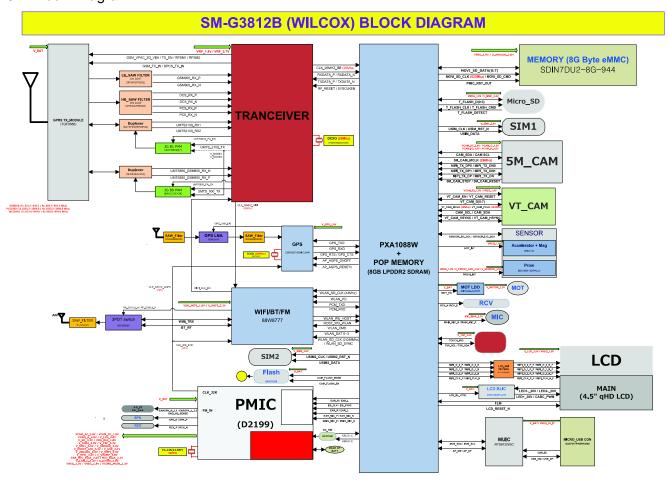
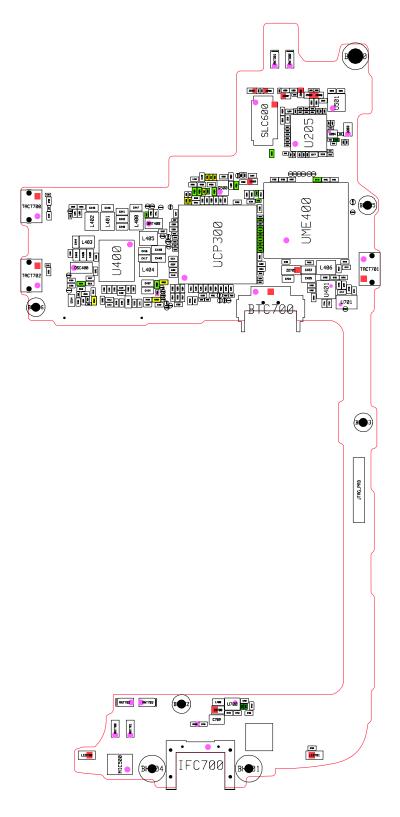
8. Level 3 Repair

