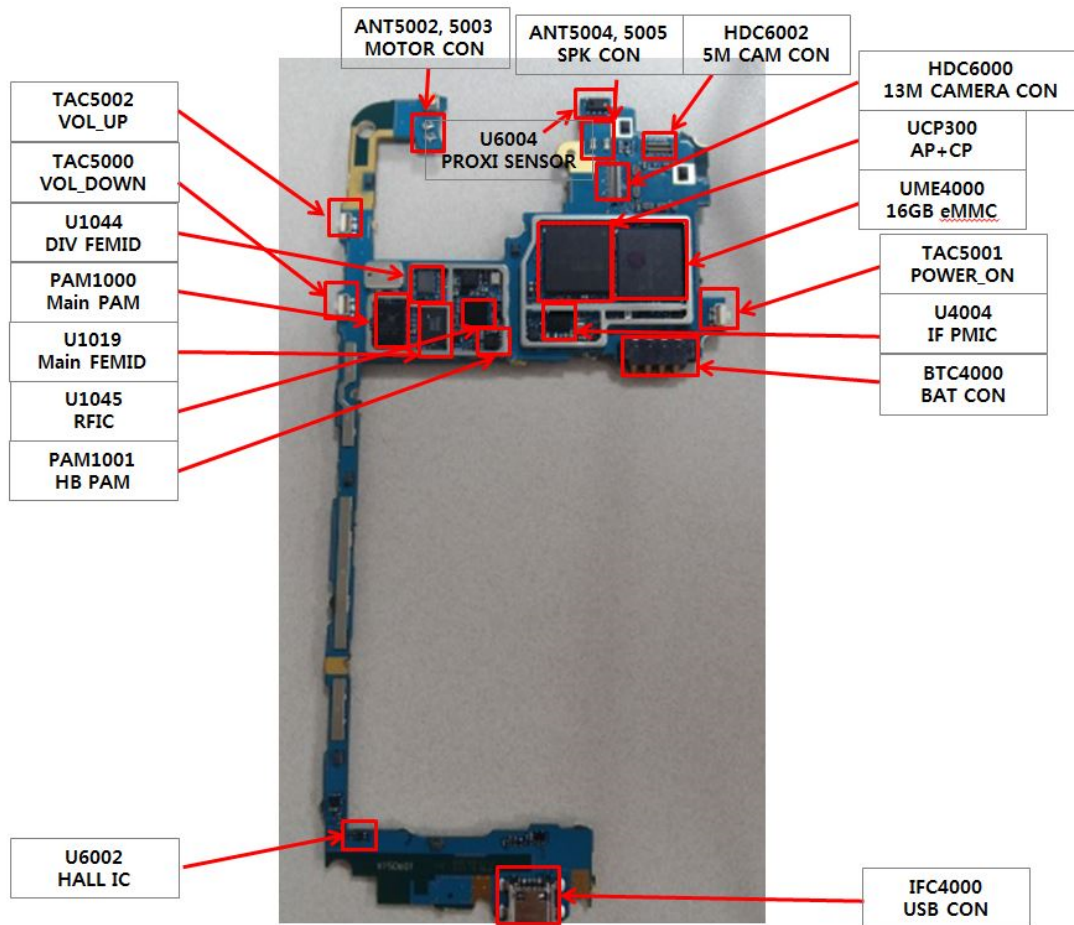
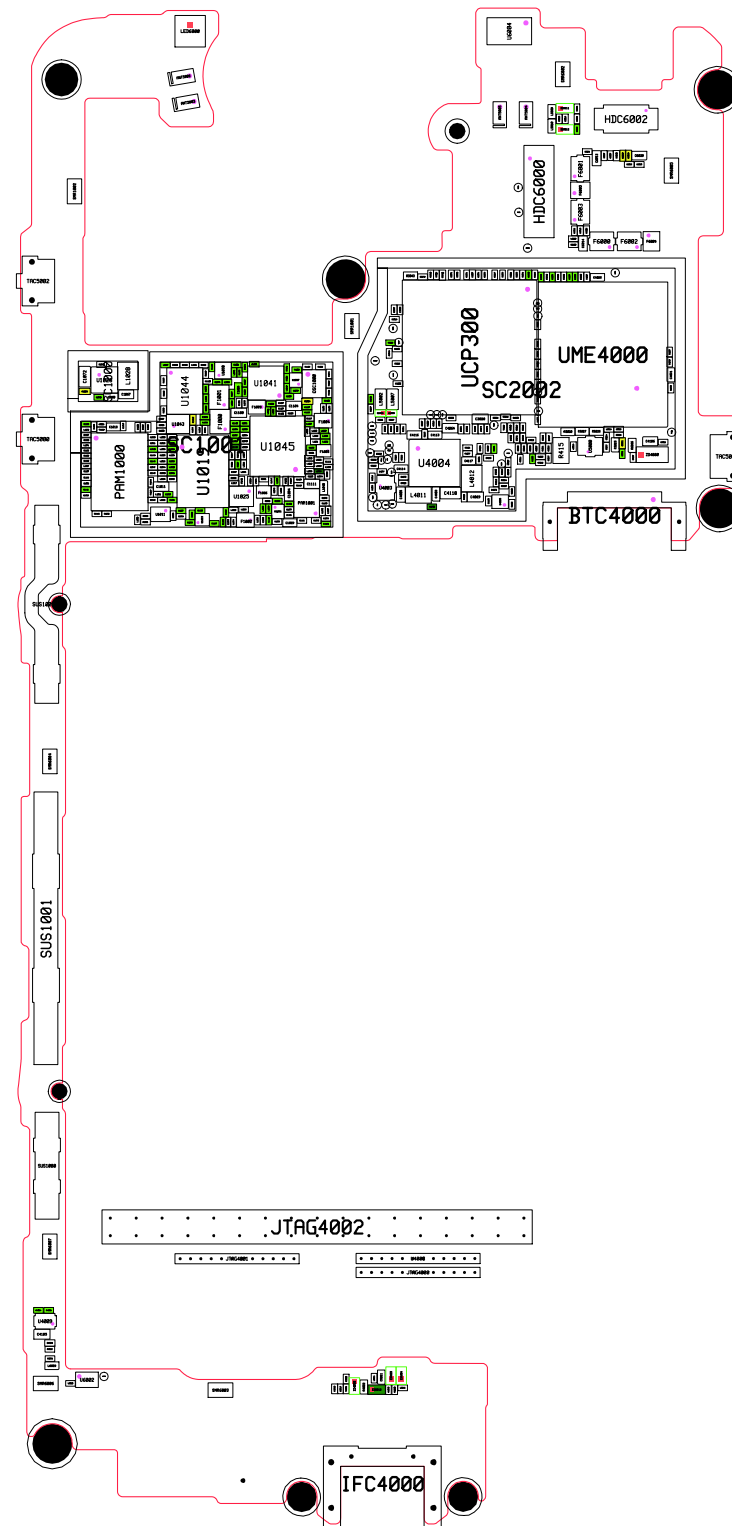


