

**SAMSUNG**

# GSM TELEPHONE

## GT-E1075L

# **SERVICE** *Manual*

### GSM TELEPHONE



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**SAMSUNG  
ELECTRONICS**



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| Asia             | asia.samsungportal.com    |
| Mideast & Africa | mea.samsungportal.com     |

## 6. MAIN Electrical Parts List

| SEC CODE    | Design LOC | Discription     |
|-------------|------------|-----------------|
| 0401-001110 | D200       | SDS511Q         |
| 0401-001110 | D201       | SDS511Q         |
| 0403-001547 | ZD200      | TDZ5.6          |
| 0406-001288 | D300       | PESD5V0S1UL     |
| 0406-001288 | D301       | PESD5V0S1UL     |
| 0406-001288 | D302       | PESD5V0S1UL     |
| 0406-001288 | D303       | PESD5V0S1UL     |
| 0406-001306 | U302       | CM1219-05SE     |
| 0601-002199 | LED301     | AOT-TABL-XXYY   |
| 0601-002199 | LED302     | AOT-TABL-XXYY   |
| 0601-002199 | LED303     | AOT-TABL-XXYY   |
| 0601-002199 | LED304     | AOT-TABL-XXYY   |
| 1201-002731 | PAM100     | SKY77534-11     |
| 1203-005498 | U205       | SUS6160MNTBG    |
| 1204-002979 | U100       | SI4708-B-GMR    |
| 1404-001221 | TH200      | NCP15WB473J04RC |
| 2007-000138 | R108       | RC1005J101CS    |
| 2007-000138 | R109       | RC1005J101CS    |
| 2007-000139 | U300       | RC1005J221CS    |
| 2007-000140 | R100       | RC1005J102CS    |
| 2007-000141 | R300       | RC1005J222CS    |
| 2007-000141 | R305       | RC1005J222CS    |
| 2007-000141 | R311       | RC1005J222CS    |
| 2007-000141 | R312       | RC1005J222CS    |
| 2007-000143 | R103       | RC1005J472CS    |
| 2007-000143 | R104       | RC1005J472CS    |
| 2007-000148 | R101       | RC1005J103CS    |
| 2007-000148 | R102       | RC1005J103CS    |
| 2007-000148 | R200       | RC1005J103CS    |
| 2007-000148 | R201       | RC1005J103CS    |
| 2007-000151 | R110       | RC1005J153CS    |
| 2007-000162 | R106,      | RC1005J104CS    |
| 2007-000162 | R205       | RC1005J104CS    |
| 2007-000171 | R107       | WR0402X000JT    |
| 2007-000171 | R111       | WR0402X000JT    |
| 2007-000171 | R204       | WR0402X000JT    |
| 2007-000172 | R203       | RC1005J100CS    |
| 2007-000172 | R306       | RC1005J100CS    |
| 2007-000172 | R307       | RC1005J100CS    |
| 2007-000173 | R308       | RC1005J220CS    |
| 2007-000173 | R309       | RC1005J220CS    |
| 2007-000174 | R310       | MCR01MZP5J470   |

| SEC CODE    | Design LOC | Discription        |
|-------------|------------|--------------------|
| 2007-001298 | R302       | RC1005J510CS       |
| 2007-001298 | R303       | RC1005J510CS       |
| 2007-001298 | R304       | RC1005J510CS       |
| 2007-001301 | R206       | MCR01MZP5J680      |
| 2007-001333 | R208       | MCR01MZP5J183      |
| 2007-003025 | R105       | RMC16S-6R8J-TP     |
| 2007-007698 | R207       | RK73H1ETP5101F     |
| 2007-008500 | R202       | SR73H2BTDR100F     |
| 2203-000386 | C319       | GRP1555C1H150J     |
| 2203-000425 | C113       | GRP1555C1H180J     |
| 2203-000425 | C222       | GRP1555C1H180J     |
| 2203-000425 | C224       | GRP1555C1H180J     |
| 2203-000425 | C300       | GRP1555C1H180J     |
| 2203-000425 | C308       | GRP1555C1H180J     |
| 2203-000425 | C309       | GRP1555C1H180J     |
| 2203-000425 | C310       | GRP1555C1H180J     |
| 2203-000438 | C103       | GRP155R71H102K     |
| 2203-000679 | C302       | GRP1555C1H270J     |
| 2203-000679 | C304       | GRP1555C1H270J     |
| 2203-000679 | C307       | GRP1555C1H270J     |
| 2203-000679 | C316       | GRP1555C1H270J     |
| 2203-000679 | C322       | GRP1555C1H270J     |
| 2203-000812 | C110       | GRP1555C1H330J     |
| 2203-000812 | C225       | GRP1555C1H330J     |
| 2203-000812 | C317       | GRP1555C1H330J     |
| 2203-000812 | C320       | GRP1555C1H330J     |
| 2203-000812 | C323       | GRP1555C1H330J     |
| 2203-000812 | U304       | GRP1555C1H330J     |
| 2203-000812 | U305       | GRP1555C1H330J     |
| 2203-000995 | C105       | GRP1555C1H470J     |
| 2203-000995 | C324       | GRP1555C1H470J     |
| 2203-000995 | C325       | GRP1555C1H470J     |
| 2203-001072 | C120       | GRP1555C1H560JD01E |
| 2203-001153 | C215       | GRP1555C1H680J     |
| 2203-001153 | C216       | GRP1555C1H680J     |
| 2203-001153 | C217       | GRP1555C1H680J     |
| 2203-001153 | C218       | GRP1555C1H680J     |
| 2203-001153 | C228       | GRP1555C1H680J     |
| 2203-001153 | C313       | GRP1555C1H680J     |
| 2203-001153 | U306       | GRP1555C1H680J     |
| 2203-001405 | C220       | 04023G223ZAT2A     |
| 2203-002709 | C100       | C1005Y5V1C104ZT    |

# Main Electrical Parts List

| SEC CODE    | Design LOC | Discription        |
|-------------|------------|--------------------|
| 2203-002709 | C104       | C1005Y5V1C104ZT    |
| 2203-002709 | C213       | C1005Y5V1C104ZT    |
| 2203-002709 | C214       | C1005Y5V1C104ZT    |
| 2203-002709 | C226       | C1005Y5V1C104ZT    |
| 2203-005057 | C112       | GRP1555C1H8R2CZ01E |
| 2203-005281 | C114       | GRP1555C1H1R5BZ01E |
| 2203-005281 | C116       | GRP1555C1H1R5BZ01E |
| 2203-005446 | C117       | GRP1555C1H2R7BZ01E |
| 2203-005446 | C119       | GRP1555C1H2R7BZ01E |
| 2203-005482 | C227       | GRP155R61A104KA01E |
| 2203-005482 | C301       | GRP155R61A104KA01E |
| 2203-005482 | C303       | GRP155R61A104KA01E |
| 2203-005482 | C318       | GRP155R61A104KA01E |
| 2203-005482 | C321       | GRP155R61A104KA01E |
| 2203-006260 | C101       | GRP155F51A224ZD02E |
| 2203-006260 | C102       | GRP155F51A224ZD02E |
| 2203-006048 | C203       | GRM155R71A104K     |
| 2203-006048 | C204       | GRM155R71A104K     |
| 2203-006048 | C205       | GRM155R71A104K     |
| 2203-006208 | C207       | CM105X5R475M06AT   |
| 2203-006208 | C208       | CM105X5R475M06AT   |
| 2203-006348 | C221       | CV105X5R105K25AT   |
| 2203-006399 | C202       | GRM155R60J105KE19D |
| 2203-006399 | C206       | GRM155R60J105KE19D |
| 2203-006399 | C209       | GRM155R60J105KE19D |
| 2203-006399 | C210       | GRM155R60J105KE19D |
| 2203-006399 | C211       | GRM155R60J105KE19D |
| 2203-006399 | C212       | GRM155R60J105KE19D |
| 2203-006399 | C314       | GRM155R60J105KE19D |
| 2203-006399 | C315       | GRM155R60J105KE19D |
| 2203-006562 | C111       | CV05X5R105K10AH    |
| 2203-006562 | C229       | CV05X5R105K10AH    |
| 2203-006562 | C311       | CV05X5R105K10AH    |
| 2203-006562 | C312       | CV05X5R105K10AH    |
| 2203-006681 | C108       | GRM155F51E104ZA01D |
| 2203-006824 | C200       | CV105X5R475K10AT   |
| 2203-006824 | C201       | CV105X5R475K10AT   |
| 2203-006824 | C223       | CV105X5R475K10AT   |
| 2203-006841 | C219       | CV05X5R105K16AH    |
| 2203-007279 | C107       | CV105X5R106M10AT   |
| 2404-001424 | TA301      | TCSHS0J226MPAR     |
| 2404-001430 | TA300      | TCSHL1A106MRAR     |

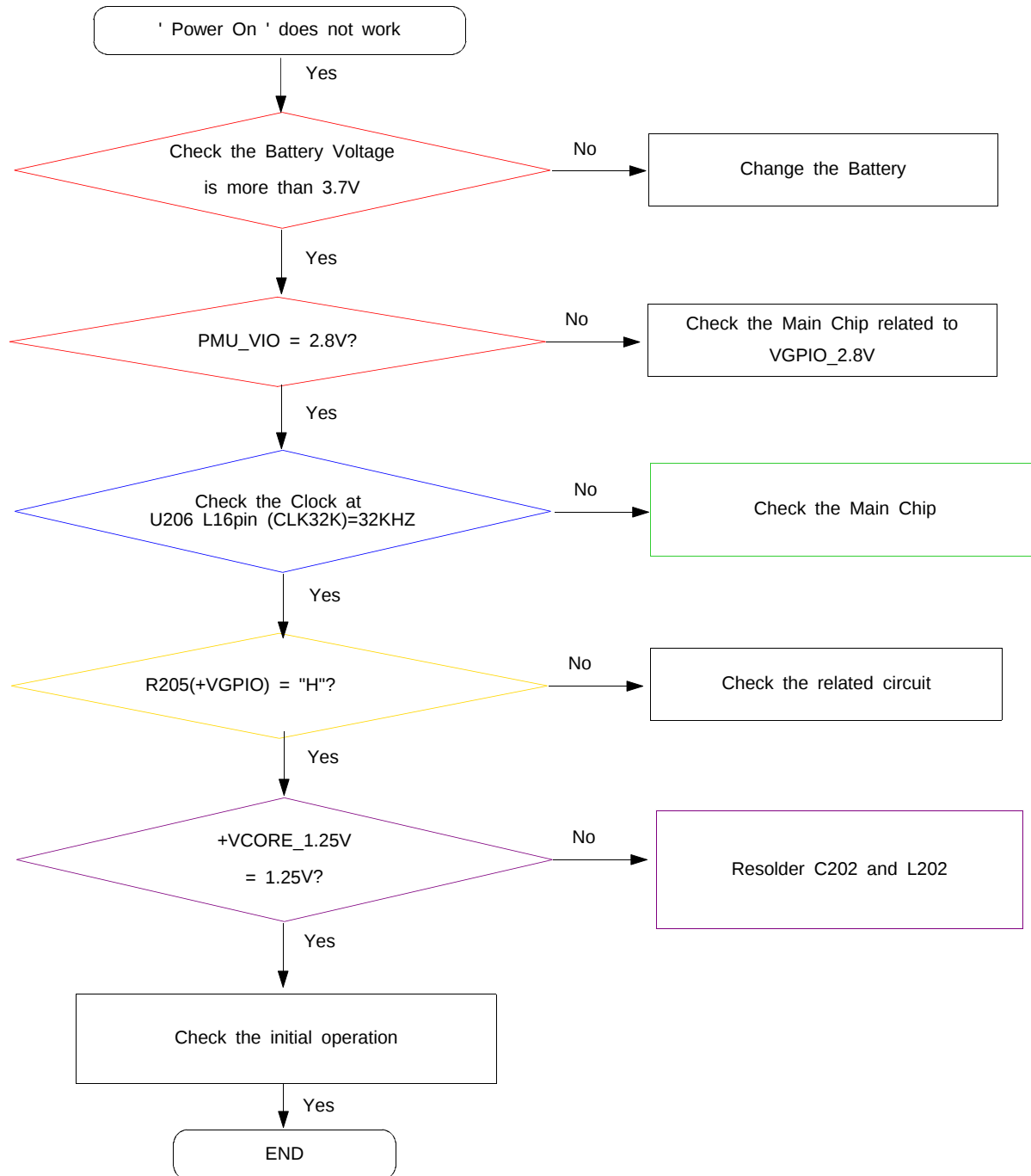
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|-------------|------------|-------------------------|
| 2703-001747 | L108       | LL1005-FH4N7S           |
| 2703-001749 | C115       | LL1005-FH1N0S           |
| 2703-001750 | C118       | LL1005-FH2N2S           |
| 2703-002200 | L102       | CIH05T18NJNC            |
| 2703-002201 | L302       | CIH05T33NJNC            |
| 2703-002201 | L303       | CIH05T33NJNC            |
| 2703-002203 | L106       | CIH05T15NJNC            |
| 2703-002204 | L109       | CIH05T22NJNC            |
| 2703-002205 | L100       | CIH05T3N9KNC            |
| 2703-002269 | L101       | CIH05T56NJNC            |
| 2703-003064 | L301       | LQG15HSR22J02D          |
| 2703-003297 | L202       | CIG22L4R7MNE            |
| 2801-003856 | OSC200     | MC-146(32.768KHz,20ppm) |
| 2801-004552 | OSC201     | TN4-26374               |
| 3301-001158 | L200       | BLM18PG300SN1D          |
| 3301-001158 | L201       | BLM18PG300SN1D          |
| 3301-001729 | L307       | BLM15AG102SN1D          |
| 3301-001729 | L308       | BLM15AG102SN1D          |
| 3301-001729 | L309       | BLM15AG102SN1D          |
| 3301-001729 | L310       | BLM15AG102SN1D          |
| 3301-001756 | L304       | BLM15HG102SN1D          |
| 3301-001756 | L305       | BLM15HG102SN1D          |
| 3301-001756 | L306       | BLM15HG102SN1D          |
| 3301-001756 | L311       | BLM15HG102SN1D          |
| 3301-001756 | L312       | BLM15HG102SN1D          |
| 3301-001912 | L300       | BLM15BA220SN1D          |
| 3705-001503 | RFS100     | KMS-560                 |
| 3709-001384 | SIM200     | 5000-6P-2.3M            |
| 3710-002683 | IFC300     | HY20-AB0310             |
| 3711-006228 | CN200      | 2005-03-261A            |
| GH70-03276A | SC100      | ONBOARD-CLIP-4          |
| GH70-03276A | SC101      | ONBOARD-CLIP-4          |
| GH70-03276A | SC102      | ONBOARD-CLIP-4          |
| GH70-03276A | SC103      | ONBOARD-CLIP-4          |
| GH70-03276A | SC104      | ONBOARD-CLIP-4          |
| GH70-03276A | SC105      | ONBOARD-CLIP-4          |
| GH70-03276A | SC106      | ONBOARD-CLIP-4          |
| GH70-03276A | SC107      | ONBOARD-CLIP-4          |
| GH70-03276A | SC108      | ONBOARD-CLIP-4          |
| 1003-001440 | TR100      | MDC3105LT1G             |
| NEW01       | UME200     | K5N3217ATA-AT80         |
| NEW02       | U206       | PNX4900EL/1             |

