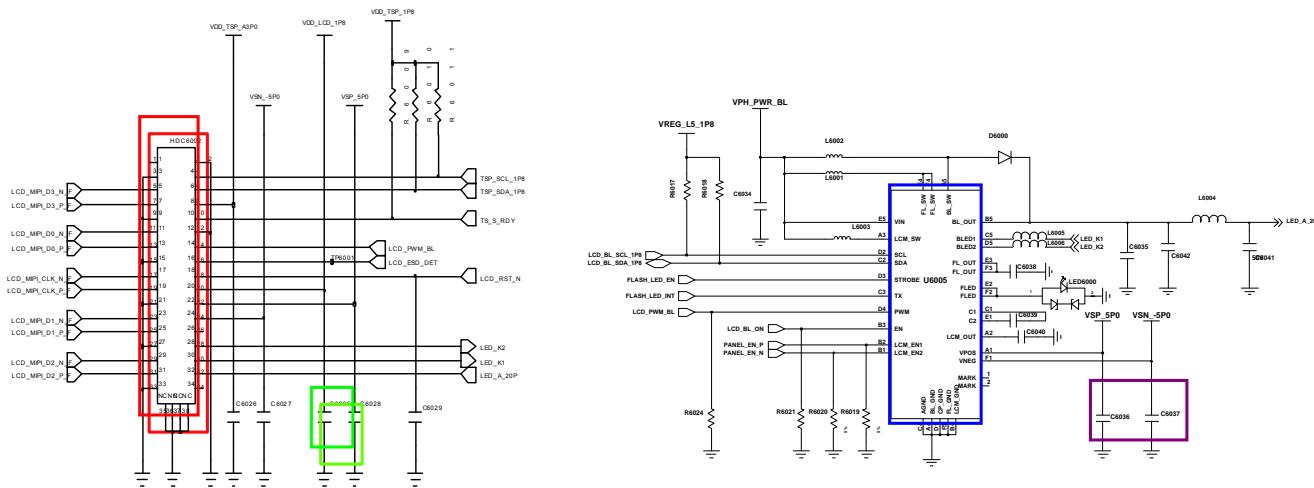
## 8-4-13. NFC



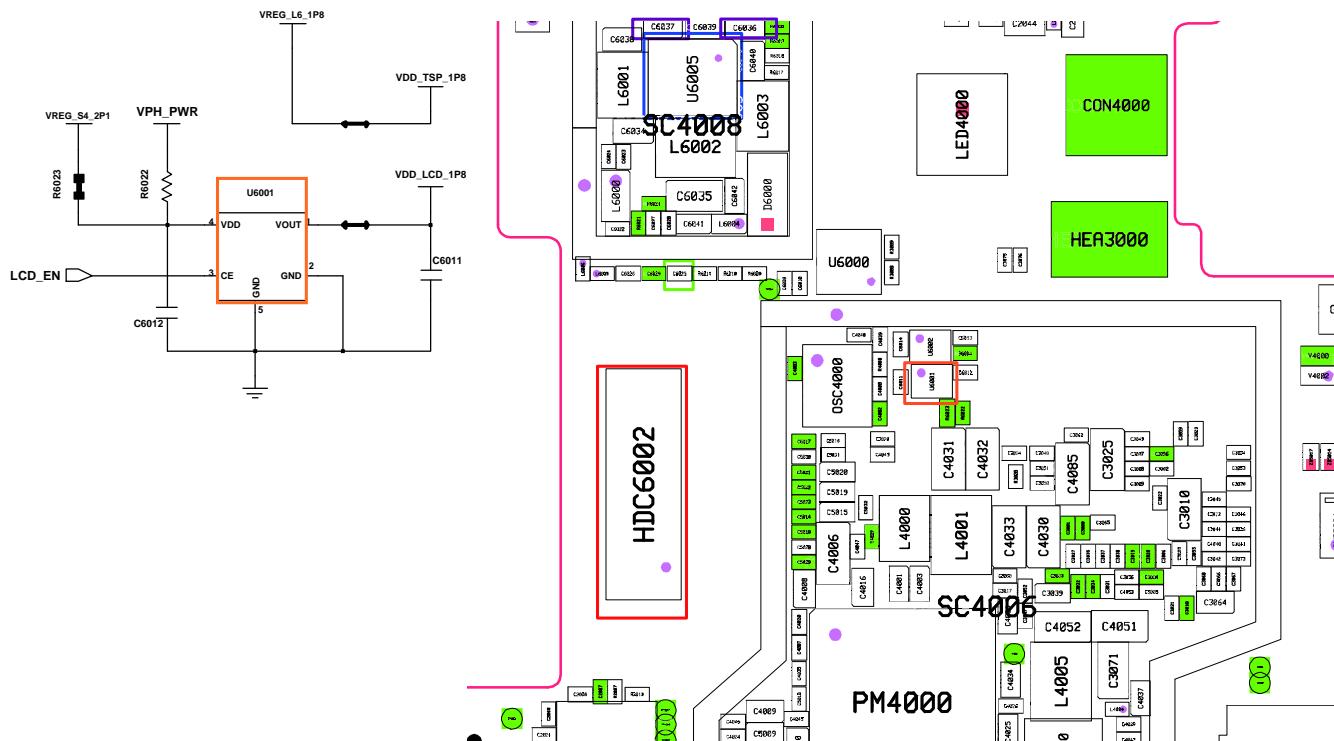


## 8-4-14. LCD

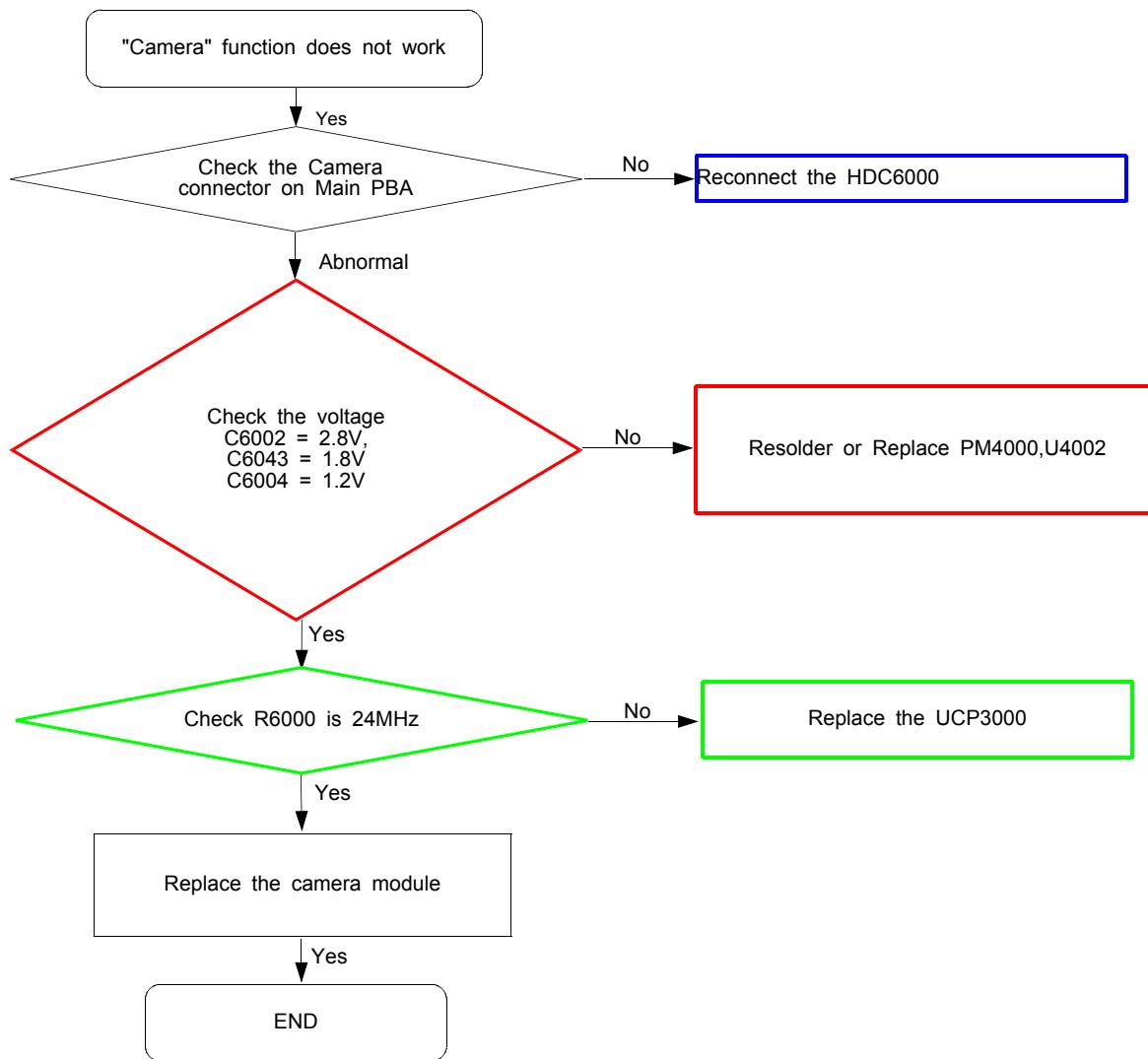