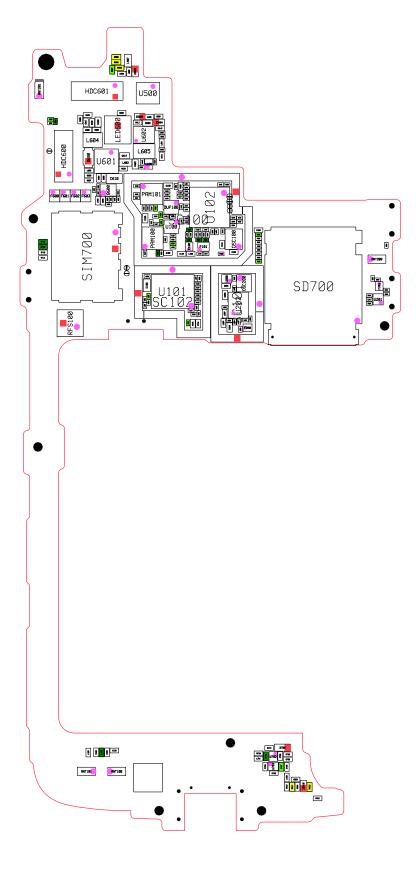
8-1.Block Diagram



8-2. PCB Diagrams 8-2-1. Top

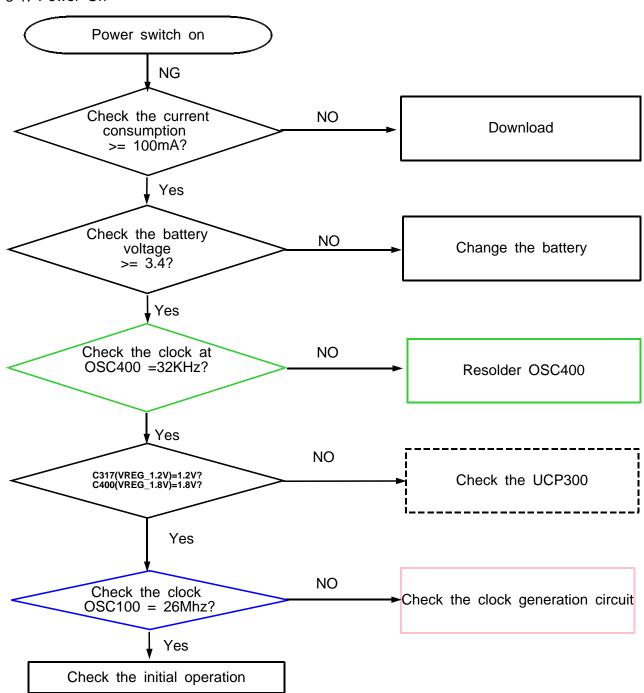


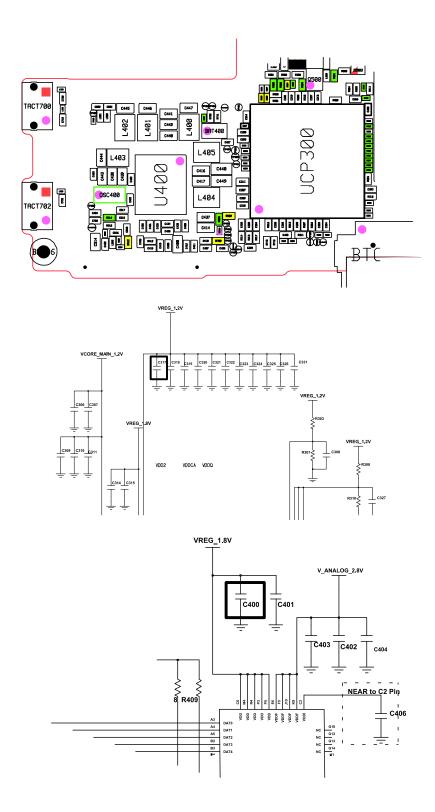
8-2-2. Bottom

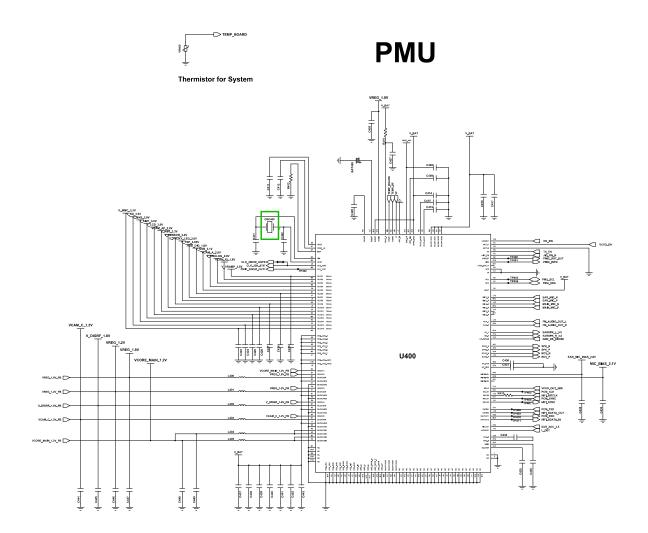


8-3. LOGIC

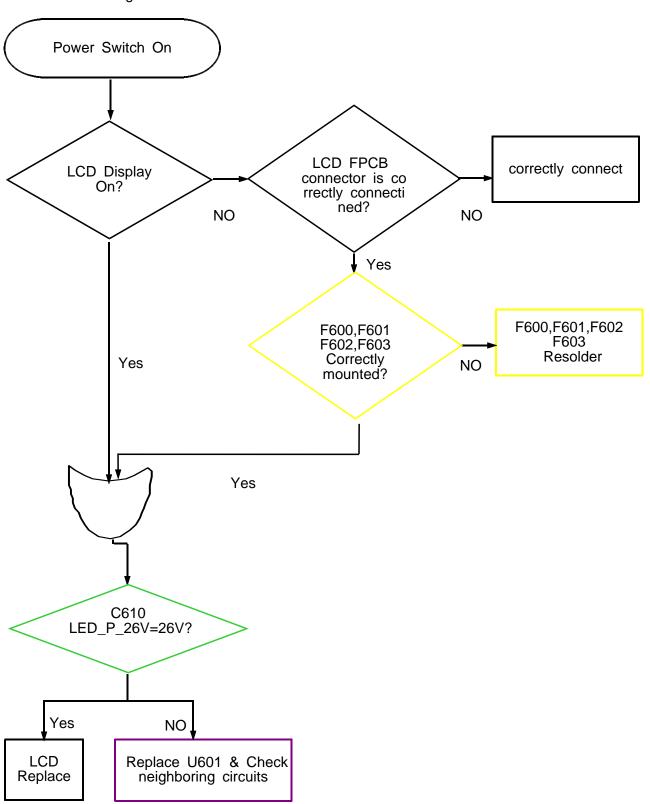
8-3-1. Power On

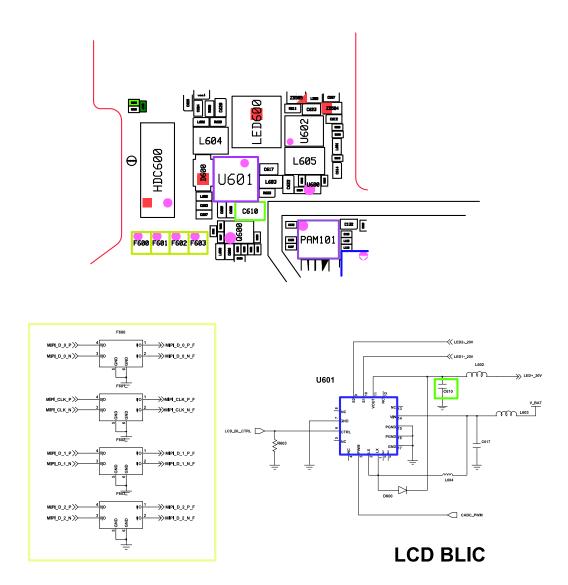




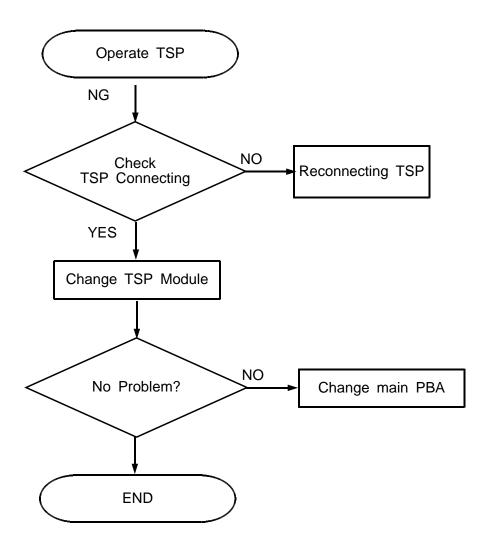


8-3-2. LCD Working



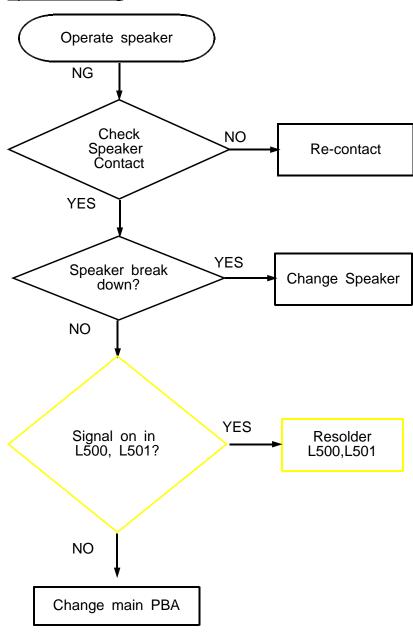


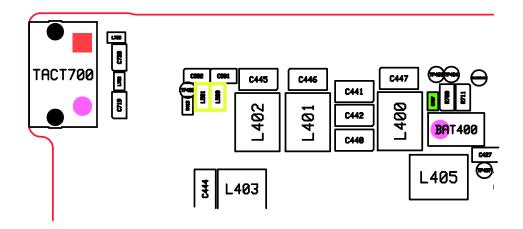
8-3-3. TSP

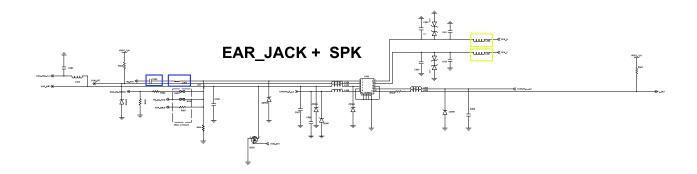


8-3-4 Audio Working

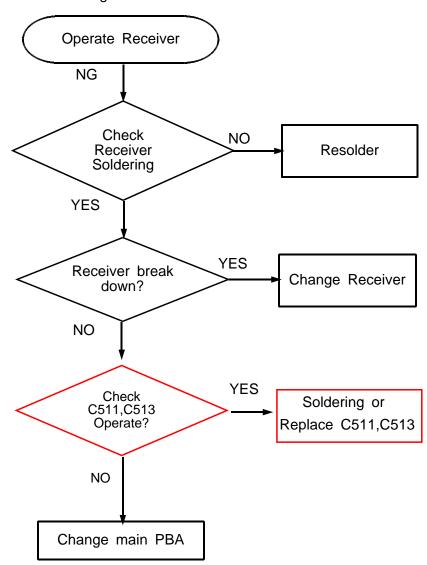
Speaker Working

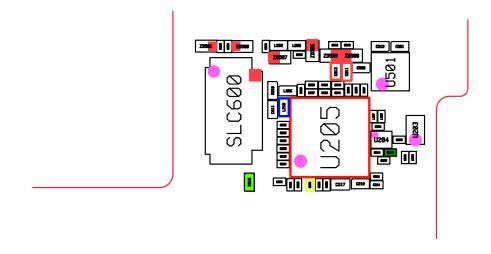


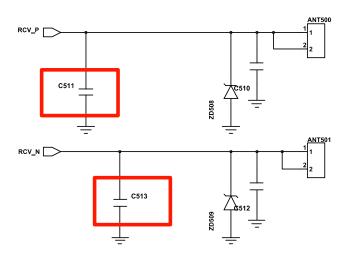




■ Receiver Working

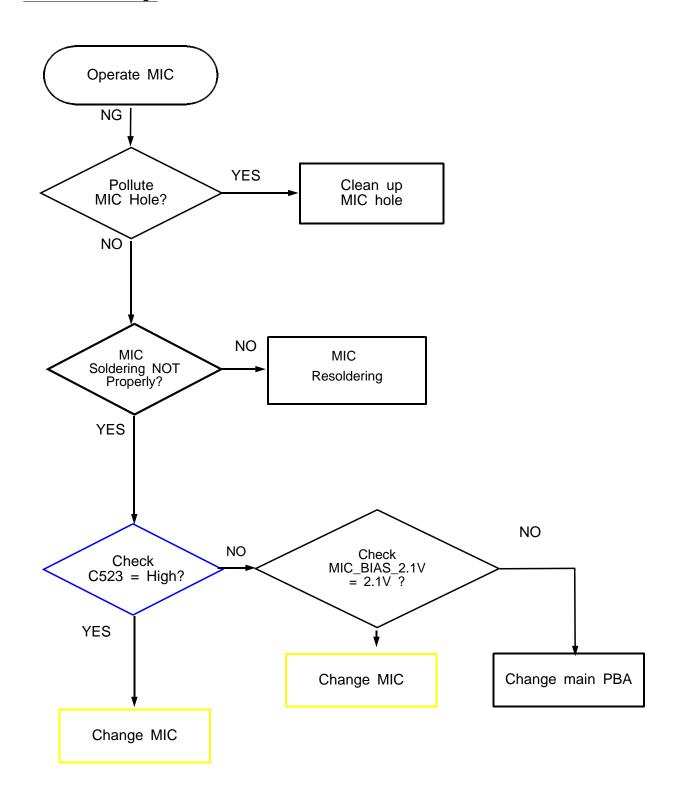


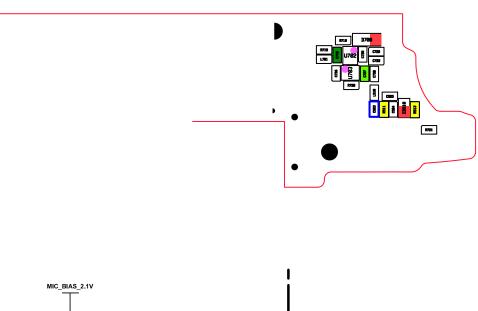


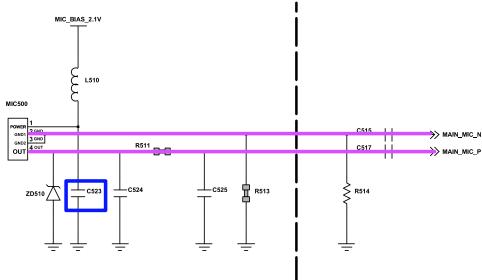


RCV

Main MIC Working



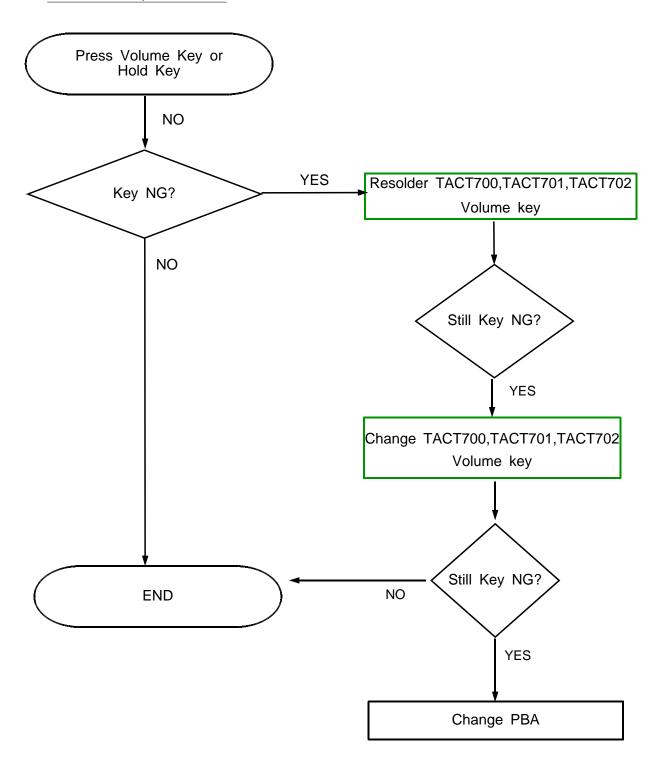