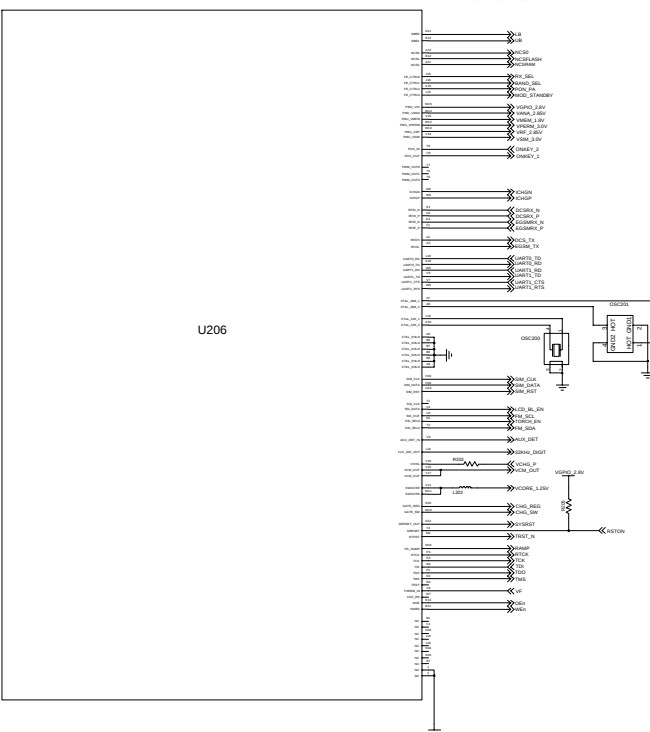
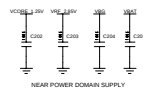
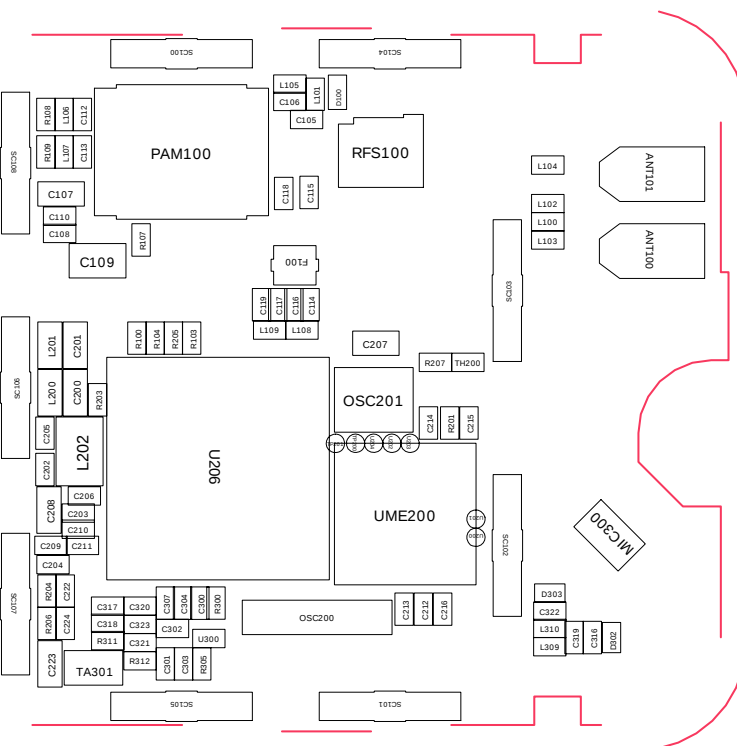
| SEC CODE | Design LOC | Discription    |
|----------|------------|----------------|
| NEW03    | U303       | MIC5365-3.3YMT |
| NEW04    | U101       | AHK3292IGU-T1  |
| NEW05    | F100       | SFR881PY002    |

Please consult the GSPN website (Samsung Portal) for the most recent version of the product's part list.

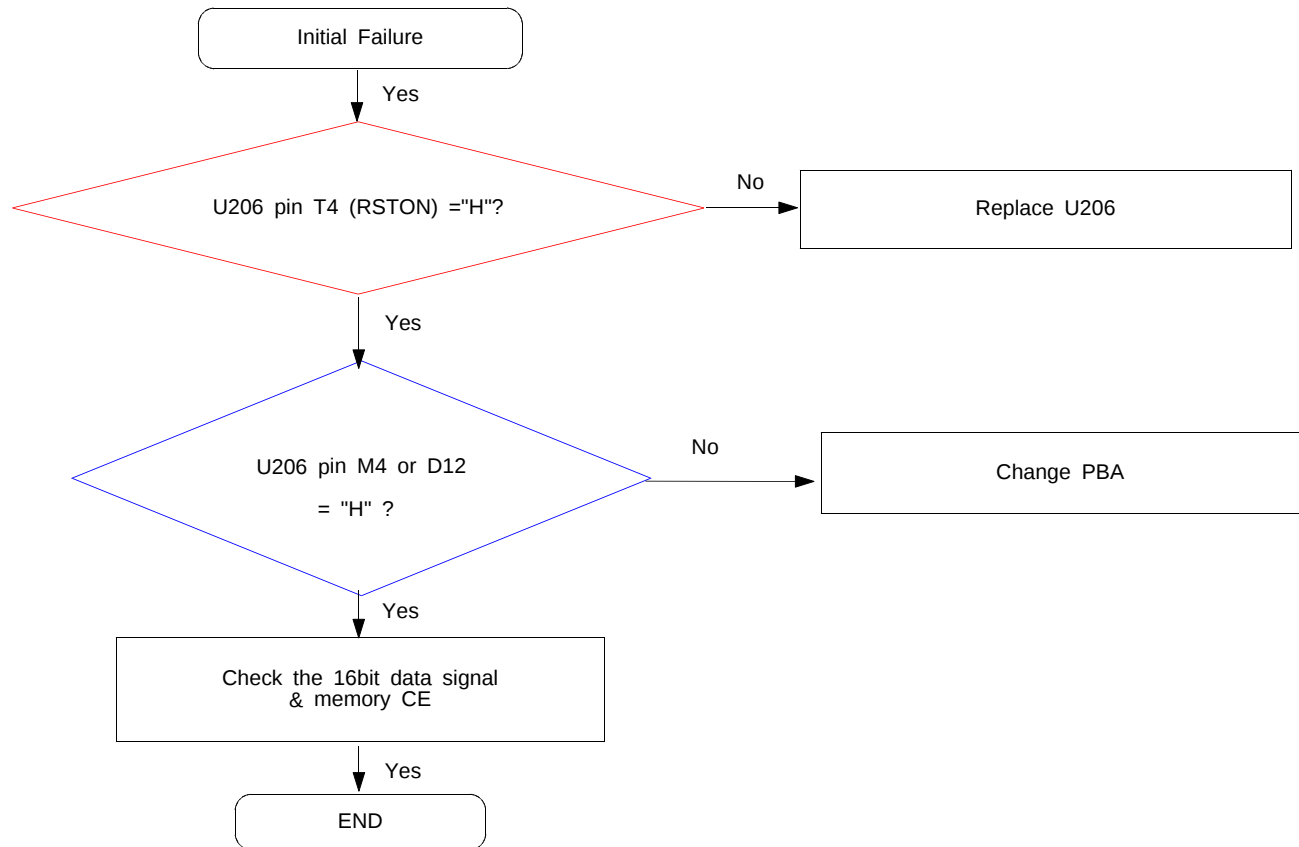
## 9. Flow Chart of Troubleshooting

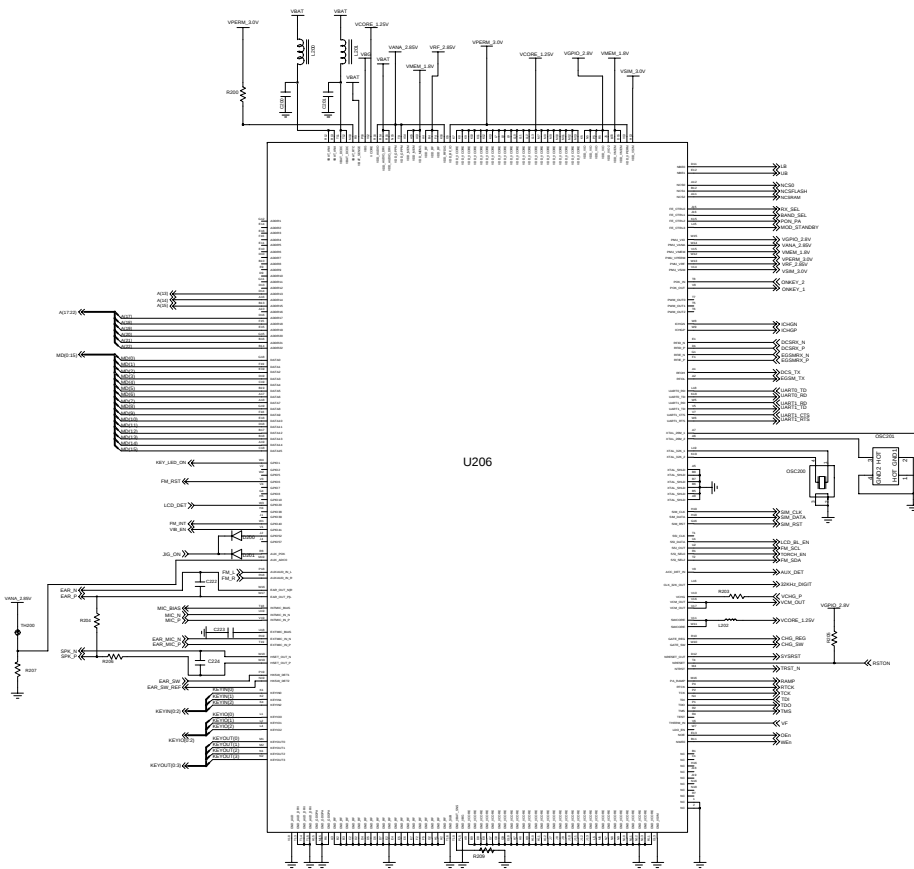
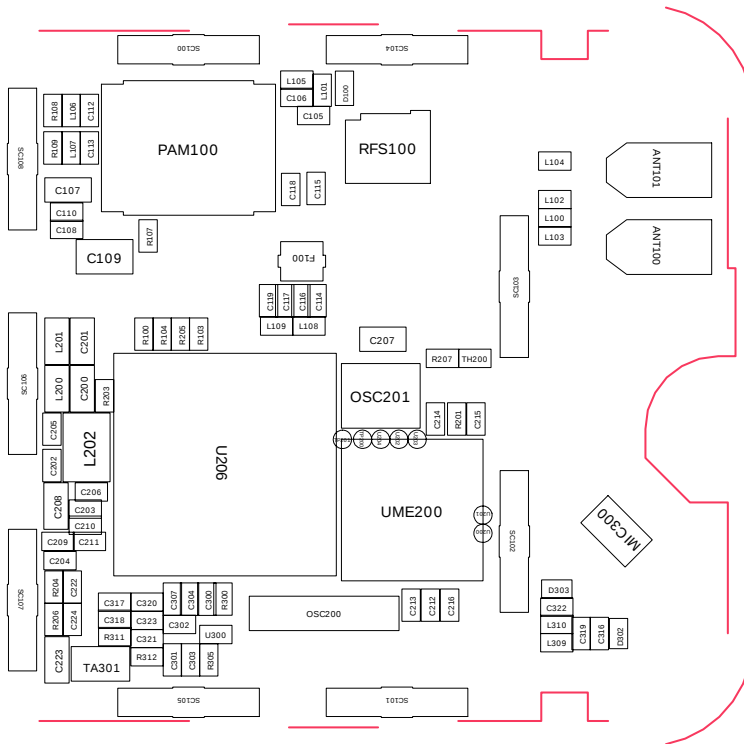
### 9-1. Power On