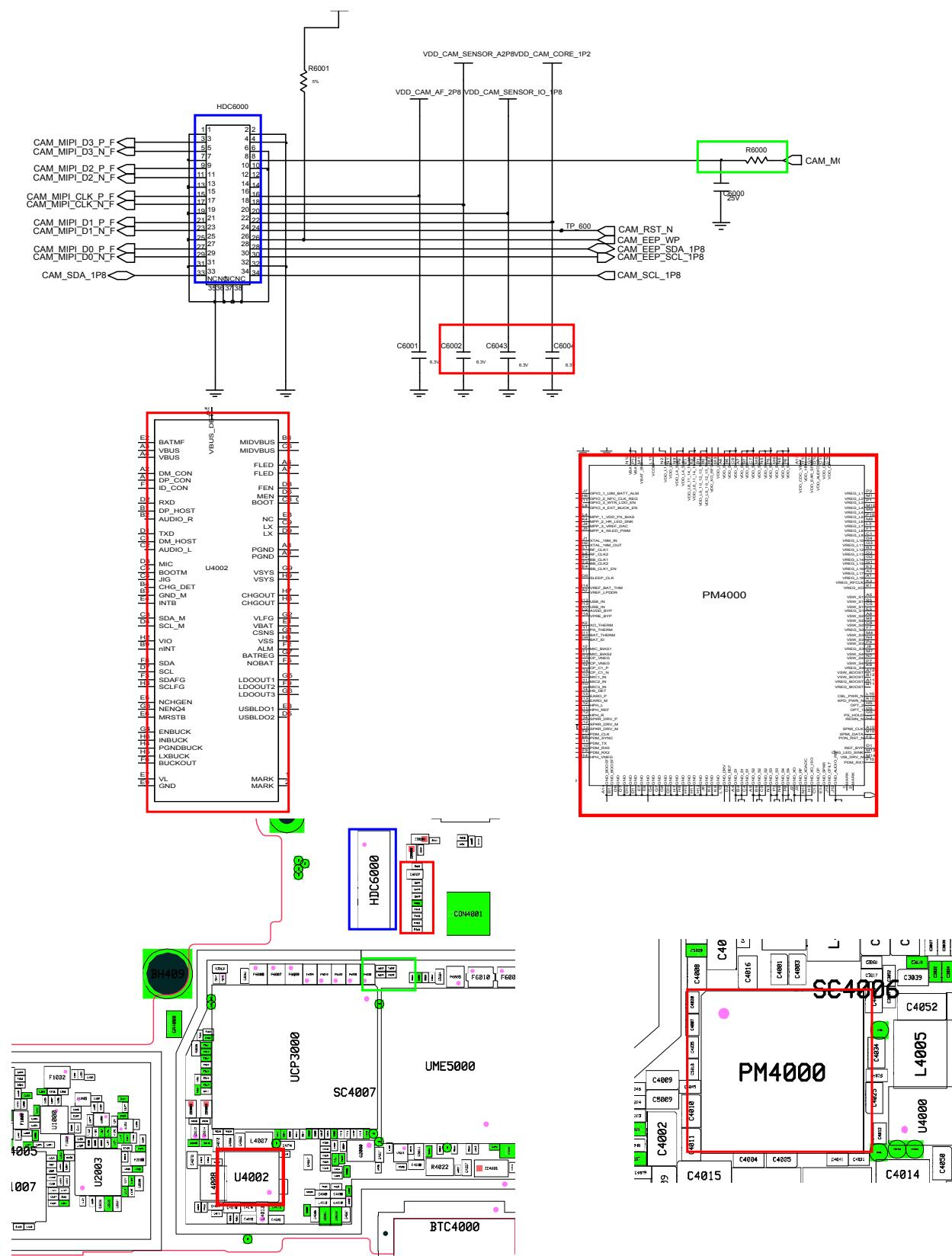


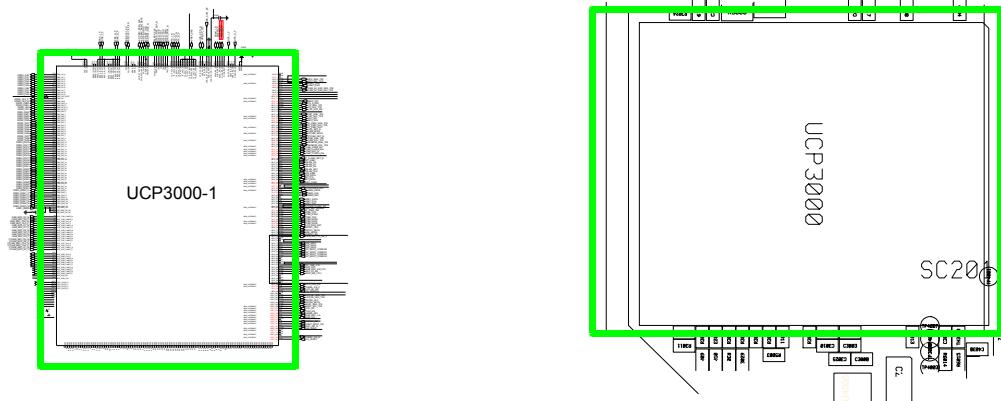
## LCD B/L & Fron flash IC