## 8. Level 3 Repair

### 8-1. Components Layout



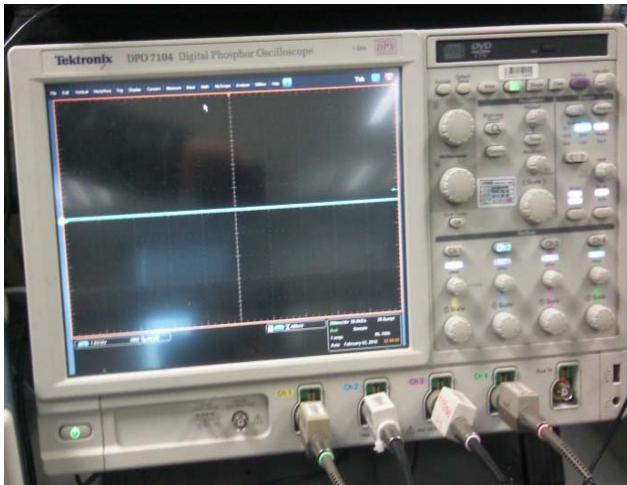






## 8-4. Flow Chart of Troubleshooting

### Equipments



↑ Oscilloscope



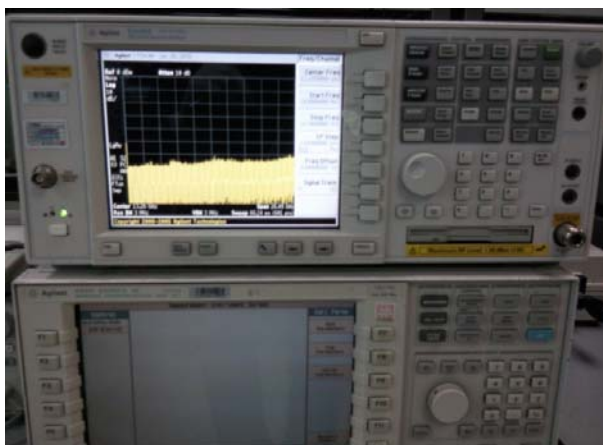
↑ Digital Multimeter



↑ Power Supply



↑ + driver, ESD Safe Tweezer

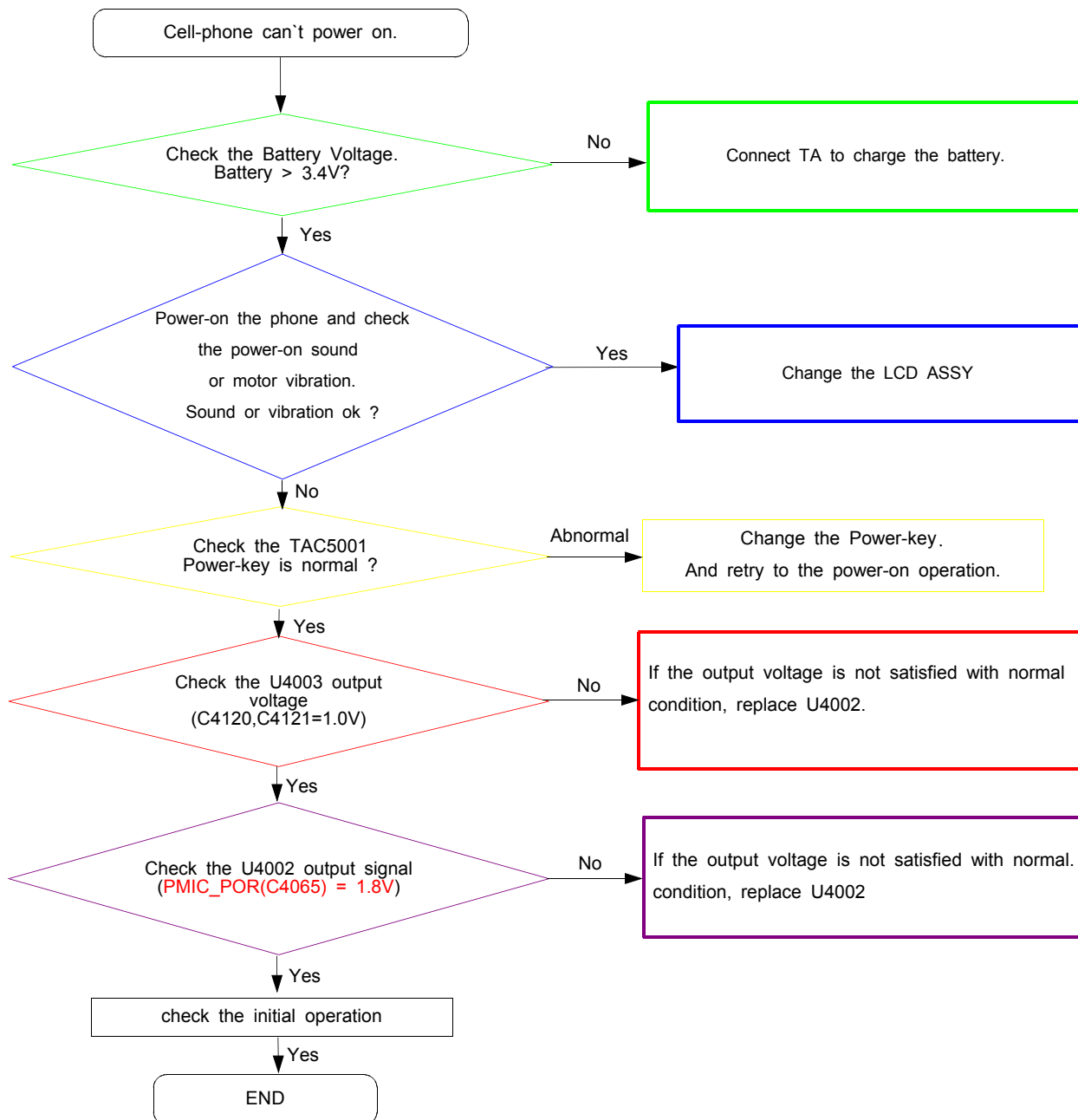


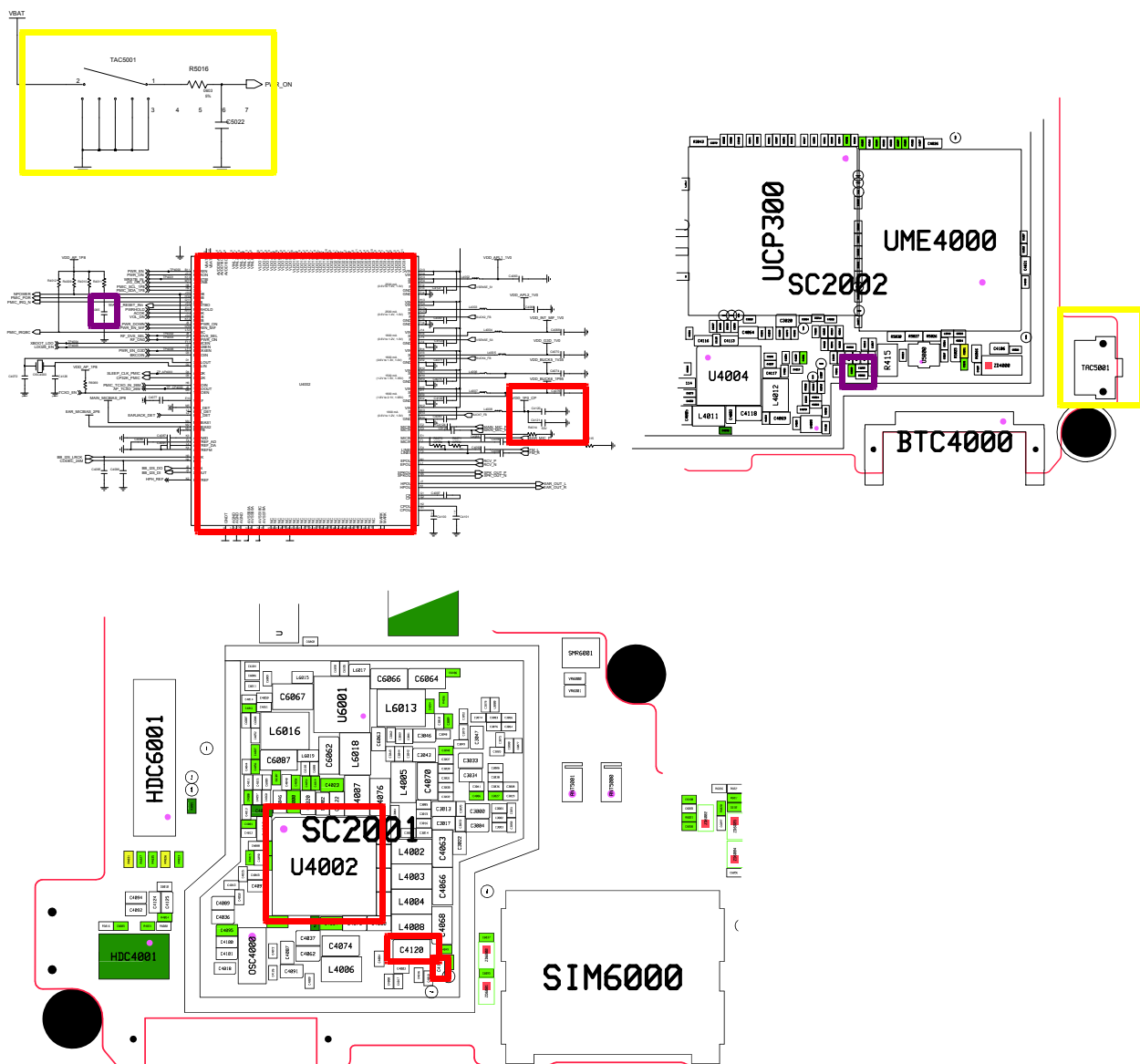
↑ 8960 & Spectrum Analyzer



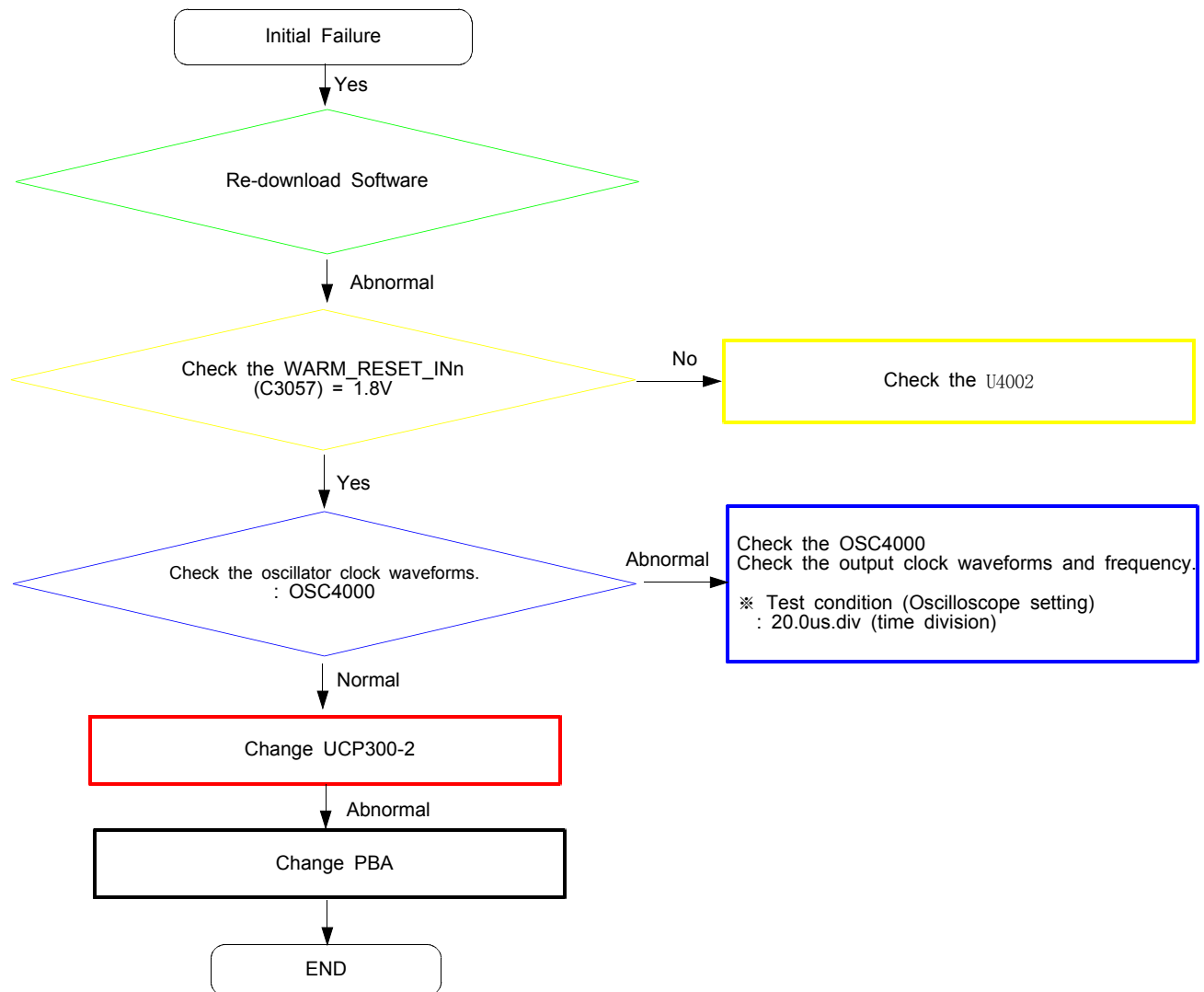
↑ Soldering iron

## 8-4-1. Power On

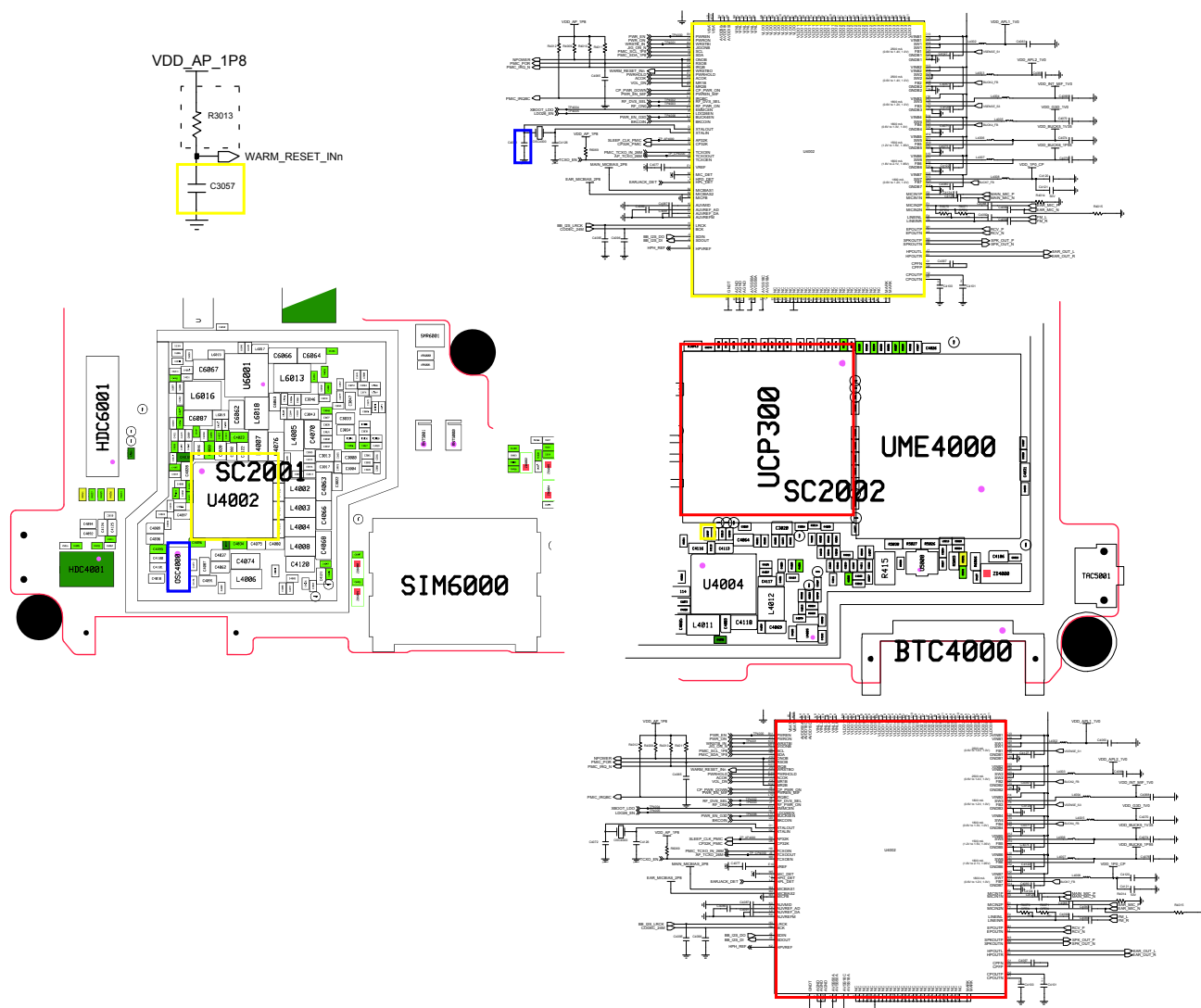




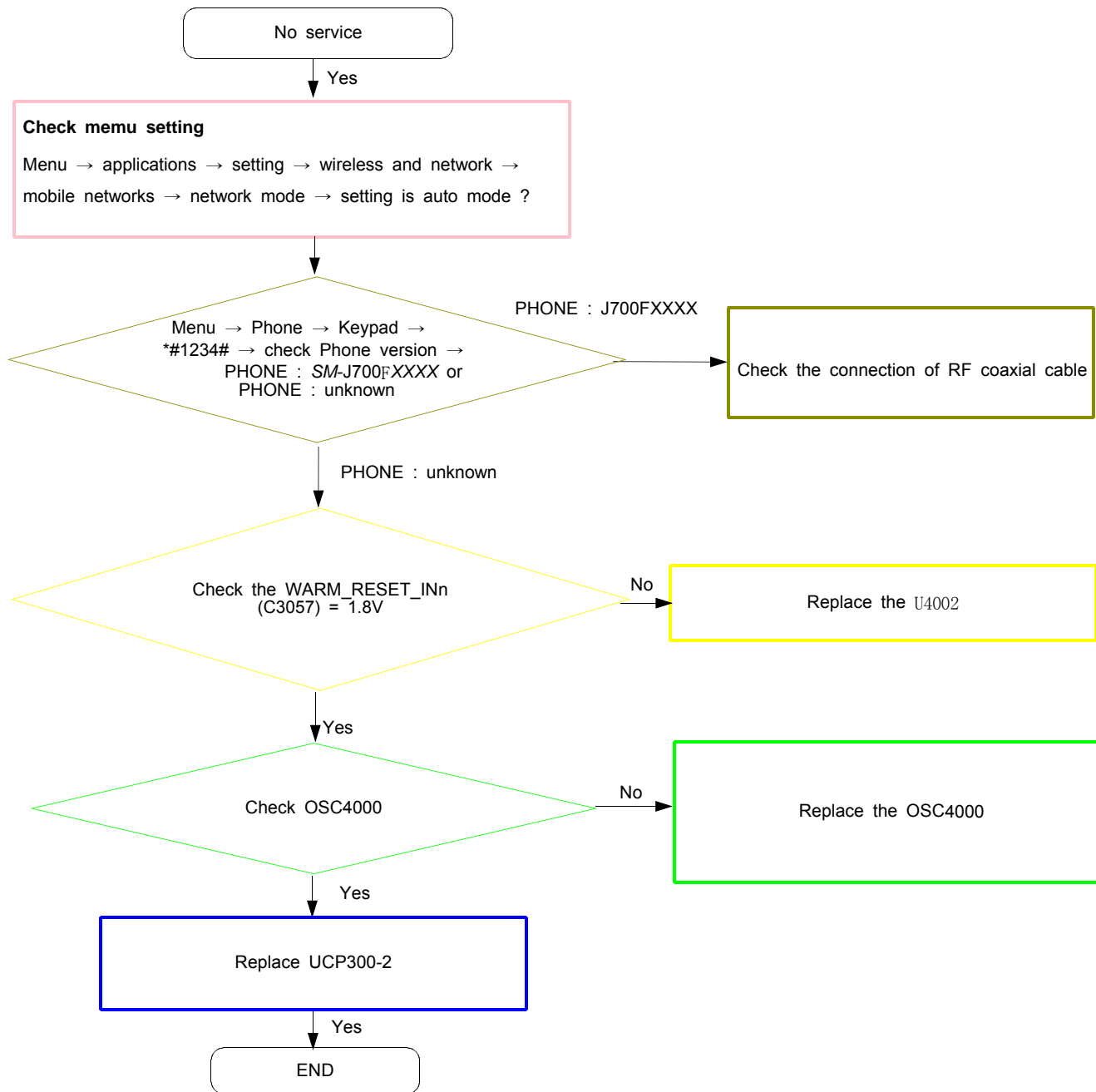
## 8-4-2. Initial





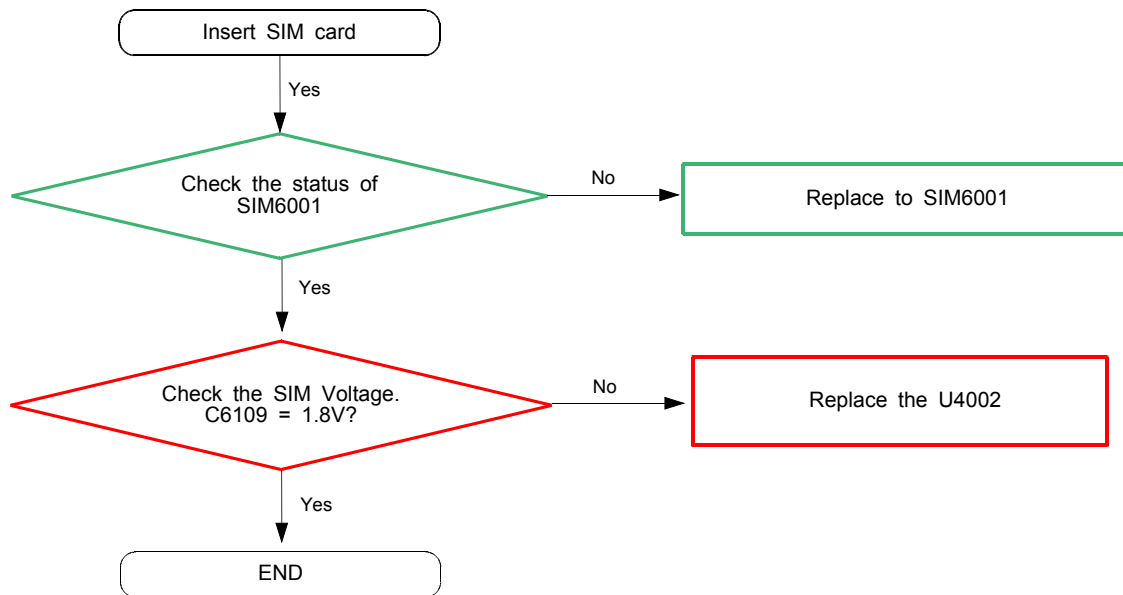


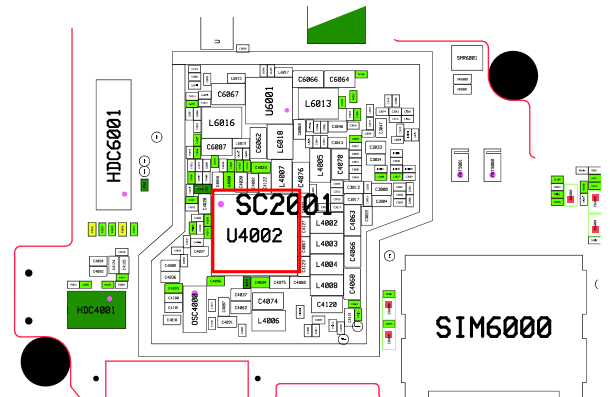
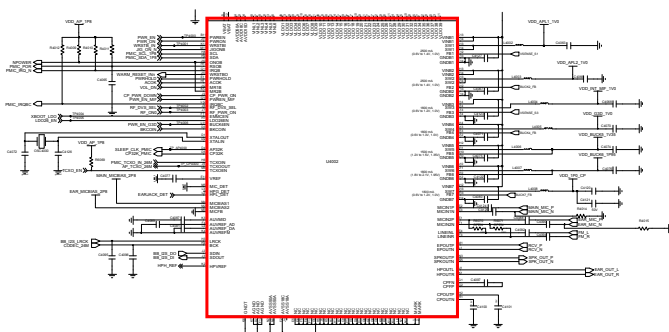
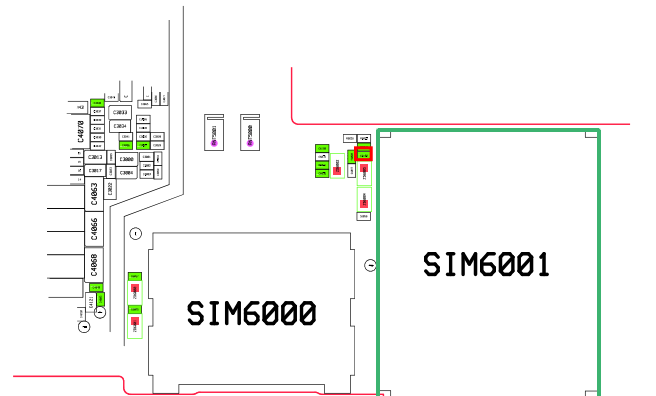
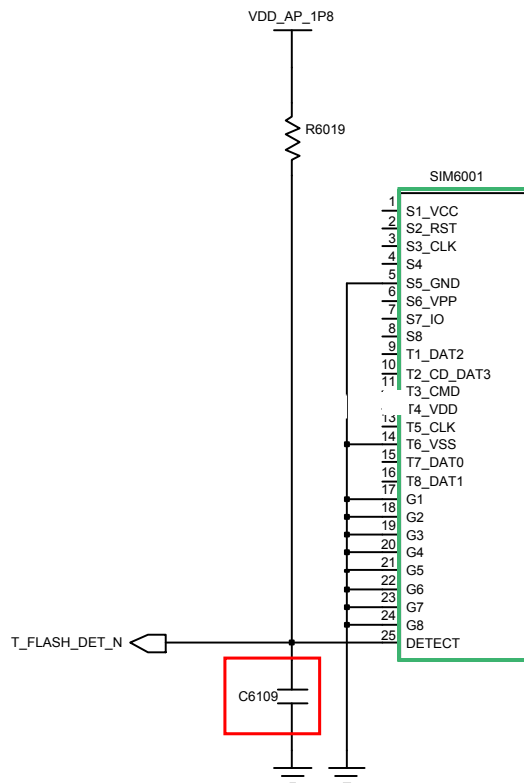
## 8-4-3. No Service



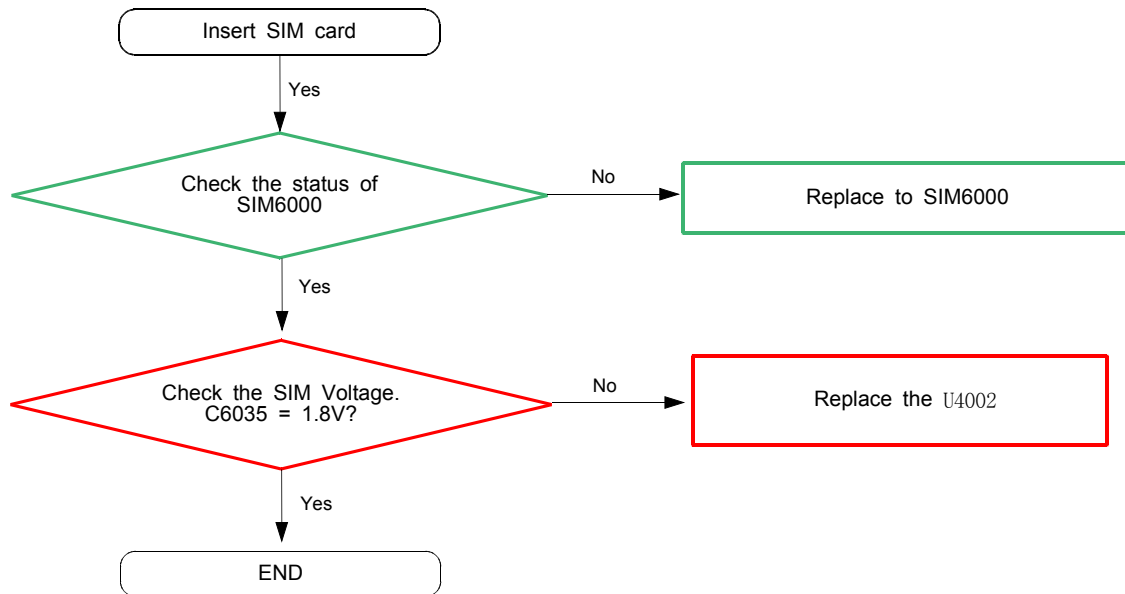
※ Schematic : Refer to the 8-4-2 (Initial)

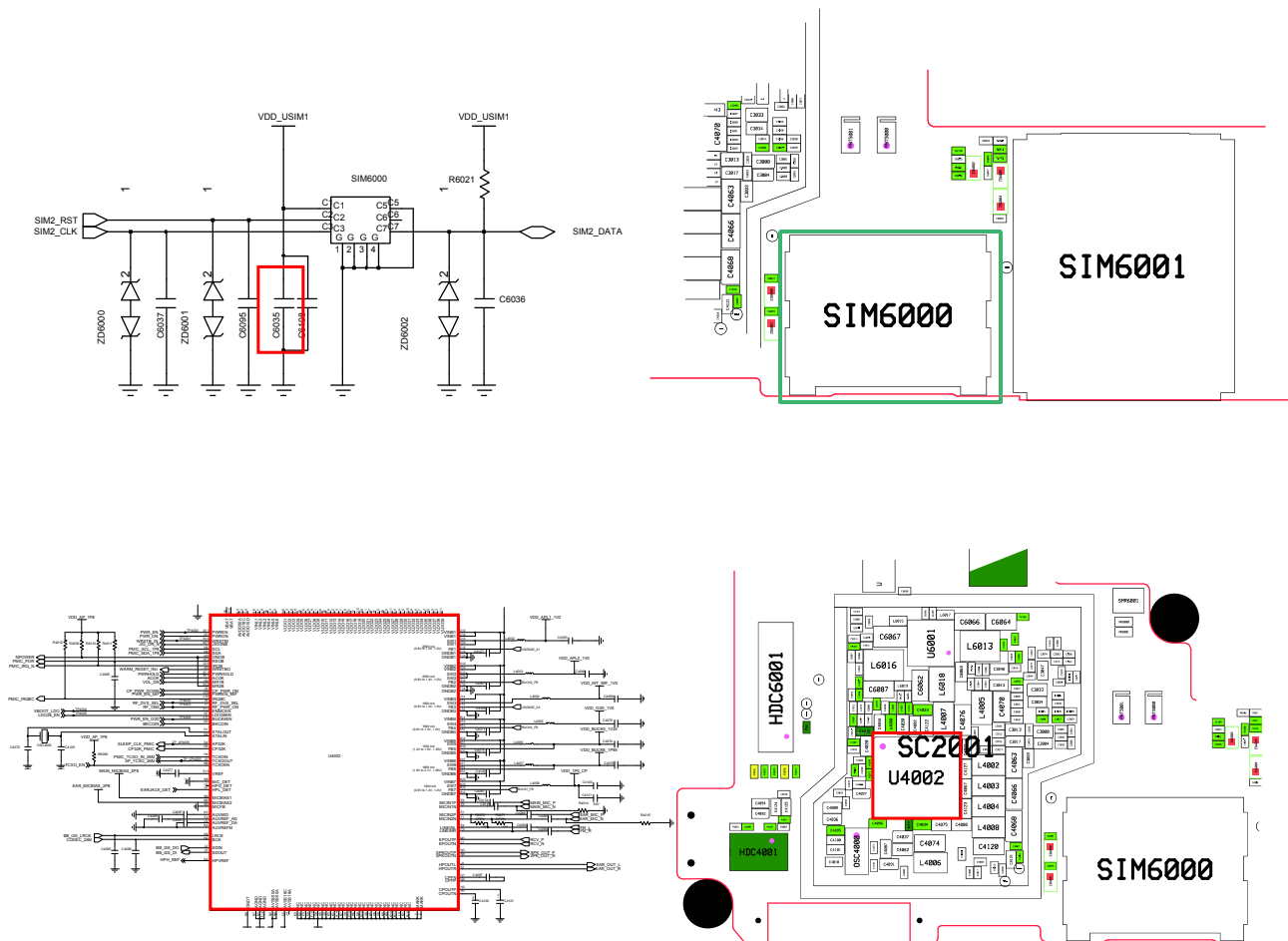
#### 8-4-4. Sim Part - Sim Card 1



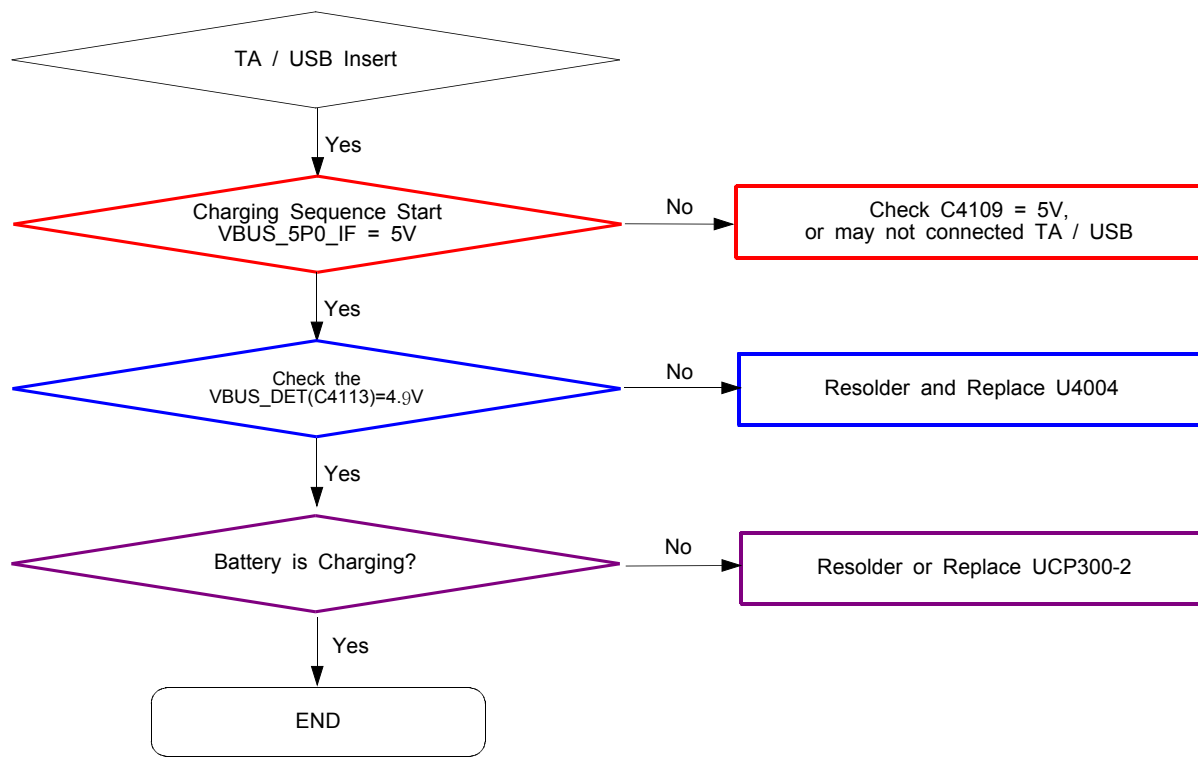


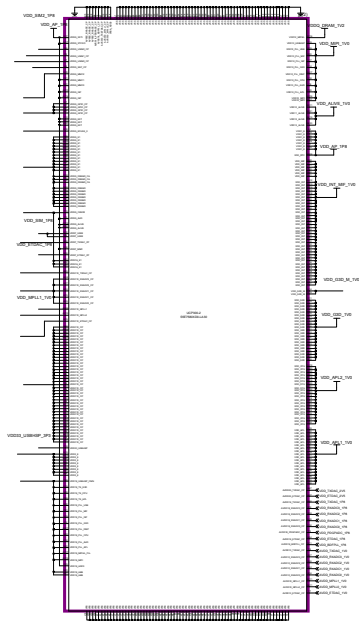
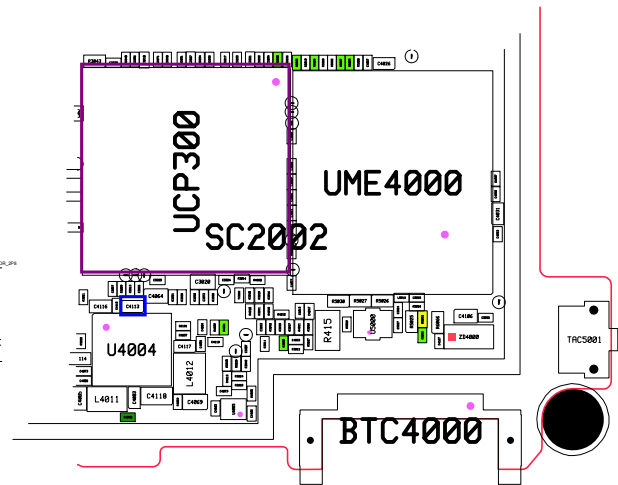
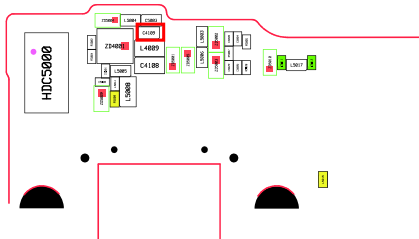
#### 8-4-4. Sim Part - Sim Card 2





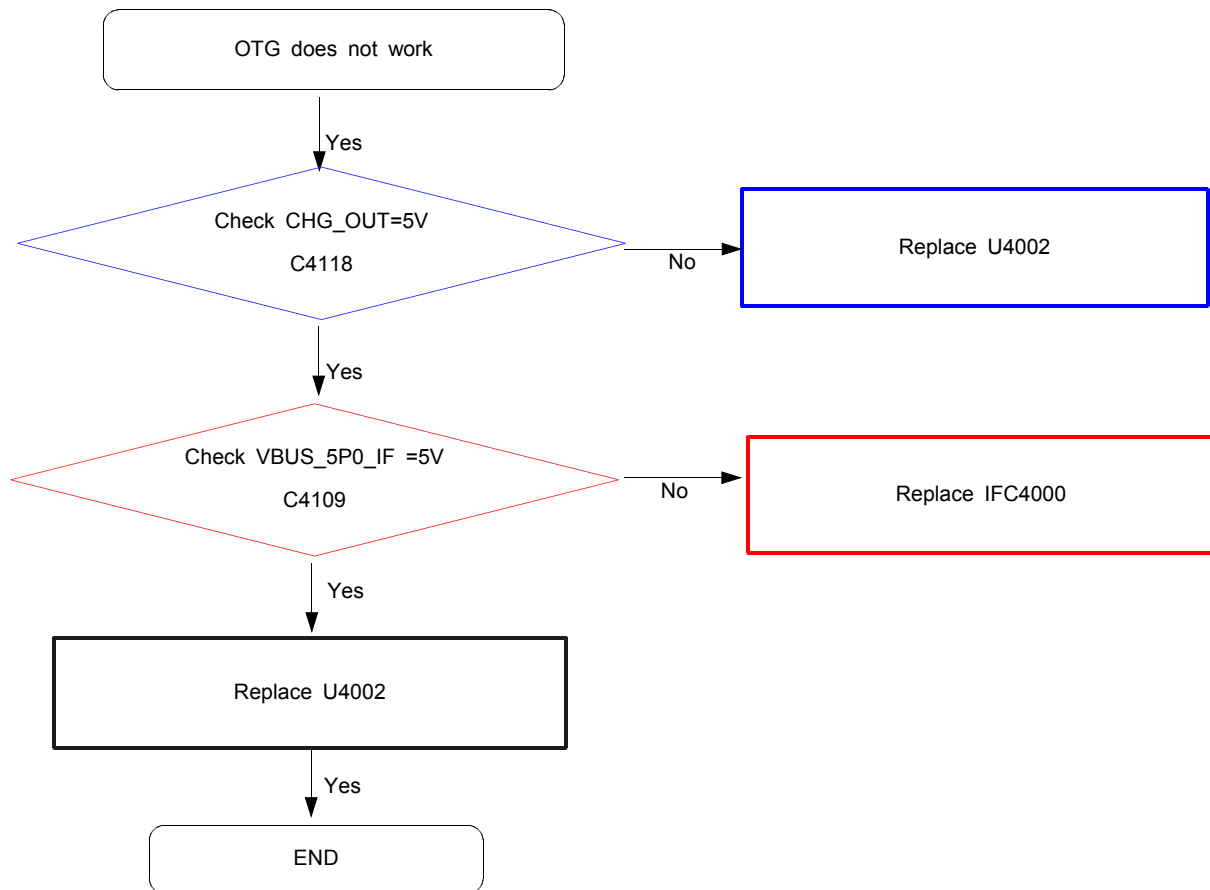
## 8-4-5. Charging Part

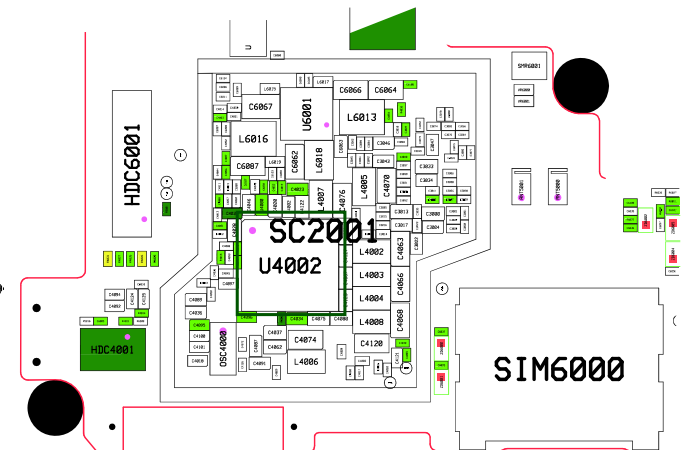
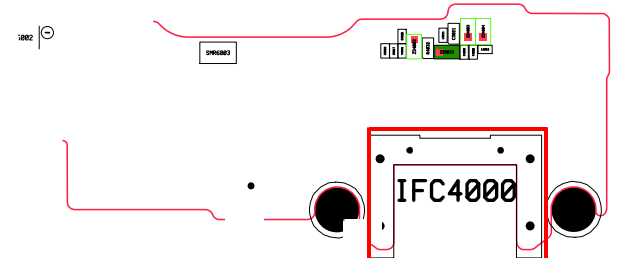
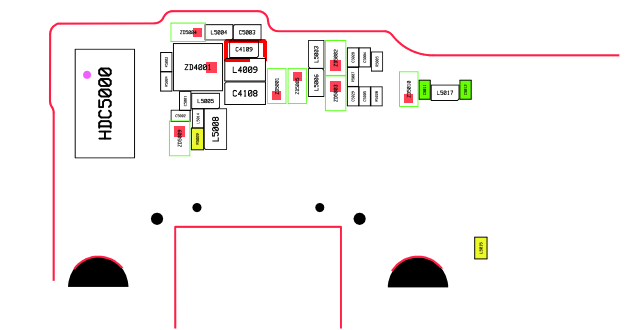
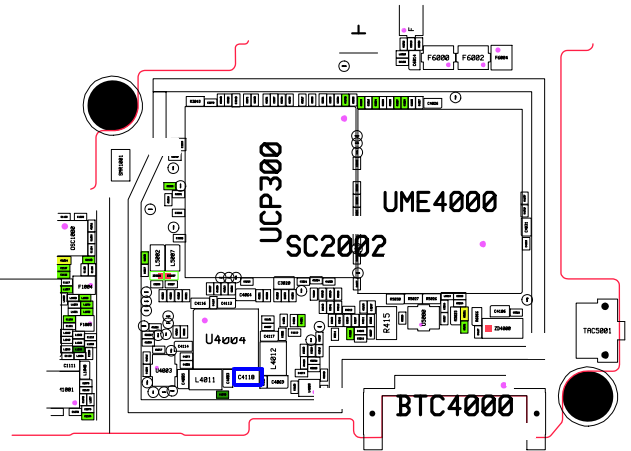




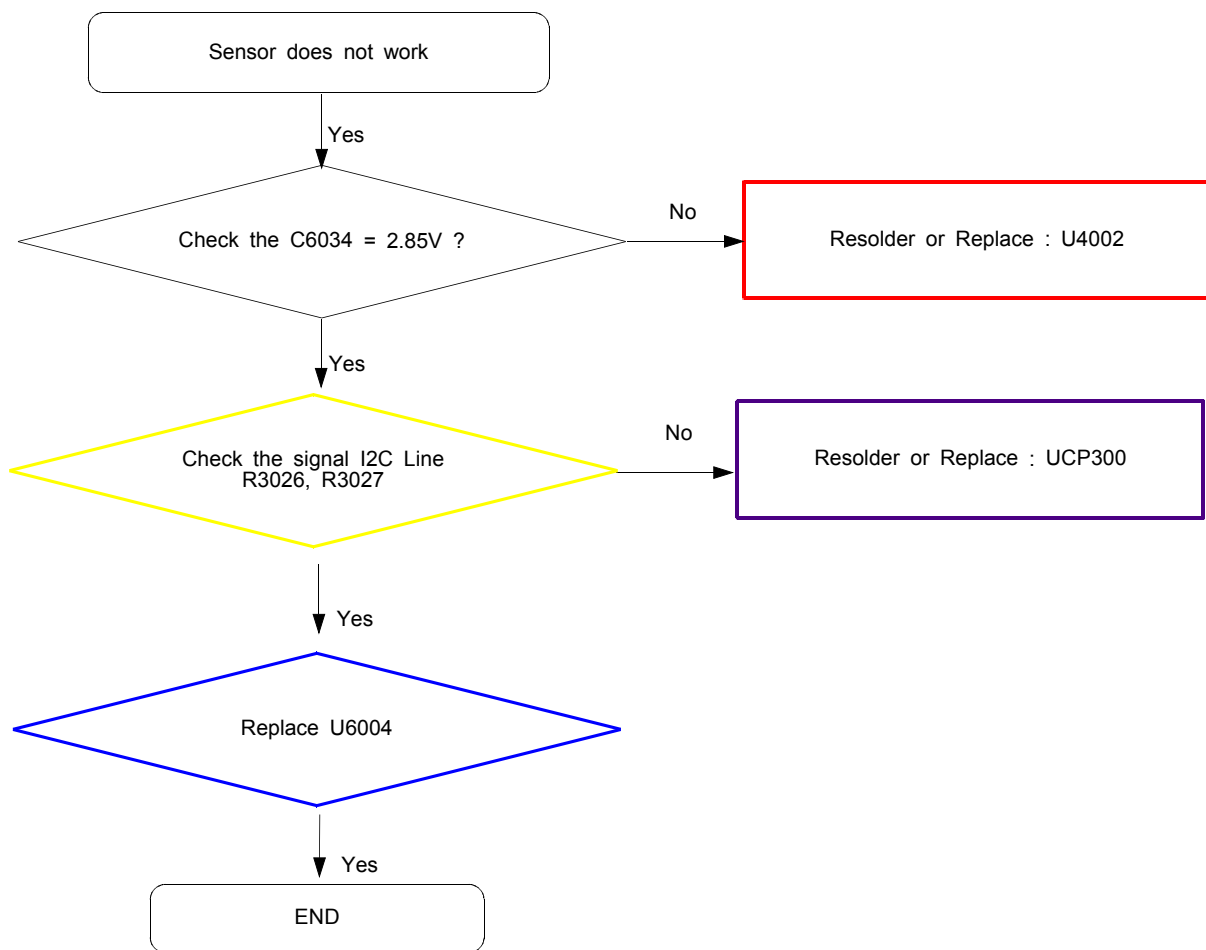


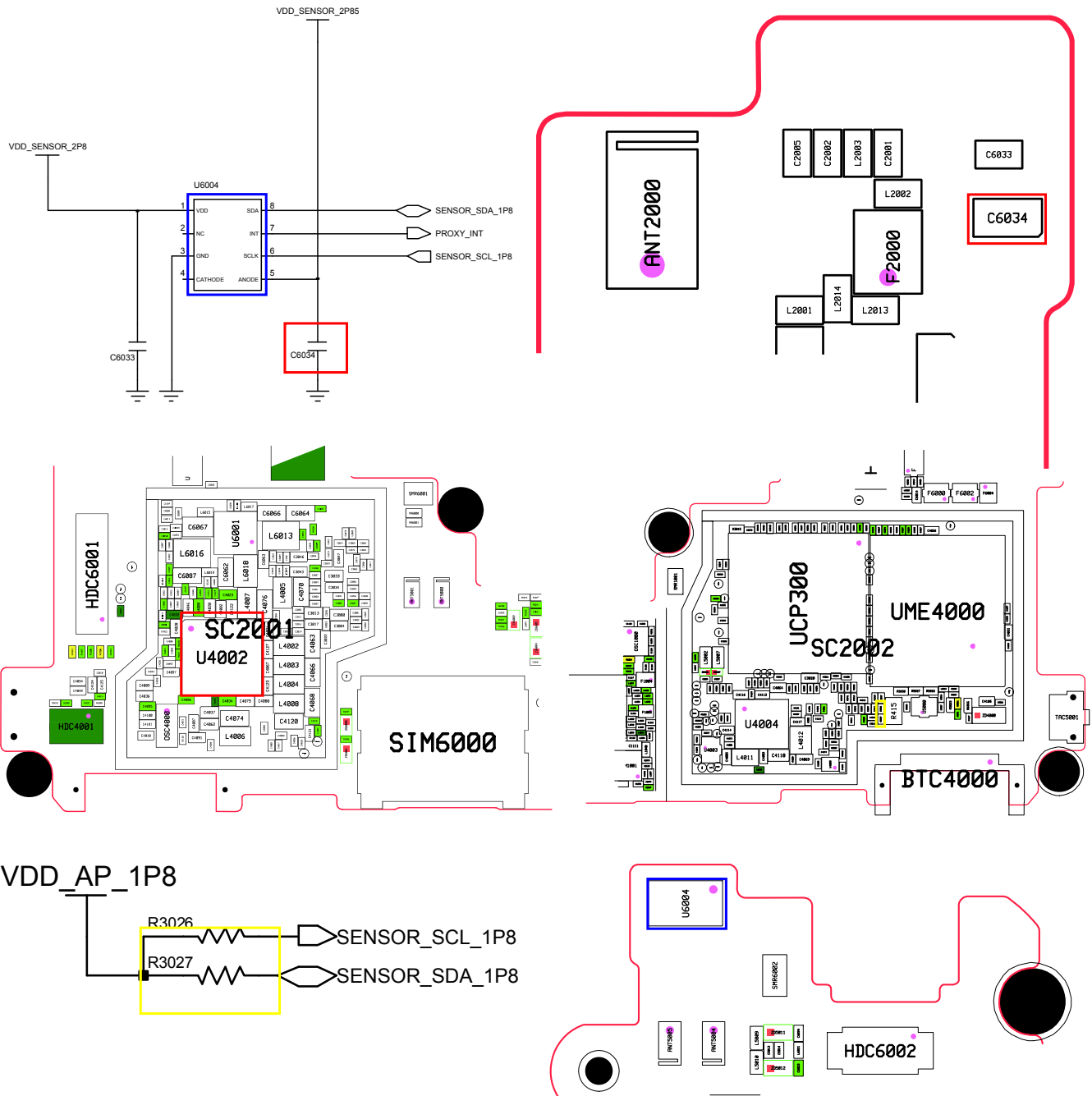
#### 8-4-6. OTG



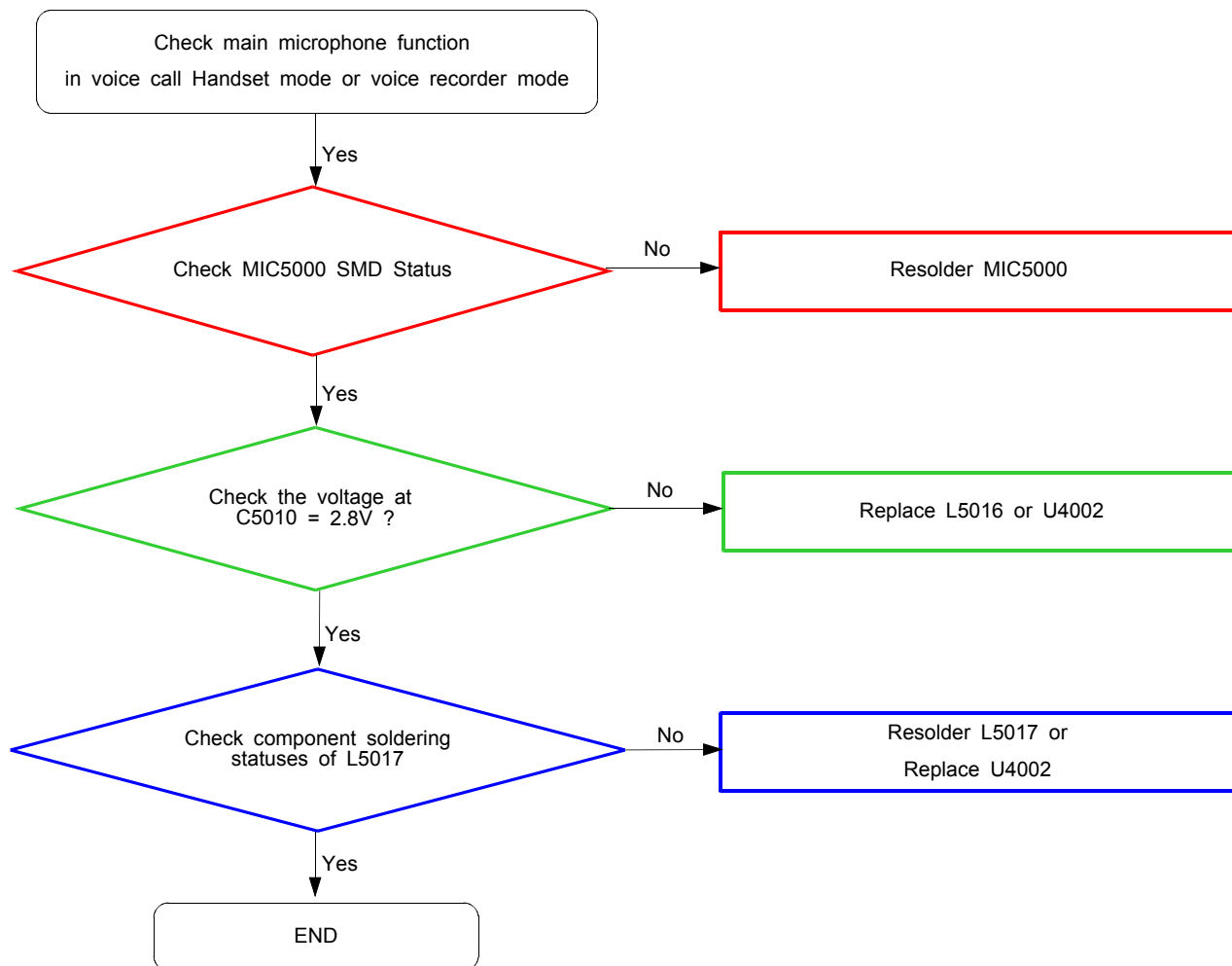


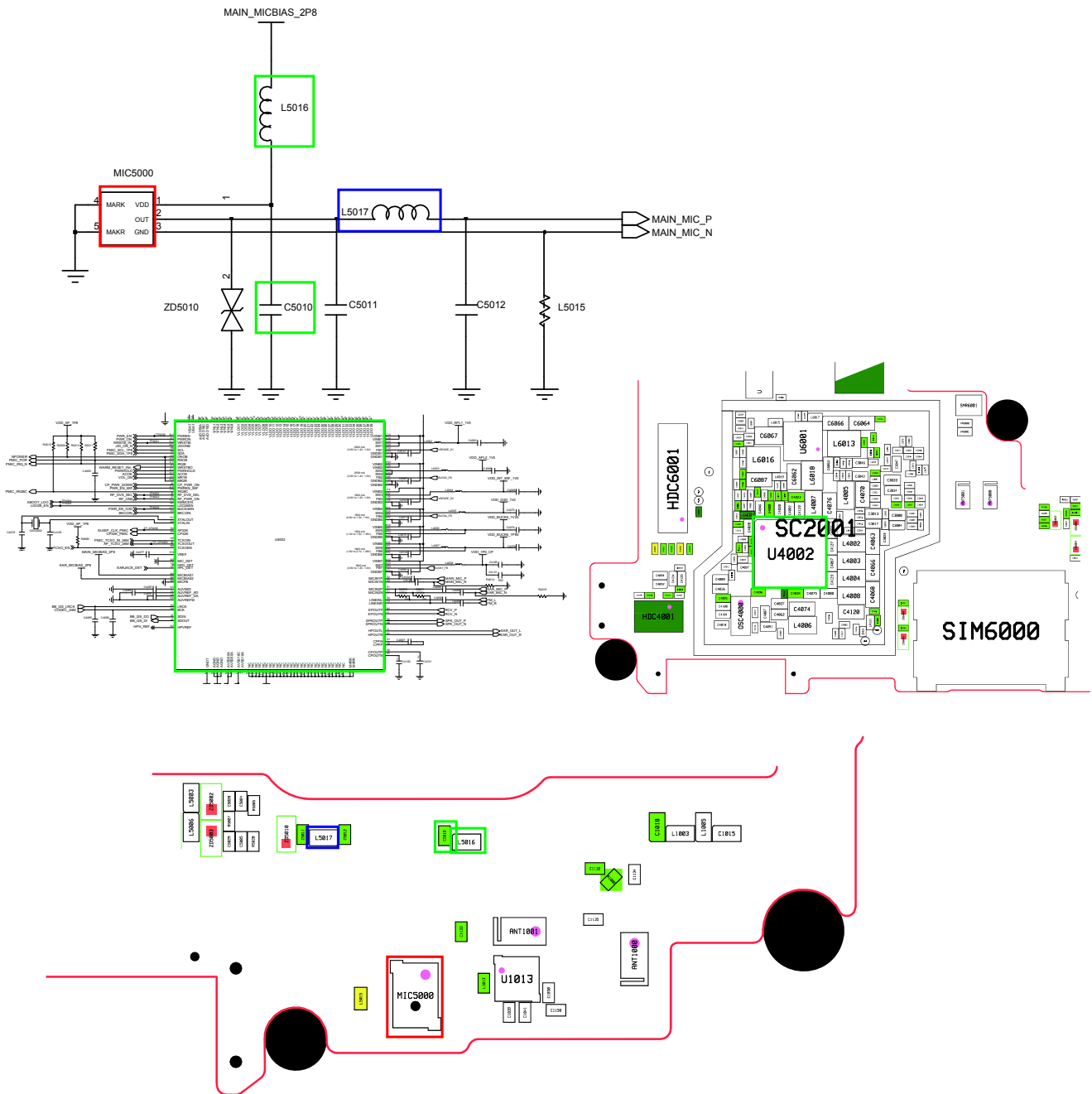
## 8-4-7. Proxy Sensor



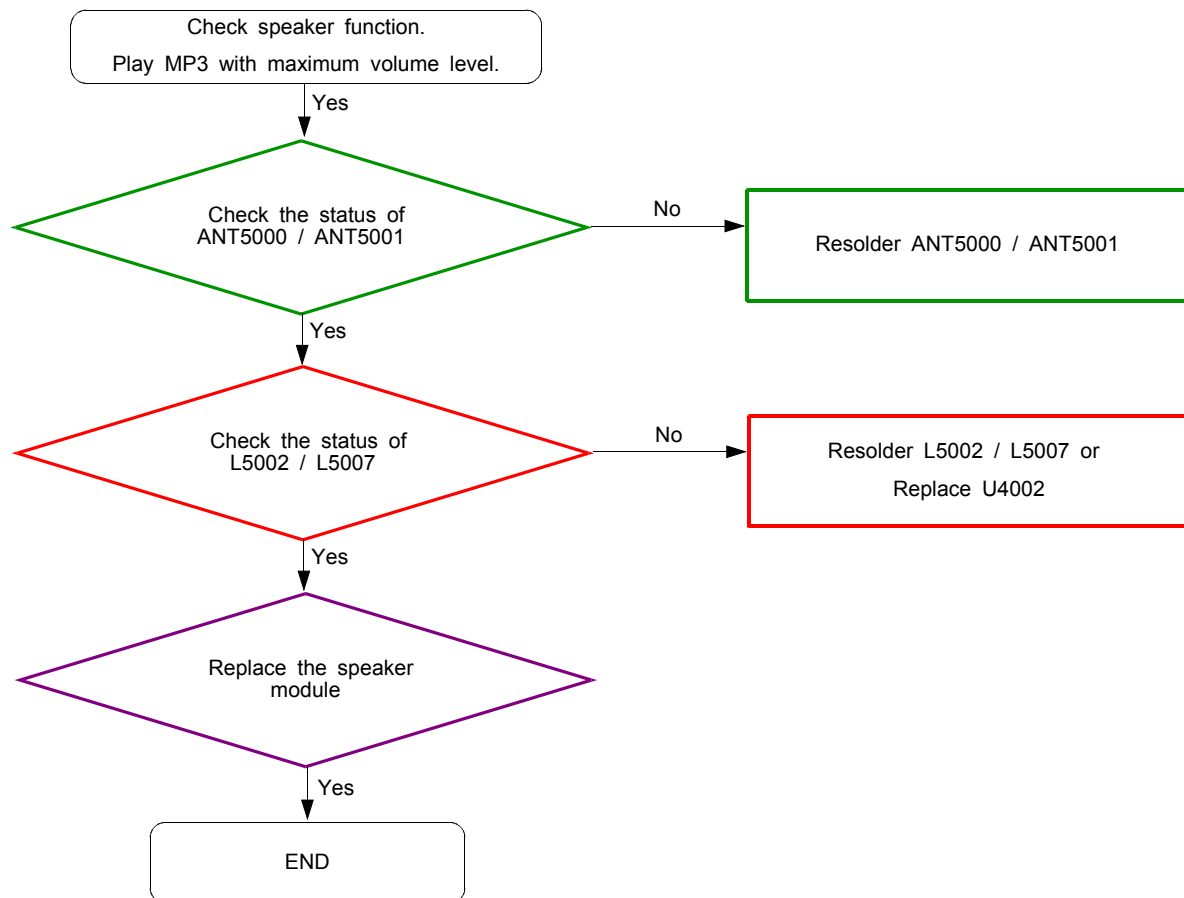


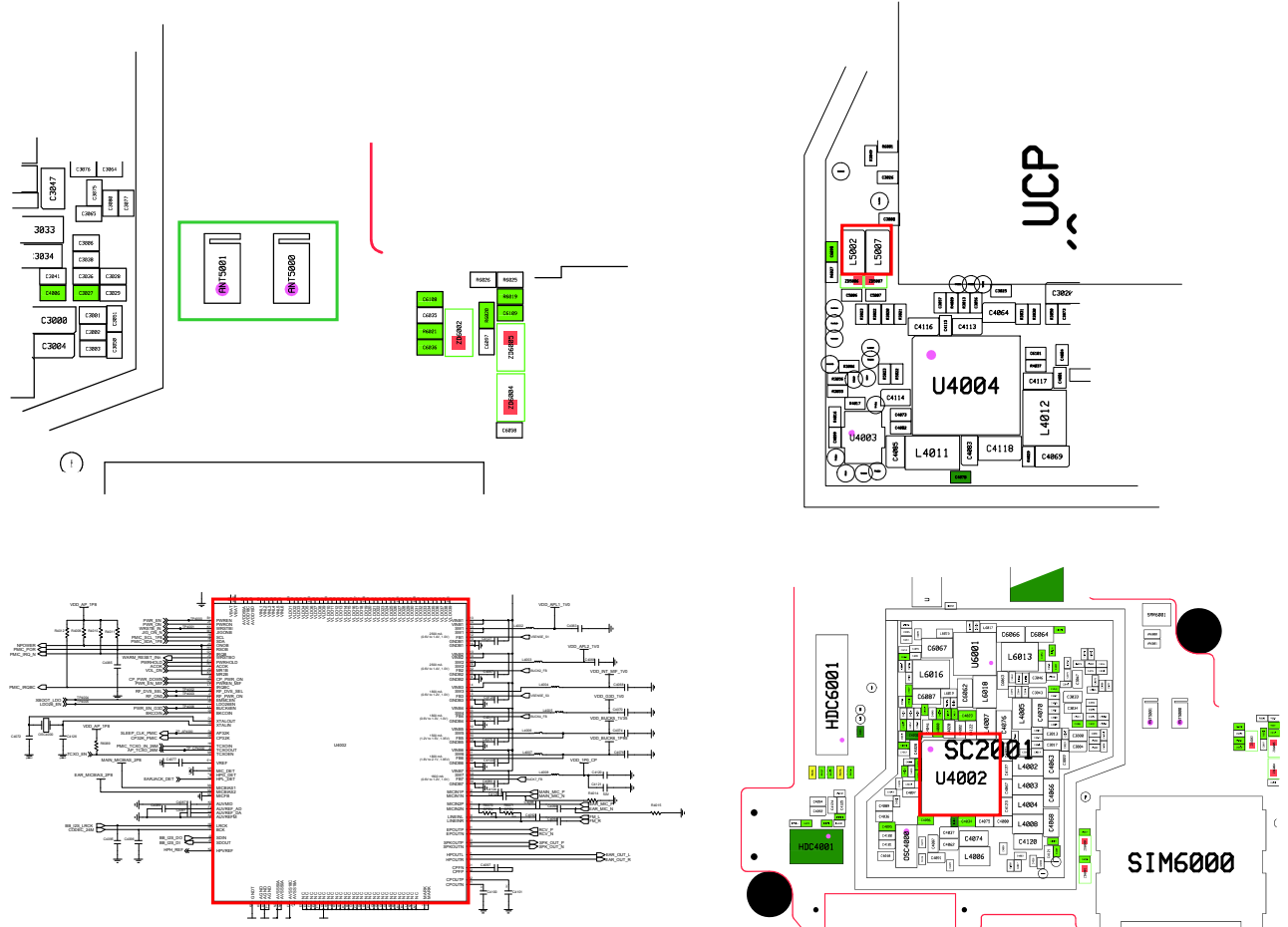
## 8-4-8 Microphone Part - Main MIC





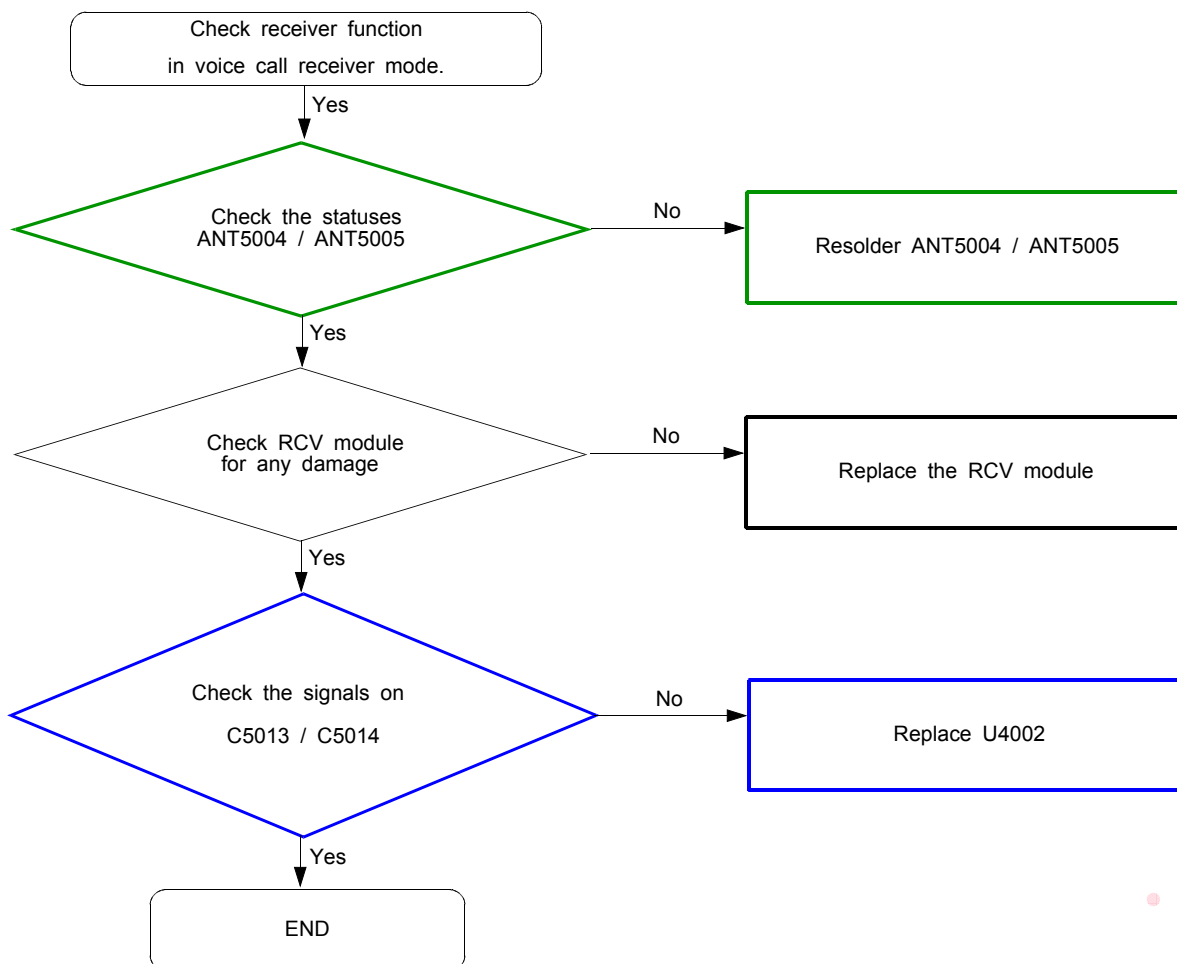
#### 8-4-9. Speaker Part

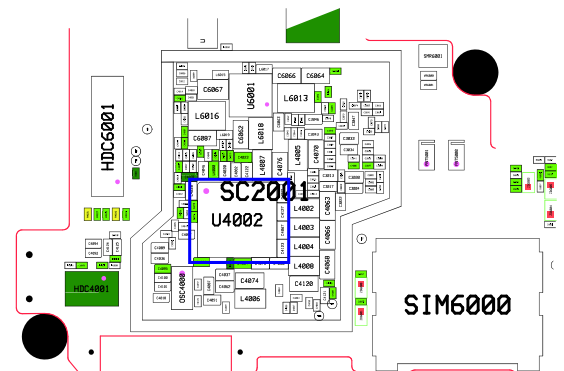
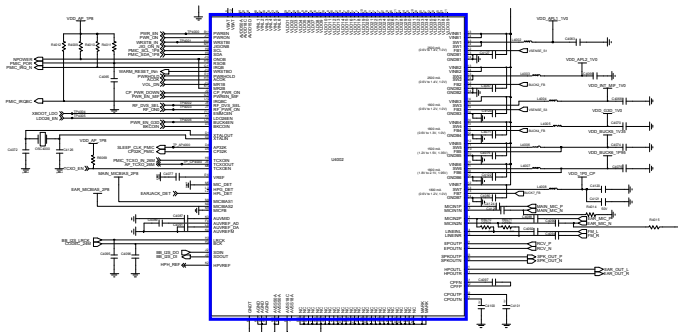
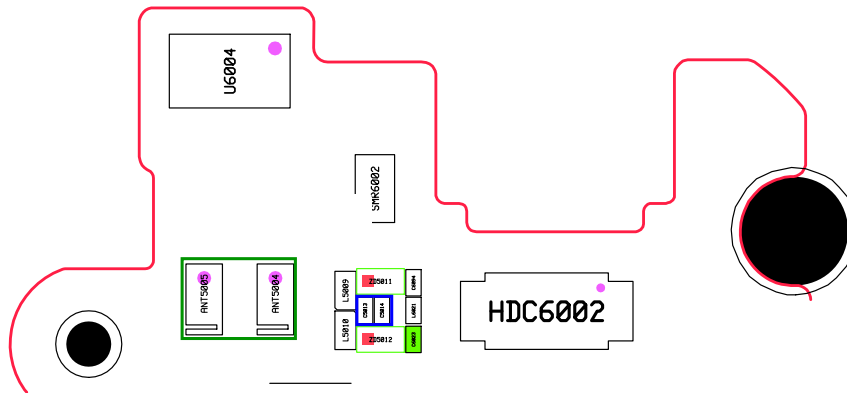
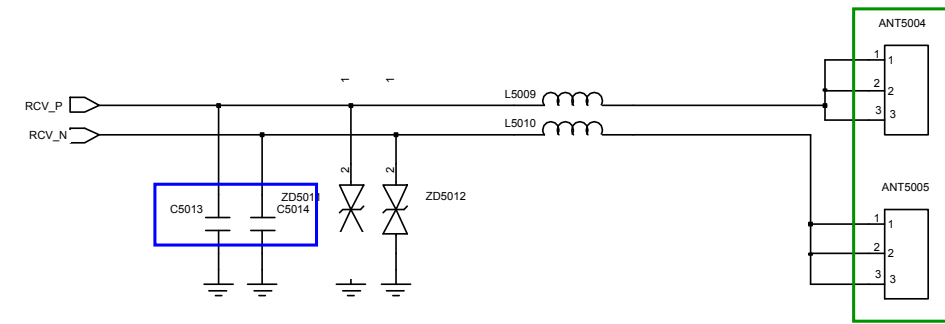




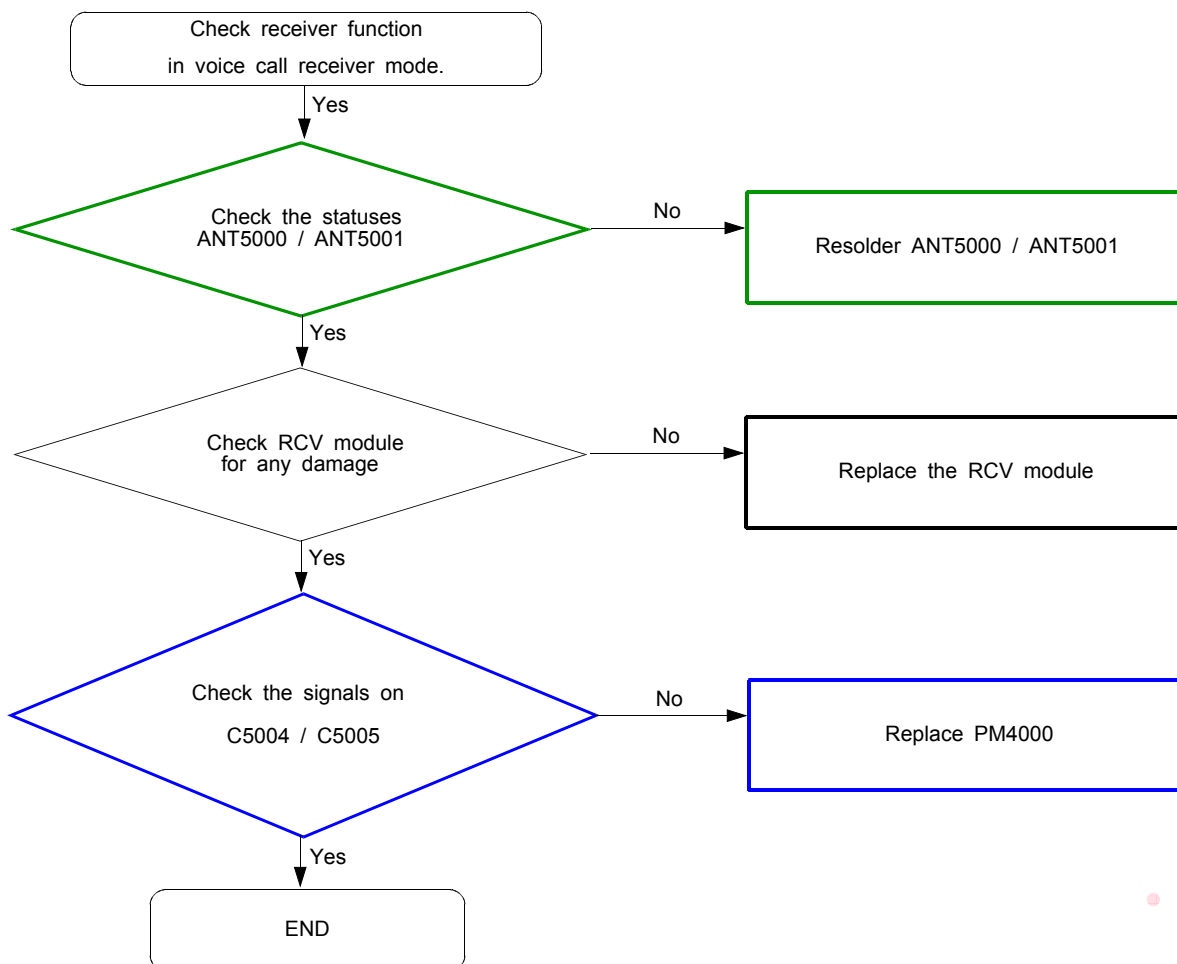


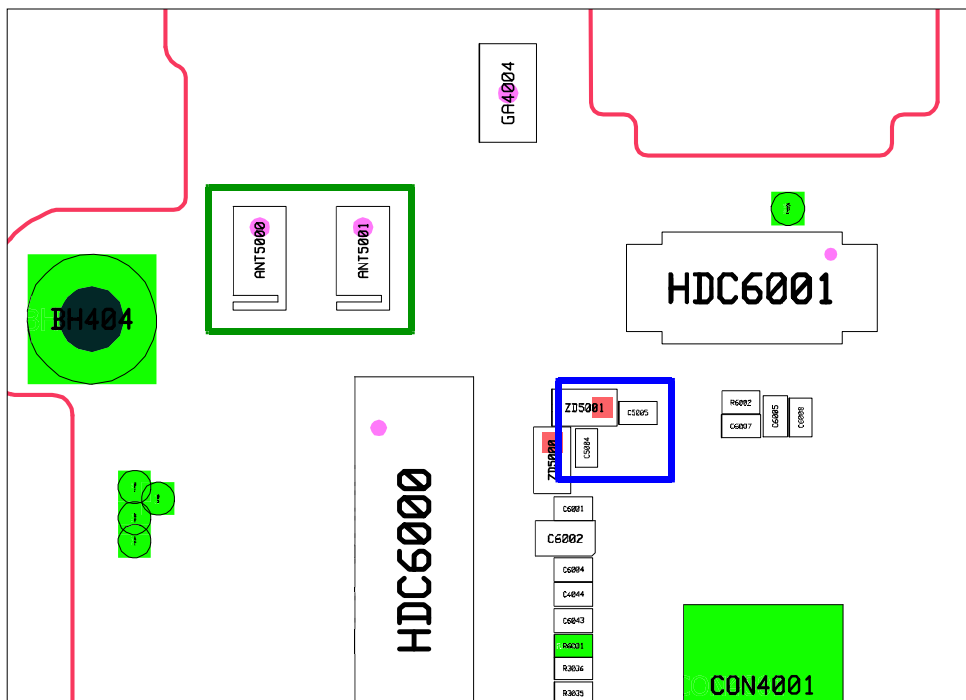
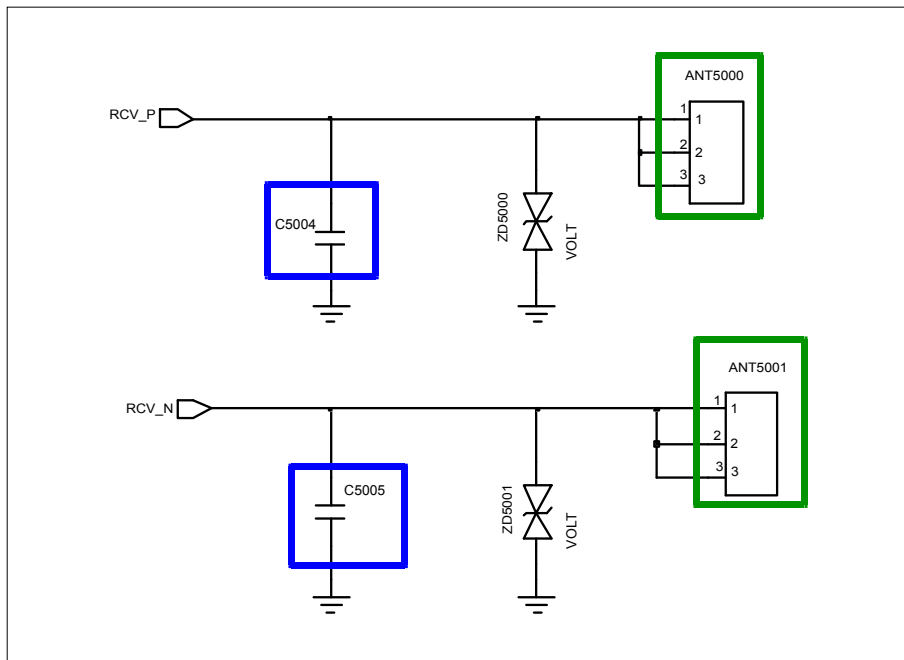
## 8-4-10. Receiver Part



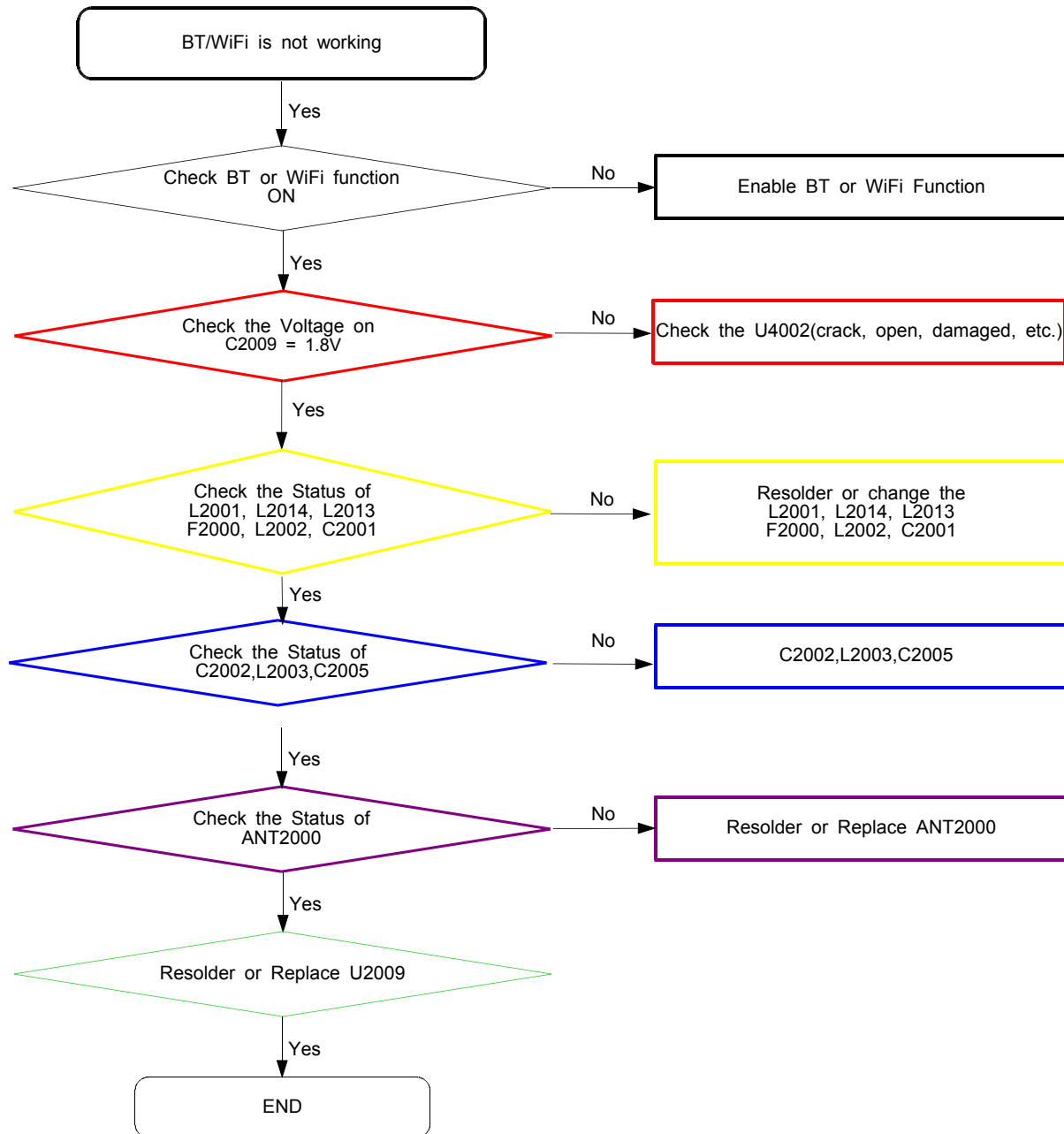


## 8-4-10. Receiver Part



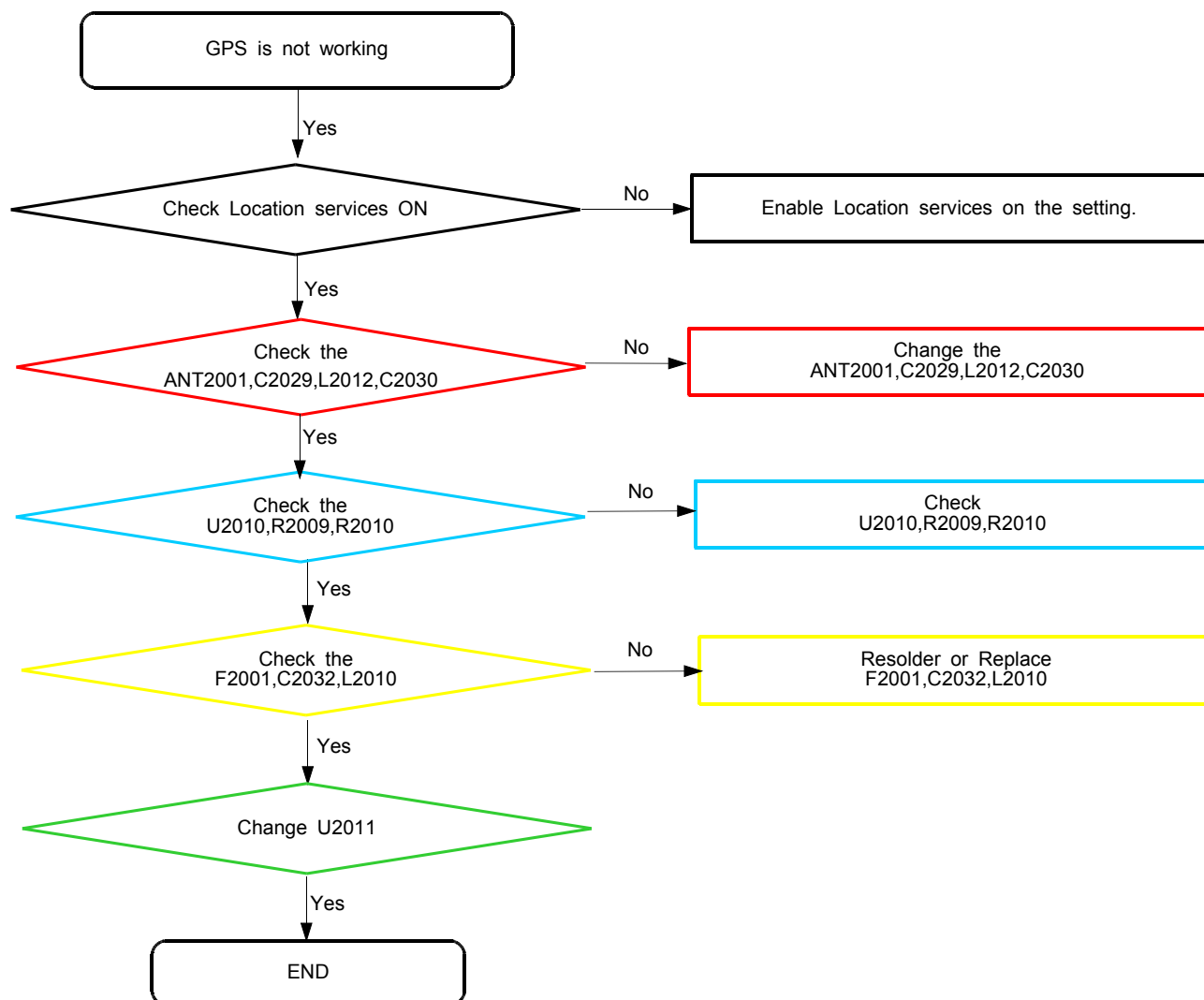


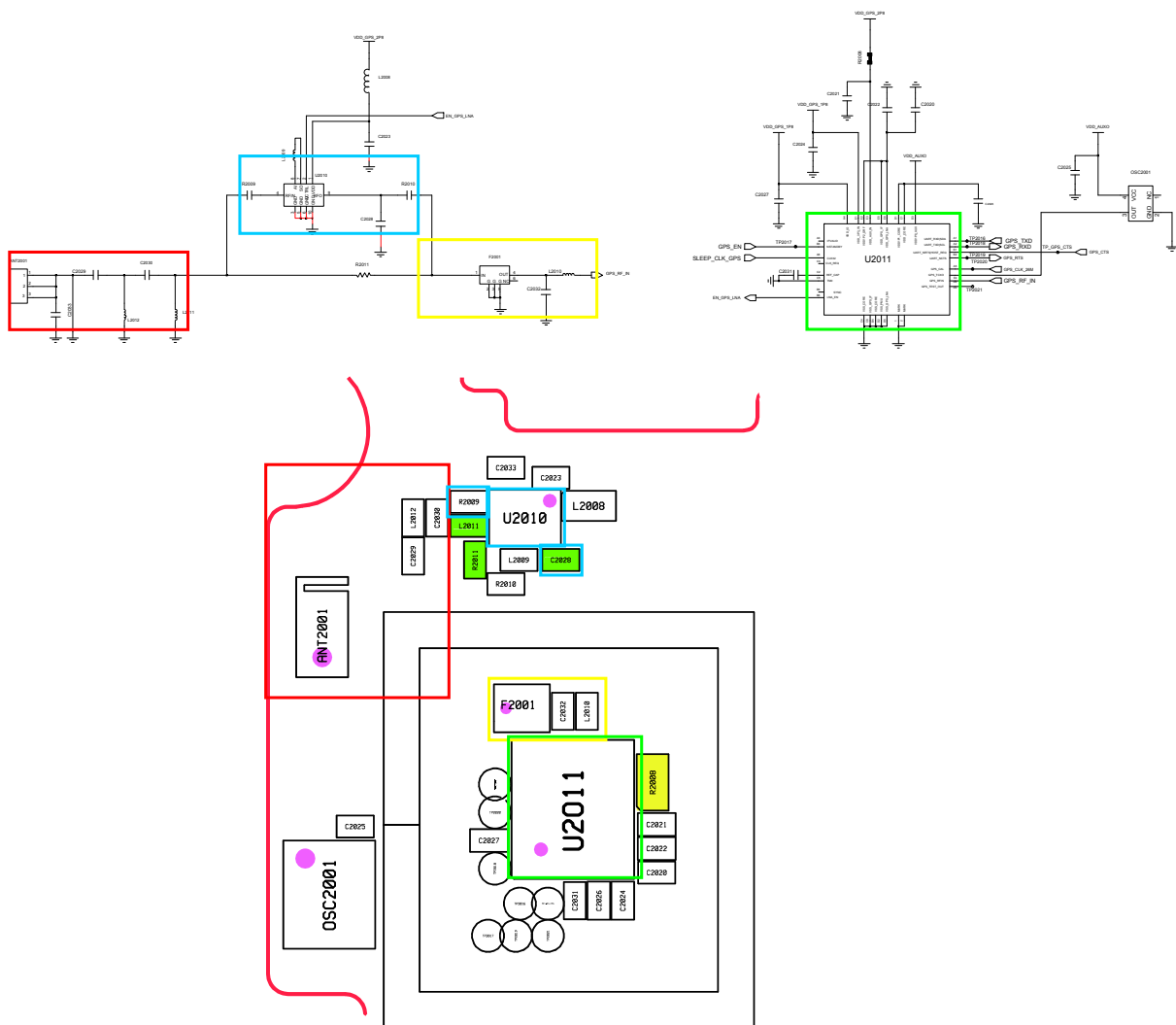
# 8-4-11. BT/WIFI





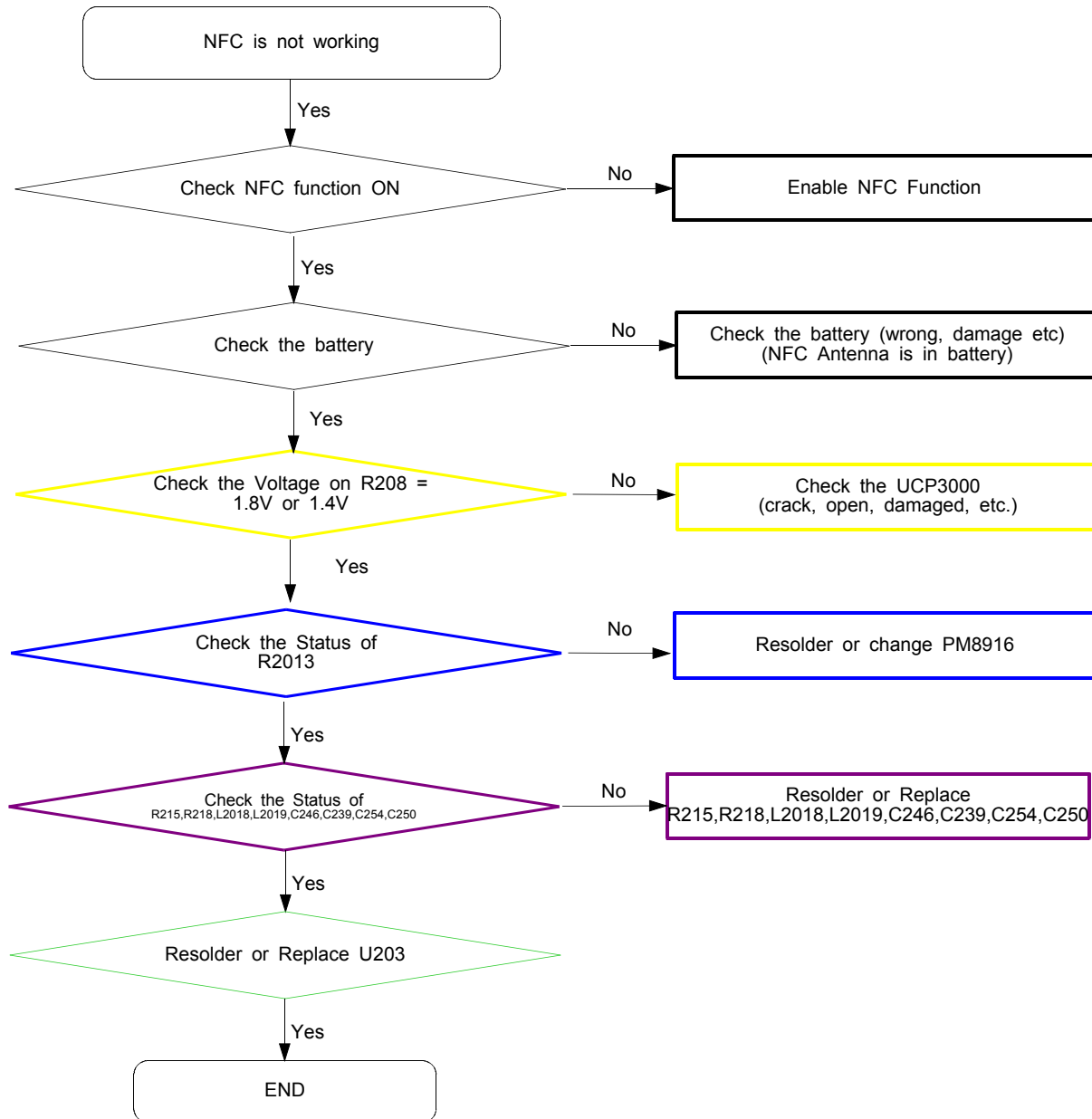
## 8-4-12. GPS

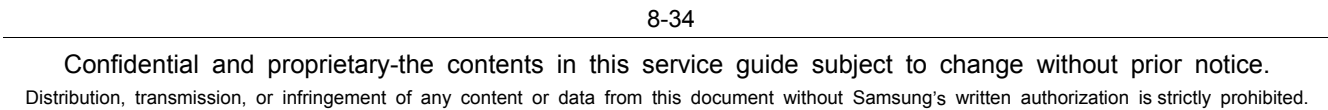
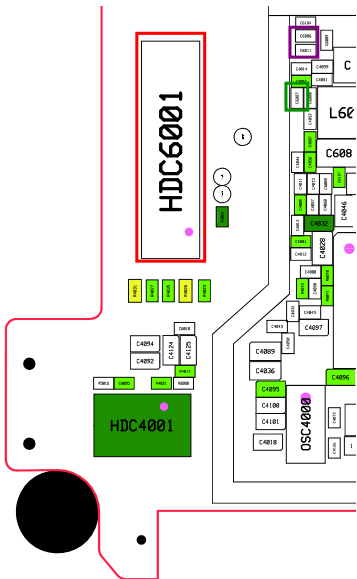
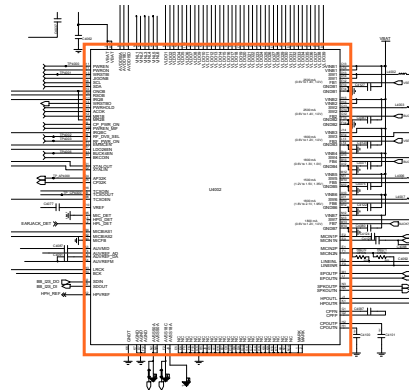




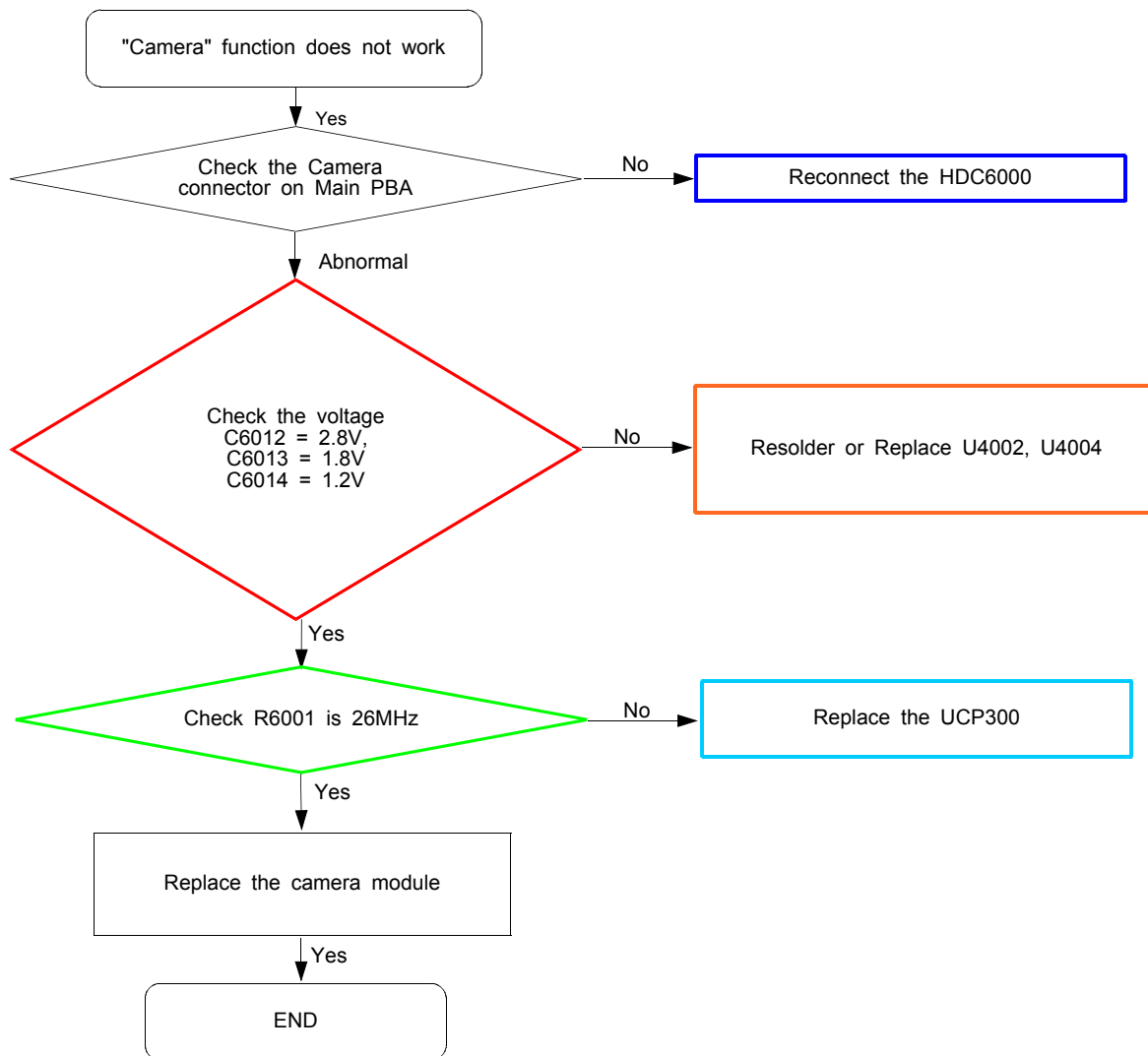


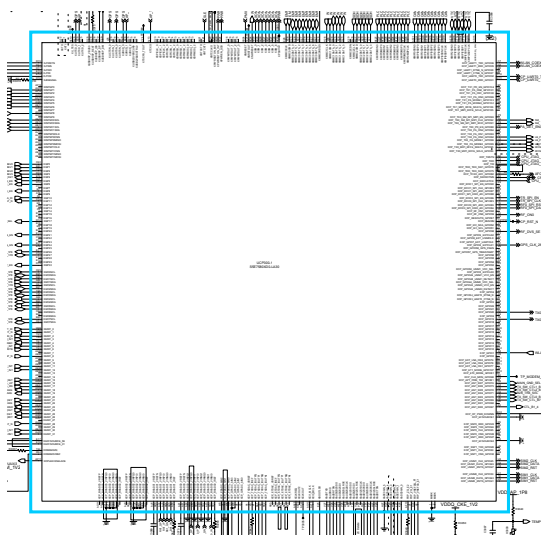
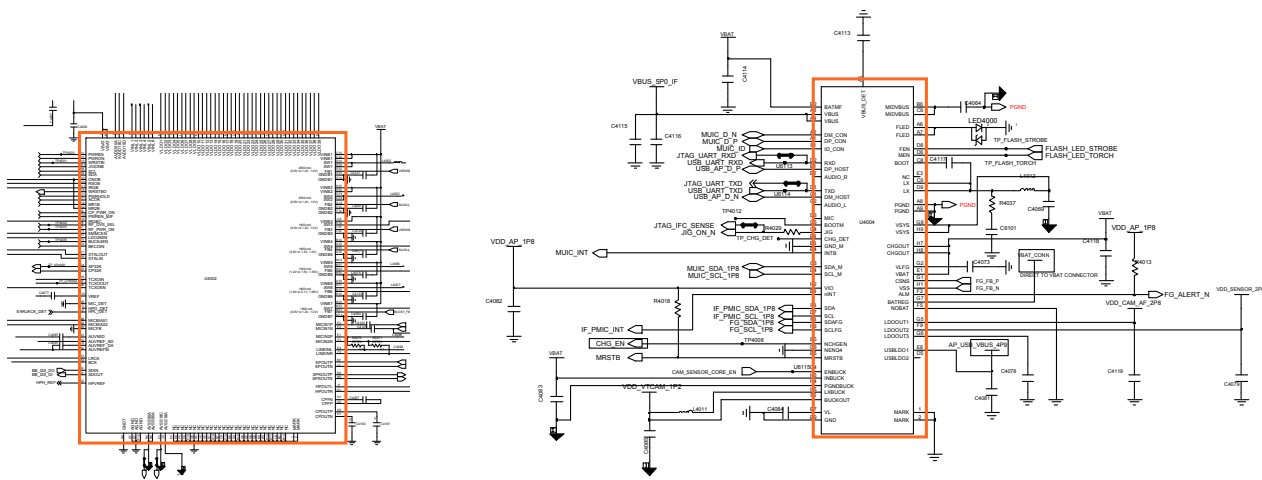
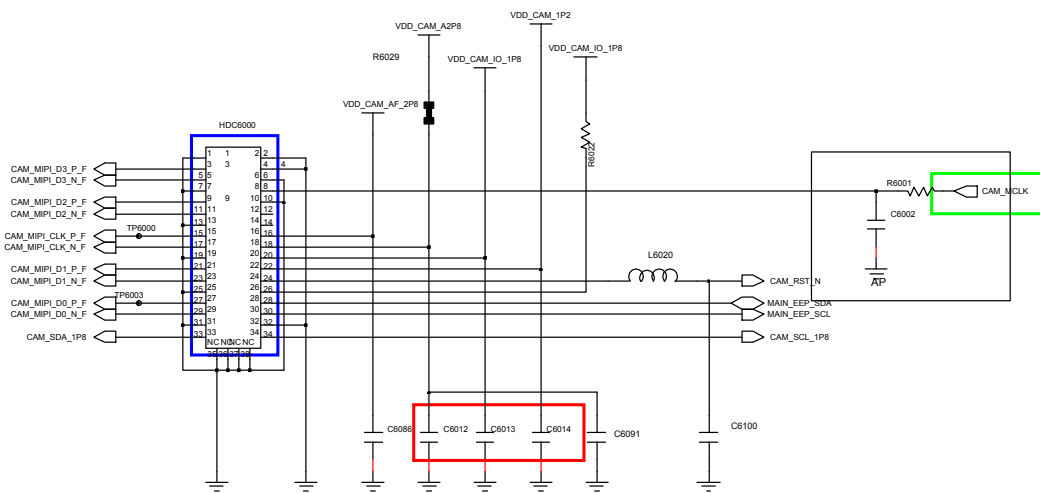
# 8-4-14. OCTA (LCD + TSP)

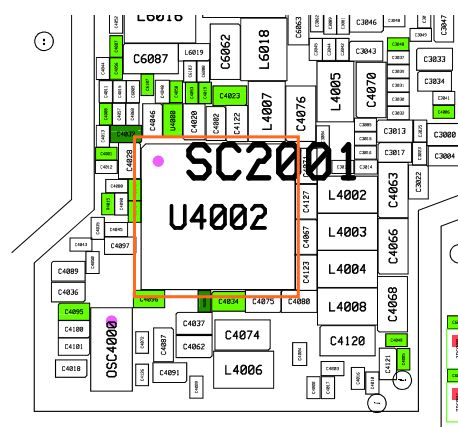
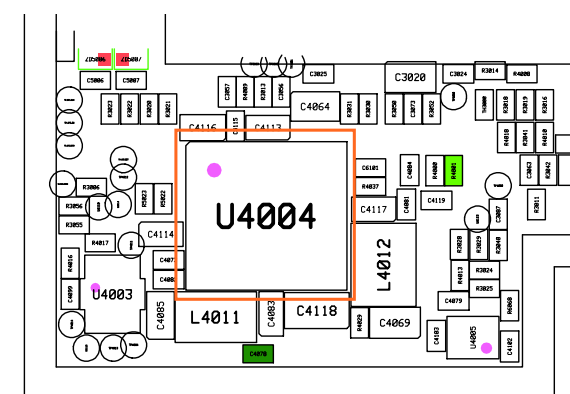




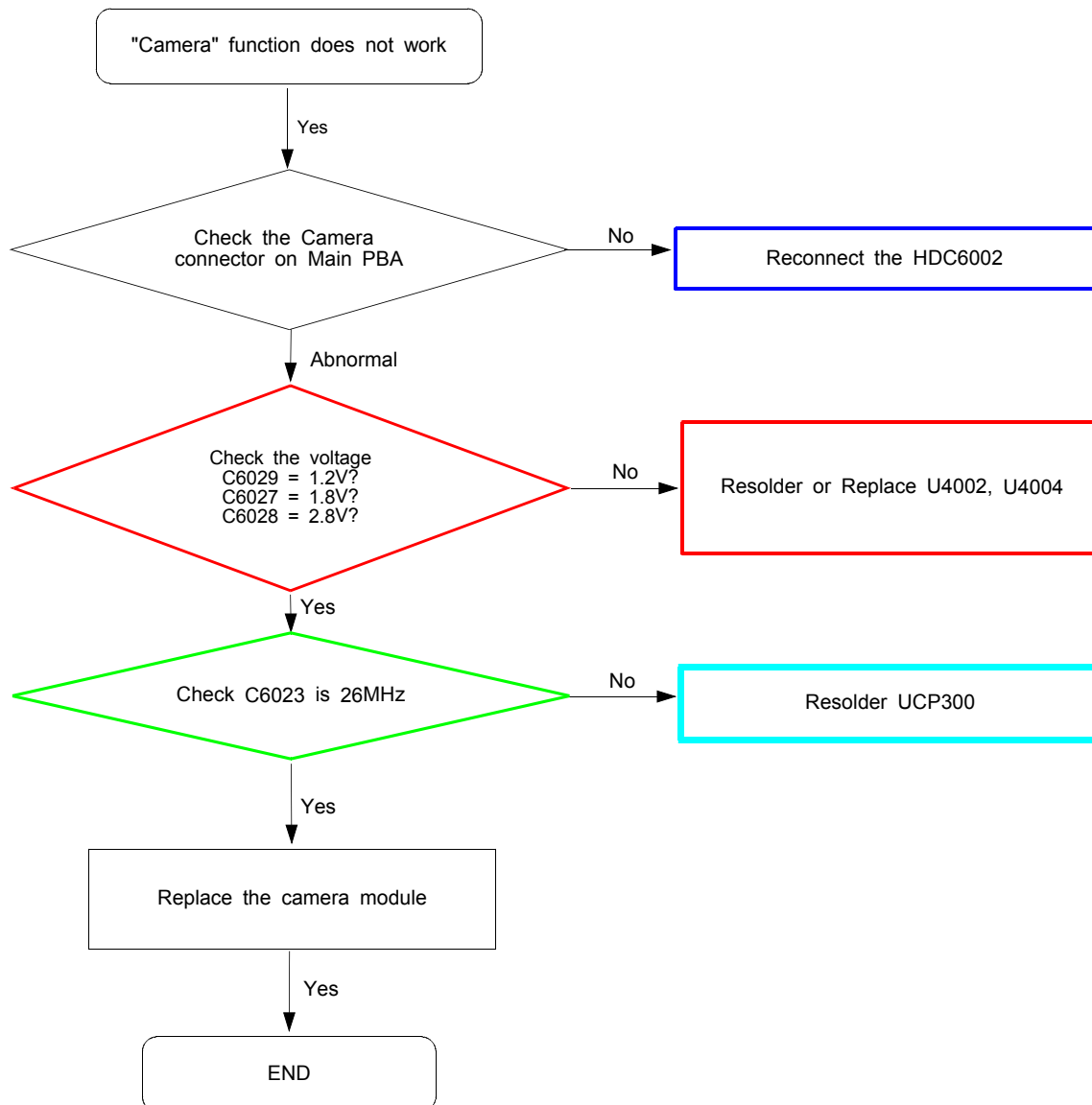
# 8-4-15. 13M CAM

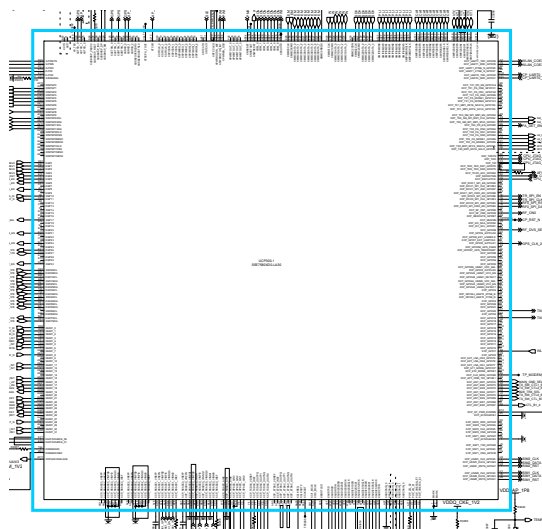
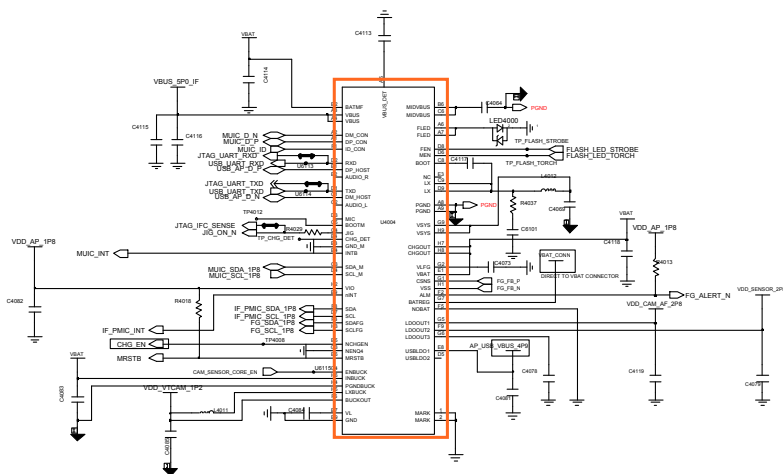
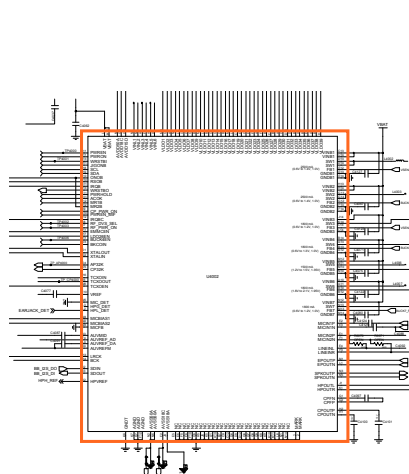
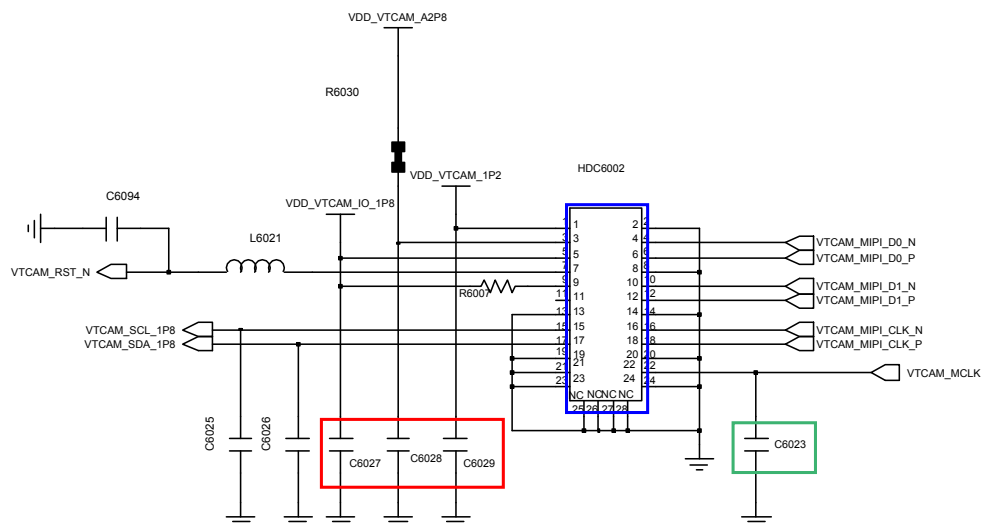


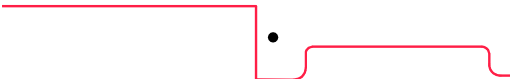




## 8-4-16. VT CAM

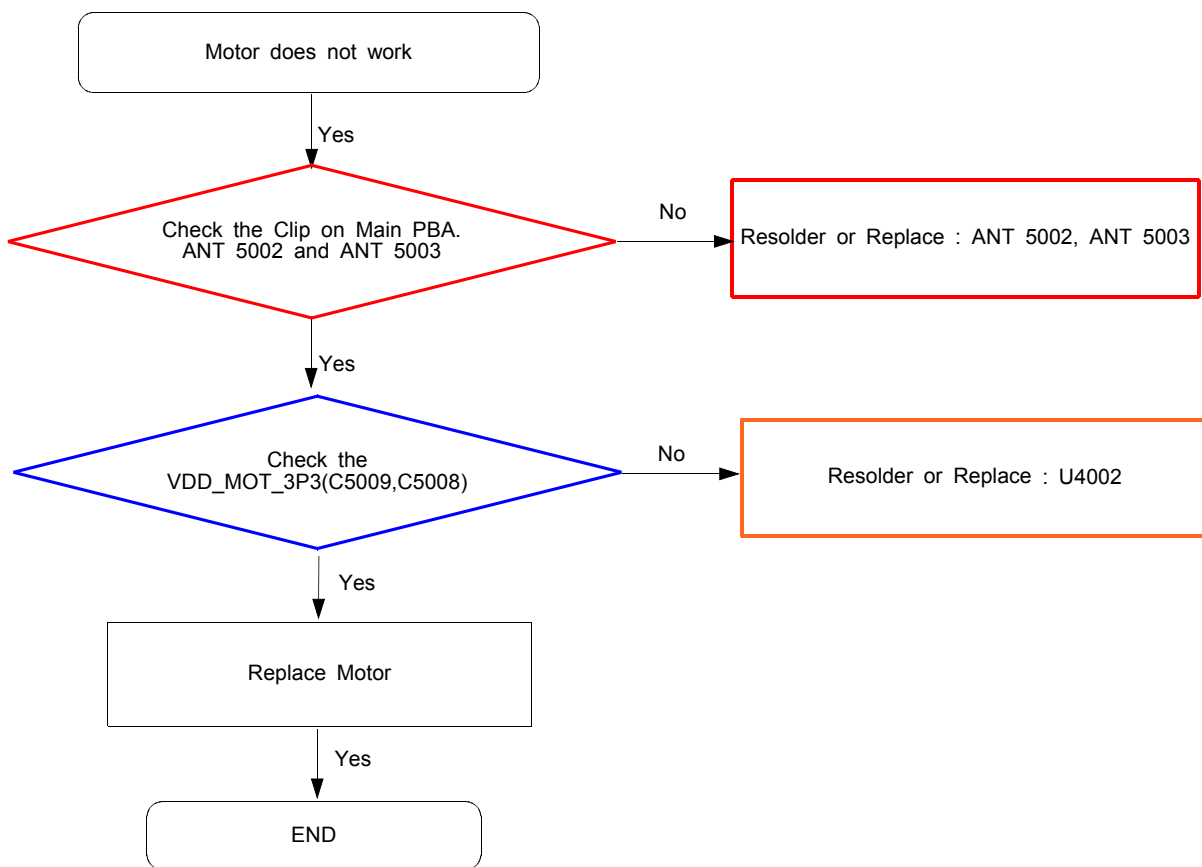


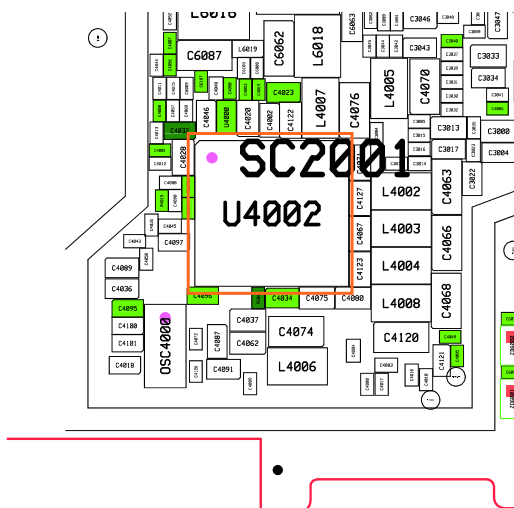
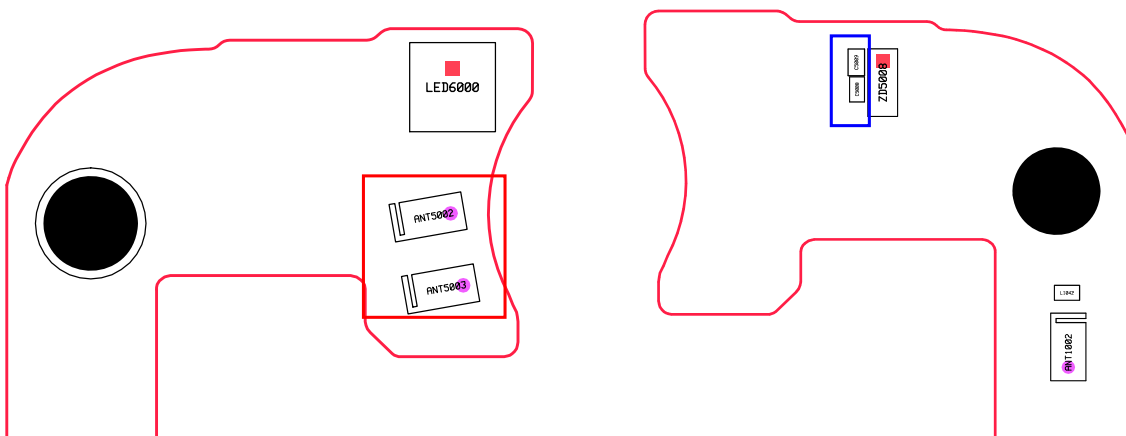




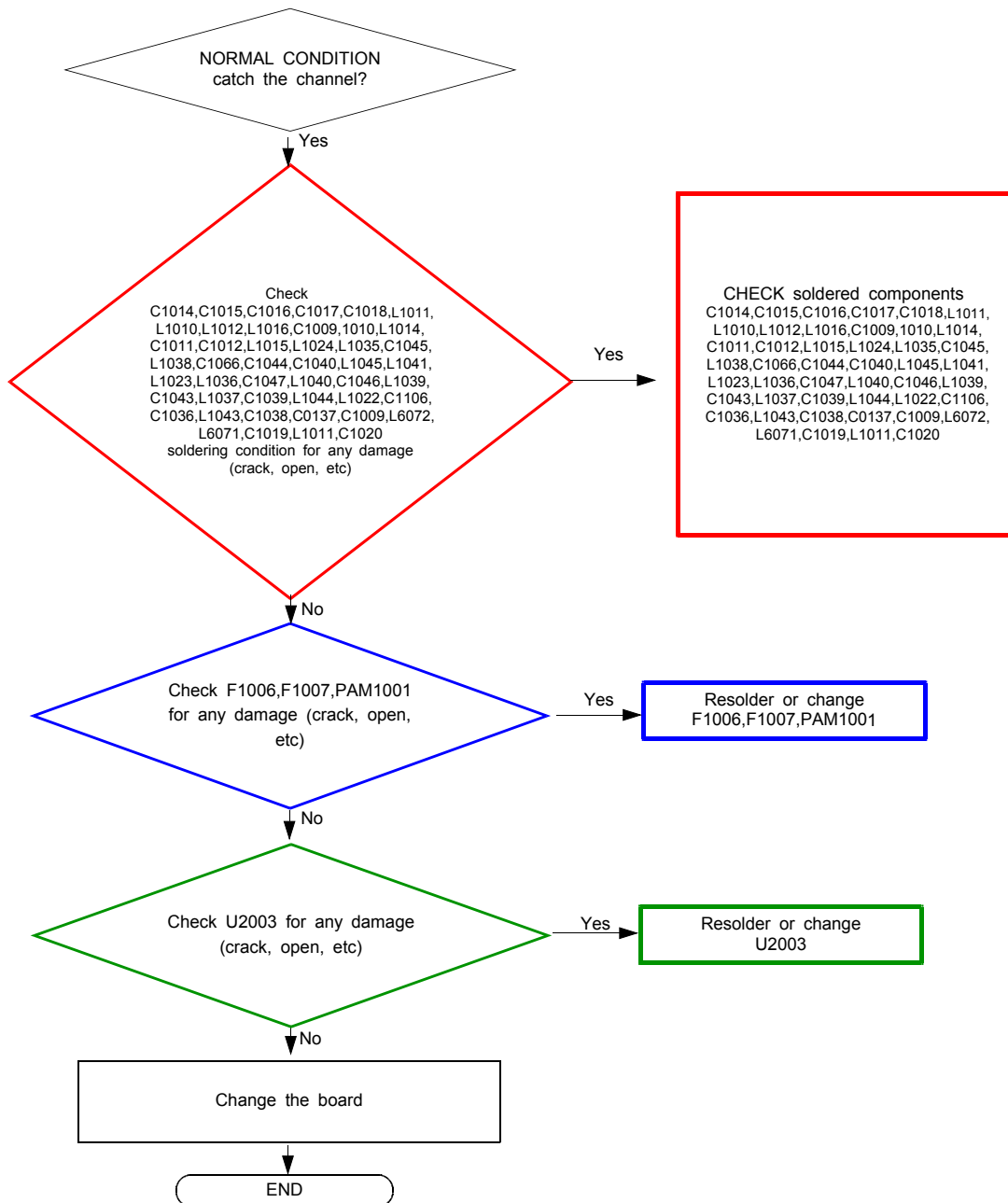


## 8-4-17. Motor



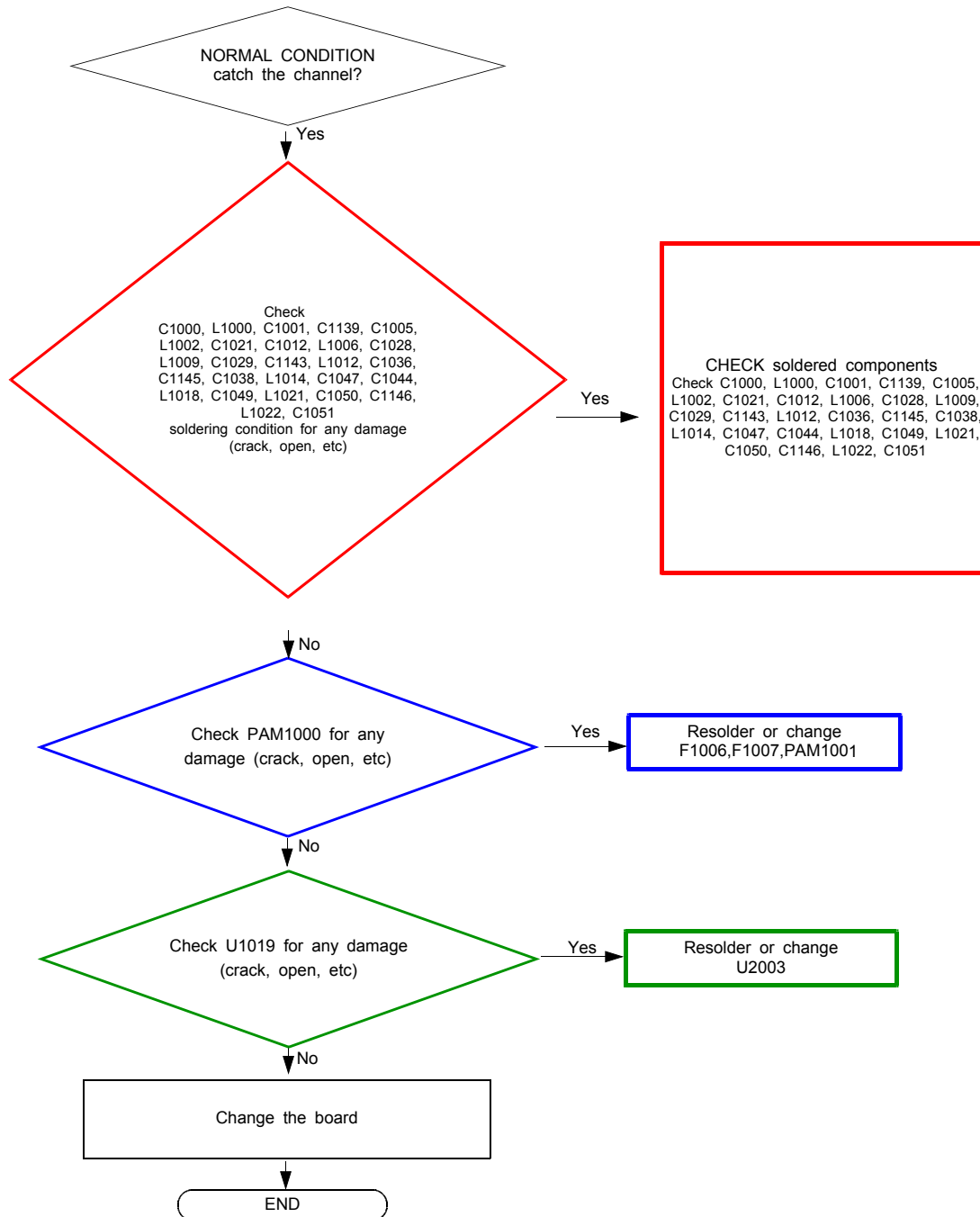


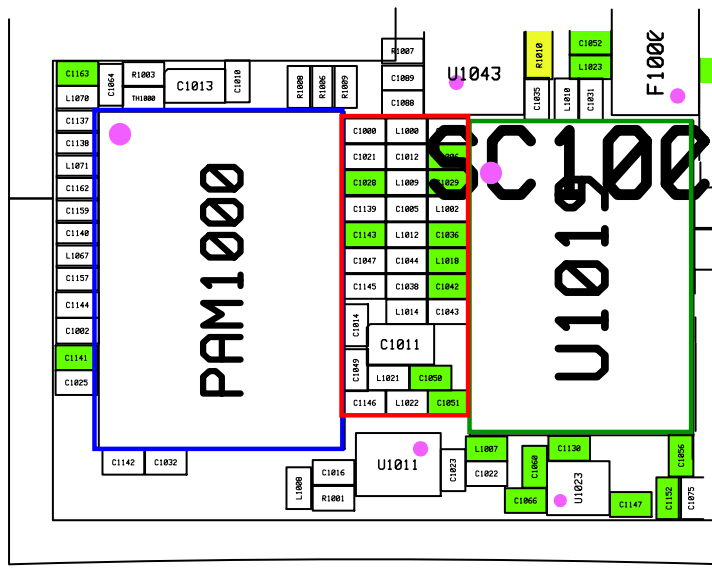
8-4-19. GSM 850,900,1800,1900 / WCDMA BAND 1,2,5,8 / LTE BAND 1,3,5,8,20 RX



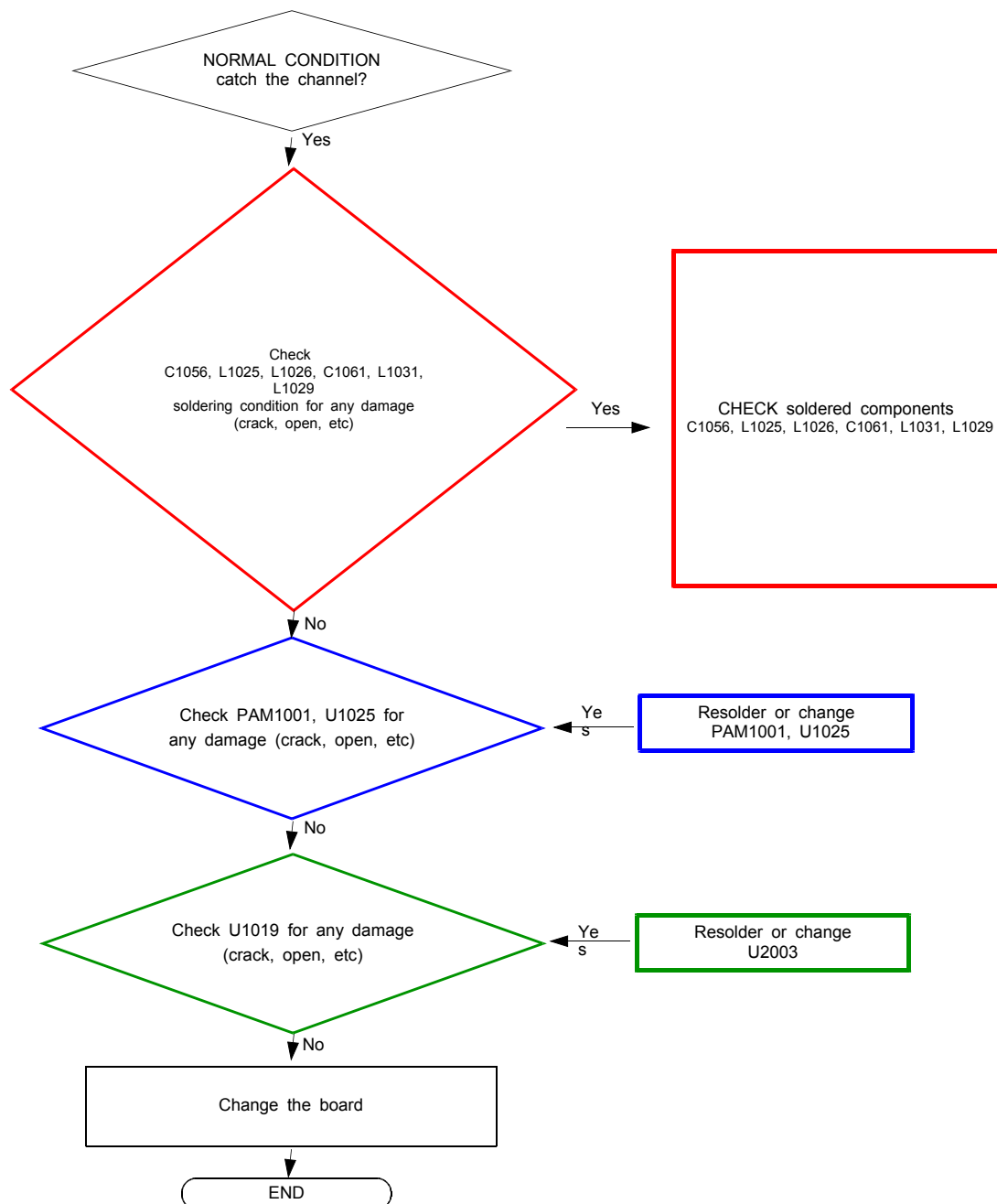


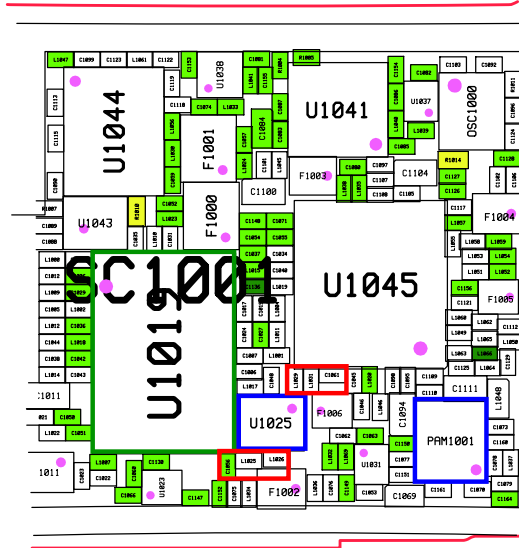
8-4-20. GSM 850,900,1800,1900 / WCDMA BAND 1,2,5,8 / LTE BAND 1,3,5,8,20 TX





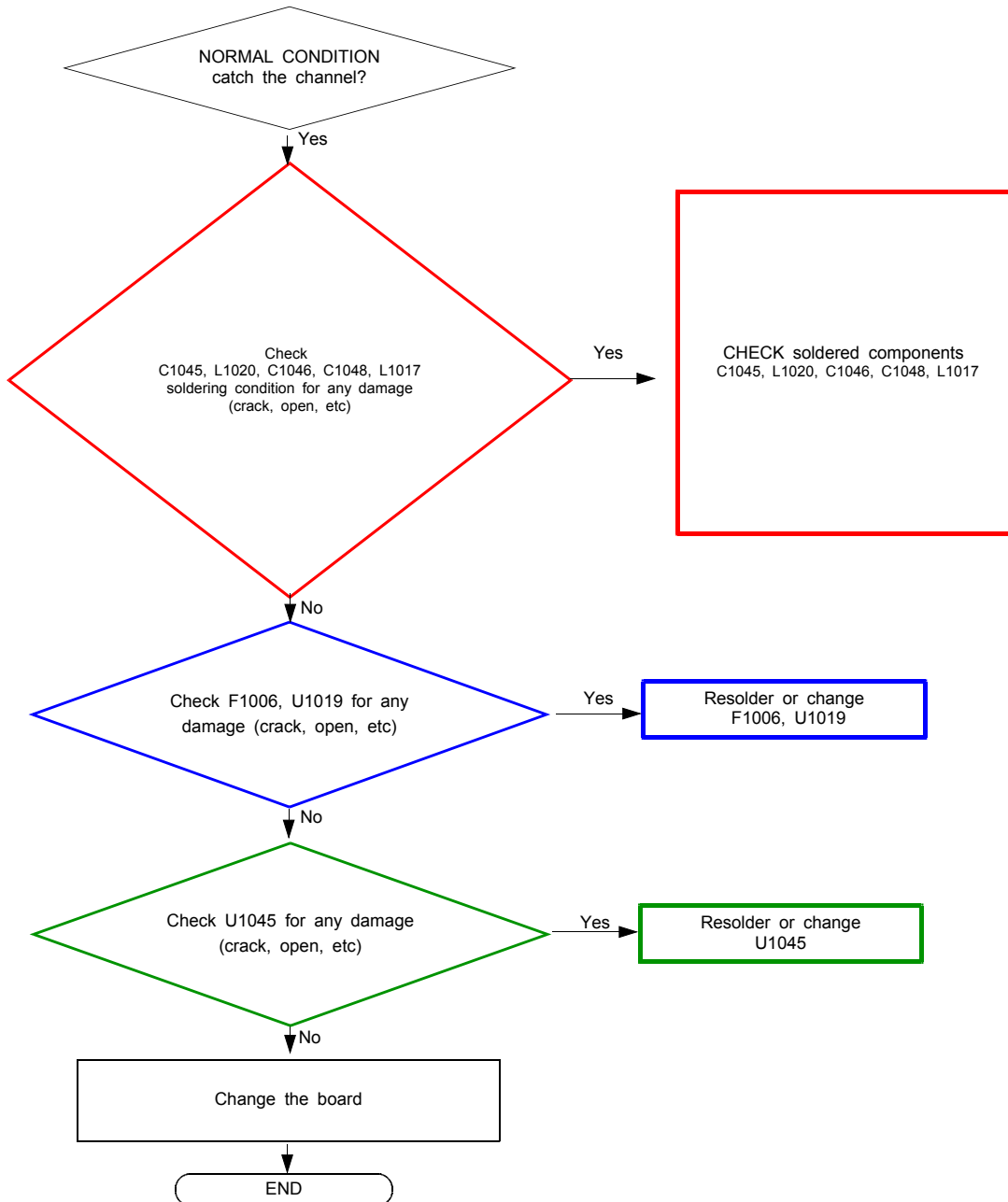
# 8-4-21. LTE BAND 7 RX





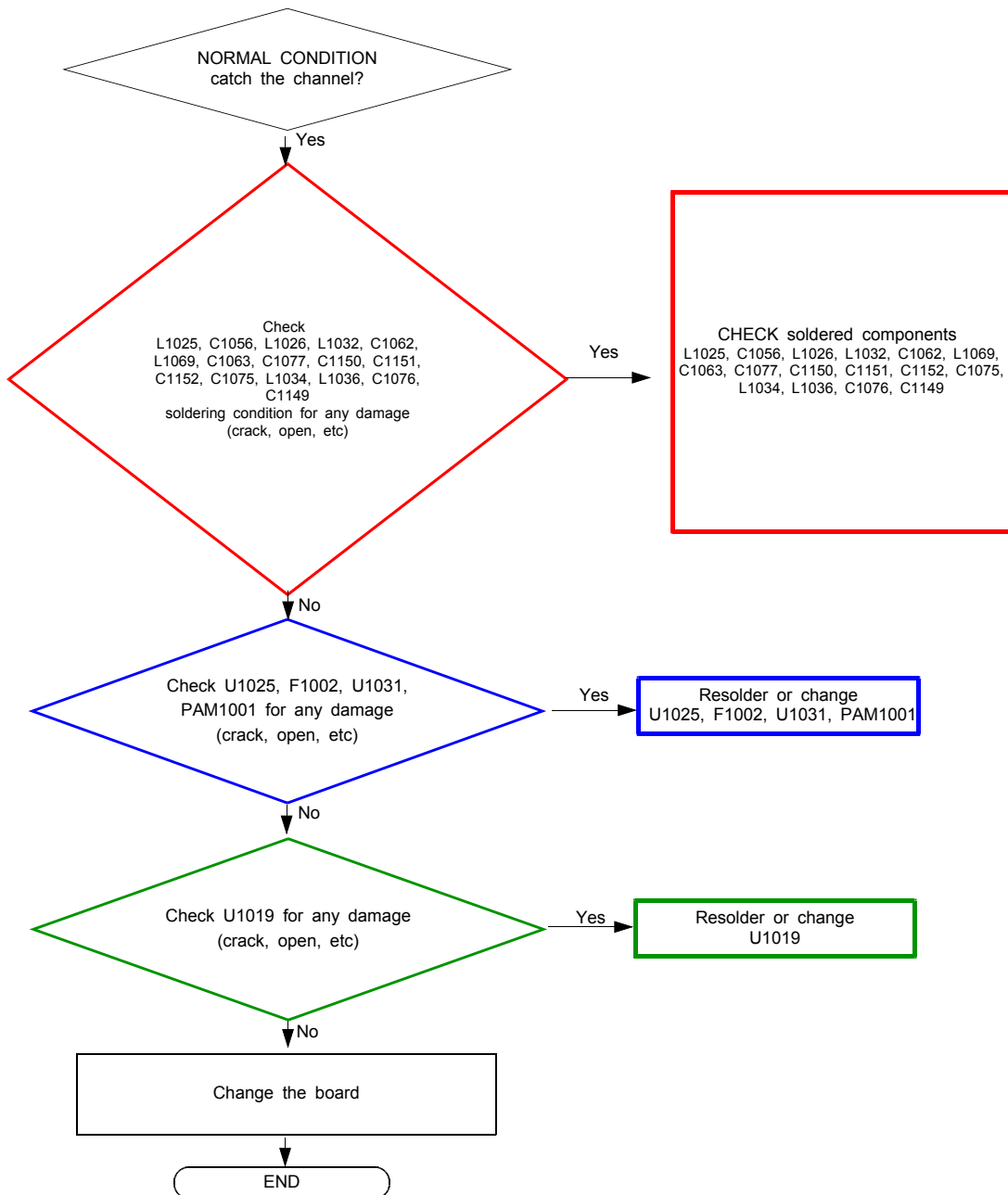


## 8-4-22. LTE BAND 40 RX





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





## 8-5. Service Schematics

- NC point(Top view)
- UCP3000(AP)