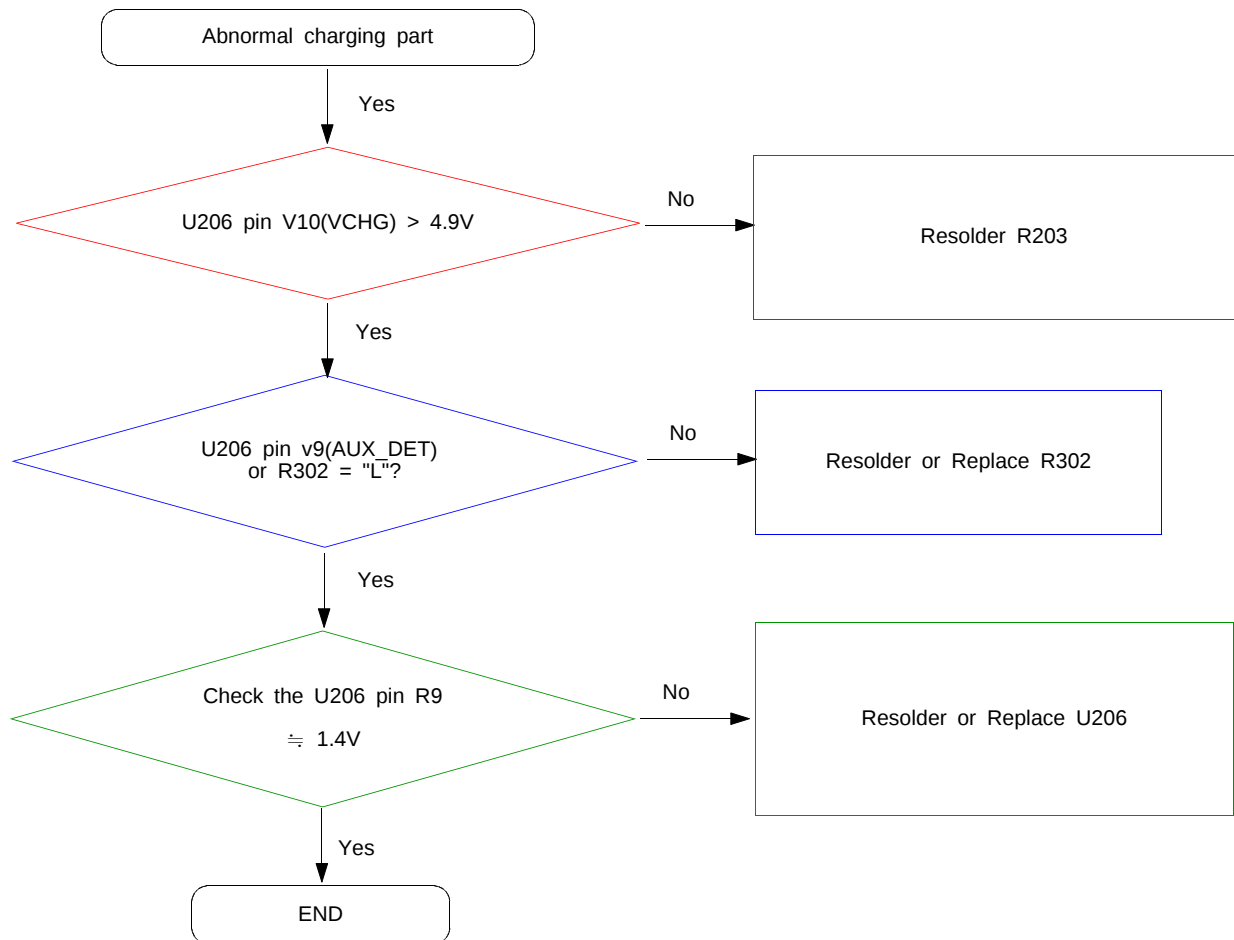


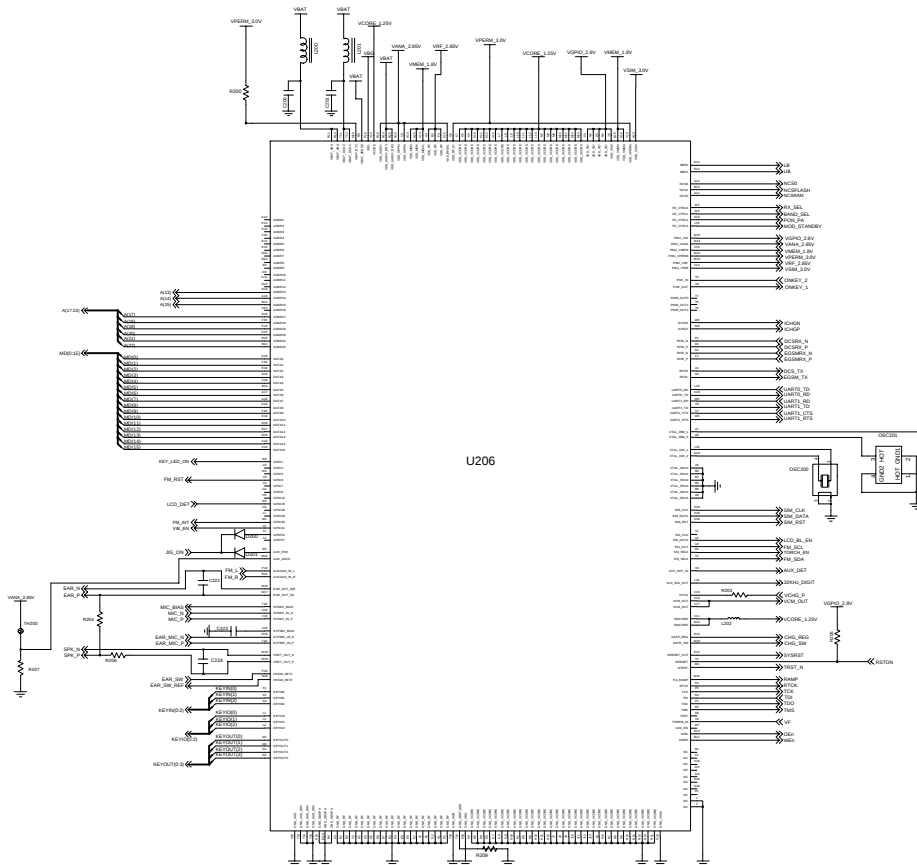
## 9-2. Initial



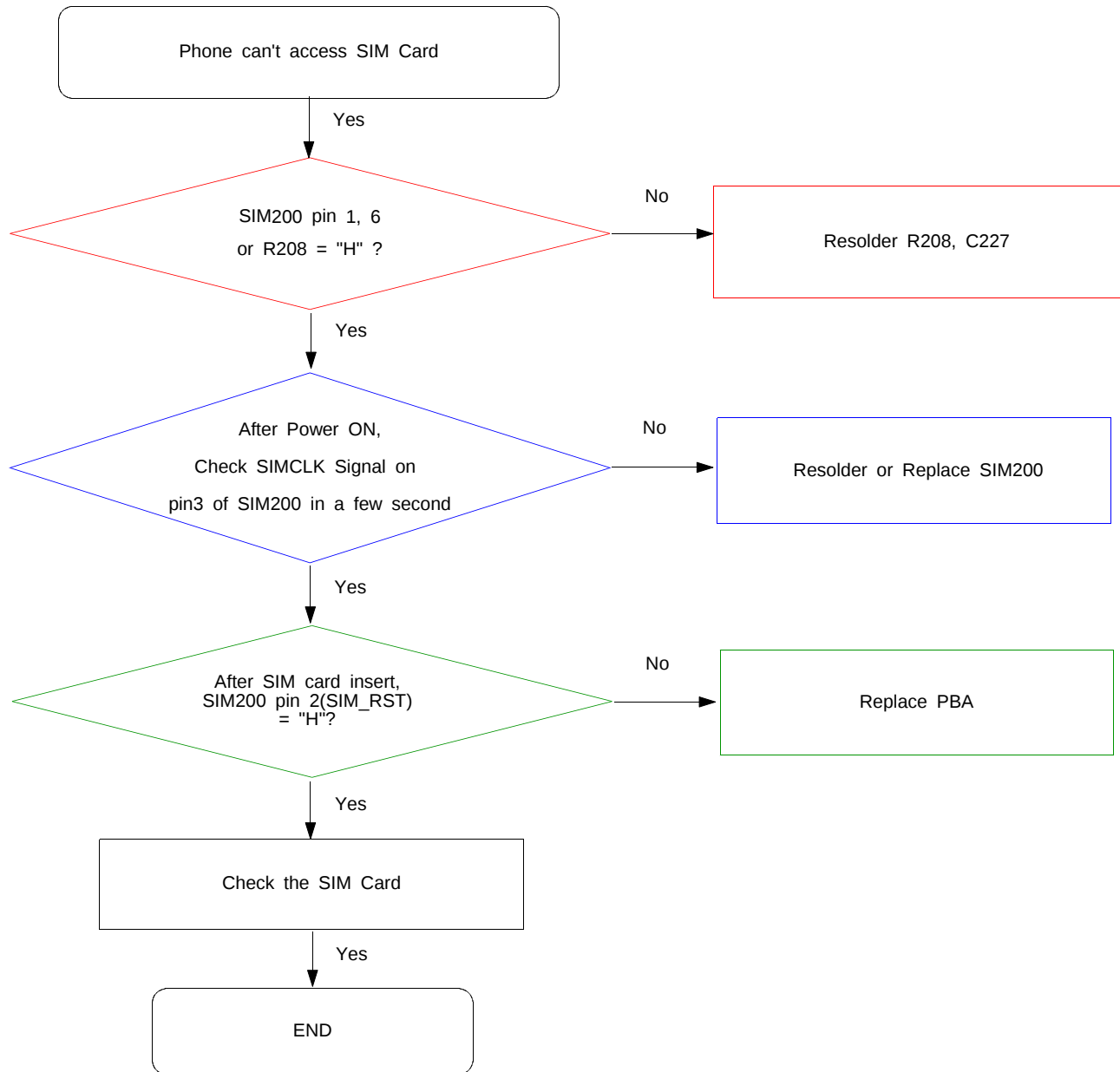


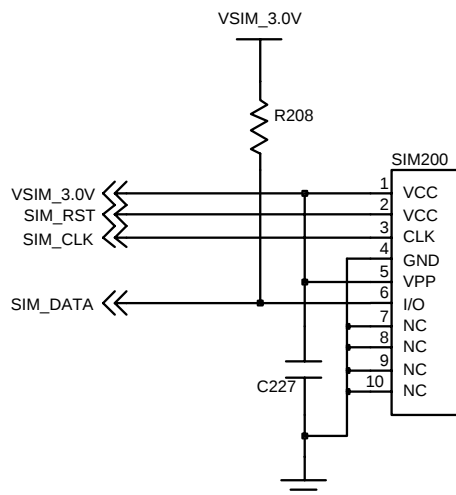
### 9-3. Charging Part





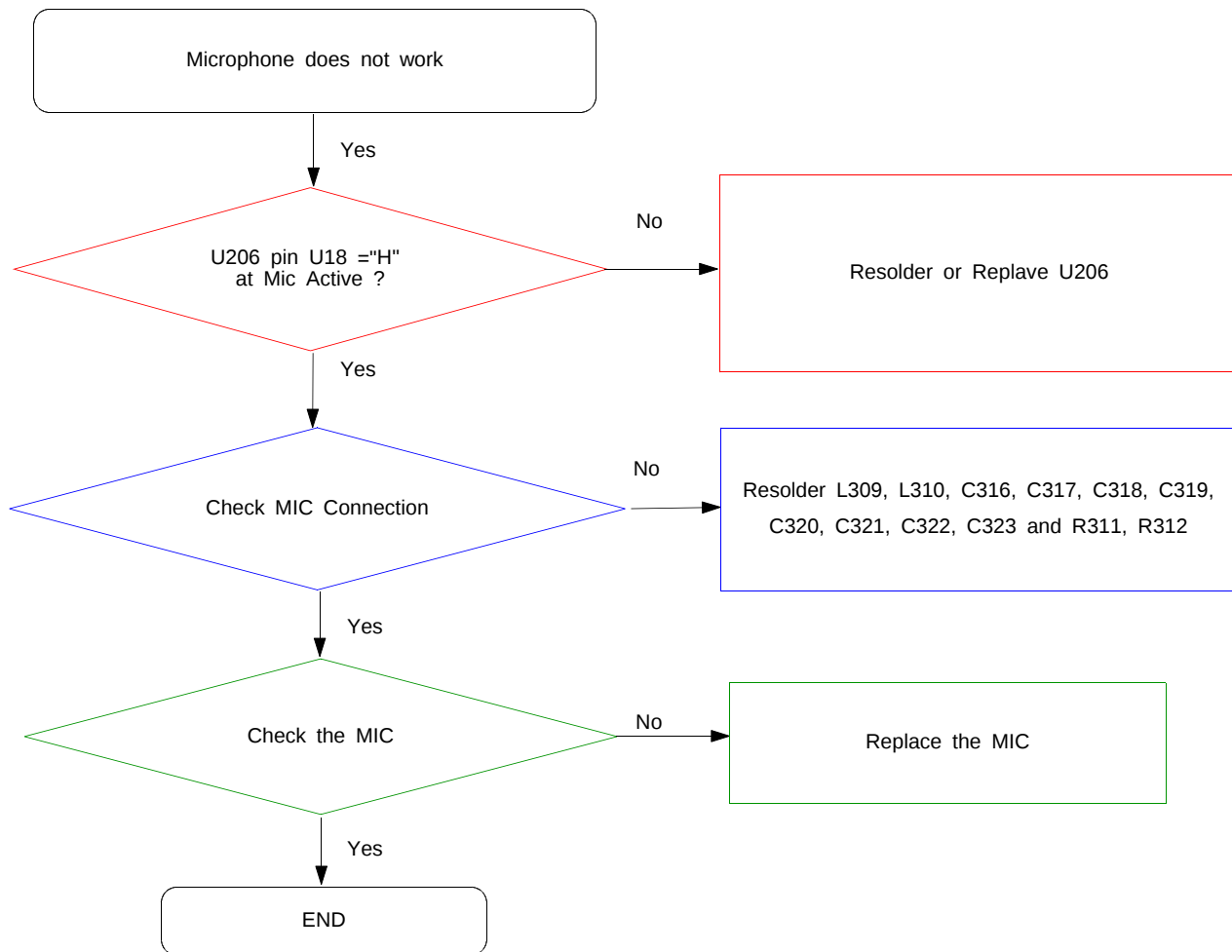
## 9-4. Sim Part

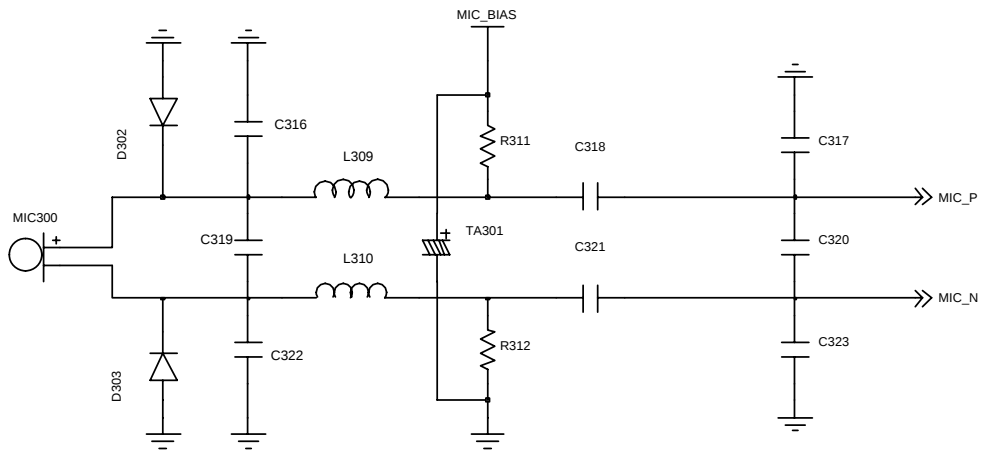
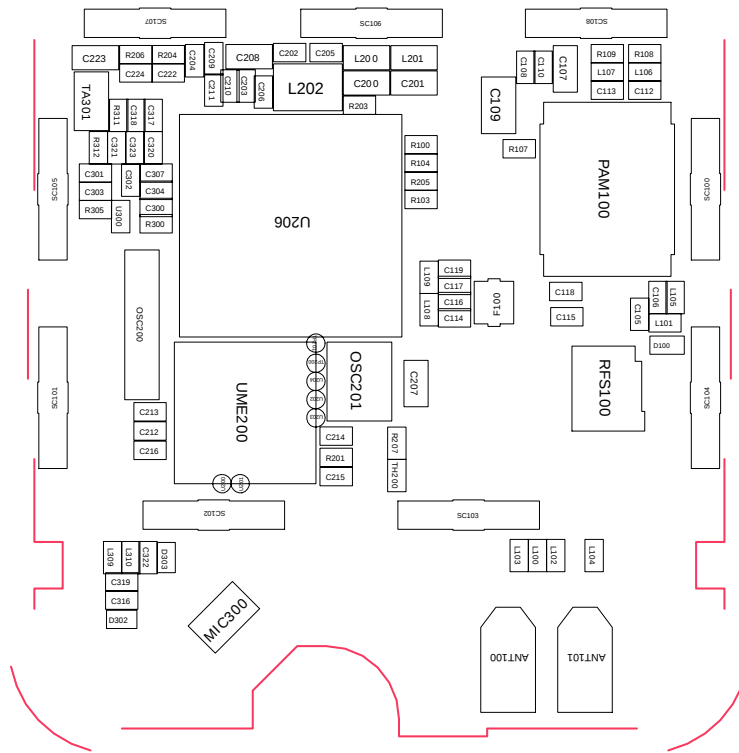