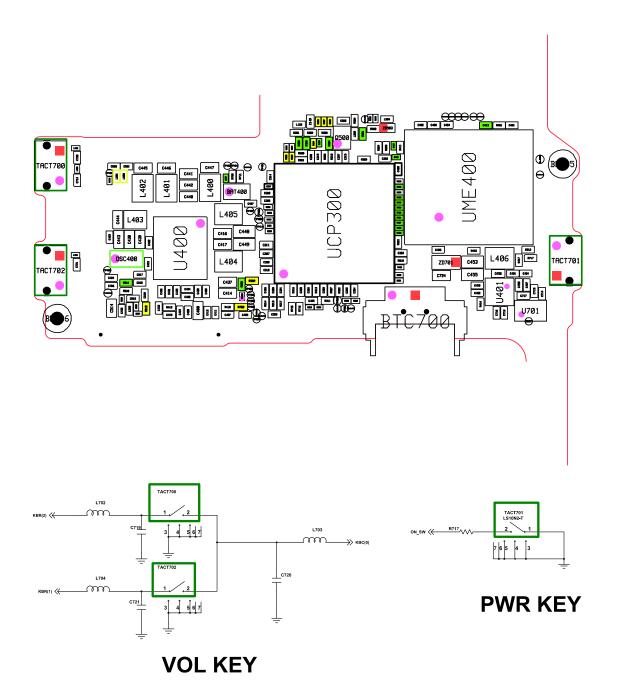


MAIN MIC

8-3-5. KEY Working

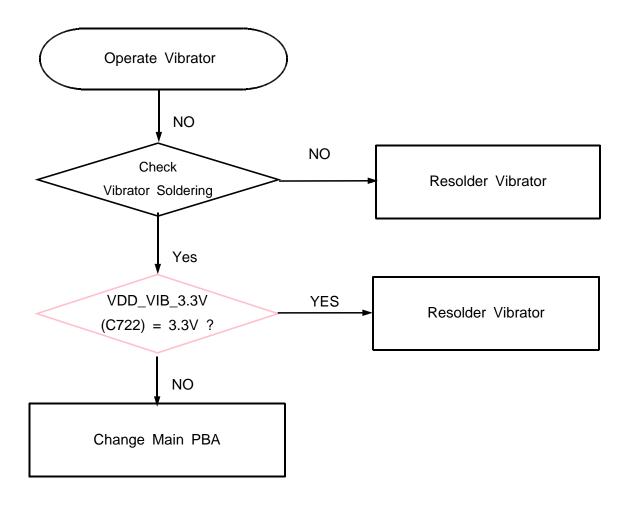
Volume KEY, Hold KEY

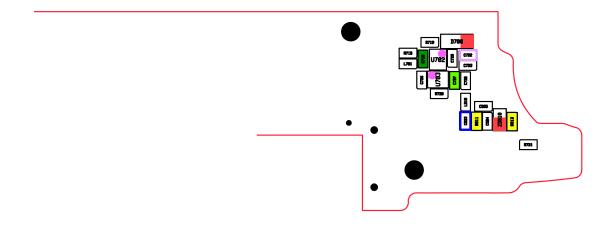


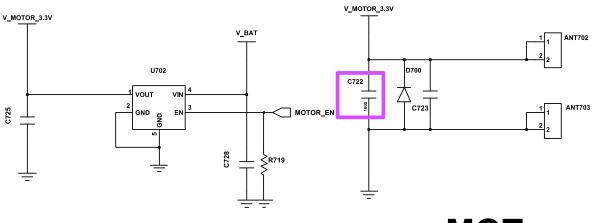


8-17

8-3-6. Vibrator Working



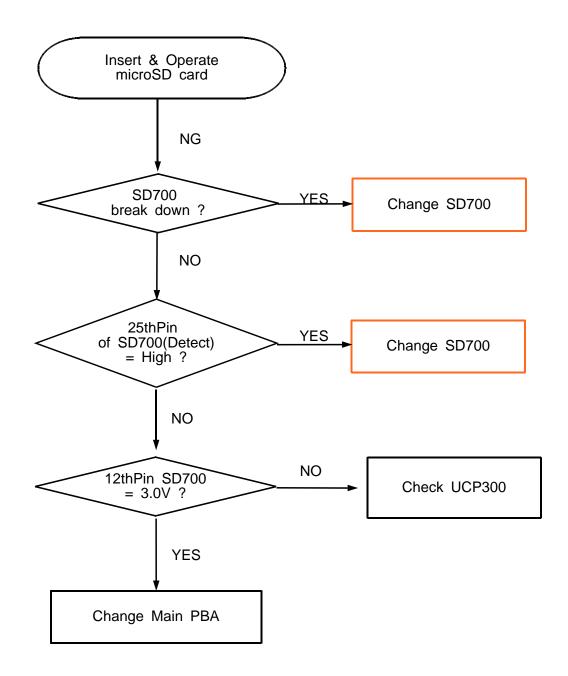


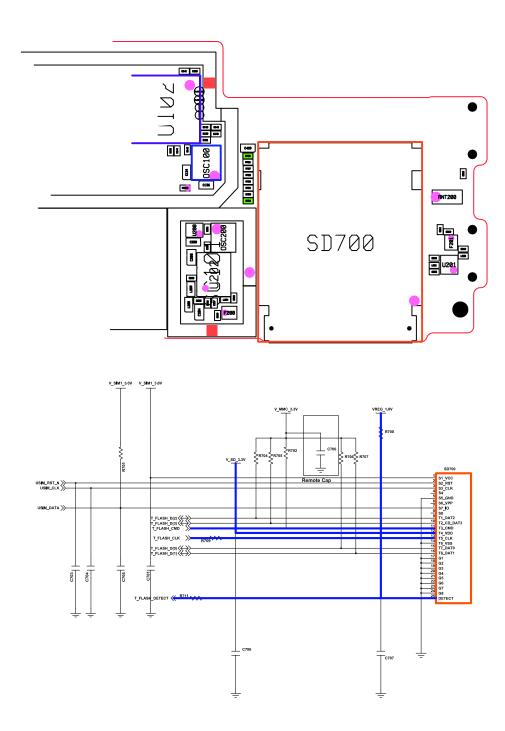


MOT LDO

MOT

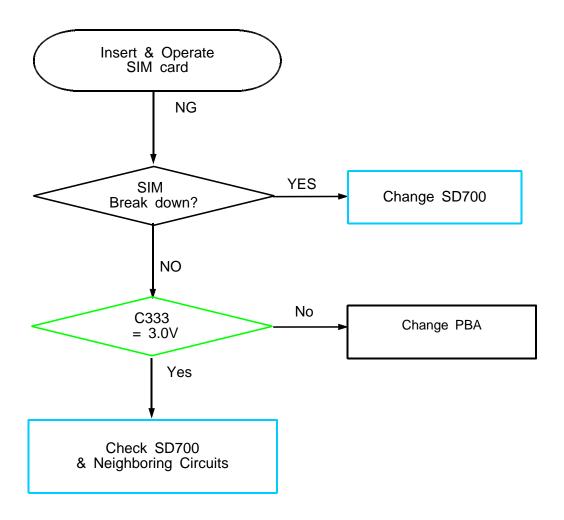
8-3-7. T-Flash Card Working

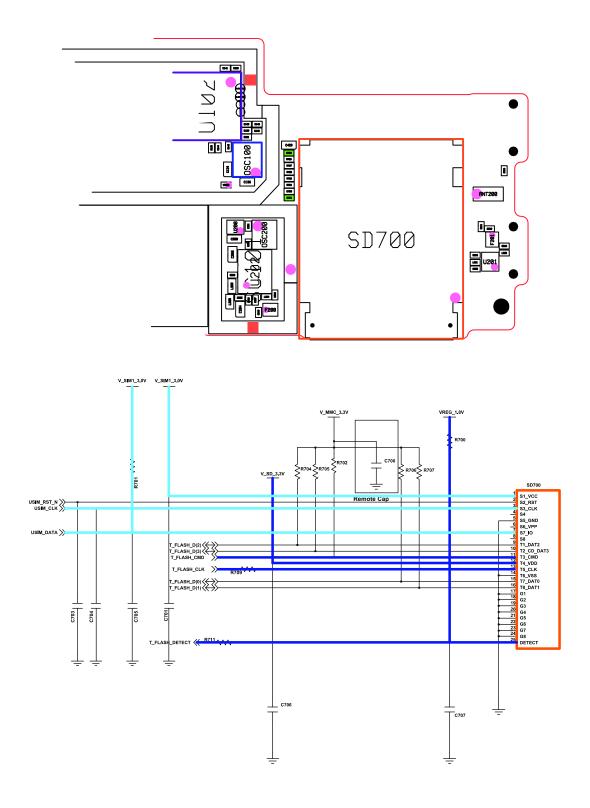


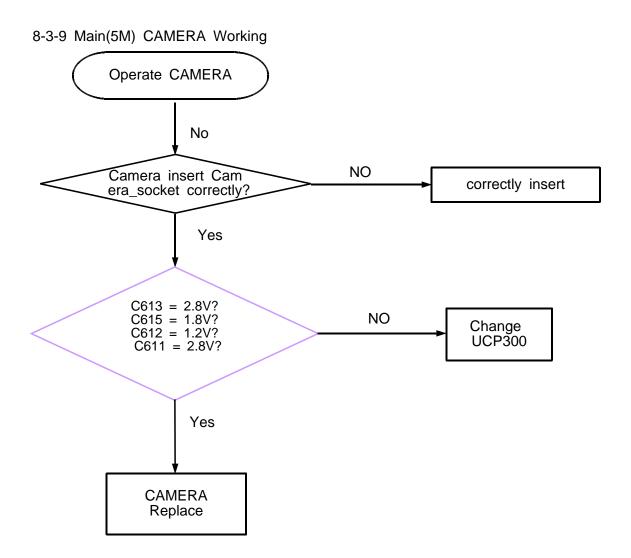


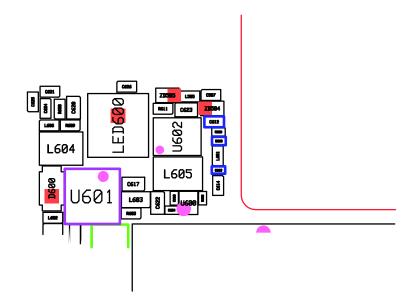
SD & SIM CON

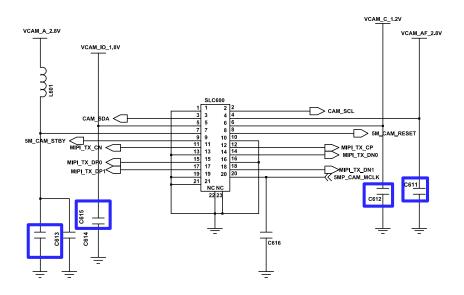
8-3-8. SIM Card Working



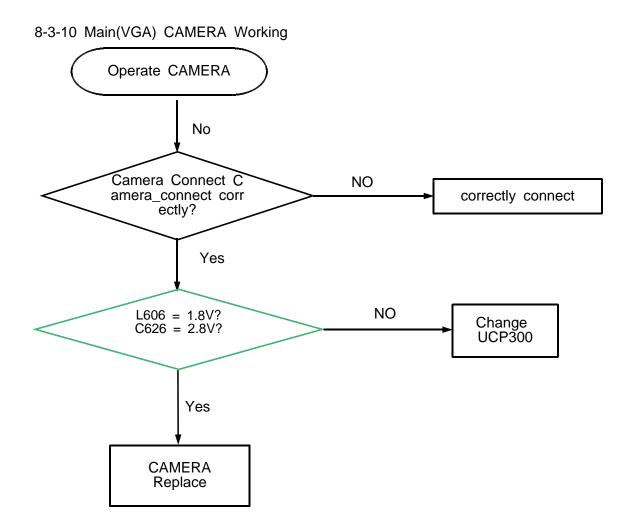


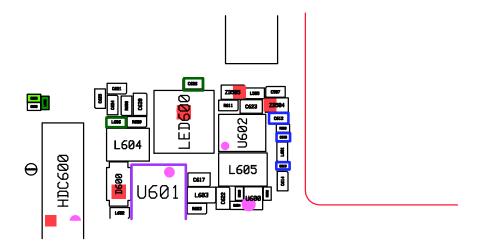




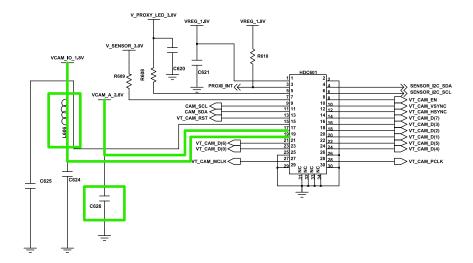


5M CAM

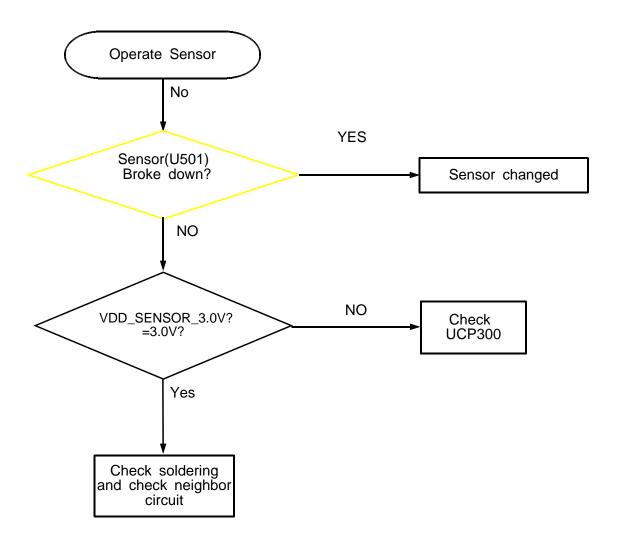


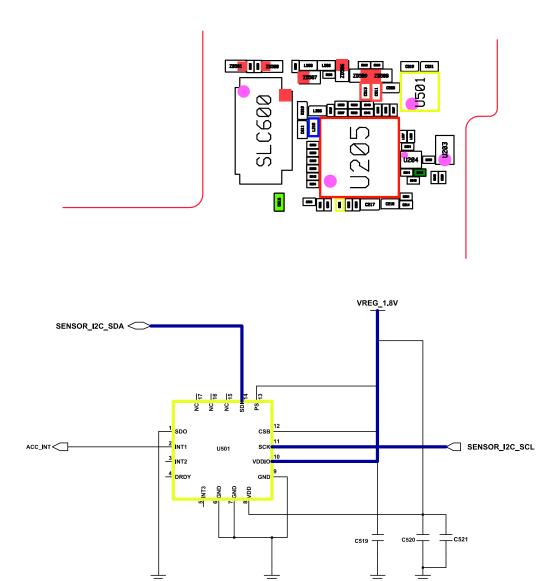


VT CAM(8bit) Proxi Sensor



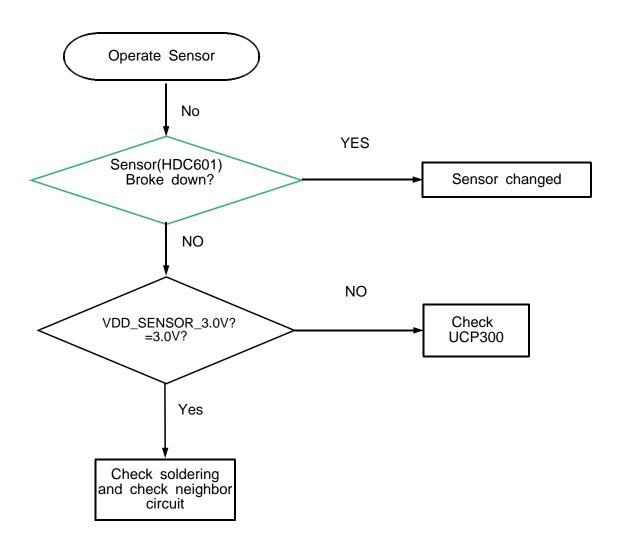