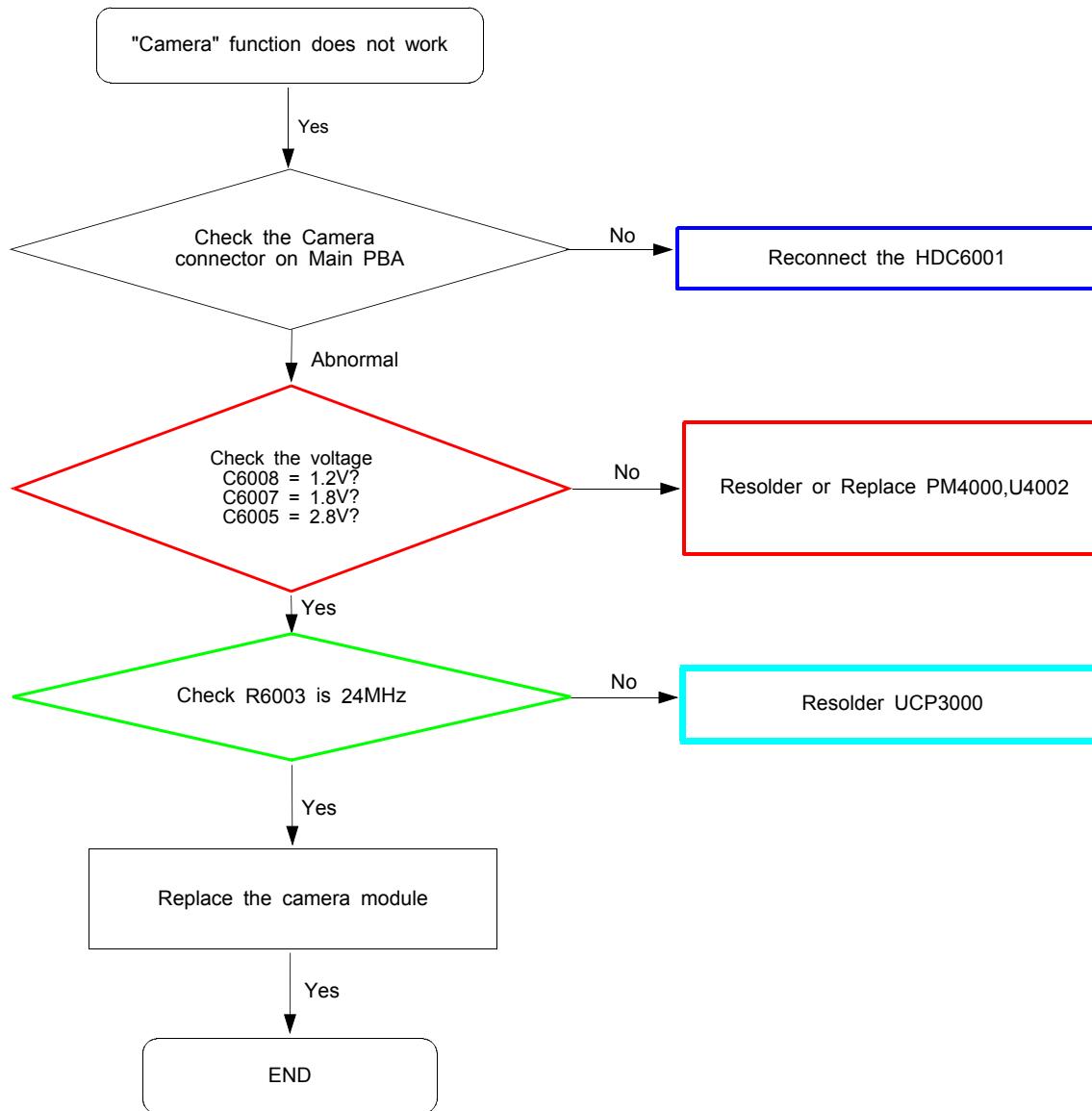
## 8-4-15. 13M CAM

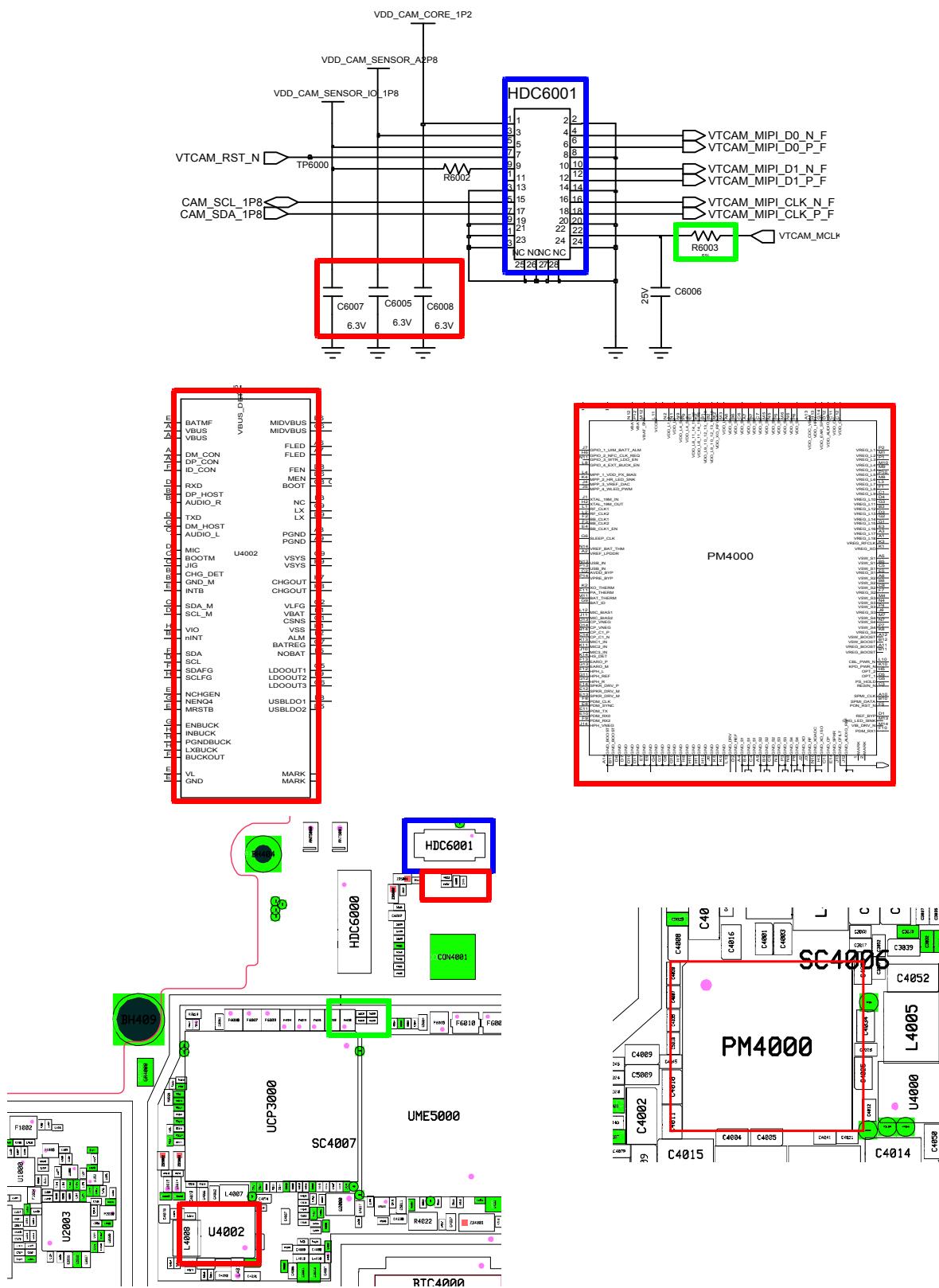


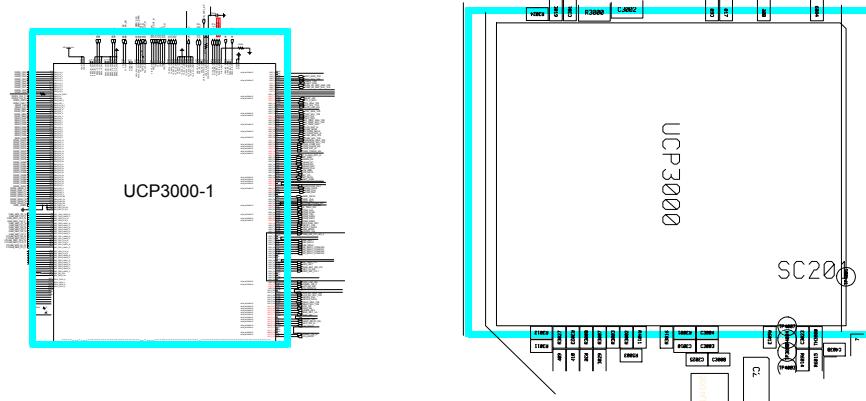




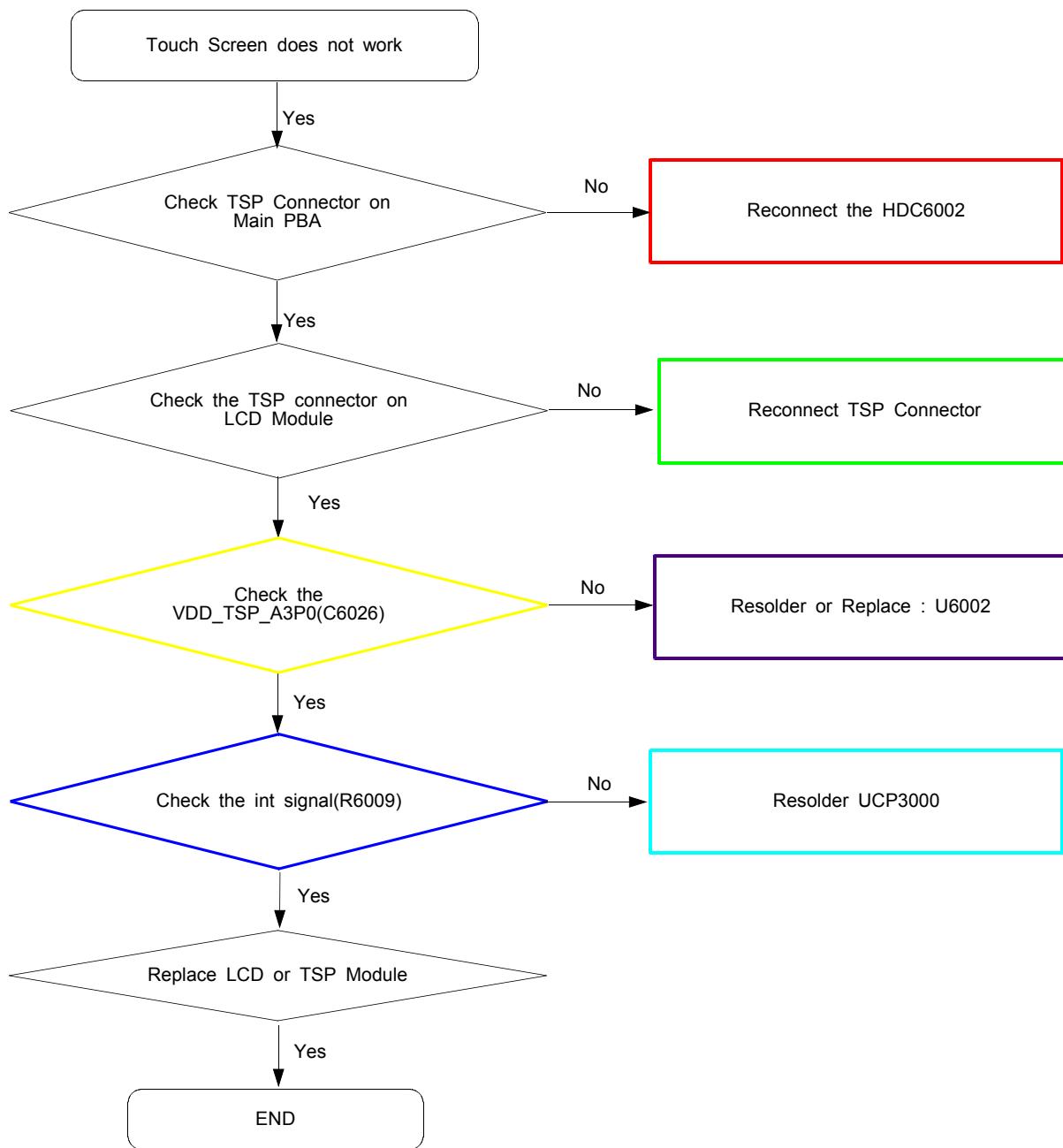
## 8-4-16. VT CAM

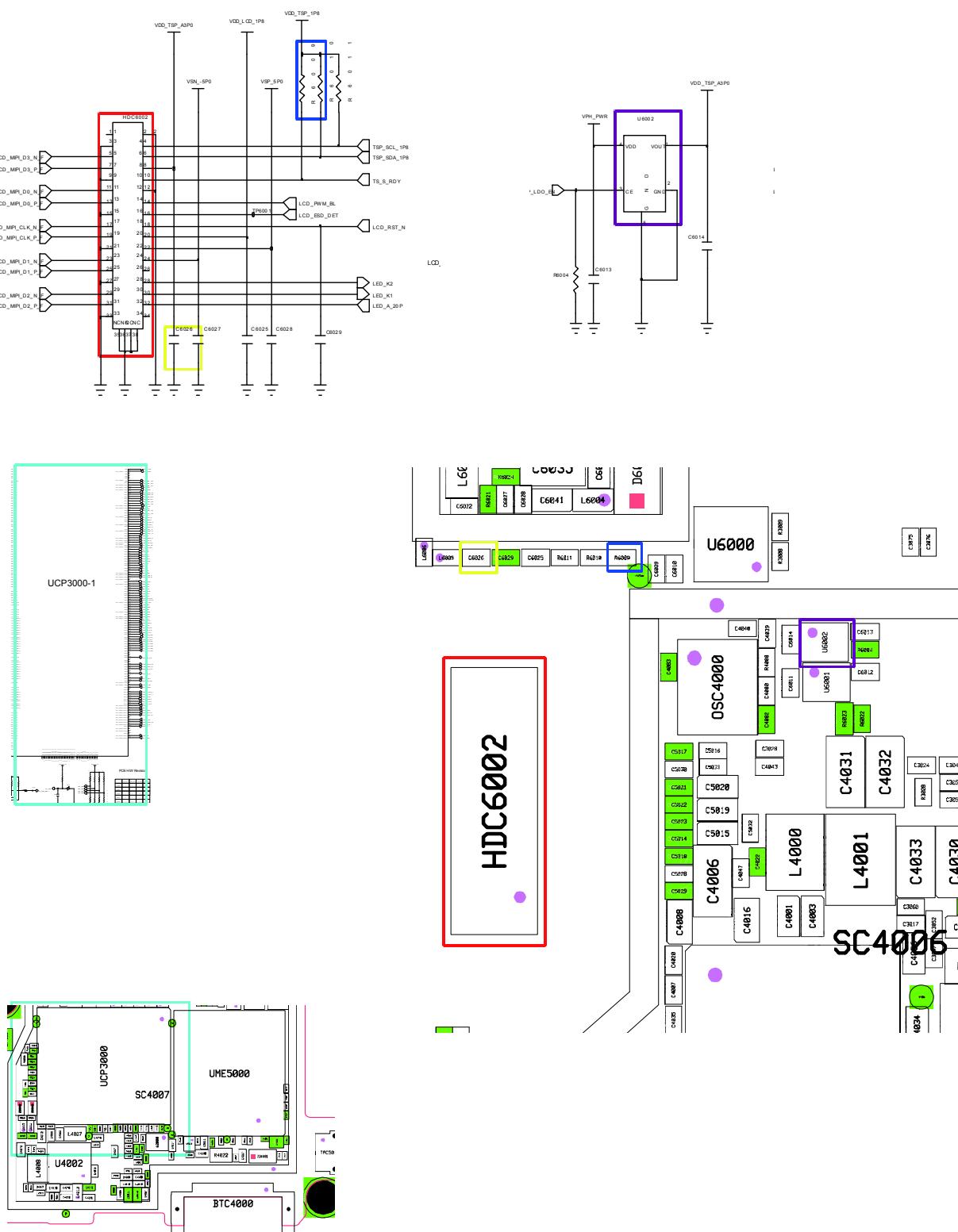


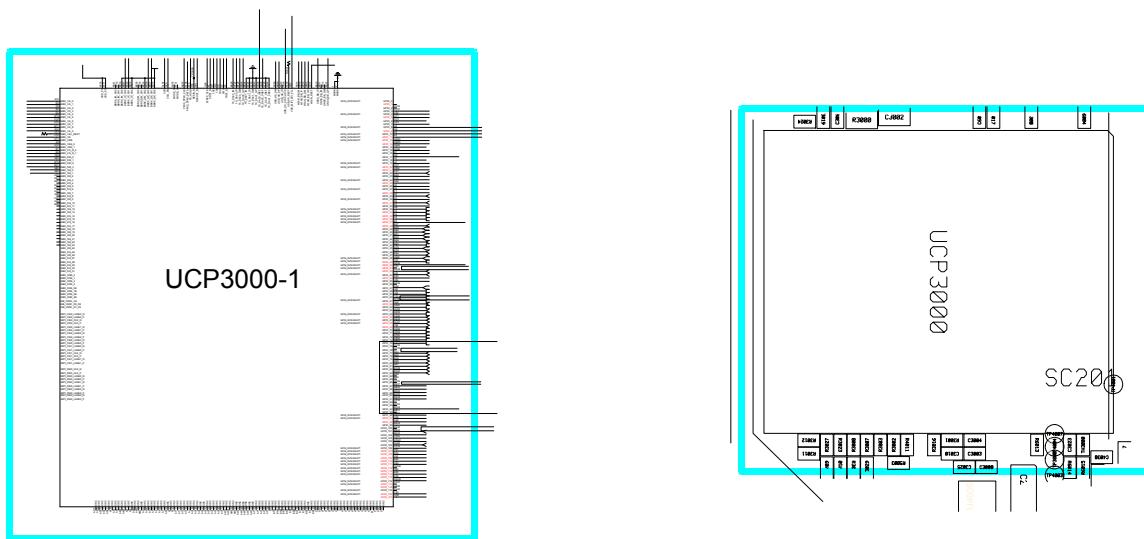




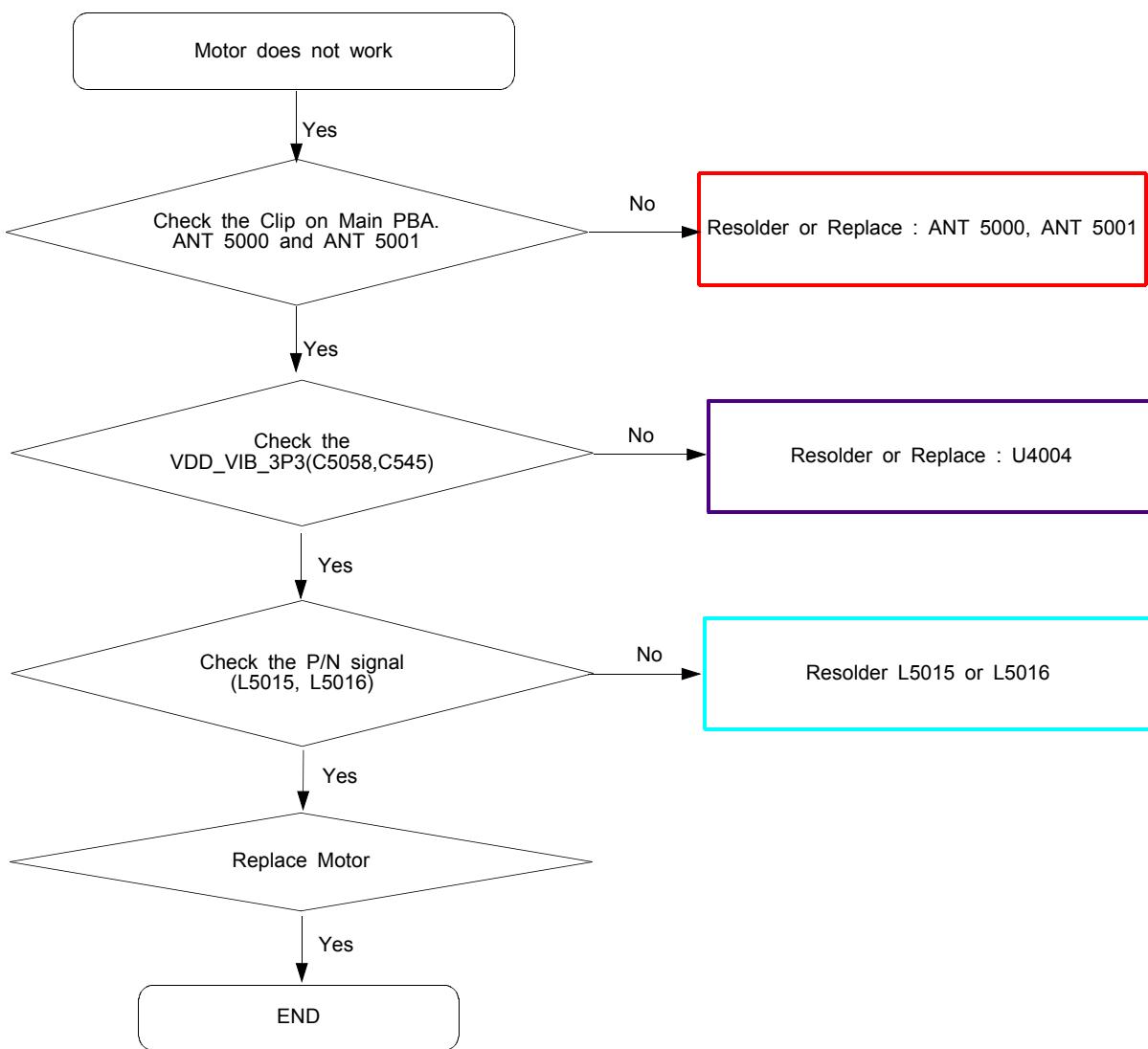
## 8-4-17. TSP

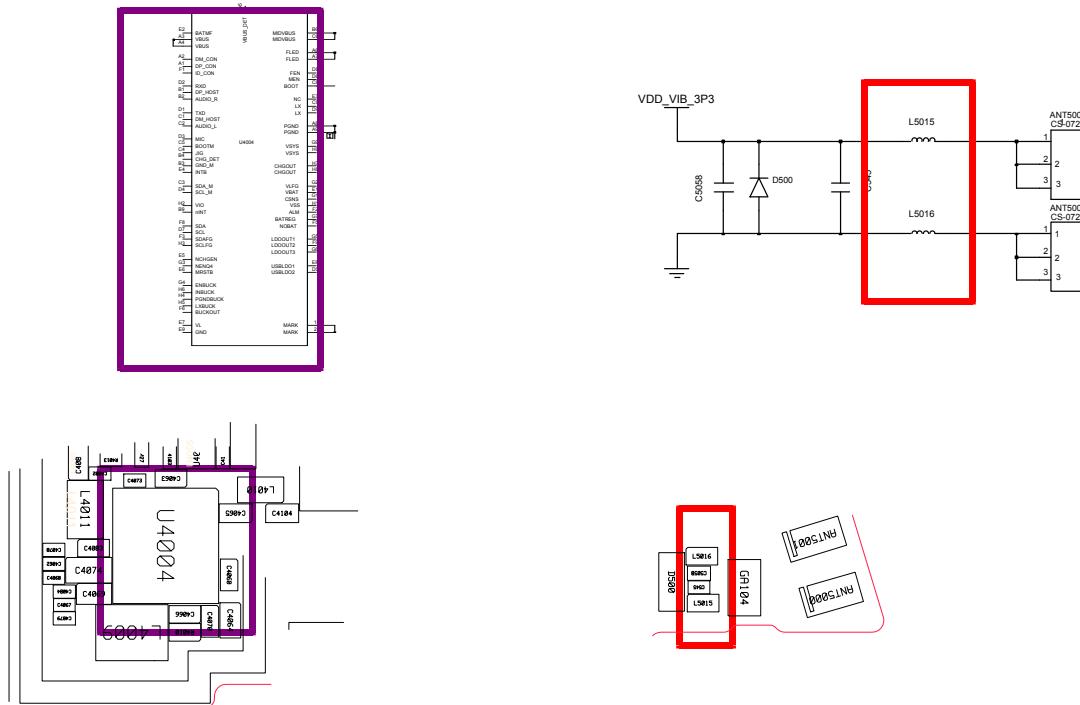




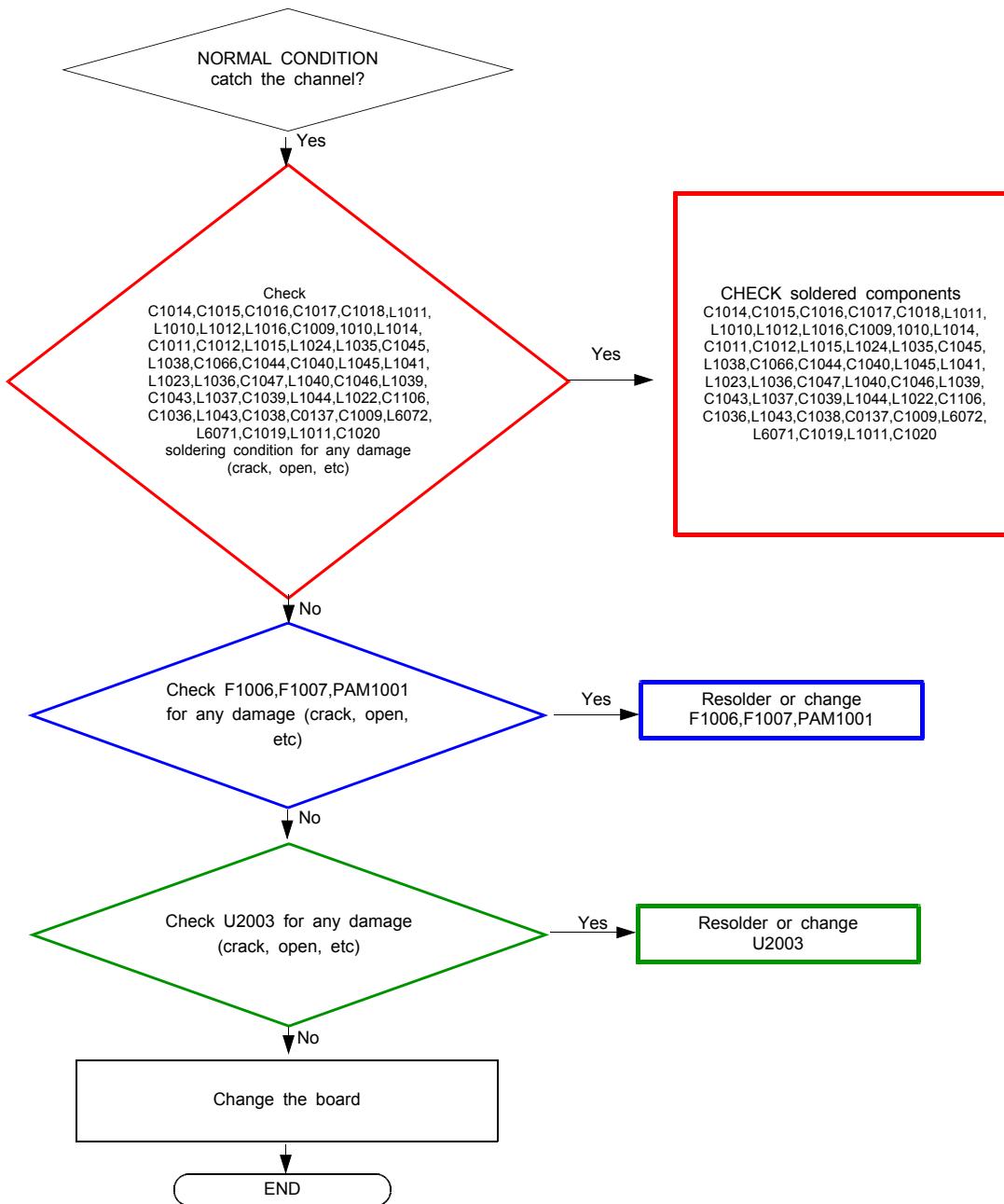


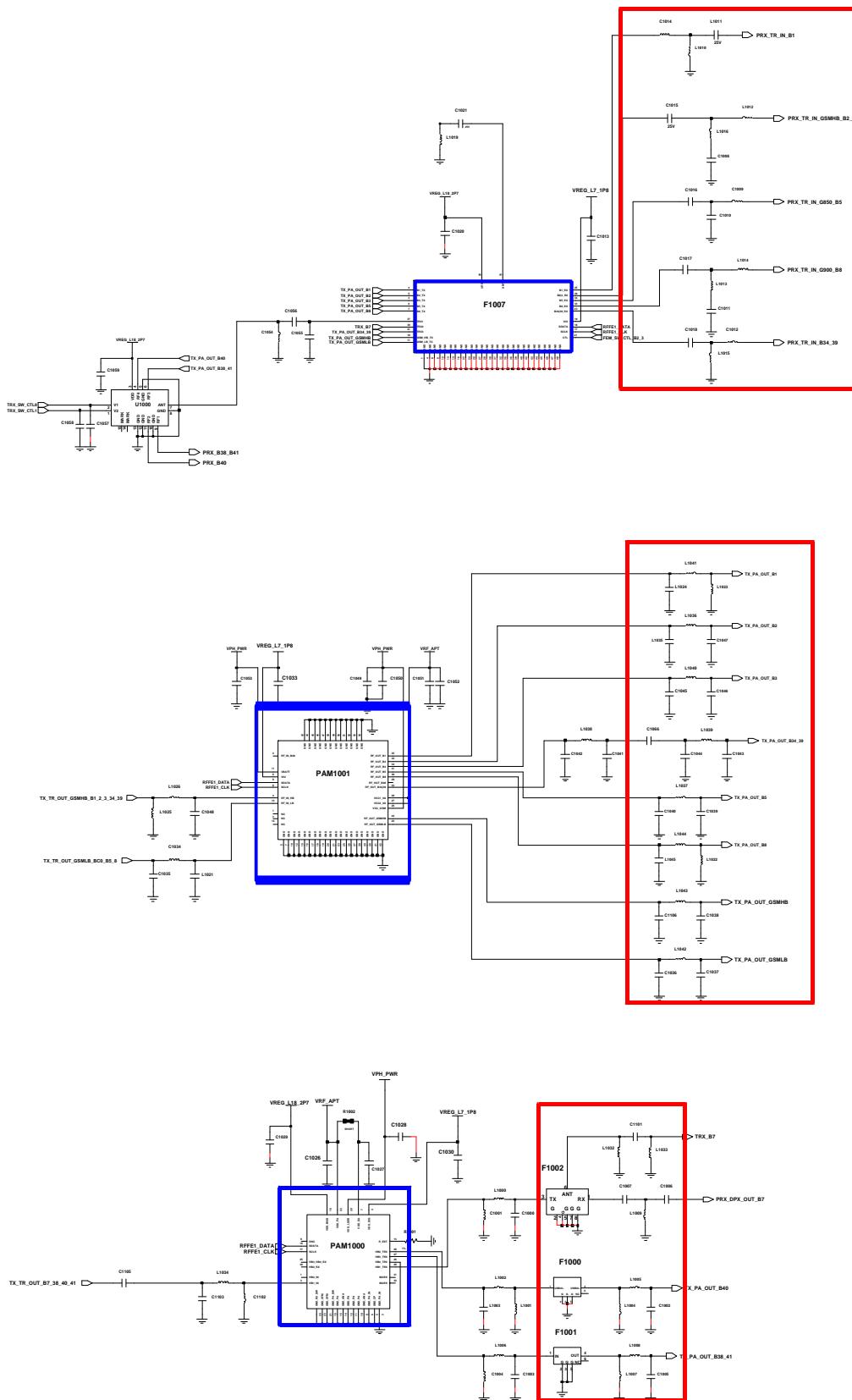
## 8-4-18. Motor

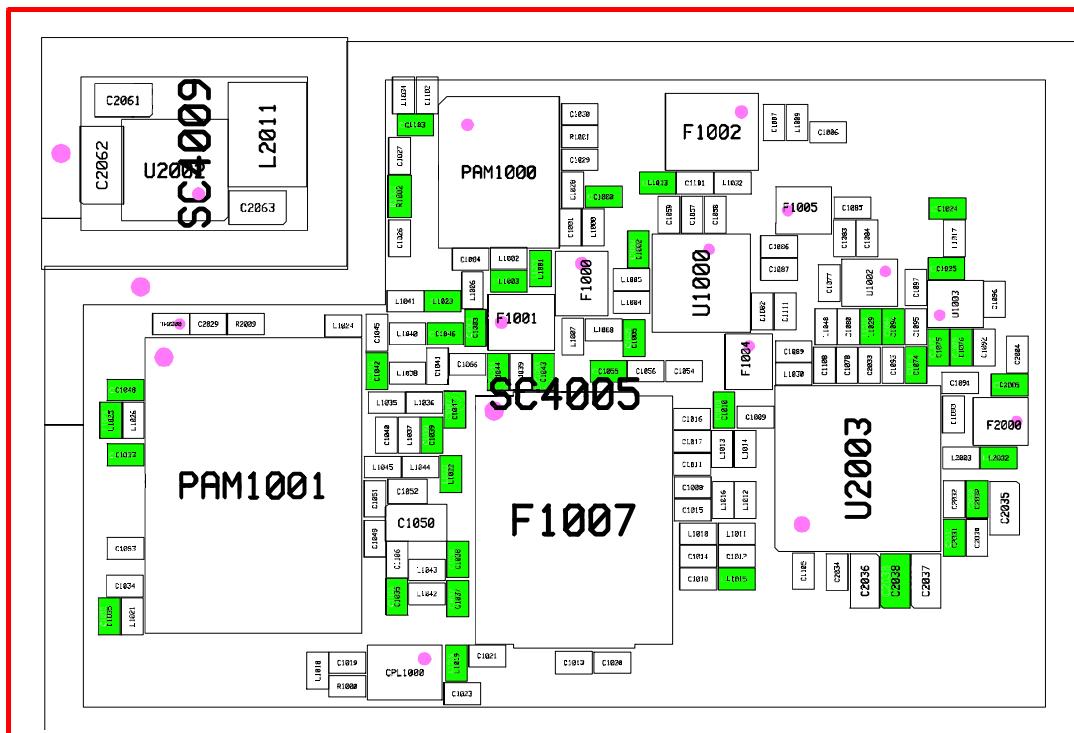
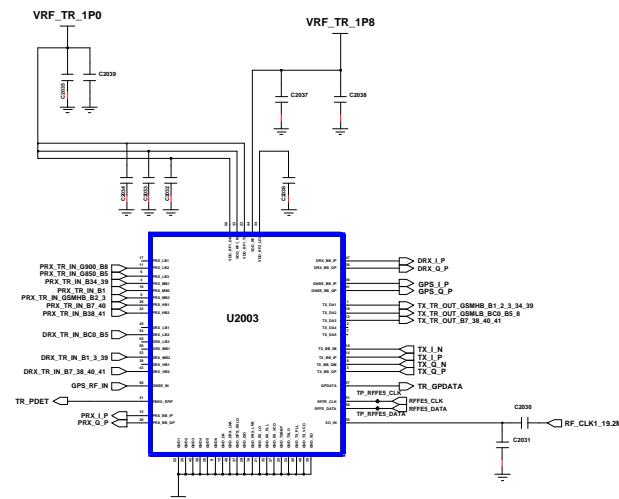




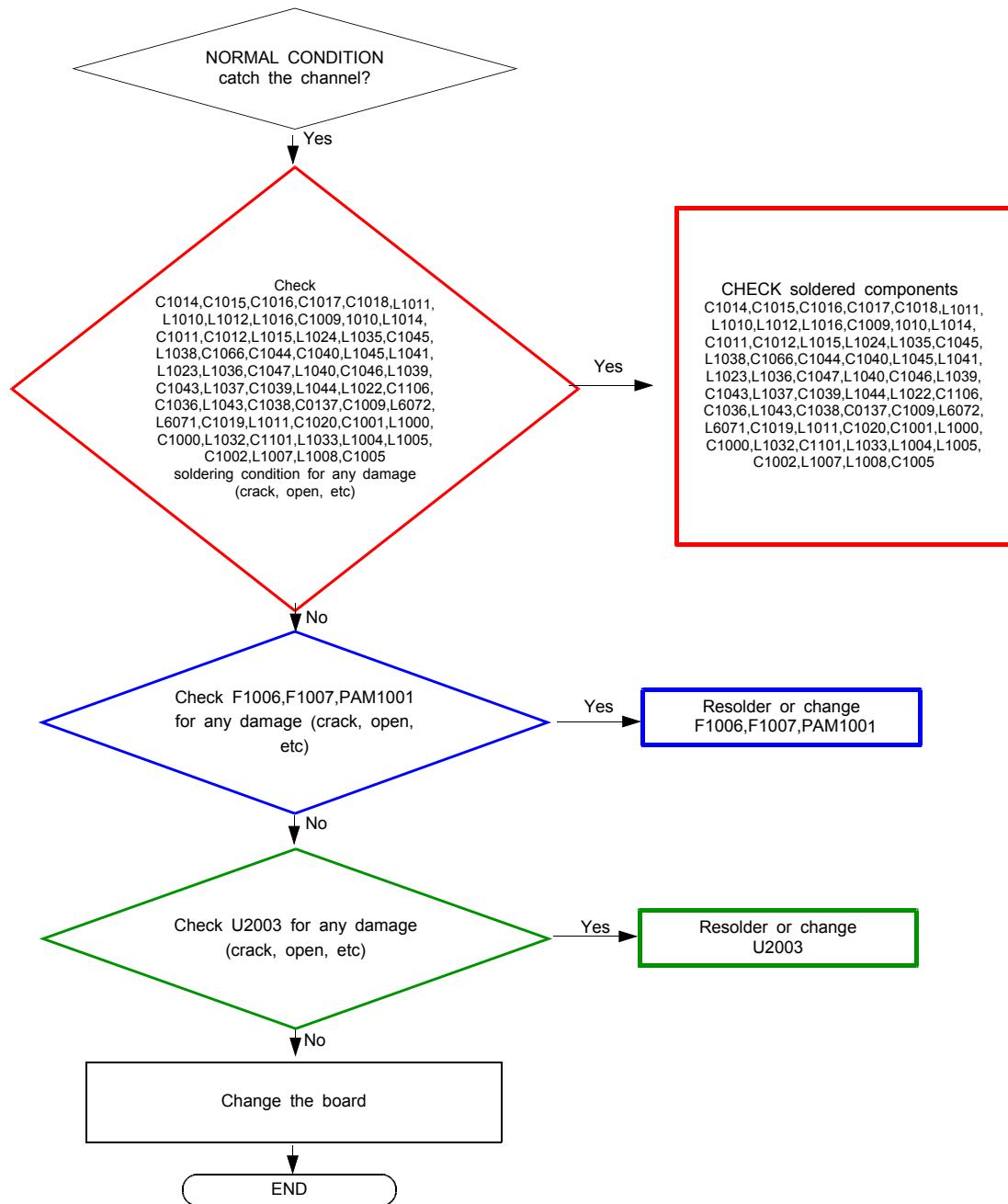
8-4-19. GSM 850,900,1800,1900 / LTE FDD BAND 1,3,7 / LTE TDD BAND 38,39,40,41 / TD-SCDMA B34/B39 RX

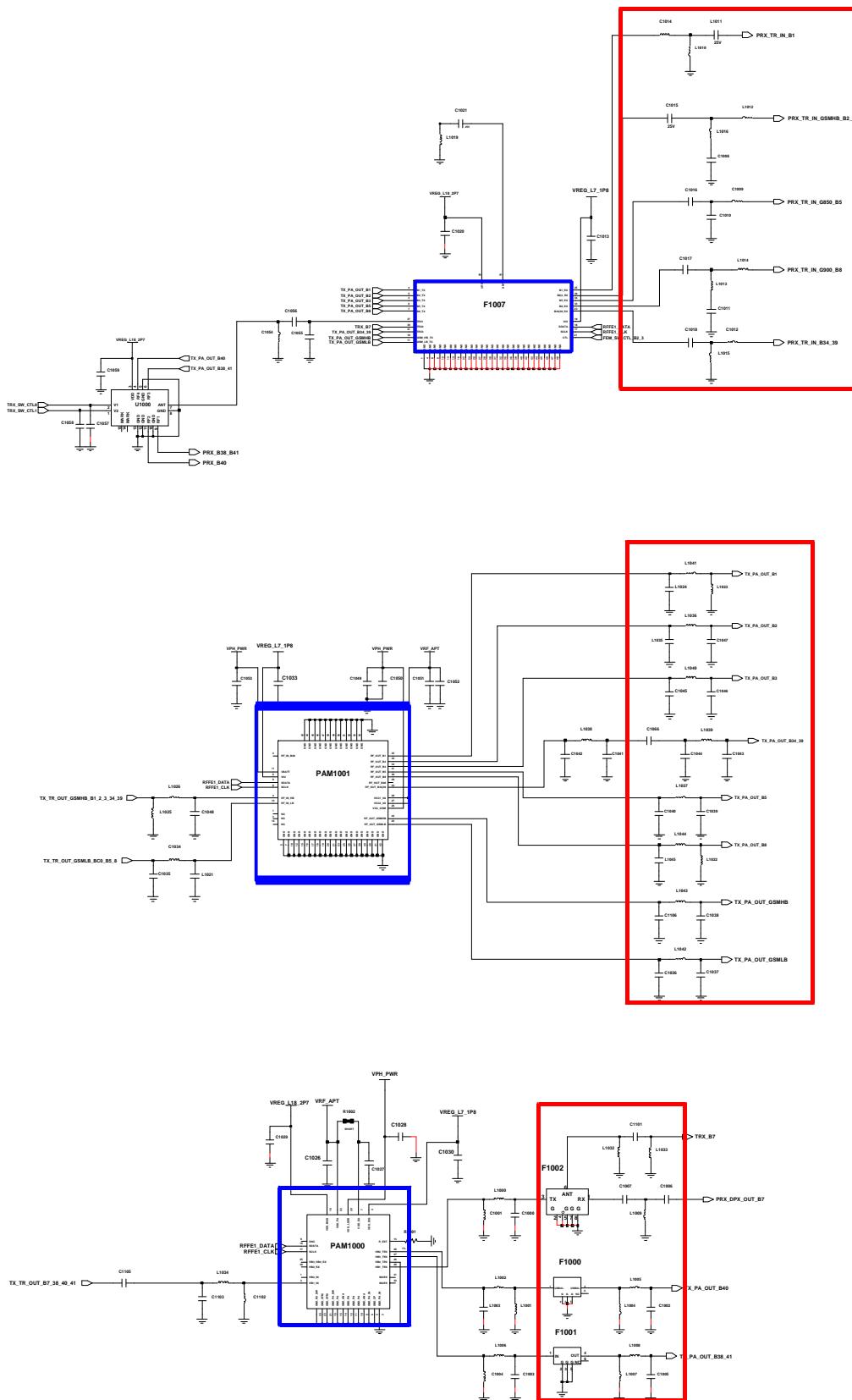


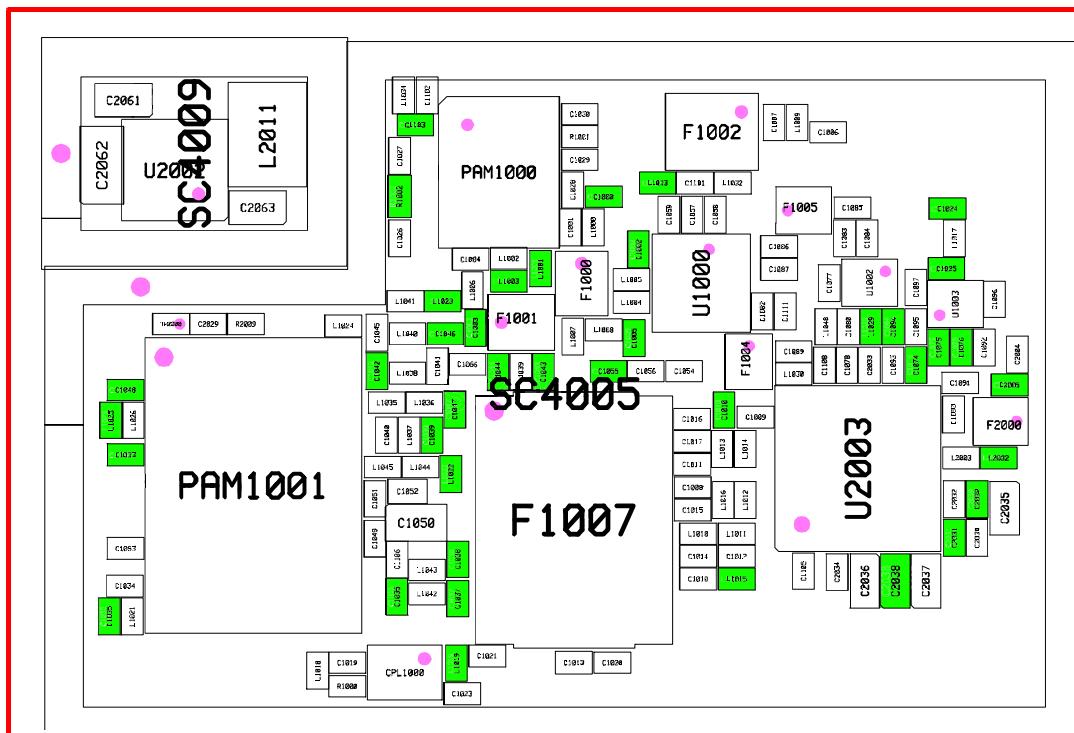
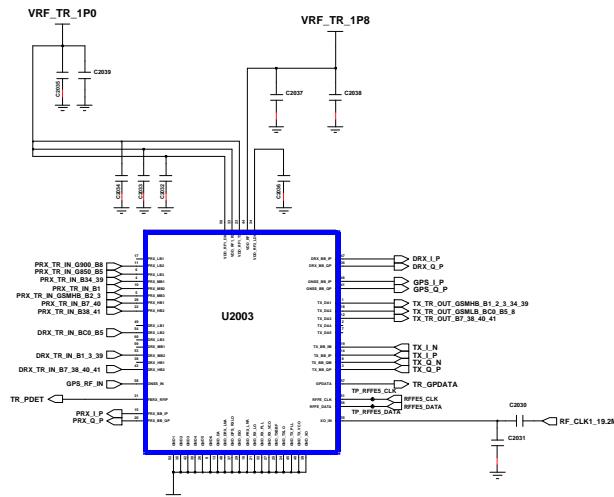




8-4-20. GSM 850,900,1800,1900 / LTE FDD BAND 1,3,7 / LTE TDD BAND 38,39,40,41 / TD-SCDMA B34/B39 TX







## 8-5. Service Schematics

- NC point(Top view)

UCP3000(AP)