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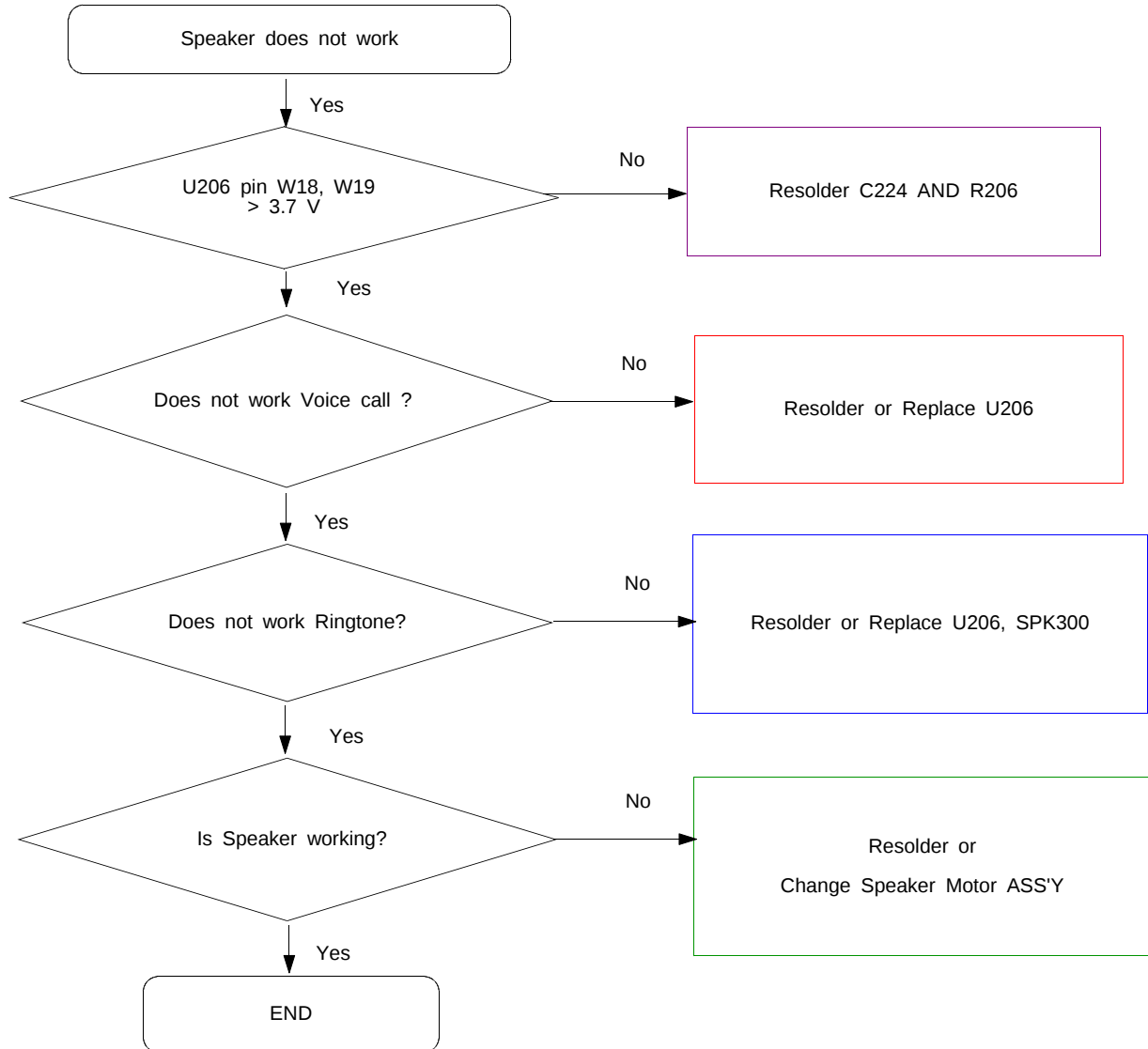
## 9-5. Microphone Part

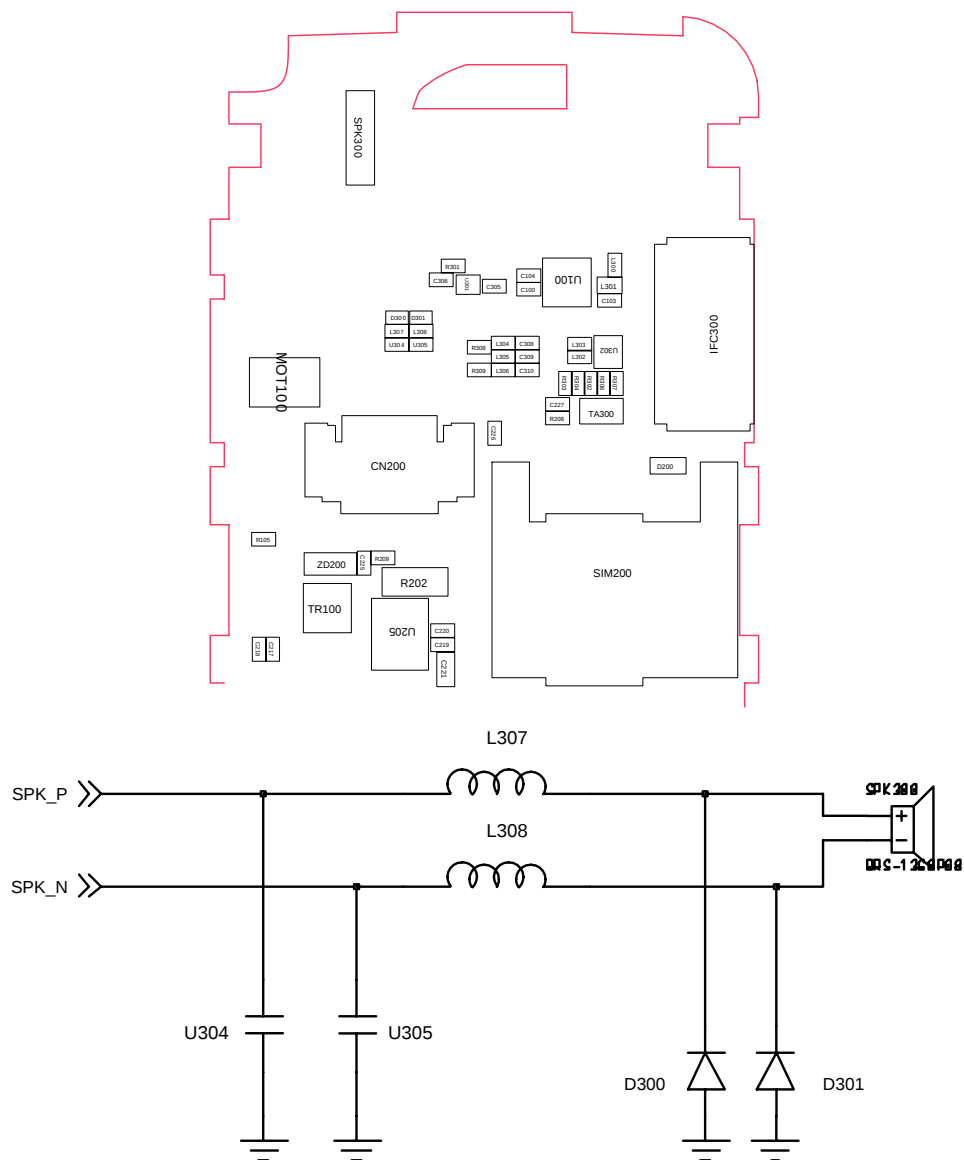




MAIN\_MIC

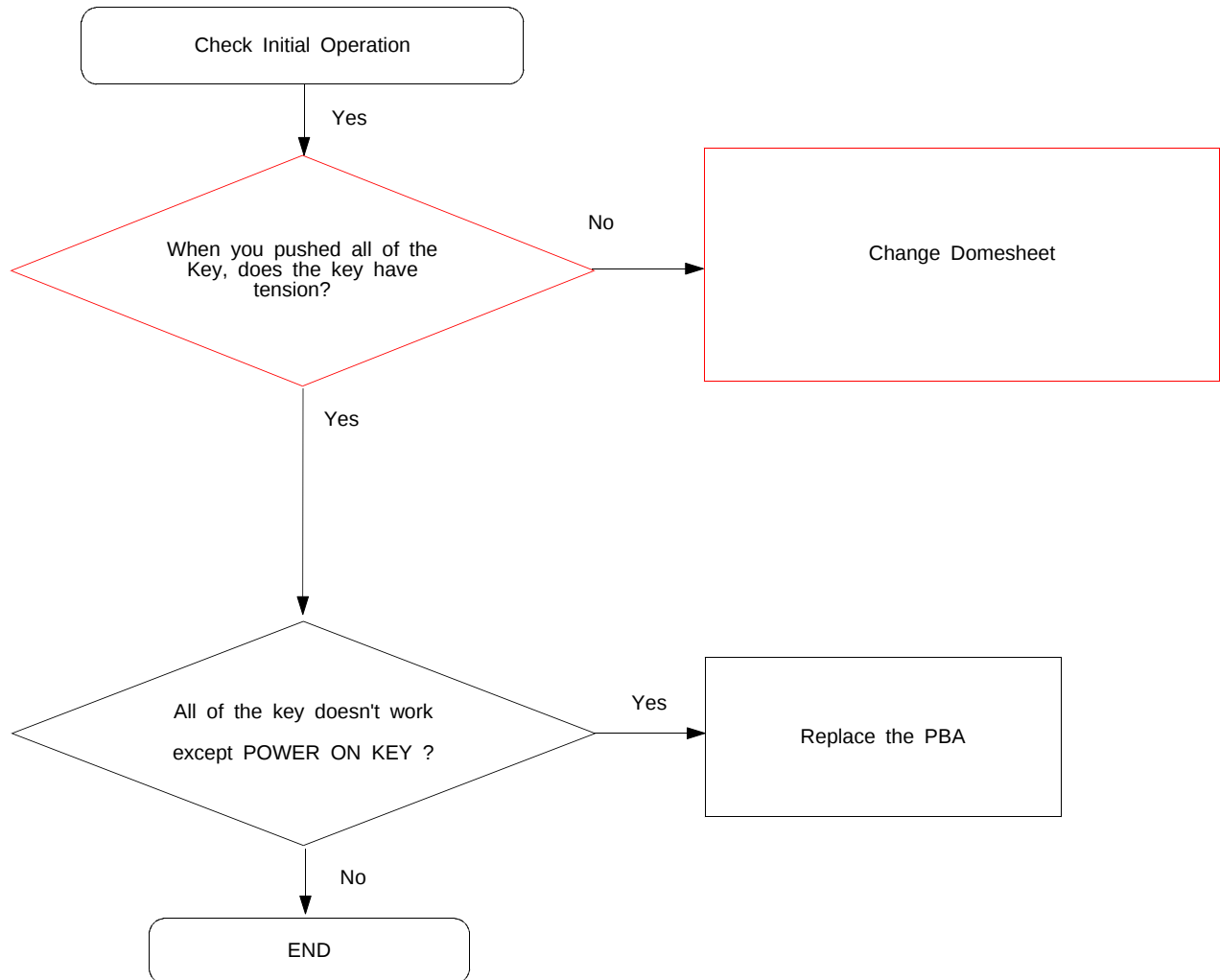
## 9-6. Speaker Part

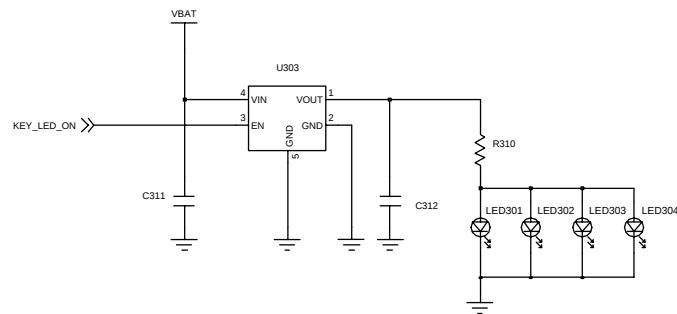
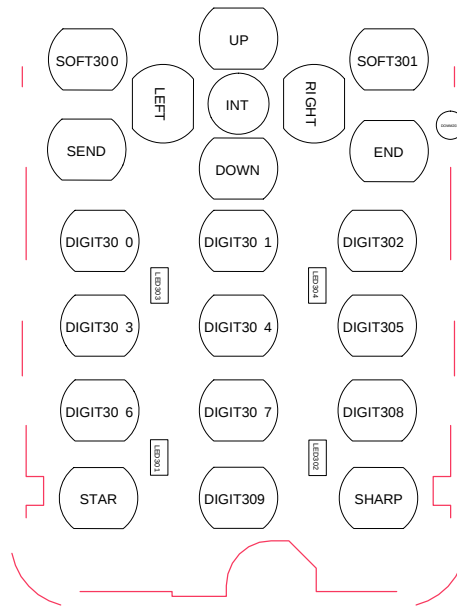




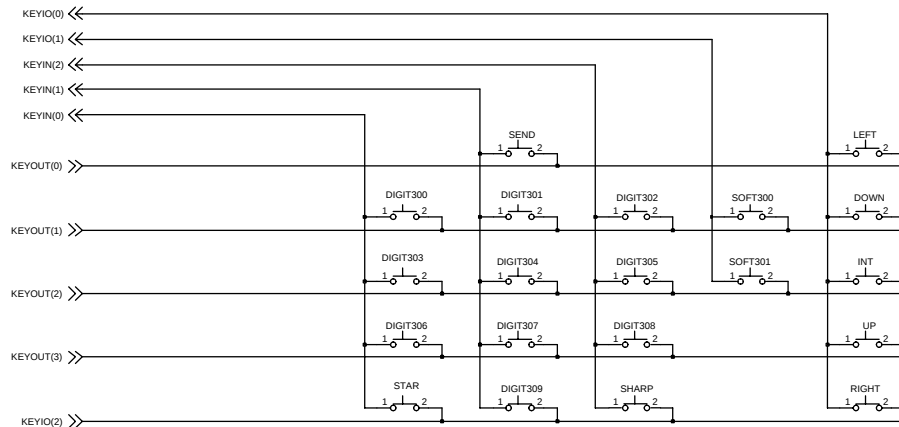
# SPEAKER

## 9-7. Key Data Input



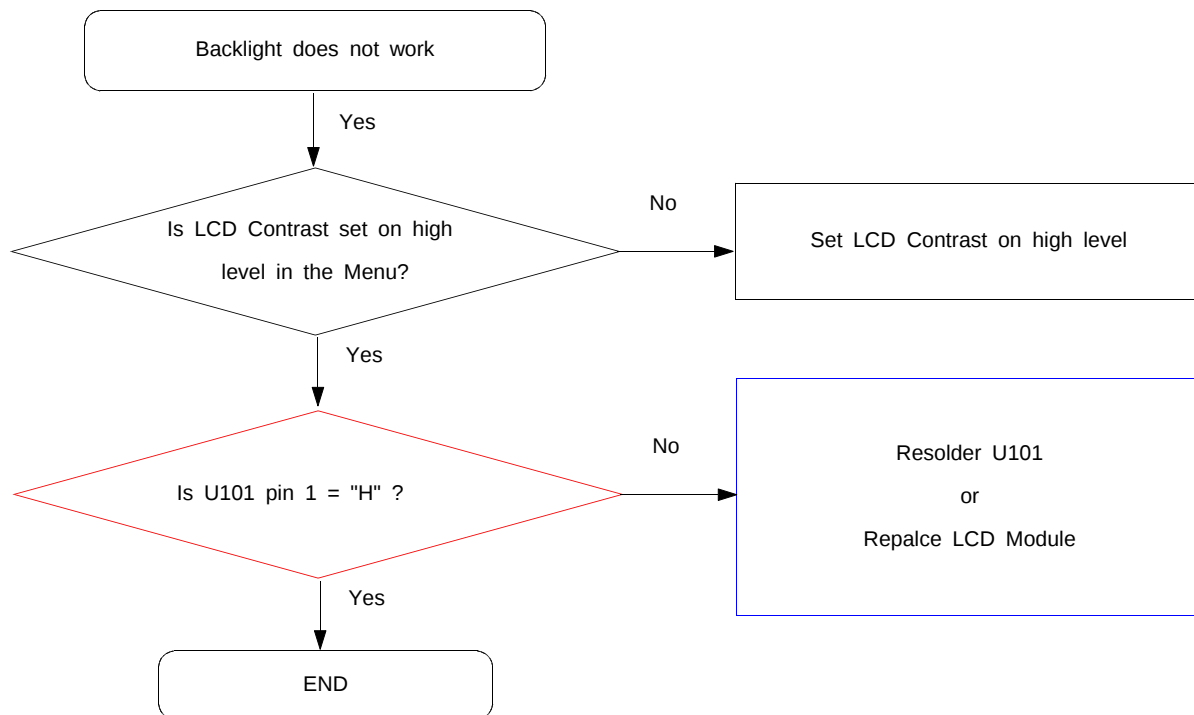


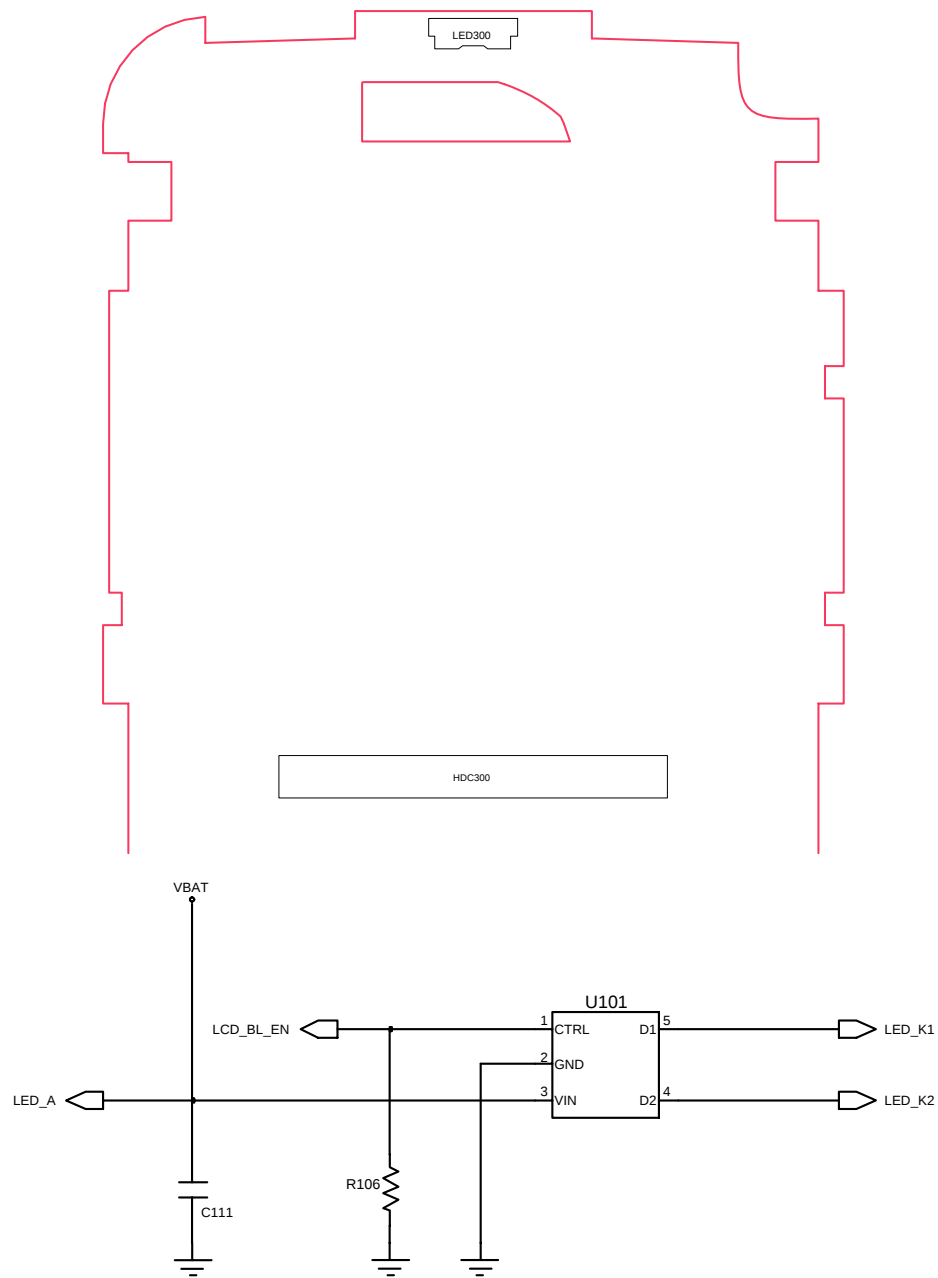
## KEY LED



## KEY MAP

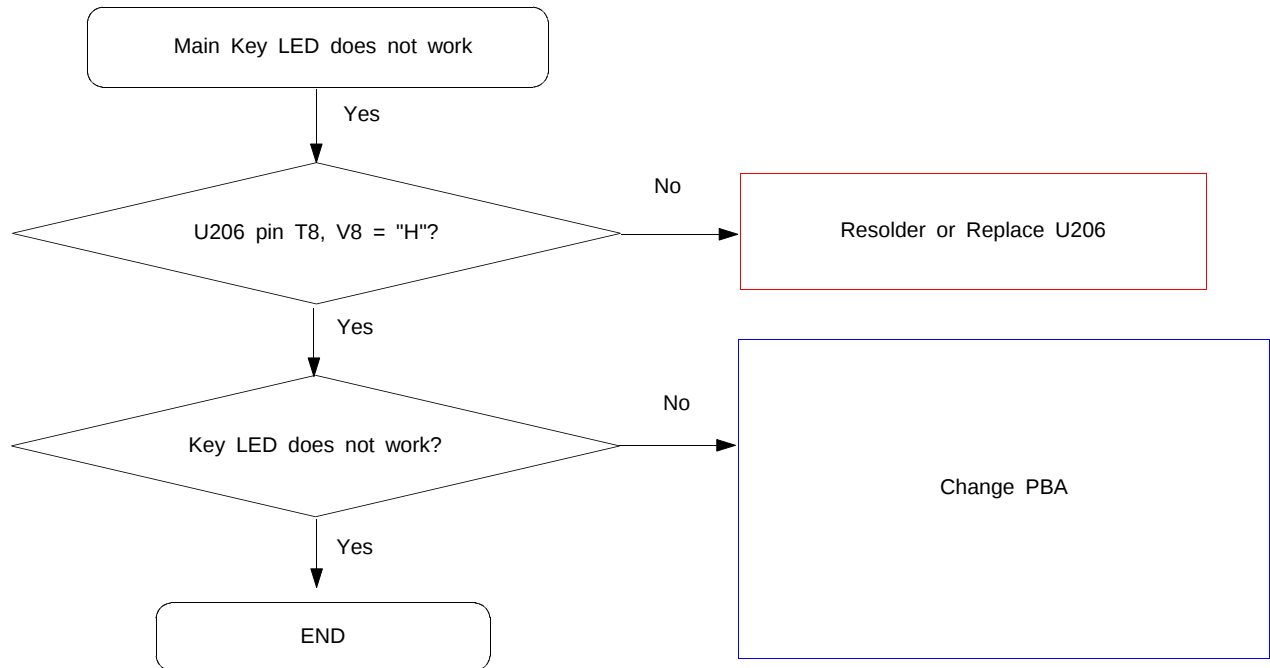
## 9-8. Back Light (for Color Main LCD)





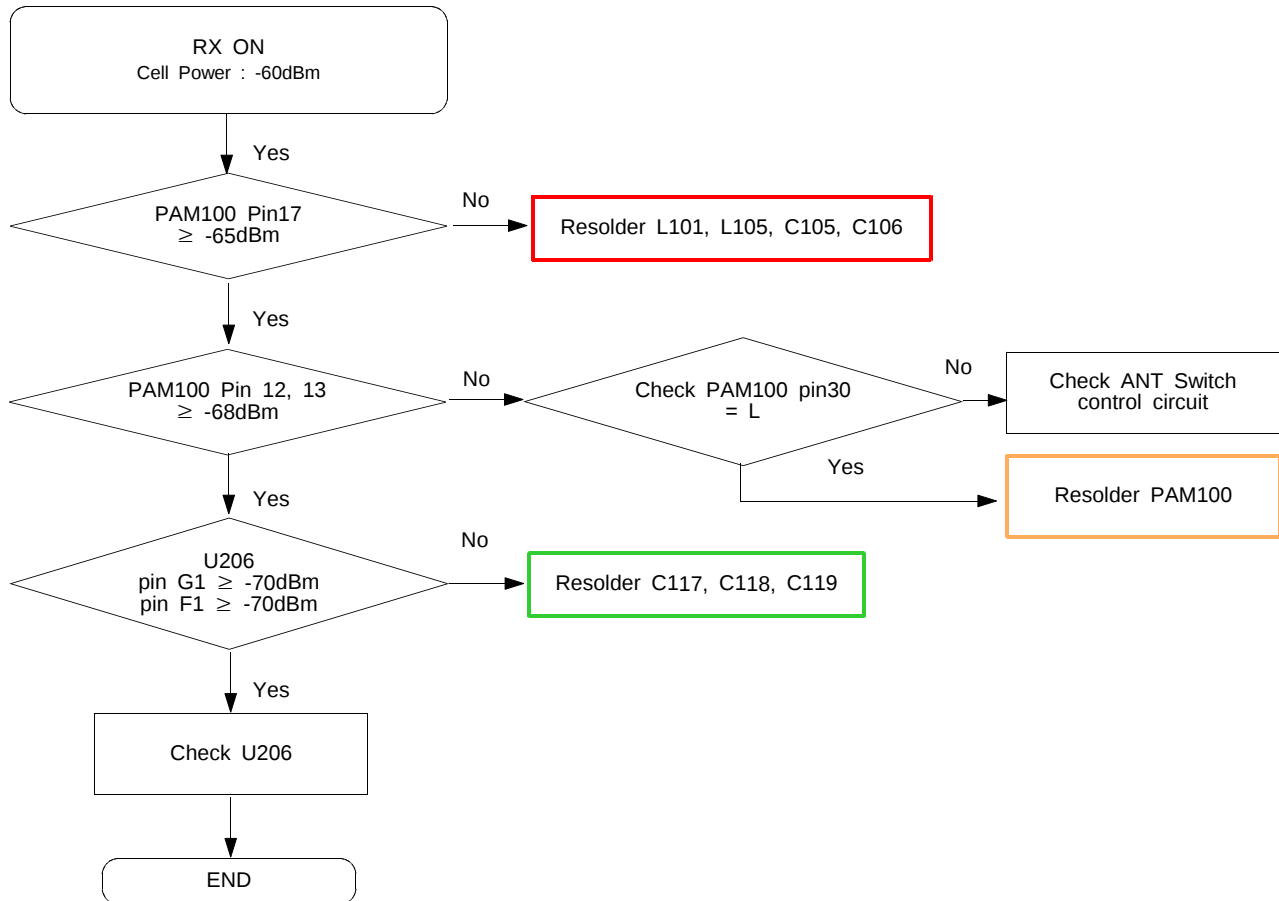
## LCD BACKLIGHT

## 9-9. Key Back Light

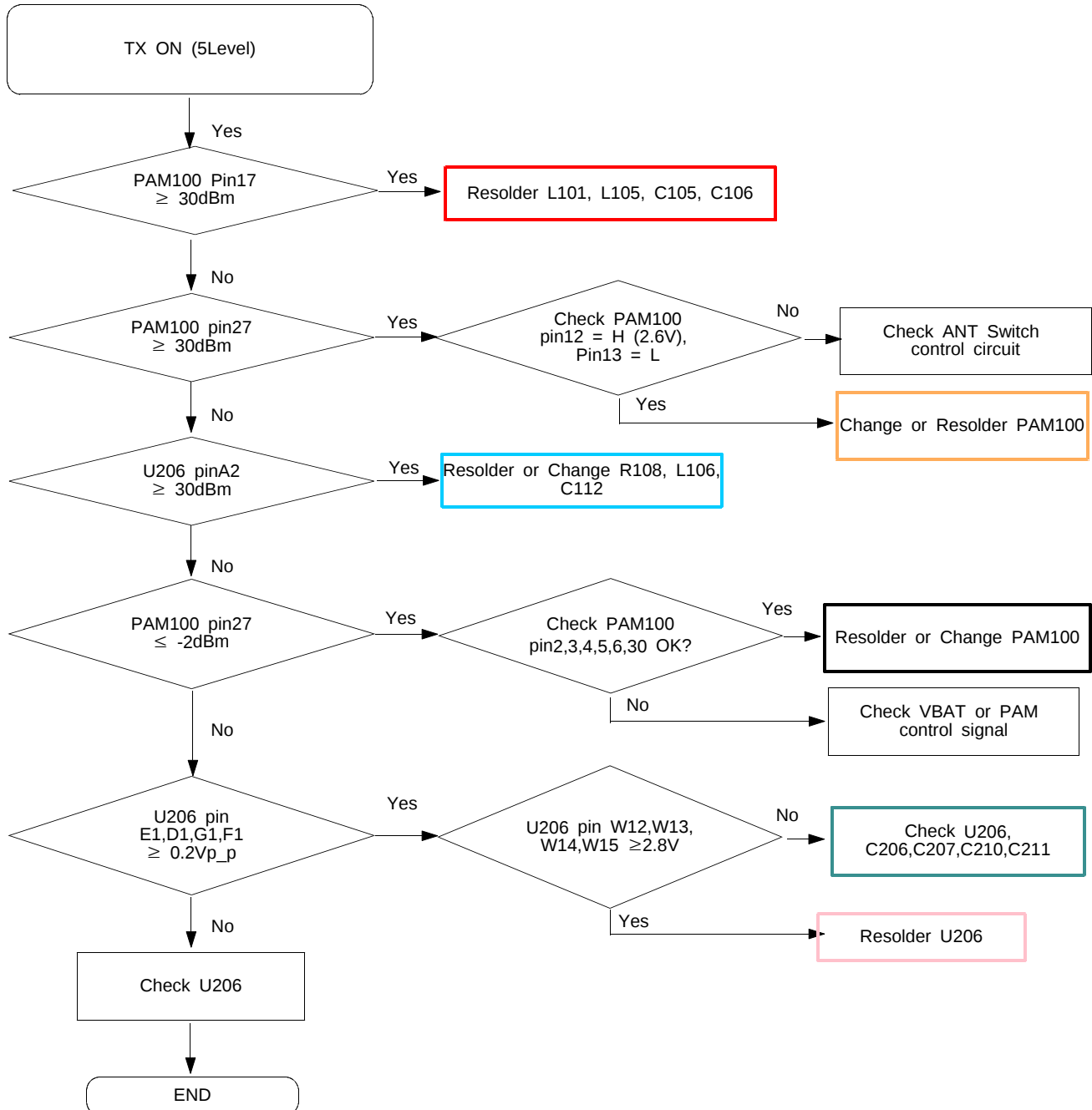




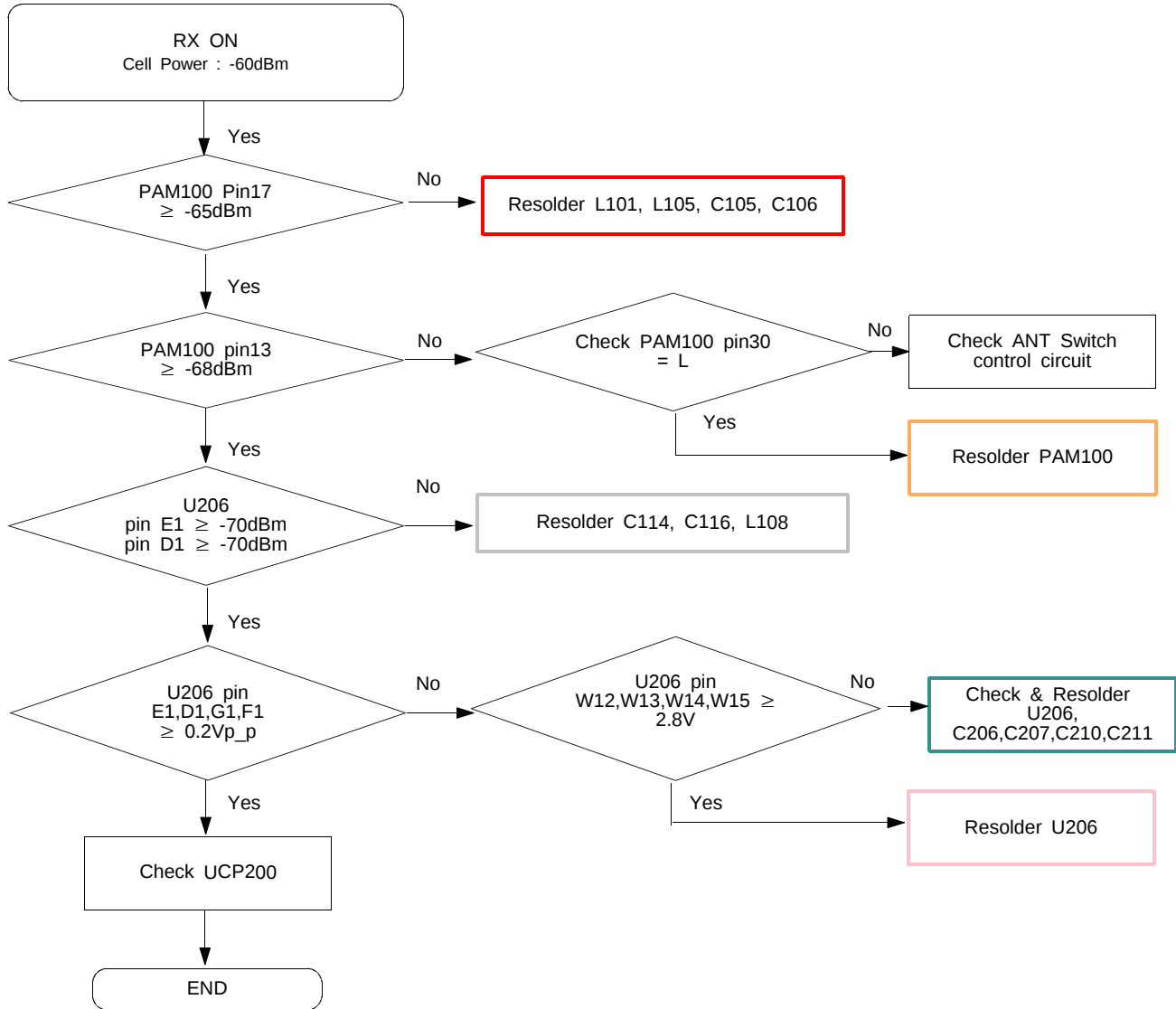
## 9-12. GSM850 Receiver



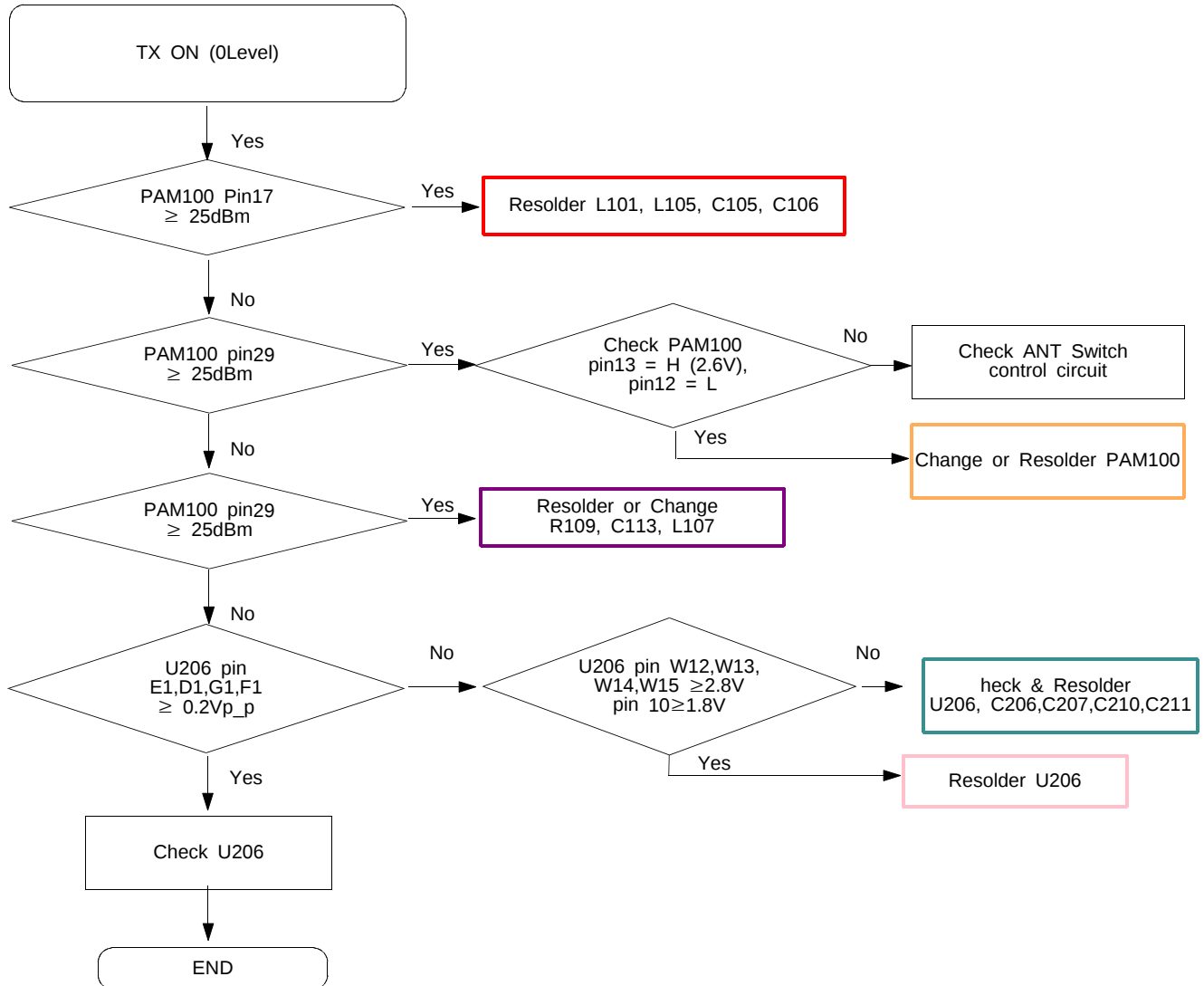
## 9-13. GSM850 Transmitter

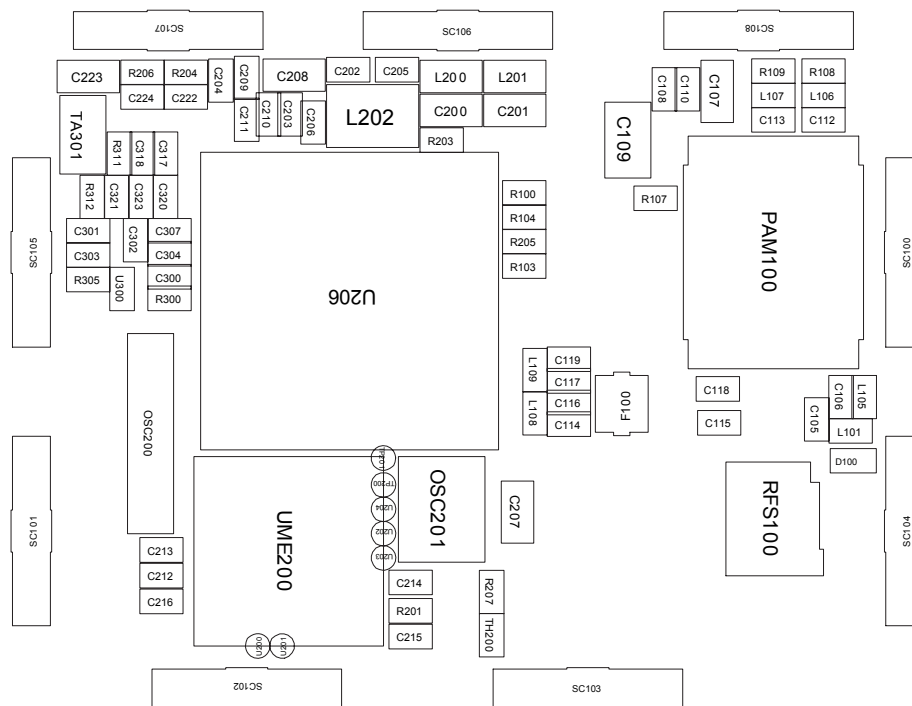


## 9-14. PCS Receiver



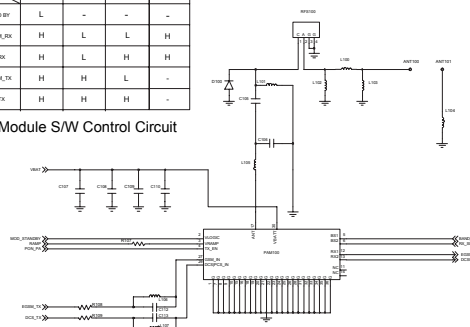
## 9-15. PCS Transmitter



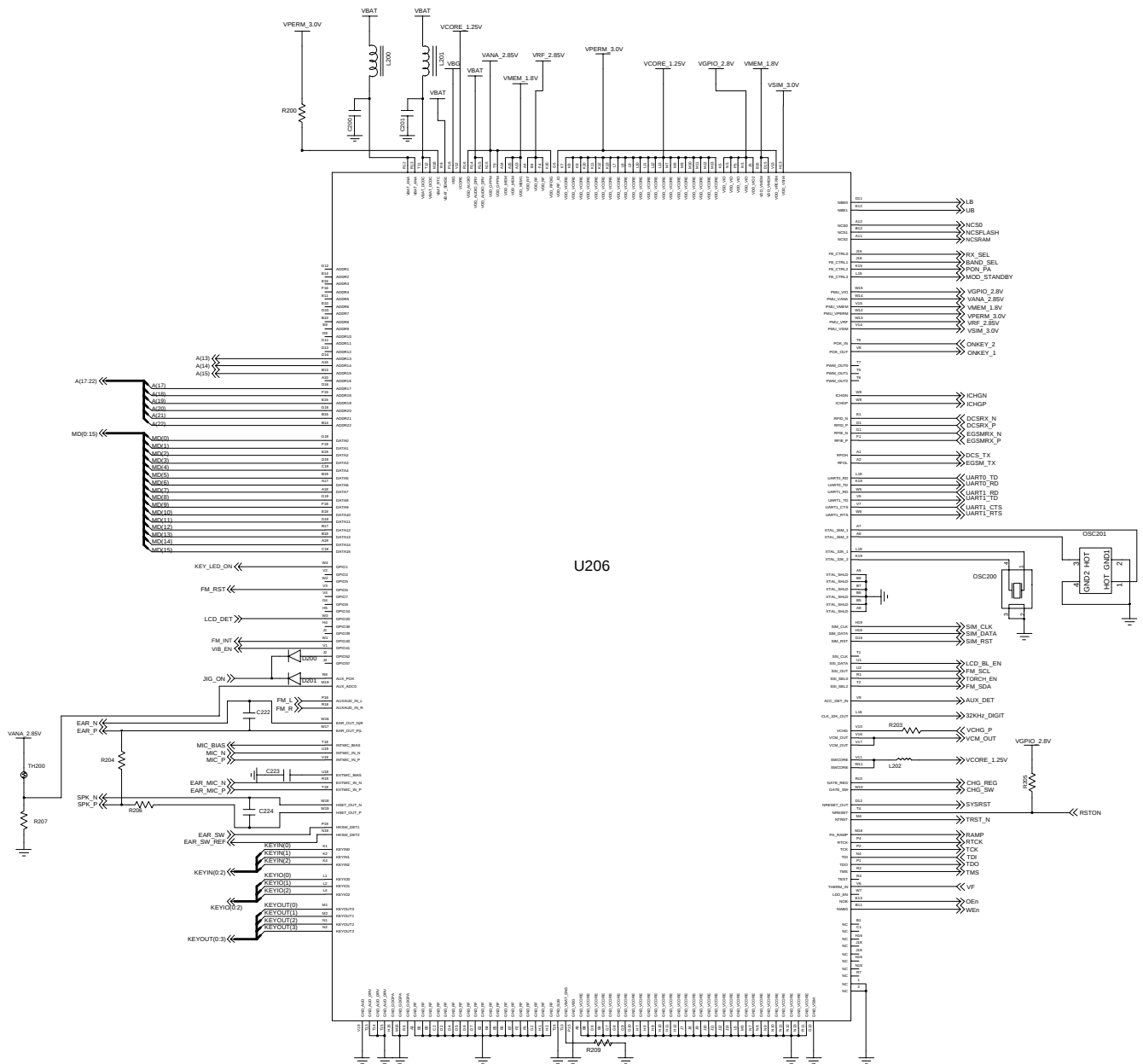


|         | MOD_STANDBY | FOR_PA | SWD_SEL | SW_SEL |
|---------|-------------|--------|---------|--------|
| STANDBY | L           | -      | -       | -      |
| ESDM_RX | H           | L      | L       | H      |
| DCCL_RX | H           | L      | H       | H      |
| ESDM_TX | H           | H      | L       | -      |
| DCCL_TX | H           | H      | H       | -      |

TX Module S/W Control Circuit

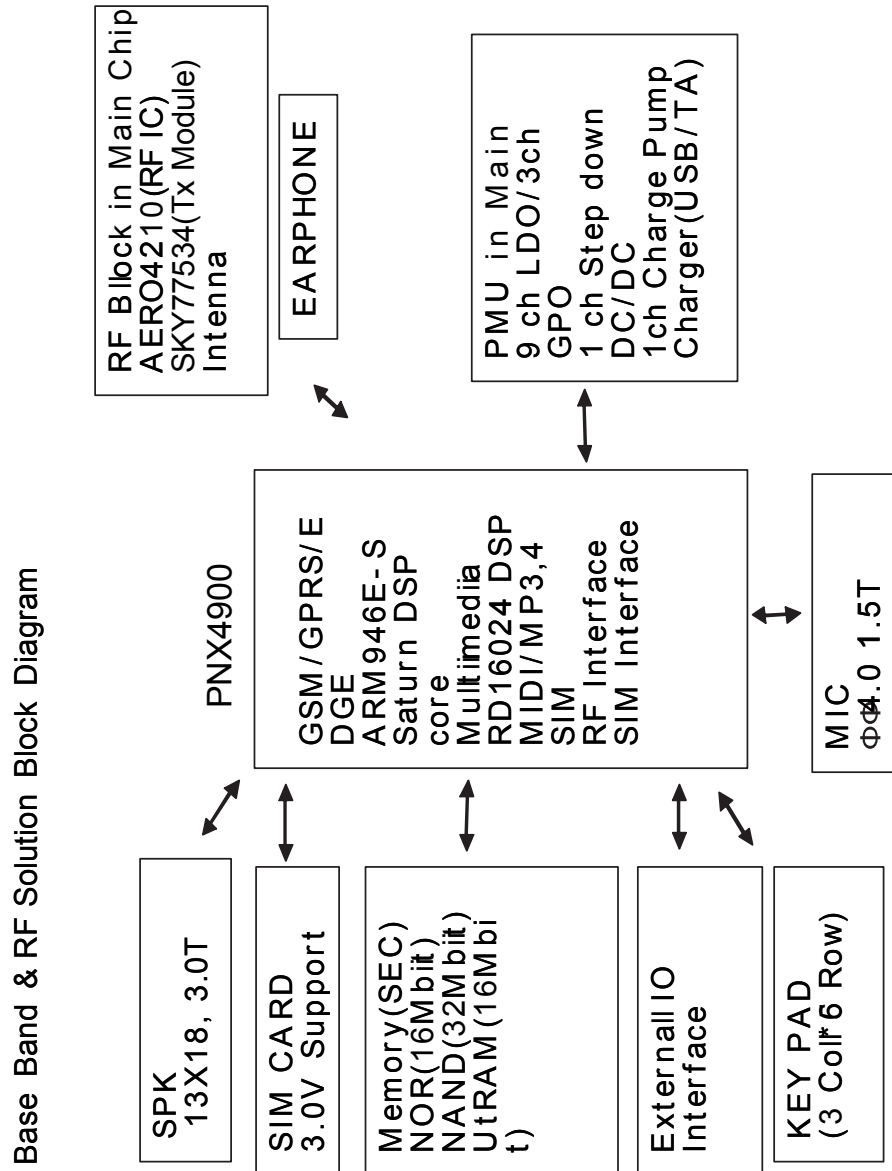


## RF Part



## 7. Block Diagrams

### 7-1. RF Solution Block Diagram

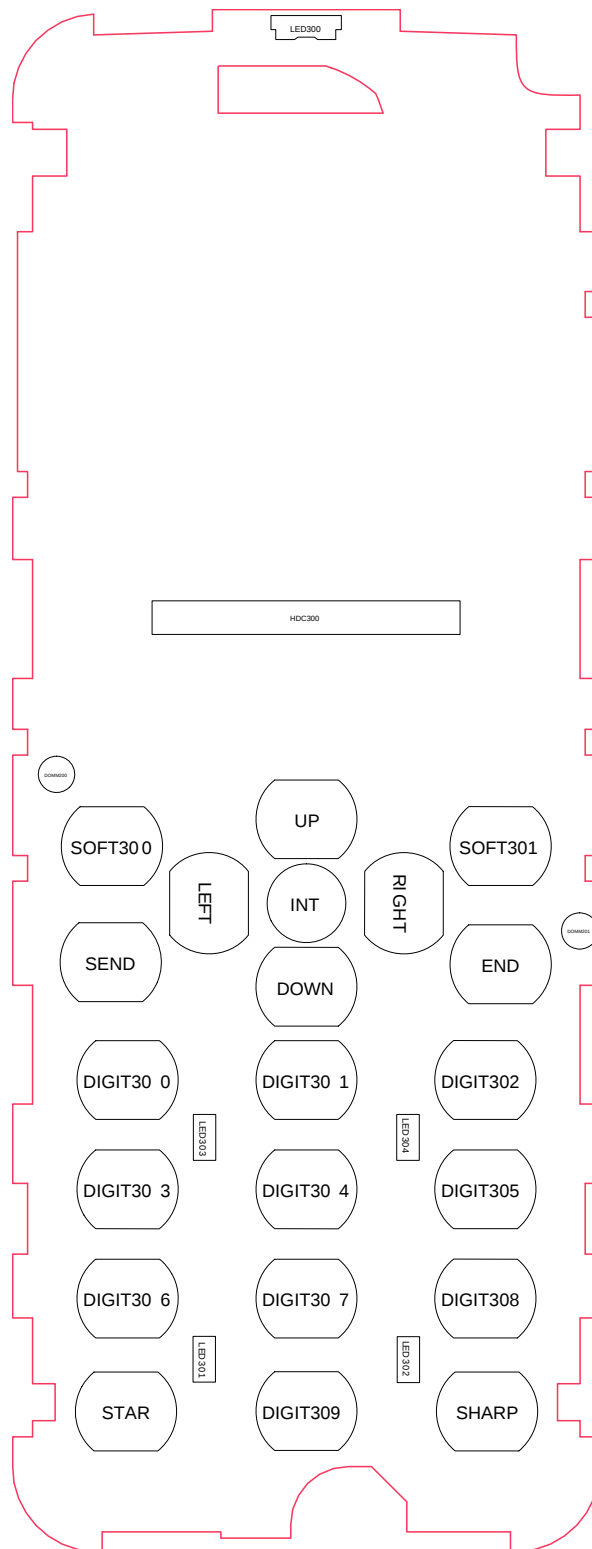


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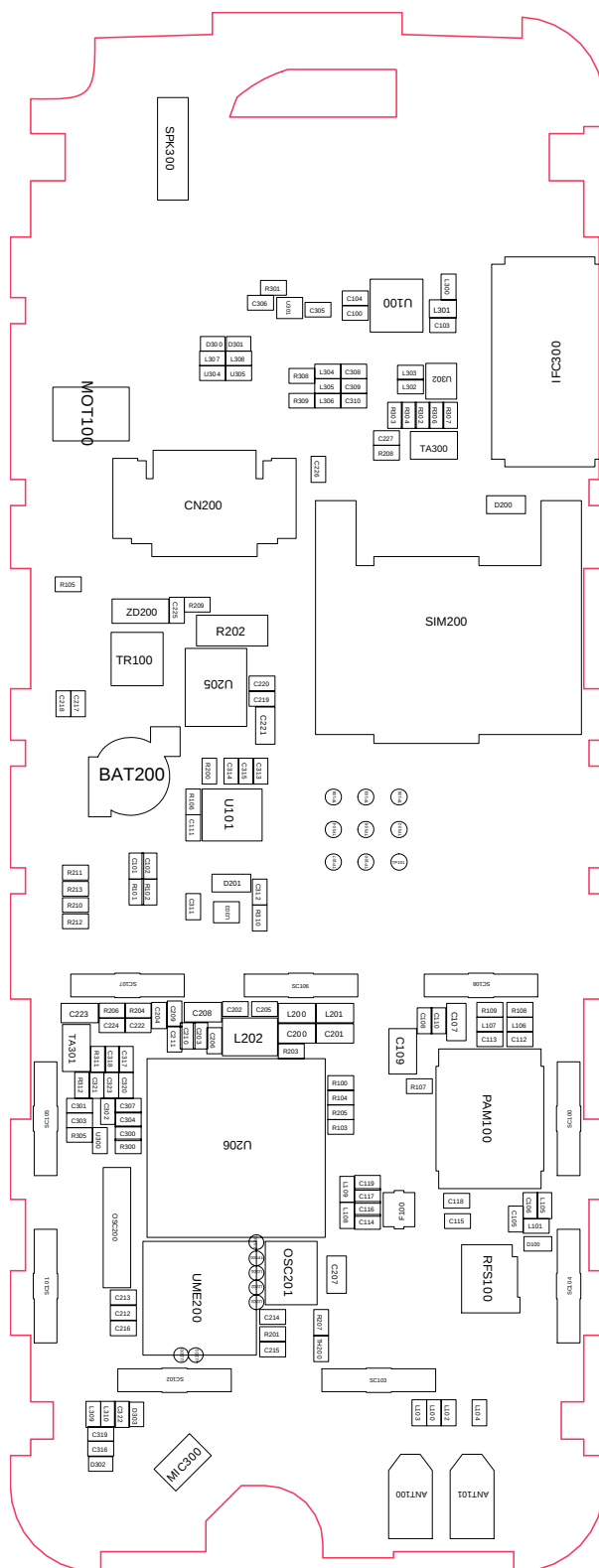
## 8. PCB Diagrams

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Top



## Bottom



## 11. Disassembly and Assembly Instructions

### 11-1. Disassembly

1



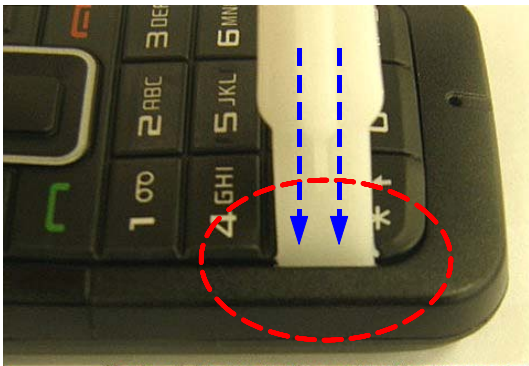
1) Remove BATTERY, SIM CARD

2



1) Raise Jig left boundary of KEYPAD to make a gap for front hook.

3



1) Raise jig to disjoint front hook middle of '7' and '+' KEY PAD.

4



1) Raise jig to disjoint lower hook of '\*' KEY PAD.

5



1) Raise jig to disjoint right hook of '3' KEY PAD

6



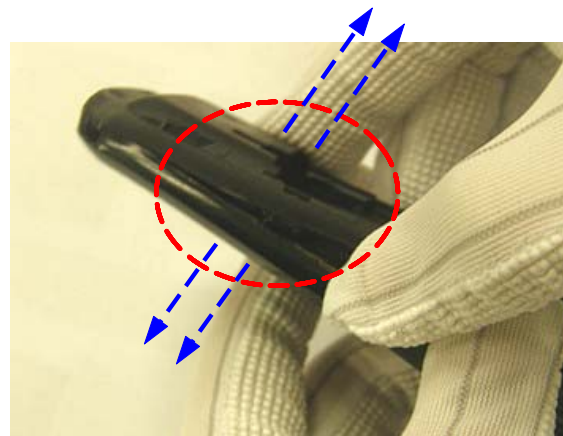
1) Raise jig to disjoint right hook of '#' KEY PAD.

7



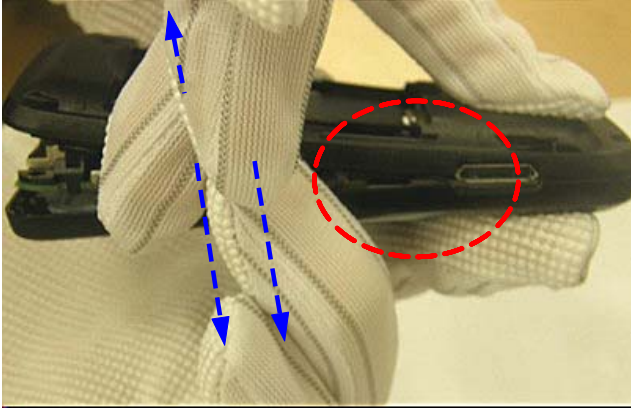
1) Raise jig to disjoint lower hook of '#' KEY PAD.

8



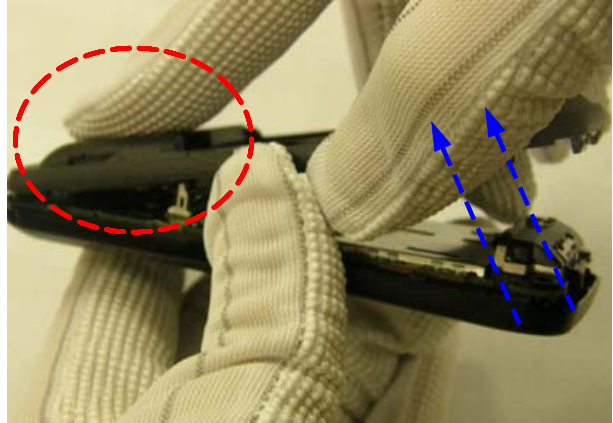
1) Raise REAR CASE by Using hand and then disassemble left hook of LCD first.

9



1) Do same thing right side.

10



1) Raise REAR CASE lower part by Using hand and then disassemble upper hook.

11



1) Disassembled REAR CASE.

12



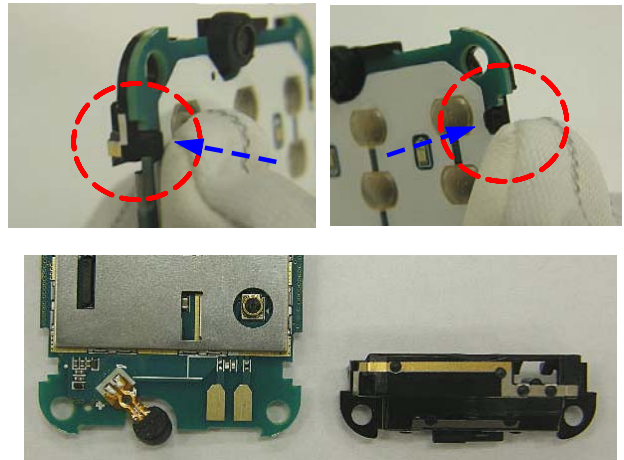
1) Diassemble SPEAKER, MOTOR by using tweezers

13



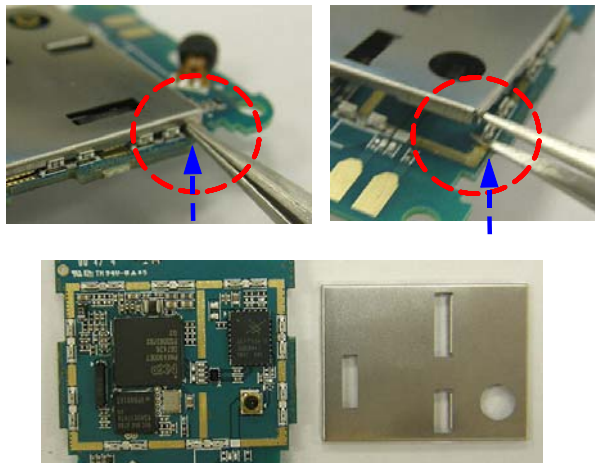
1) Disjoint left and right side of Front hook, separate PBA ASS'Y (Be careful not to inflow dust into MAIN WINDOW, LCD )

14



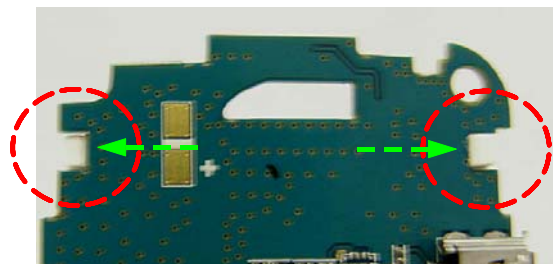
1) Disjoint left and right side Hook of Antenna

15



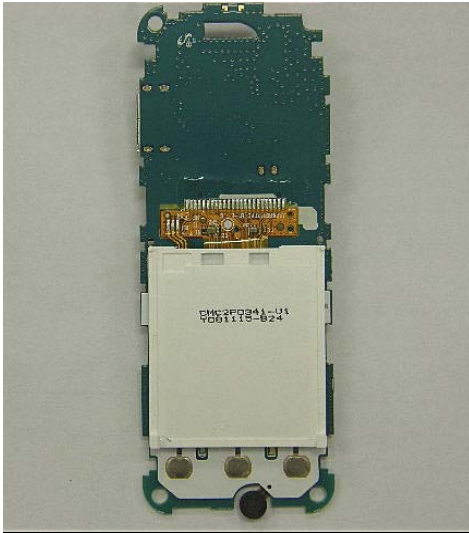
1) Put tweezers into left low end hole of shield can and spread hole to disjoint shield can

16



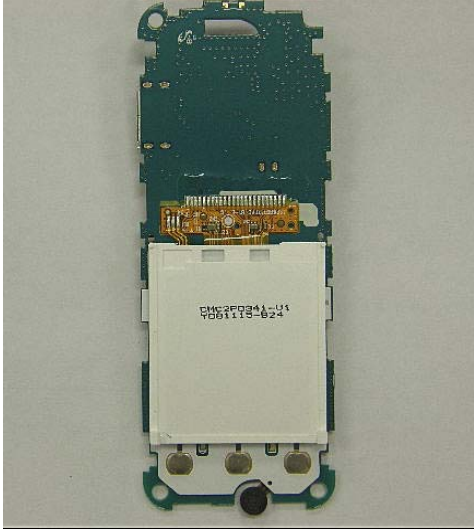
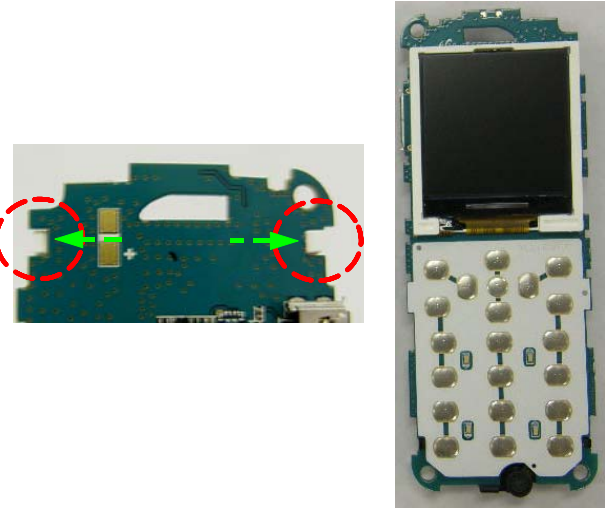
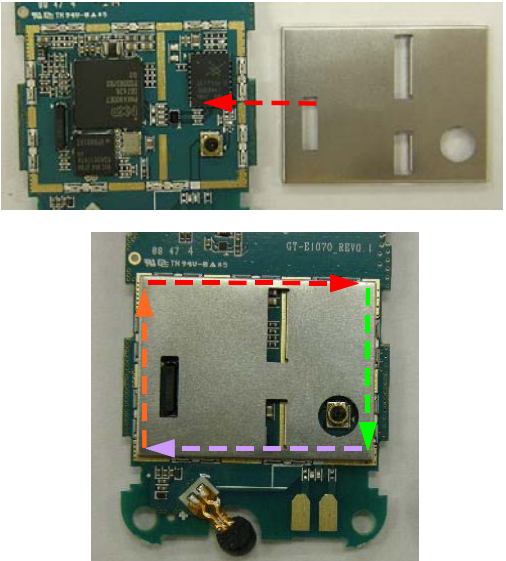
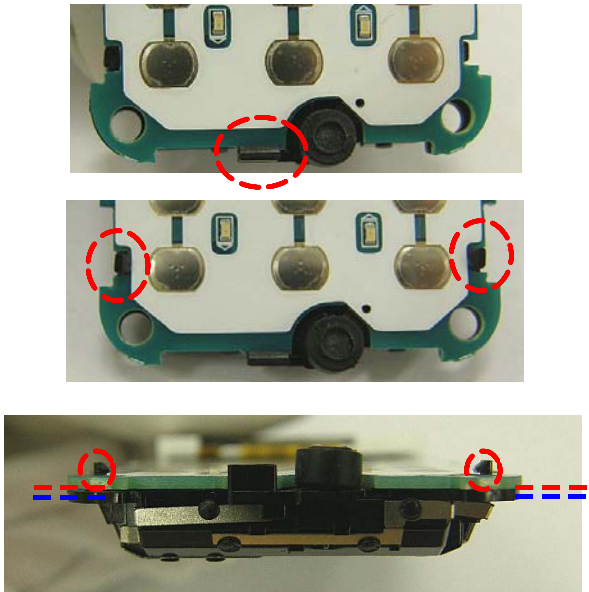
1) Disjoint left and right side of LCD hook  
(Be careful not to inflow dust into LCD and leave fingerprint)

17

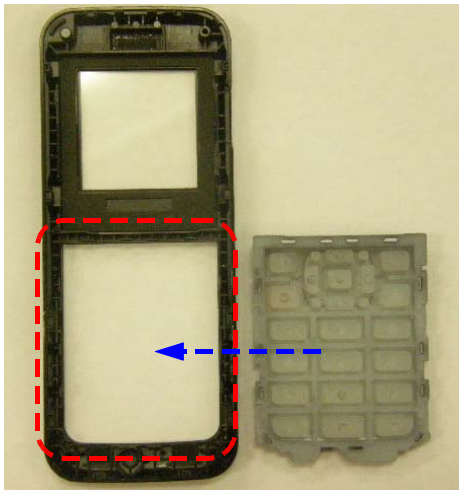


1) Disassembling Completed

## 11-2. Assembly

|                                                                                                                                                  |                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="162 294 235 346" data-label="Text">1</div>      | <div data-bbox="820 294 893 346" data-label="Text">2</div>      |
| <p>1) Prepare PBA ASS'Y</p>                                                                                                                      | <p>1) Put LCD into upper left and right hook of PBA<br/>(Assembling each side by side, Be careful not to damage LCD)</p>                          |
| <div data-bbox="162 1077 235 1129" data-label="Text">3</div>  | <div data-bbox="820 1077 893 1129" data-label="Text">4</div>  |
| <p>1) Put shield can into pba clip<br/>2) press down by following direction to insert perfectly.</p>                                             | <p>1) Insert left hook of intenna into pcb and then do right side<br/>2) Be carefull not to make a gap between intenna and pcb</p>                |

5



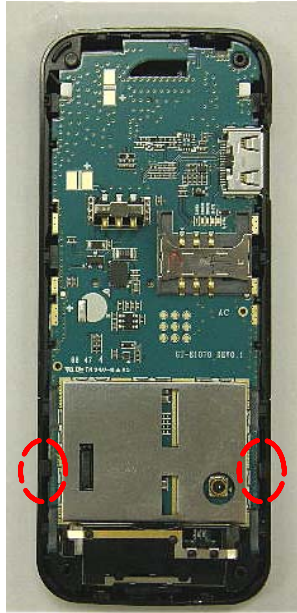
1) Put Keypad on the front

6



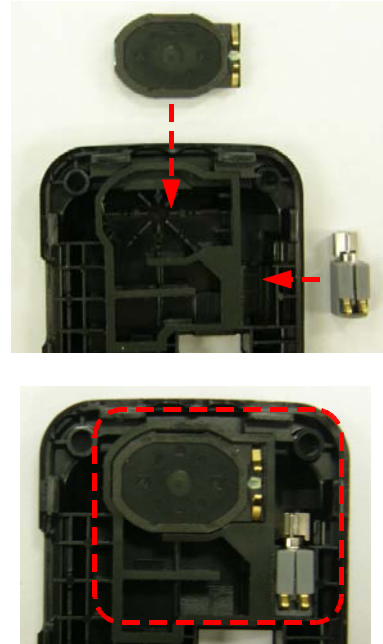
1) Insert PBA array onto front Ass'y

7

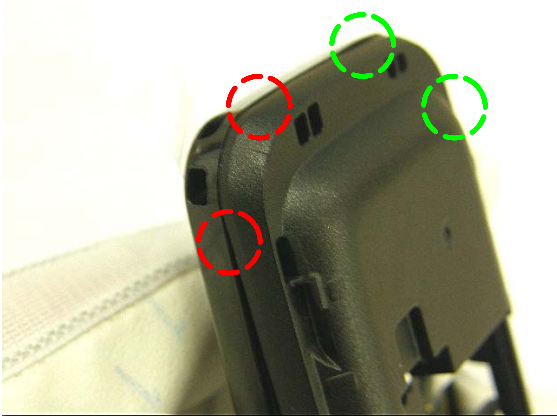
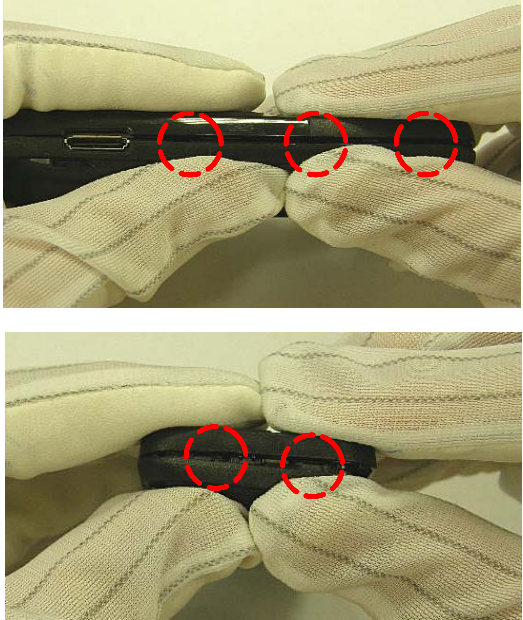
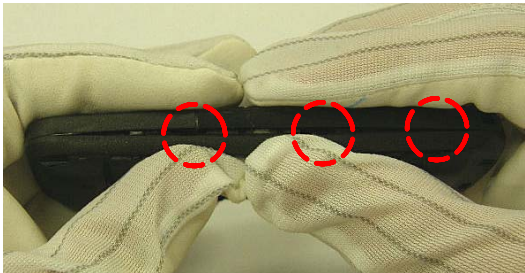


1) Assemble left and right hook with front

8



1) Insert speaker and motor into rear case  
(Be sure to insert perfectly)

|                                                                                                                                                   |                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="175 237 203 264" data-label="Text">9</div>       | <div data-bbox="829 233 867 260" data-label="Text">10</div>       |
| <p>1) Assemble rear with front<br/>2) Insert two upper left hook and then do right side</p>                                                       | <p>1) Assemble three left hooks and then two low side</p>                                                                                           |
| <div data-bbox="170 1050 207 1077" data-label="Text">11</div>  | <div data-bbox="831 1050 868 1077" data-label="Text">12</div>  |
| <p>1) Assemble three right hooks</p>                                                                                                              | <p>1) Assembling complete</p>                                                                                                                       |