8-3-10 Accelero and magnetic sensor

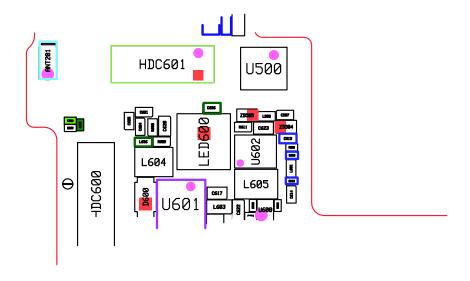




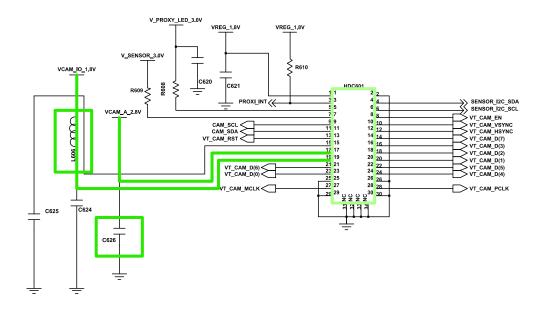
ACC.+MAG. SENSOR

8-3-11. PROXI sensor



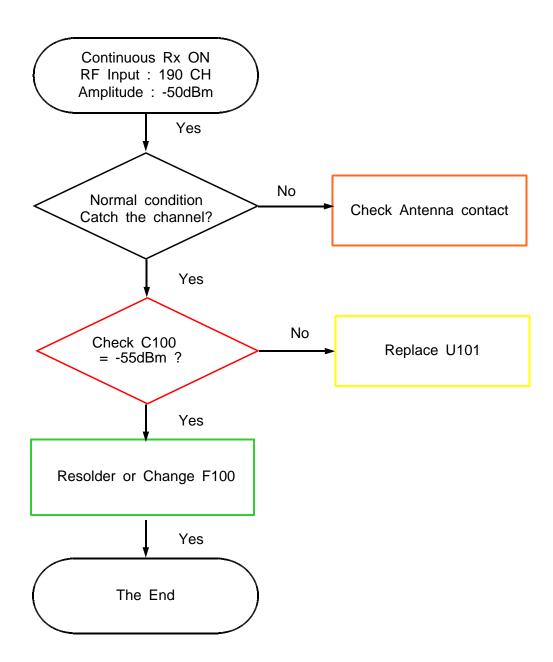


VT CAM(8bit) Proxi Sensor



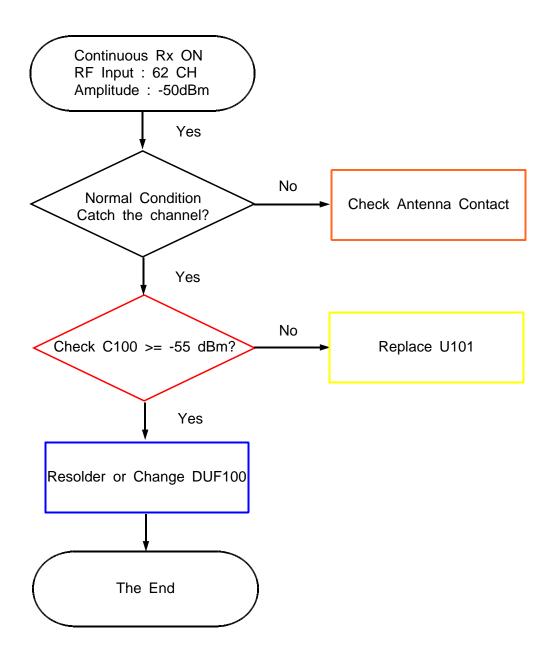
8-4-1. GSM850 RX

**If you check the tx chain,



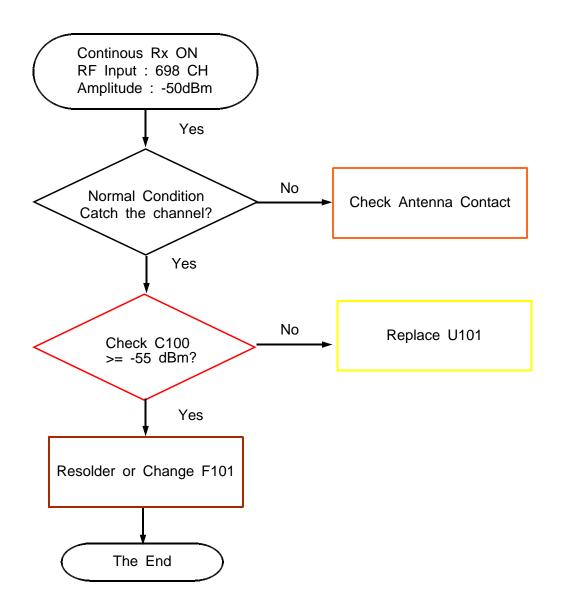
8-4-2. GSM900 RX

**If you check the tx chain,



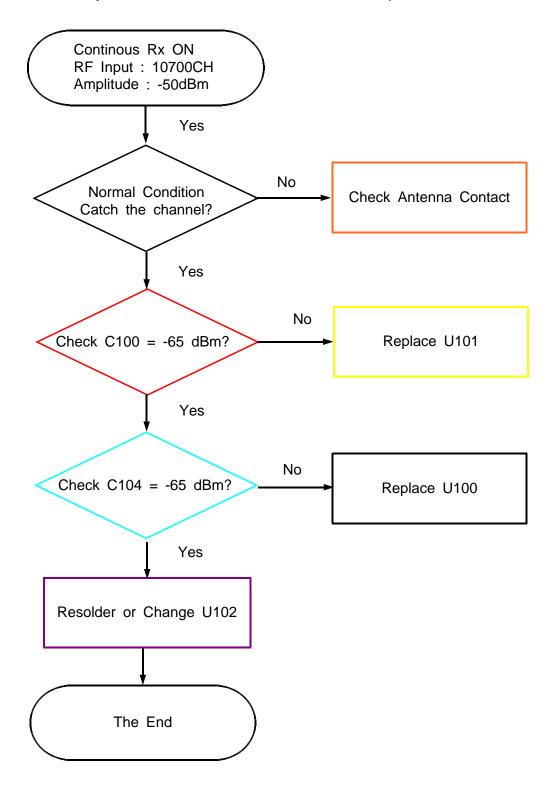
8-4-3. DCS/PCS RX

**If you check the tx chain,



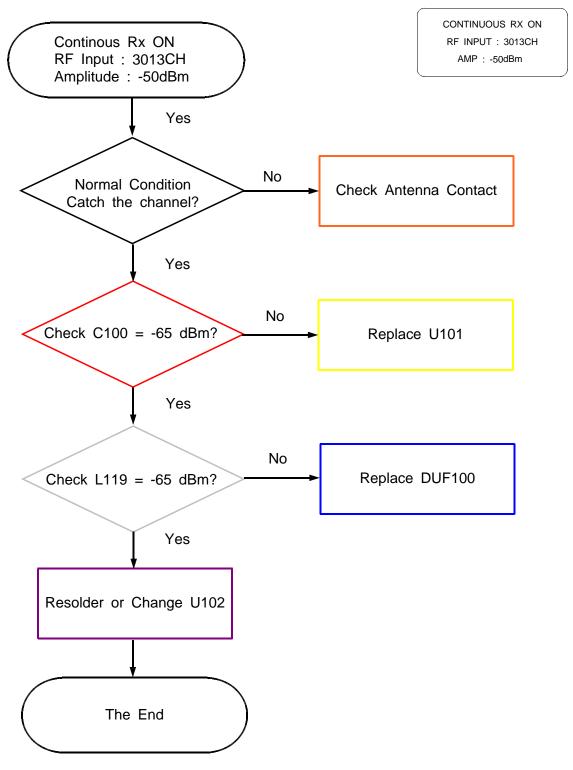
8-4-4. WCDMA Band1 RX

**If you check the tx chain,



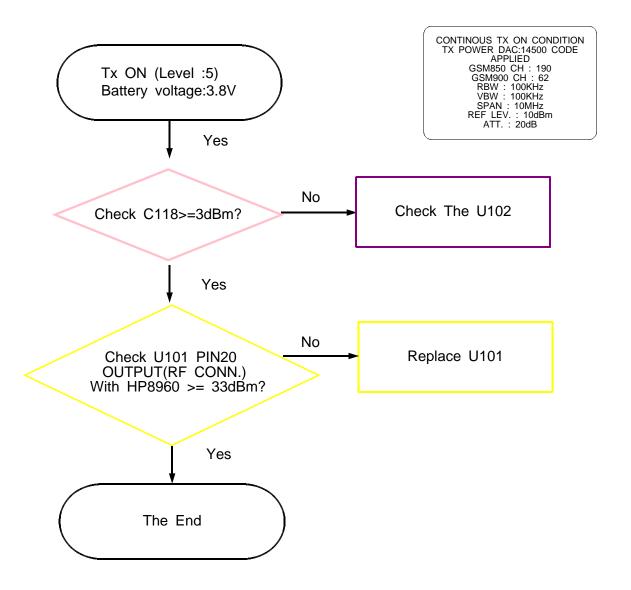
8-4-5. WCDMA Band5 RX

**If you check the tx chain,



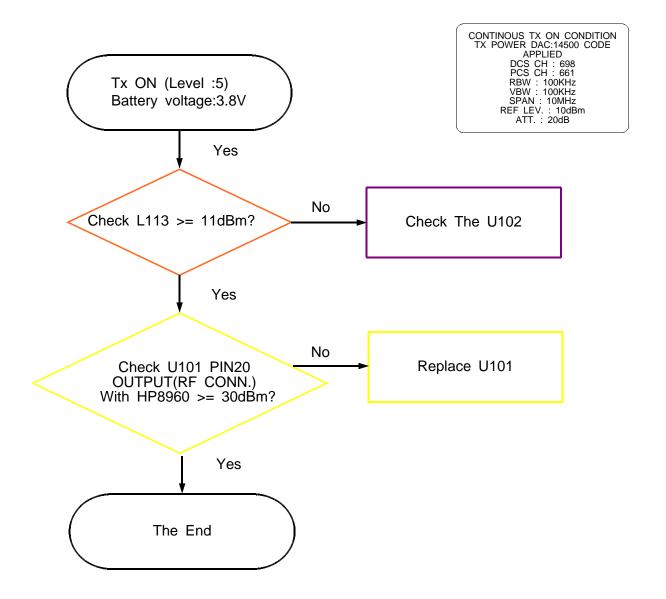
8-4-6. GSM850/900 TX

**If you check the tx chain,



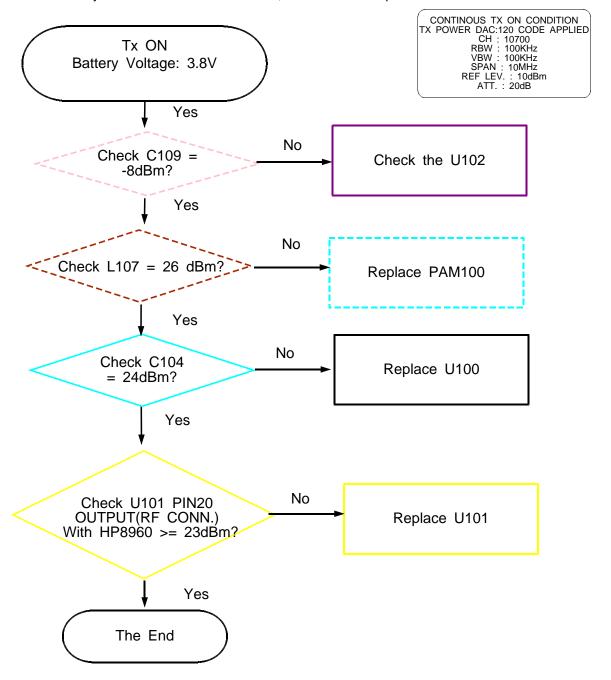
8-4-7. DCS/PCS TX

**If you check the tx chain,



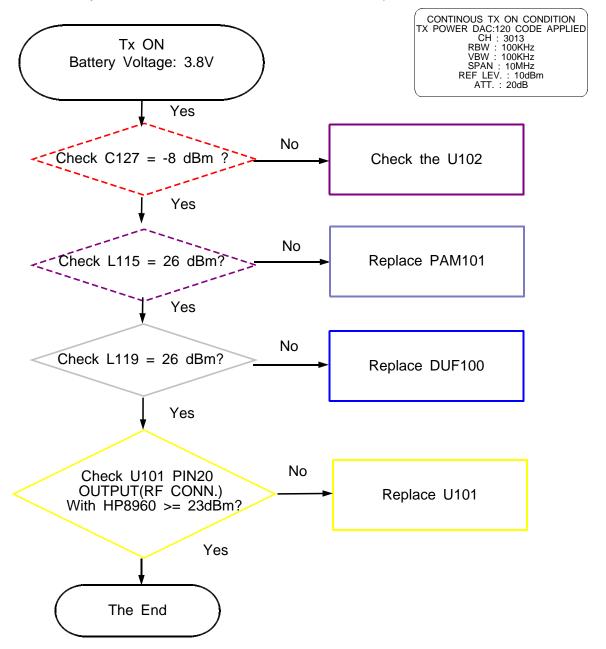
8-4-8. WCDMA Band1 TX

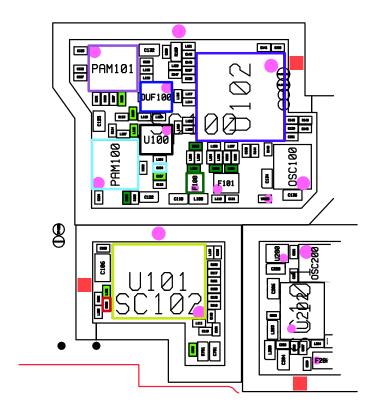
**If you check the tx chain,

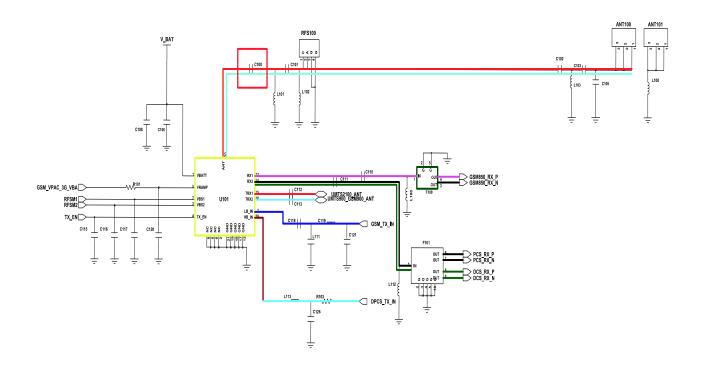


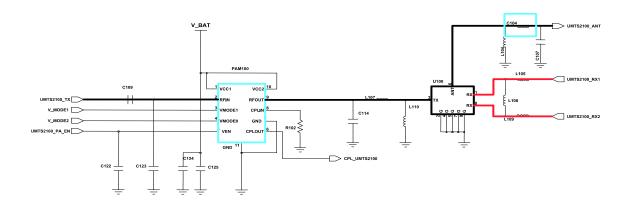
8-4-9. WCDMA Band5 TX

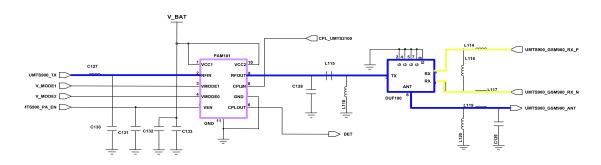
**If you check the tx chain,

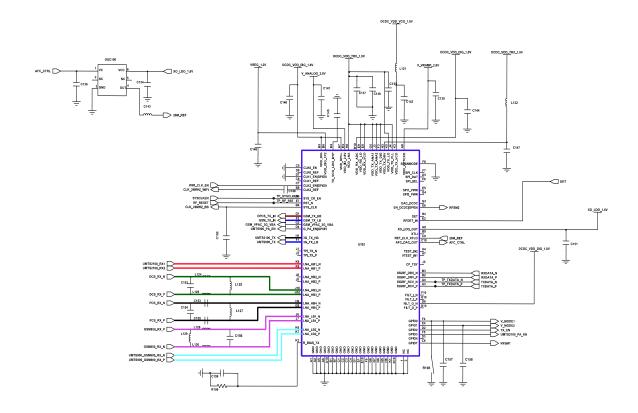




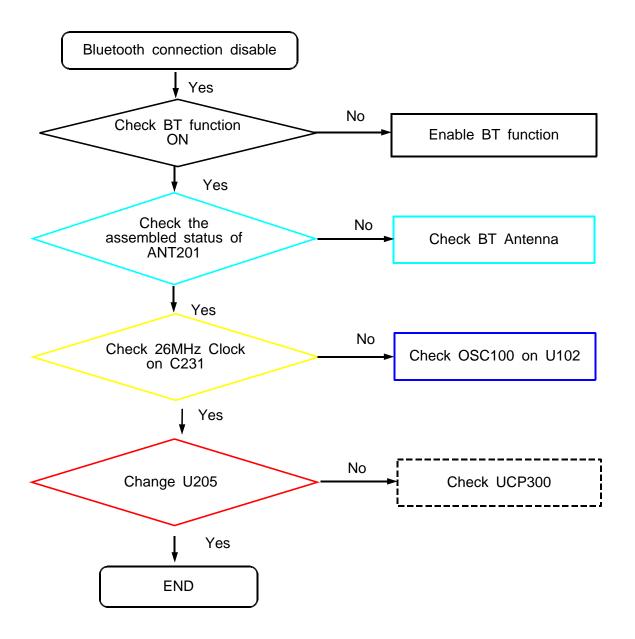


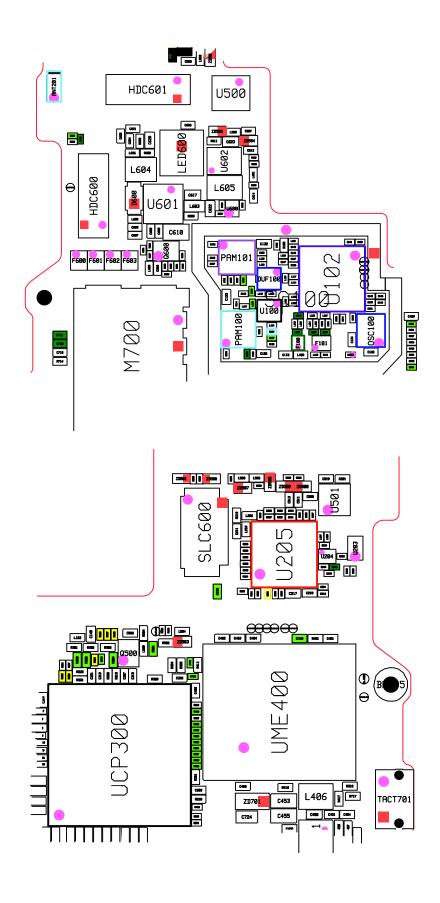


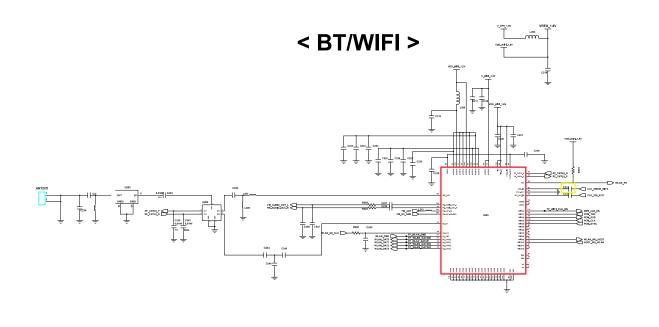


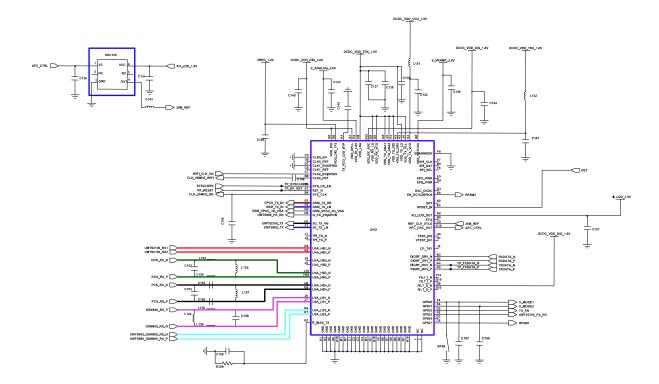


8-4-10. BLUETOOTH

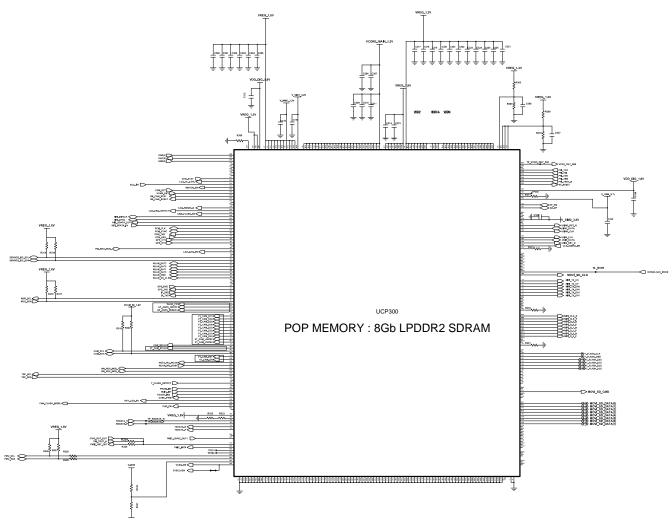




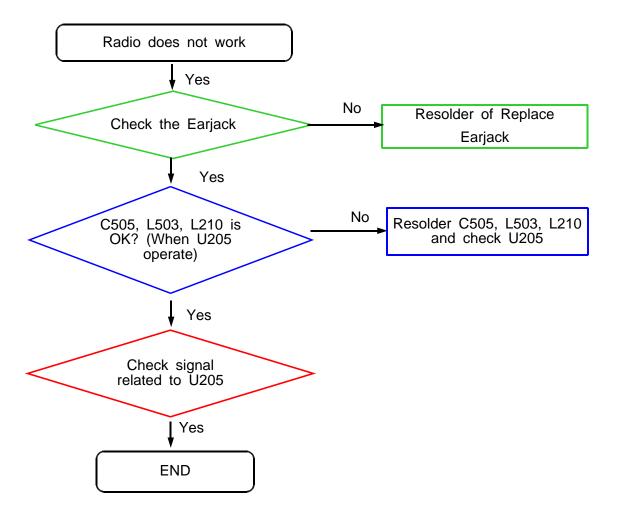


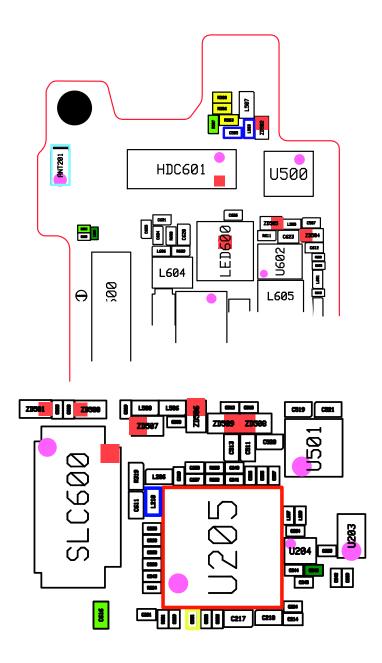


AP+CP+POP SDRAM

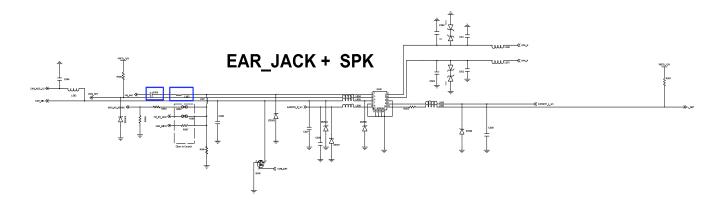


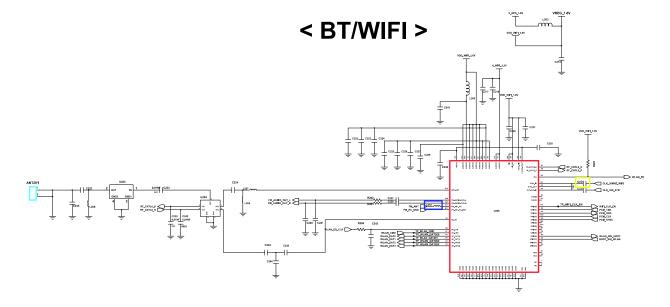
8-4-11. FM RADIO





AUDIO







8-5. Service Schematics

- NC Point(Top View)

● : NC

UME400

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| 4 | • | • | 0 | 0 | 0 | • | • | • | • | • | • | • | • | • |
| В | • | 0 | 0 | 0 | 0 | 0 | • | • | • | • | • | • | • | • |
| 3 | • | 0 | • | 0 | • | 0 | • | • | • | • | • | • | • | • |
|) | • | • | • | • | | | | | | | | • | • | • |
| Ε | • | • | • | | • | 0 | 0 | • | • | • | | • | • | • |
| = | • | • | • | | 0 | | | | | • | | • | • | • |
| 3 | • | • | • | | 0 | | | | | • | | • | • | • |
| 1 | • | • | • | | • | | | | | 0 | | • | • | • |
| J | • | • | • | | • | | | | | 0 | | • | • | • |
| (| • | • | • | | 0 | • | • | 0 | 0 | • | | • | • | • |
| _ | • | • | • | | | | | | | | | • | • | • |
| / | • | • | • | 0 | 0 | 0 | • | • | • | • | • | • | • | • |
| 1 | • | 0 | • | 0 | 0 | • | • | • | • | • | • | • | • | • |
|) | • | • | 0 | 0 | 0 | 0 | • | • | • | • | • | • | • | • |

UCP300

| | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | | | | | | | | | | | | | | | | | | | | | | | |
|----|-------------------------------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | _ |
| Α | 0 | 0 | 0 | О | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Α |
| В | 0 | 0 | 0 | О | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | В |
| С | 0 | 0 | | 0 | | | | | | | | | | | | | | | | | | 0 | 0 | С |
| D | 0 | 0 | | | | | | | 0 | 0 | | | 0 | | | | | | | | 0 | 0 | 0 | D |
| Е | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | 0 | Е |
| F | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | F |
| G | 0 | 0 | 0 | | 0 | 0 | | | | | | | | | | | | 0 | 0 | | 0 | 0 | 0 | G |
| н | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | Н |
| J | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | J |
| κ | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | κ |
| L | 0 | 0 | | | 0 | 0 | | 0 | Ο | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | L |
| М | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | М |
| N | 0 | 0 | 0 | | 0 | • | | 0 | Ο | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | N |
| Р | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | Р |
| R | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | R |
| Т | 0 | 0 | | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | 0 | 0 | т |
| U | 0 | 0 | | | 0 | 0 | | | | | | | | | | | | 0 | 0 | 0 | | 0 | 0 | U |
| ٧ | 0 | 0 | | | 0 | 0 | 0 | 0 | Ο | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | ٧ |
| w | 0 | 0 | | | 0 | 0 | 0 | 0 | Ο | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | w |
| Υ | 0 | 0 | | | | | | | 0 | | | | | 0 | | | | | | | 0 | 0 | 0 | Υ |
| AA | 0 | 0 | | | | | | | | | | | | | | | | | | | | 0 | 0 | AA |
| ΑВ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Ο | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | AB |
| AC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | AC |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | |