PAP5450DUO
service manual

content

Product introduce

Product introduce

Model：

Product size：134*67*10.25

Platform：MTK6572，dual-core 1.2GHz

Memory： **4GB+4Gb (Nand&sdram+RAM)**

System：Android 4.2

Frequency band: WCDMA：900/2100，GSM：**900/1800MHz**

Battery： 1500mAh

charger: Travel charger

USB cable: MICRO 5PIN

earphone： 3.5jack

LCD&TP： 4.5 FWVGA， Capacitance TP

Camera：0.3M and 5.0M CMOS

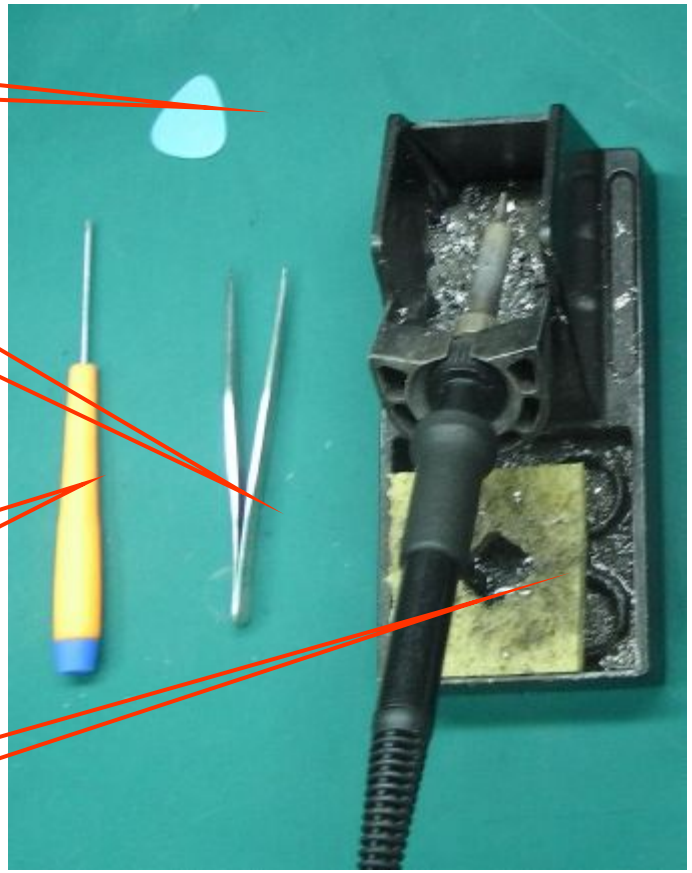
Support：BT2.1，WIFI，FM。

Support：3D graphics accelerator，accelerator sensor, distance sensor, light feeling sensor。

Disassembly guide

1. Tools list

Tweezer /Cross screw driver/ Solder/Tommy bar/hot gun



Disassembly guide

2. Battery caver disassembly

open the battery cover, as the Fig. 1

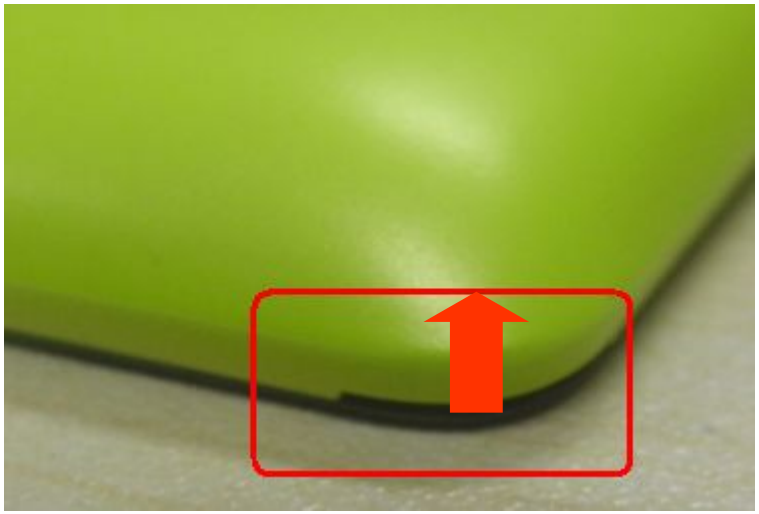


Fig. 1

Disassembly guide

3. Back caver disassembly

1）Unscrew 12 screws in back cover ，as the Fig.2；

Fig. 2

Disassembly guide

2）Disassemble back cover with Tommy bar ，as the Fig.3；

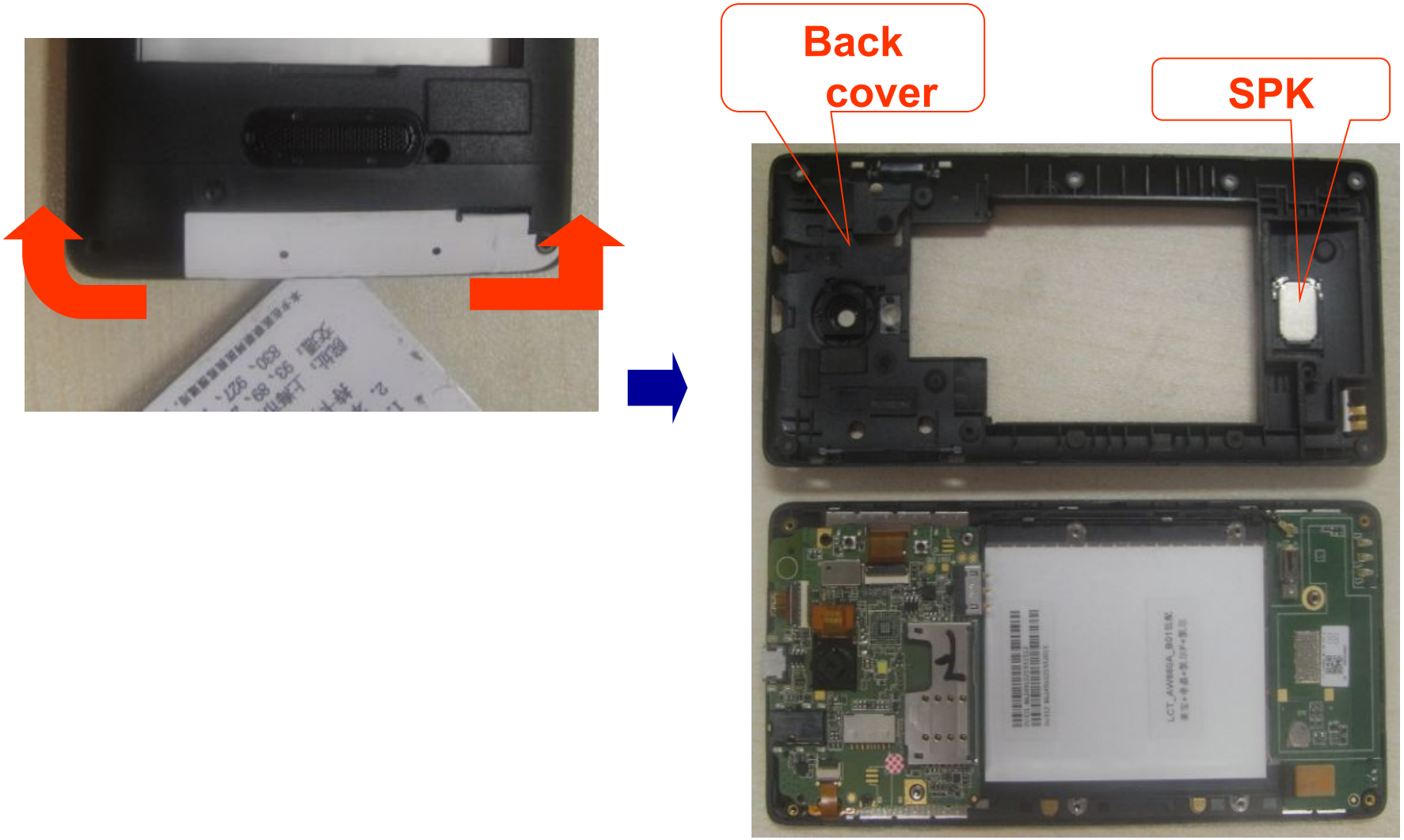


Fig. 3

Disassembly guide

4.Main board and front cover disassembly

1）The main components of distribution，as the fig.4；

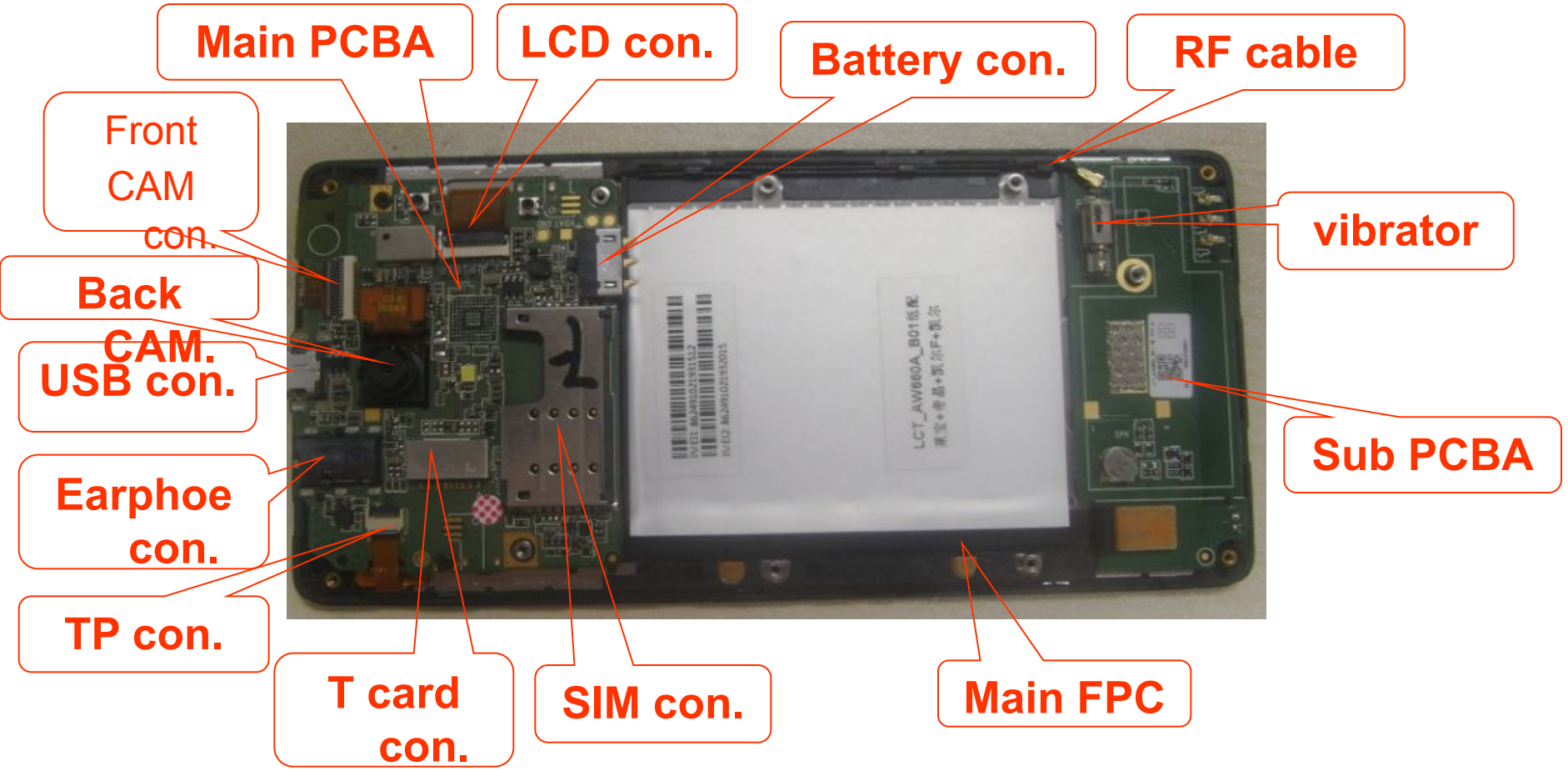


Fig.4

Disassembly guide

2）remove two screws and open the LCD con.& TP con.，and remove the volume key FPC & power key FPC as the fig.5；

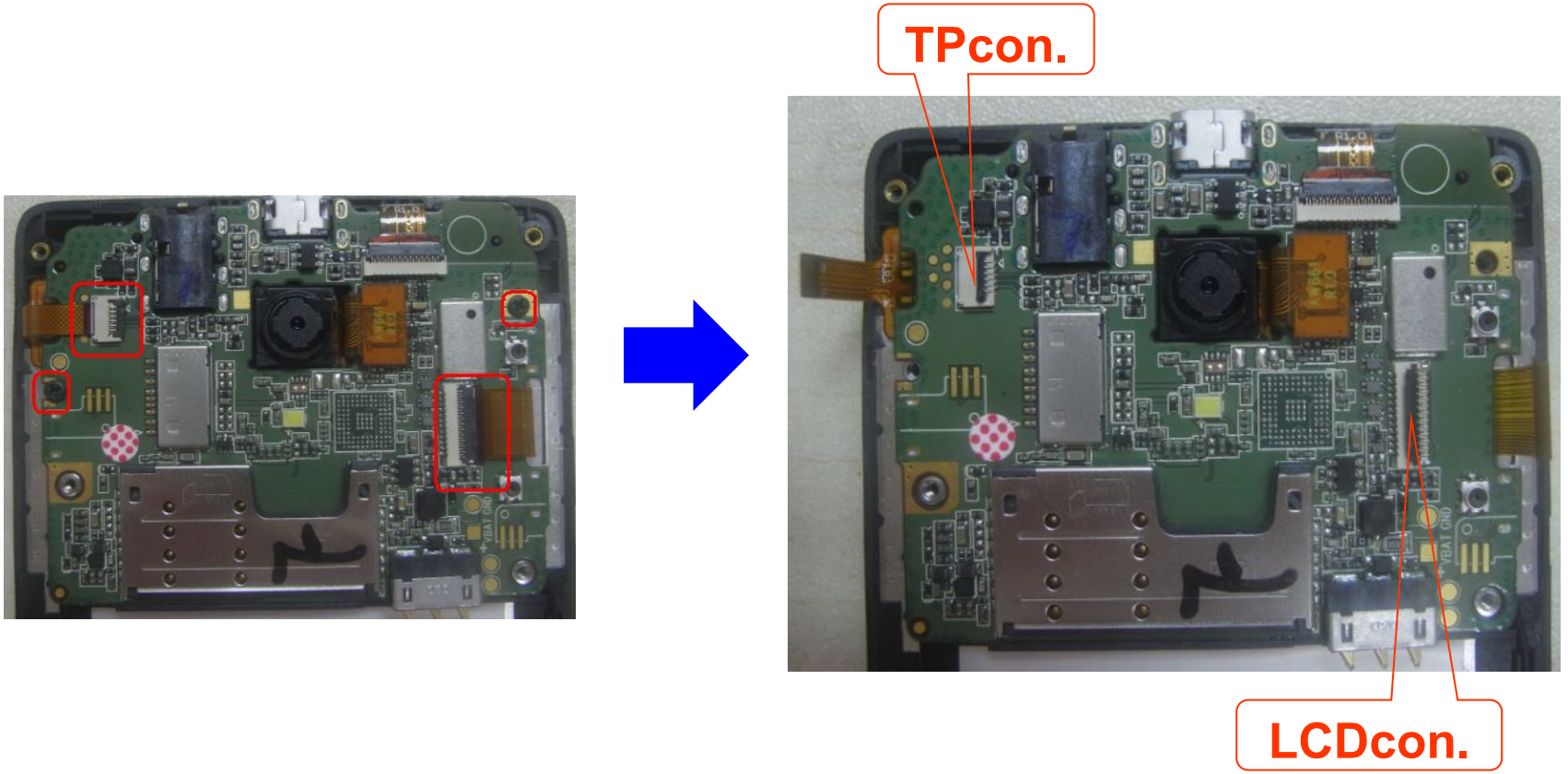


Fig.5

Disassembly guide

3）open the main board and remove the RF cable con. And main FPC con..as the FIG.6

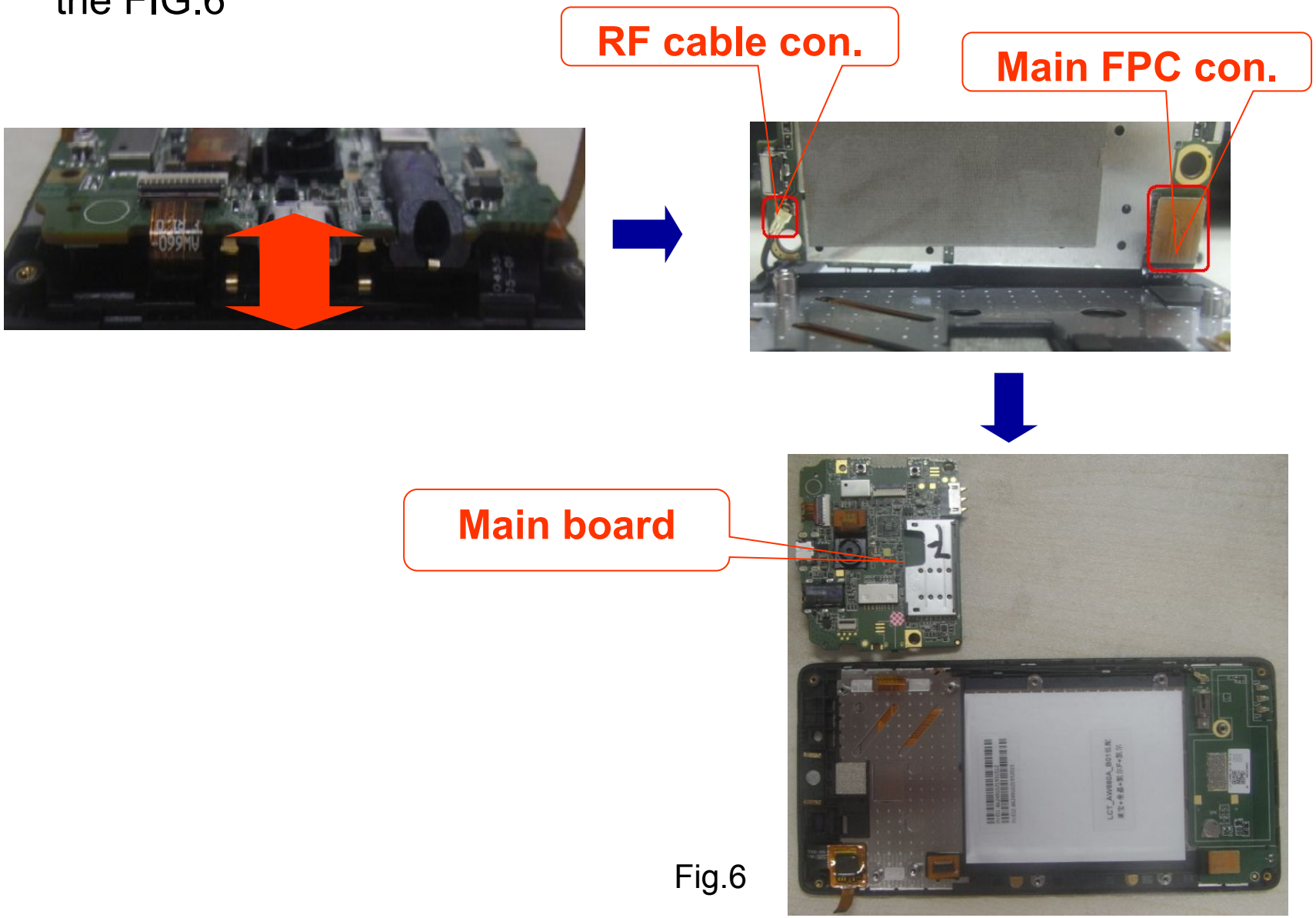
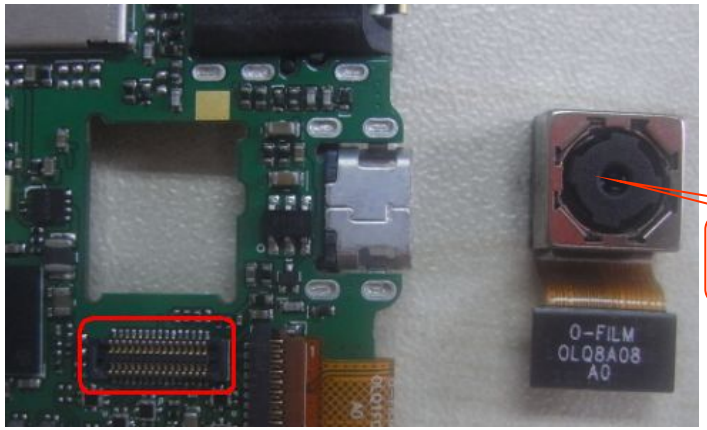


Fig.6

Disassembly guide

5. Front and Back camera & light sensor disassembly

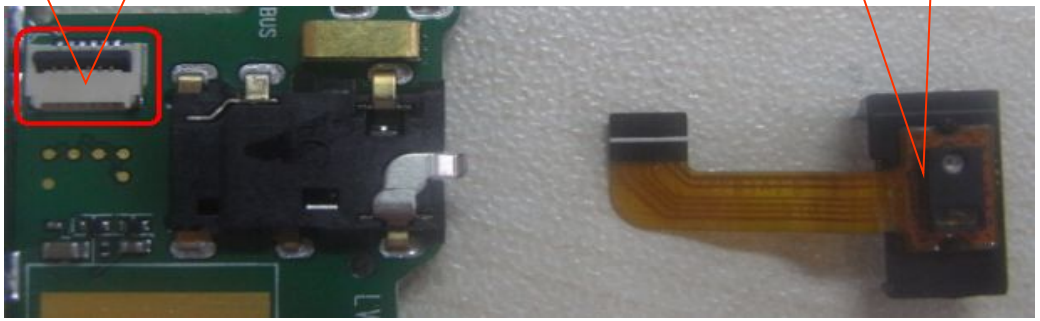
remove the light sensor and camera, as the fig.7;

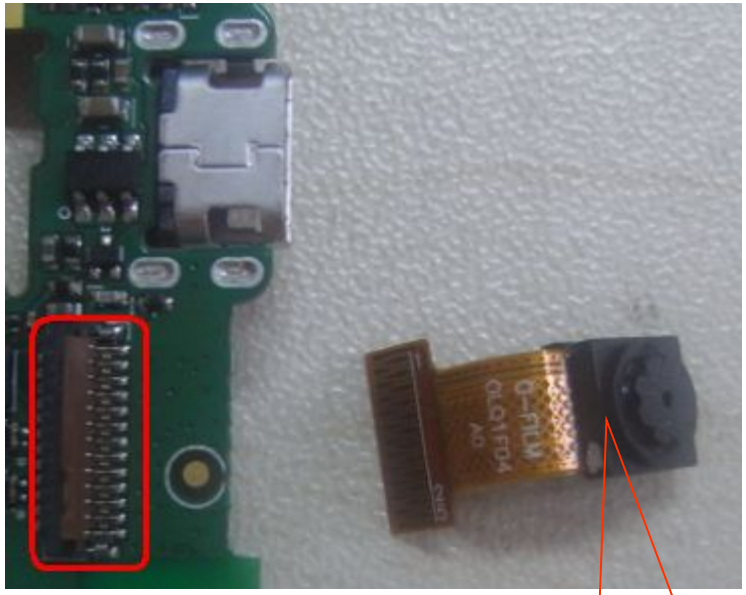


Back cam.

Light sensor&holder

Light sensor con.





Front cam

Fig.7

Disassembly guide

7. Speaker & receiver disassembly

remove the Speaker camera and receiver, as the FIG.9;

Fig.9

Disassembly guide

8. RF cable and Main FPC disassembly

Remove the RF cable and Main FPC，as the fig.10

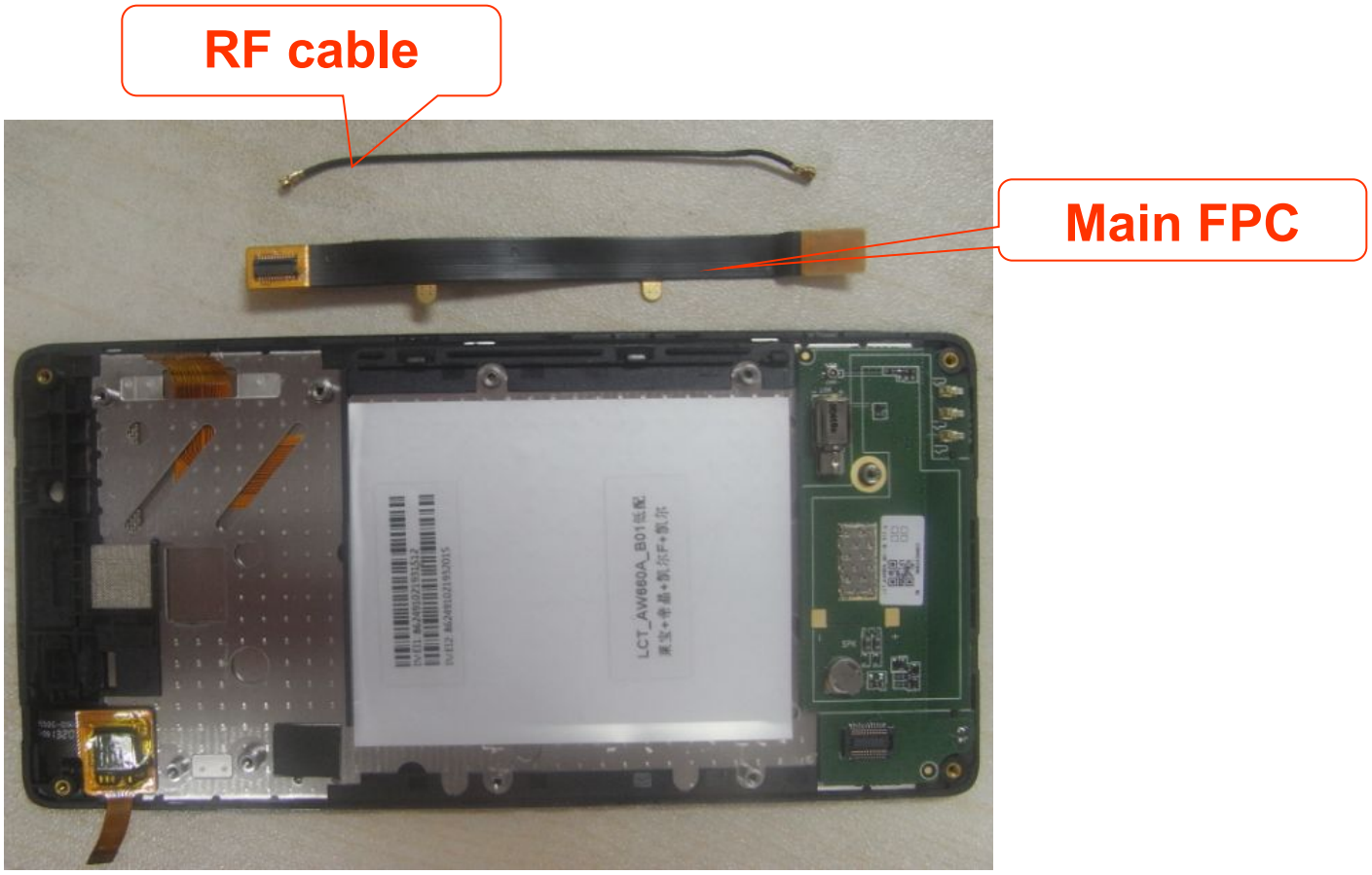


Fig.10

Disassembly guide

9. Sub PCBA disassembly

remove the sub PCBA from the ， as the fig.11；

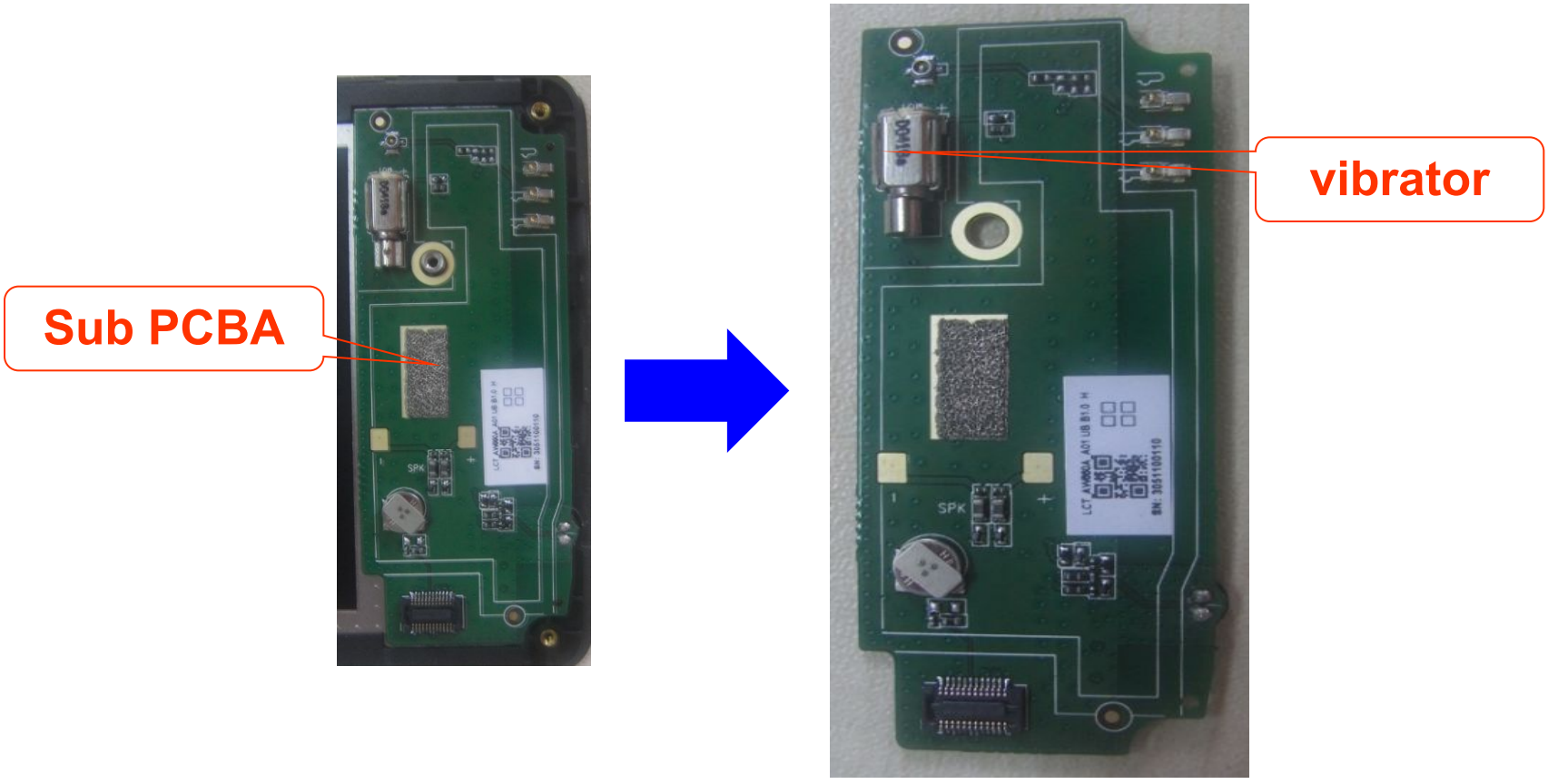


Fig.11

Disassembly guide

10.MIC disassembly

Remove the MIC, as the fig.12;

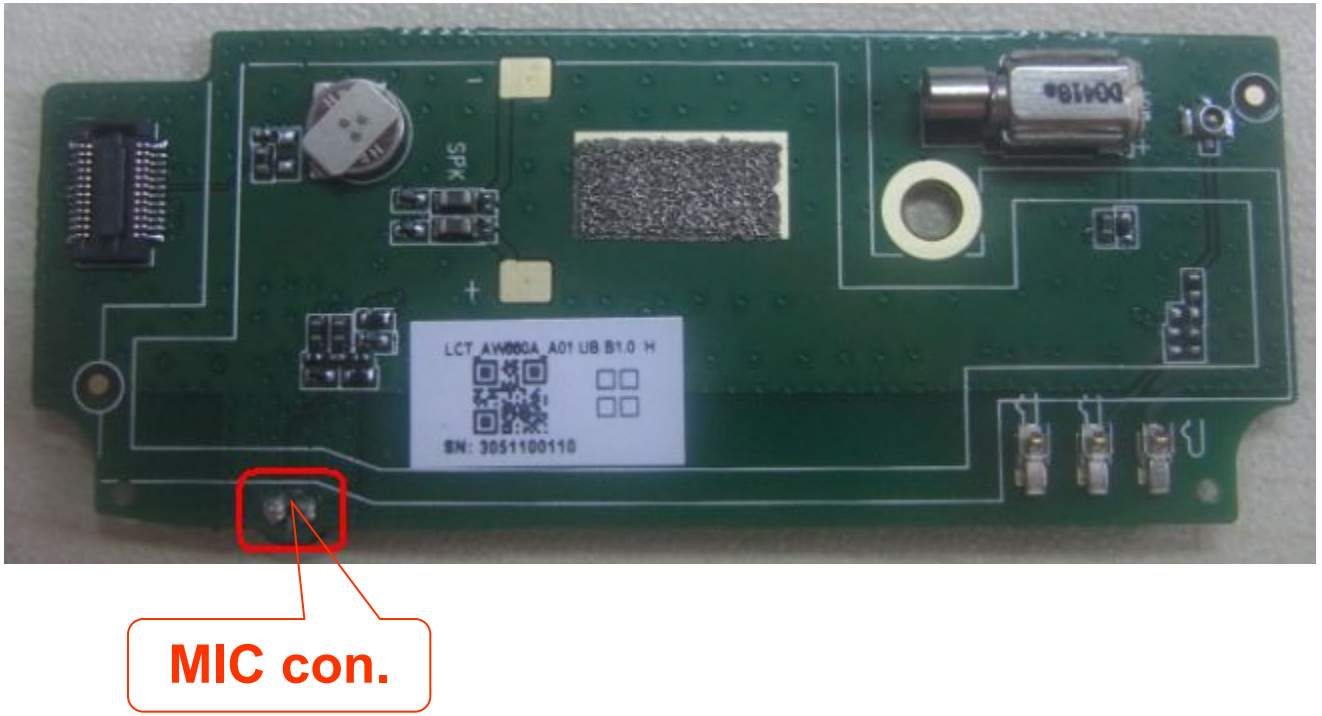
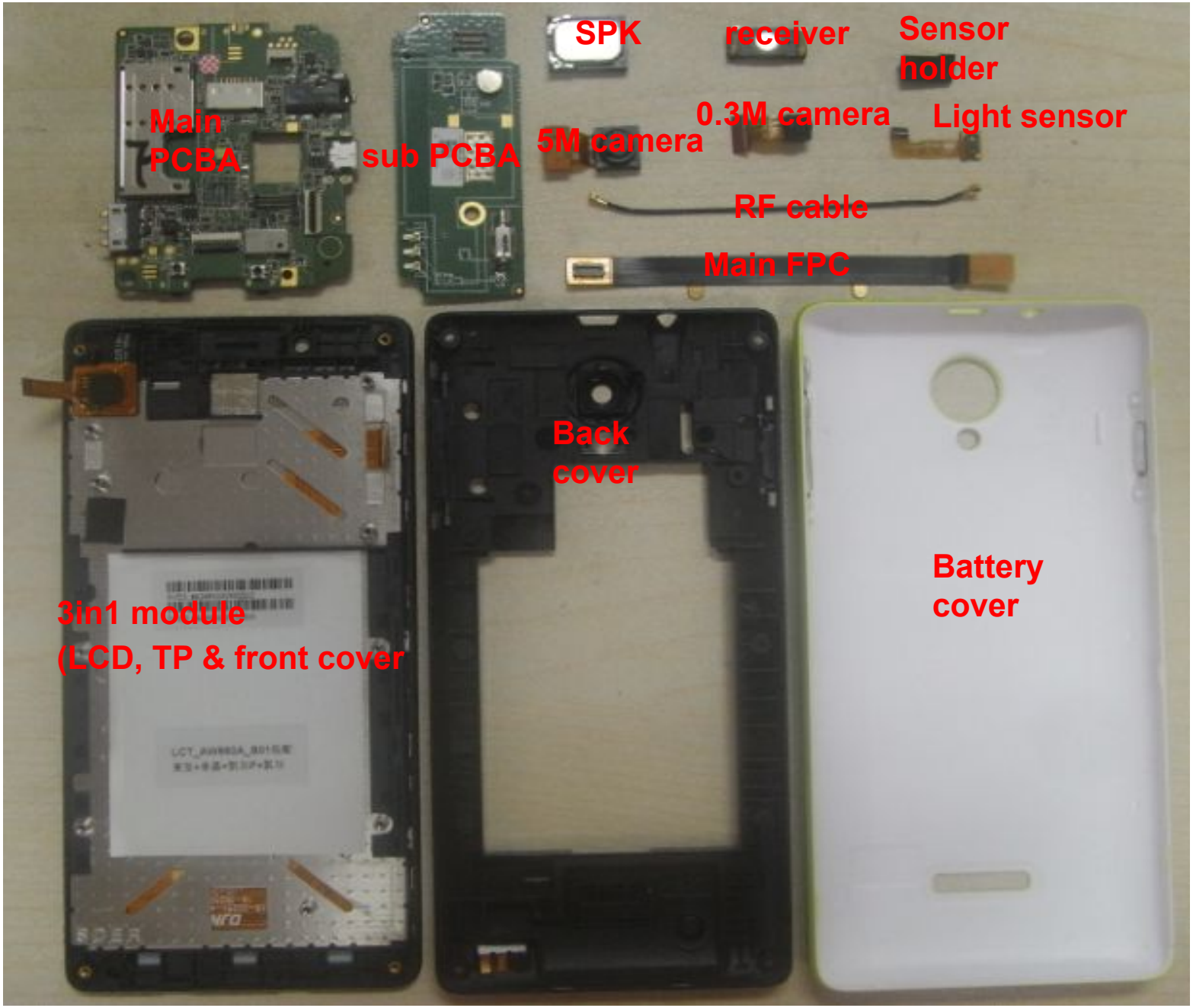


Fig.12

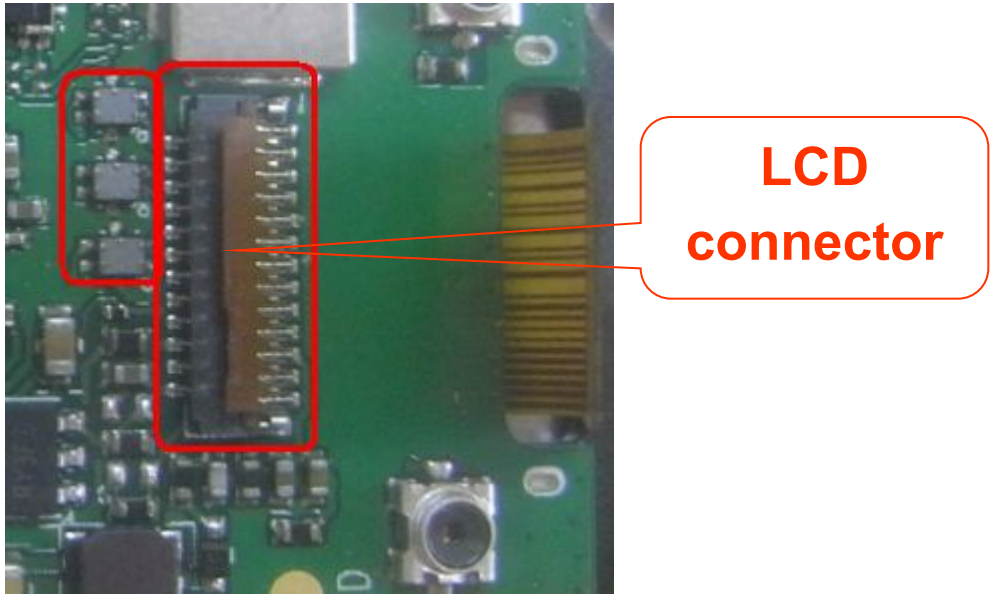
Structure parts diagram



Repairing guide

1. LCD

a. Check if the SW is correct, otherwise to upgrade the SW;
b. Check the LCD if is ok, otherwise change a new LCD;
c. If that the LCD loose, re-assemble the LCD and test;
d. Checking the LCD connector if is ok, otherwise re-solder it or change a new one;
e. Checking the circuit around the LCD connector.



Repairing guide

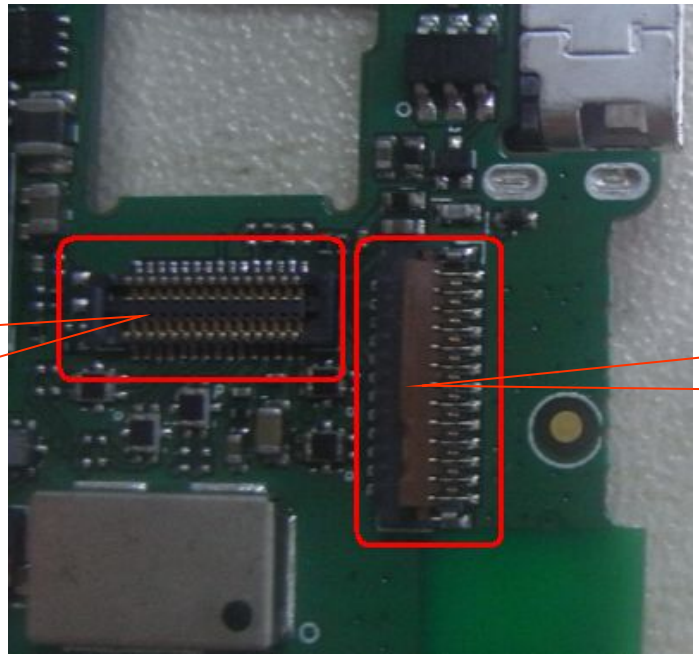
2. Camera

a. Checking the camera is assemble ok, re-assemble the camera and test;

b. Using the good camera to do cross test, it can check if the camera is ok;

c. Checking the camera connector if is ok as below picture, otherwise to re-solder or change a new one;

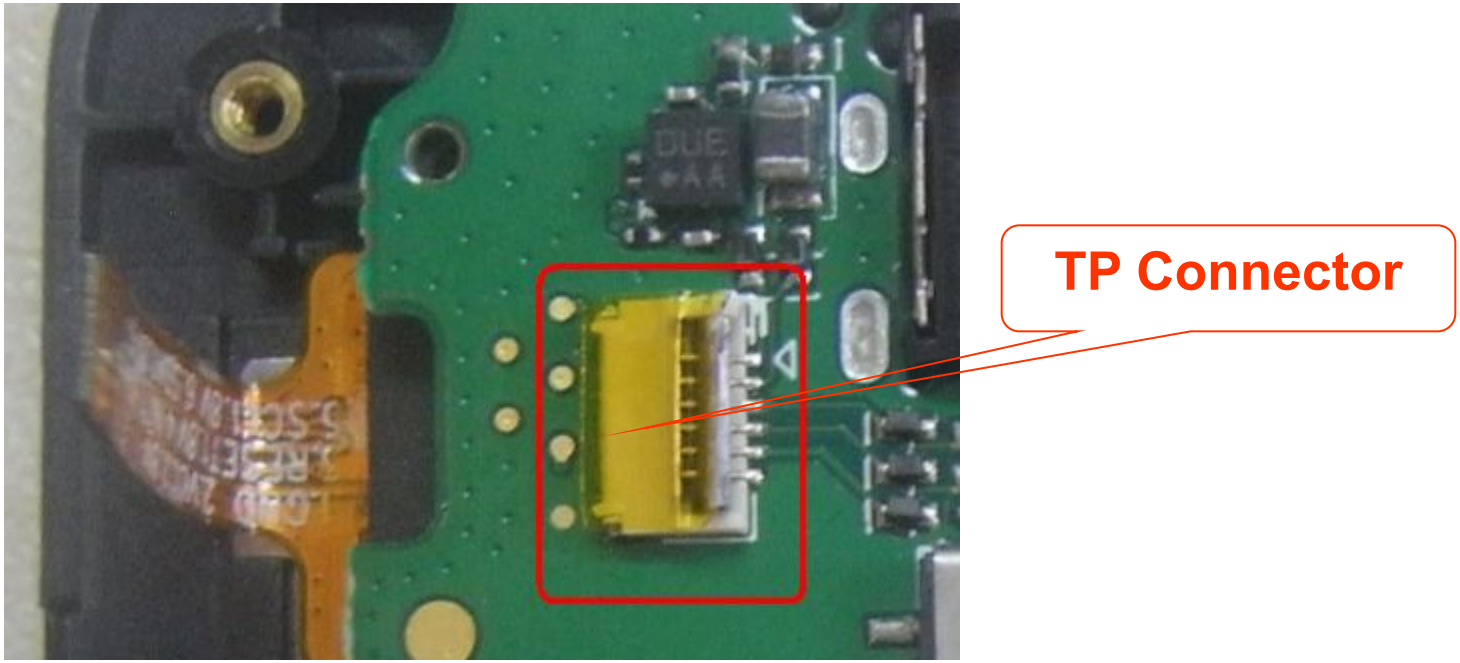
d. Checking the circuit around the camera connector.



Repairing guide

3. TP

a. Checking the SW and upgrade the SW;
b. Checking the FPC of TP and re-assemble it;
c. Using the good TP to do cross test;
d. Checking the TP connector, otherwise re-solder or change a new one;
e. Checking the circuit around the TP connector.



Repairing guide

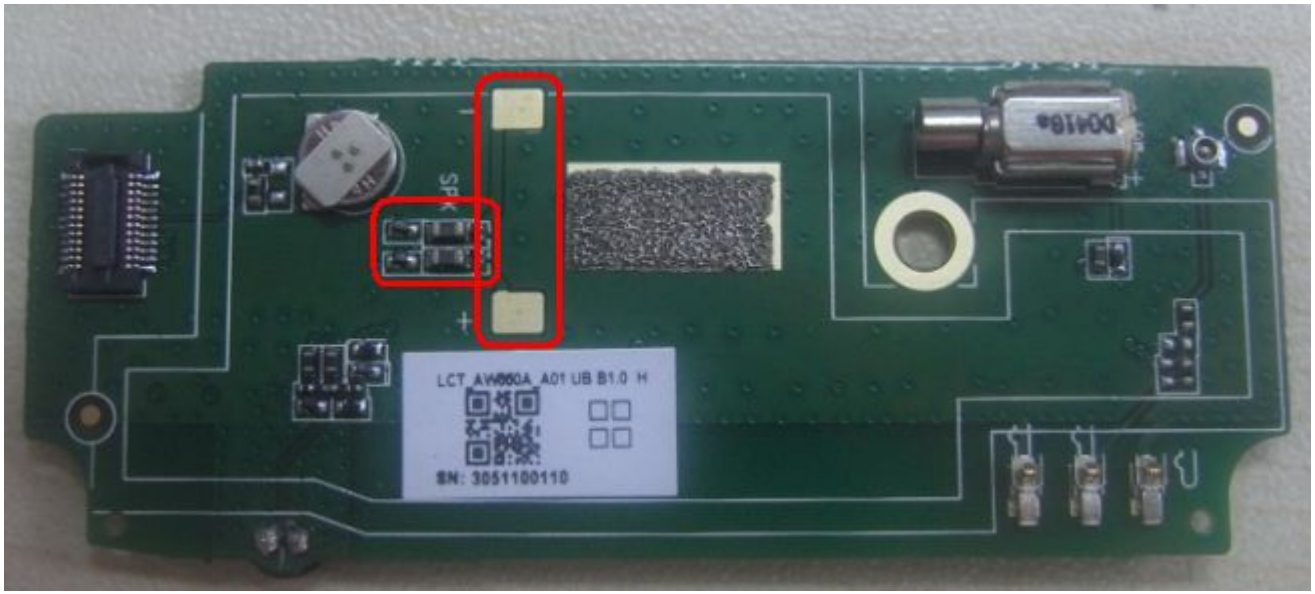
4.Ring

a. Checking the shrapnel of speaker if is ok;

b. Checking the resistance of speaker if is ok, otherwise to change a new one;

c. Checking the FPC if is ok;

d. Checking SPK-FPC if connector with sub-board is ok.



Repairing guide

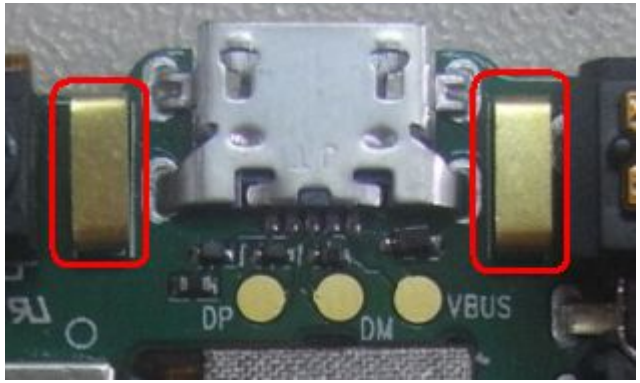
5.receiver

a. Checking the shrapnel of receiver if is ok;

b. Checking the resistance of receiver if is ok, otherwise to change a new one;

c. Checking the connector point on the main board if is ok, as below picture;

c. Checking the receiver circuit if is ok.



Repairing guide

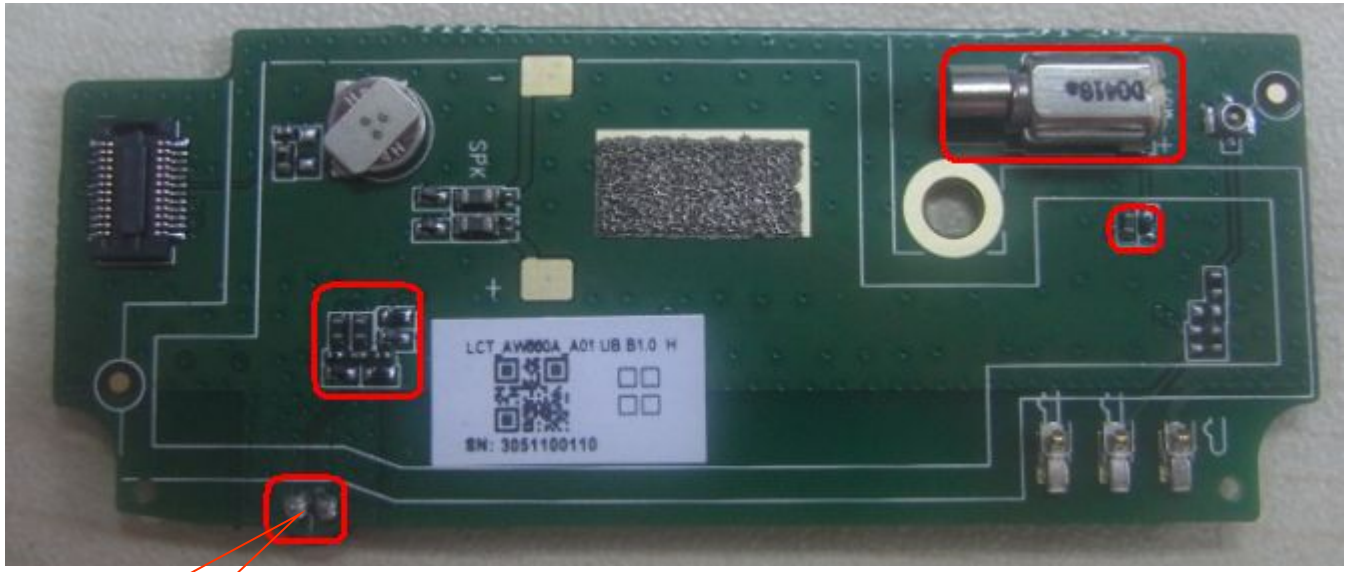
6.MIC and Vibrator

a. Checking the MIC and Vibrator is cold soldering, re-solder it;

b. Change the MIC and Vibrator;

c. Checking the circuit of MIC and Vibrator;

d. Checking the FPC if connect ok.



Repairing guide

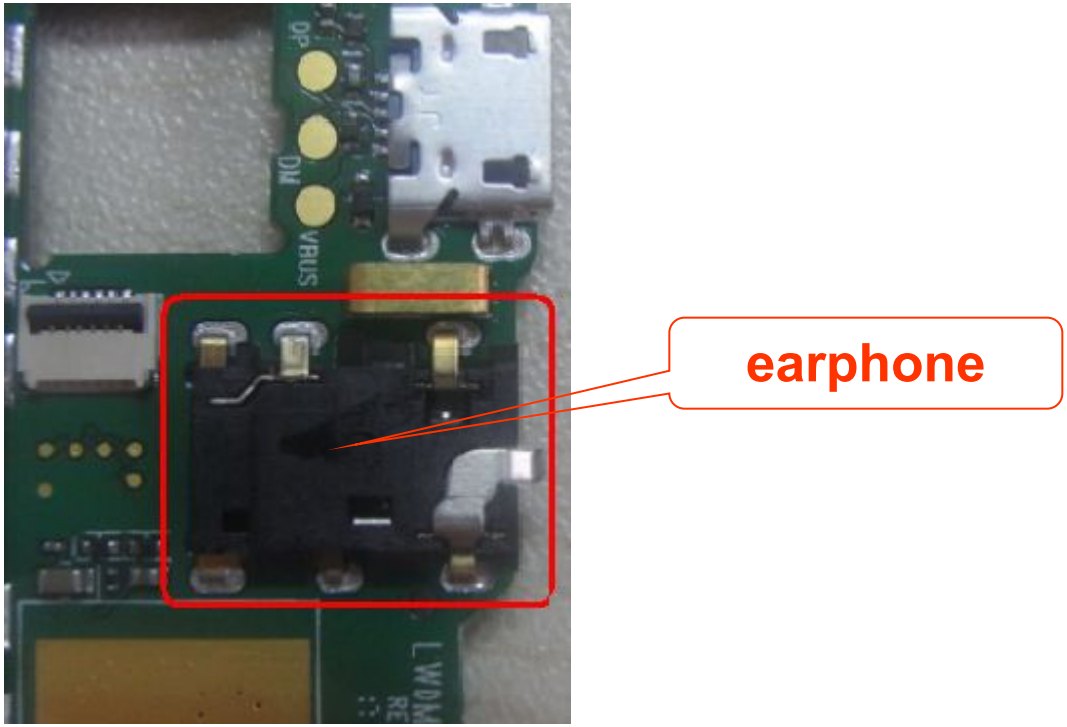
7. Earphone

a. Checking the shrapnel of earphone if is ok;

b. Checking the connector point on the main board if is ok, as below picture;

c. Change earphone connector;

c. Checking the circuit of earphone.



Repairing guide

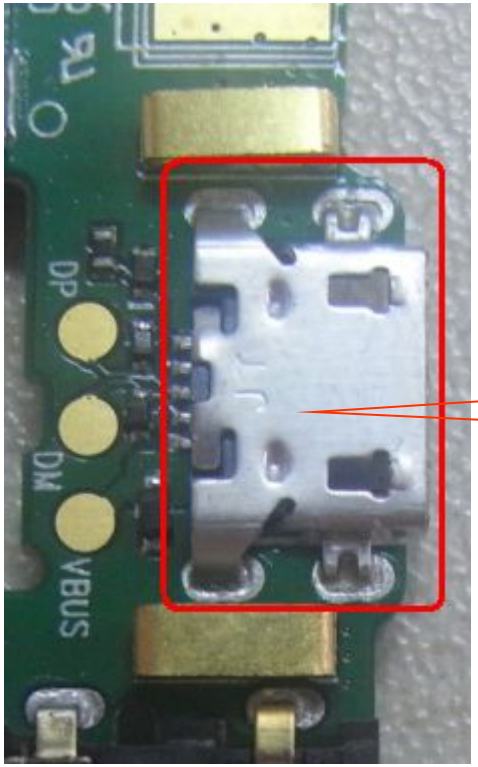
8.No Power On

a. Checking the voltage of battery if is 3.8-4.2V and connect ok;
b. Upgrade the SW;
b. Checking the power on key and circuit around it.;

Repairing guide

9.No charging

a. Checking the voltage of battery if is over 3.4V;
b. Checking the charger and USB cable if is ok;
c. Checking the USB connector and circuit if is ok.



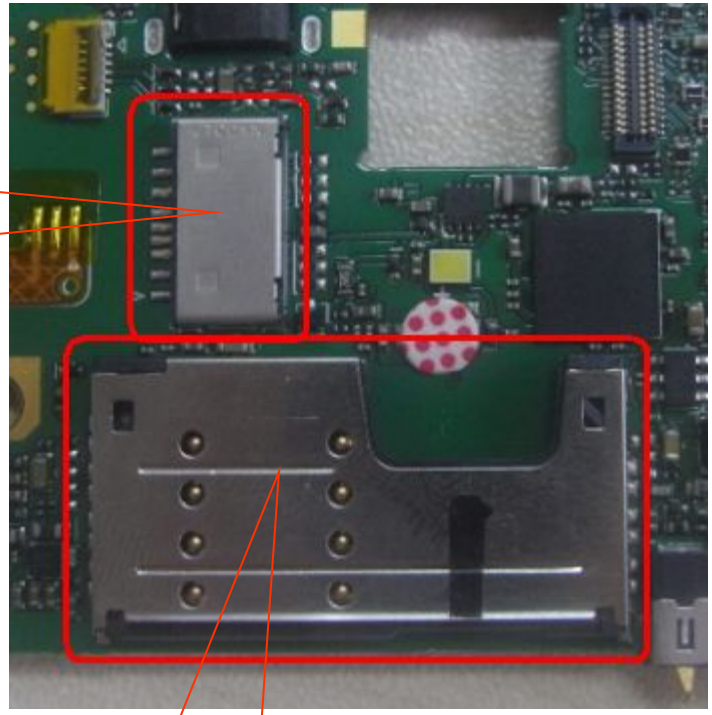
USB Connector

Repairing guide

10.No SIM card and No memory card

a. Checking the connector of T –card and SIM card;

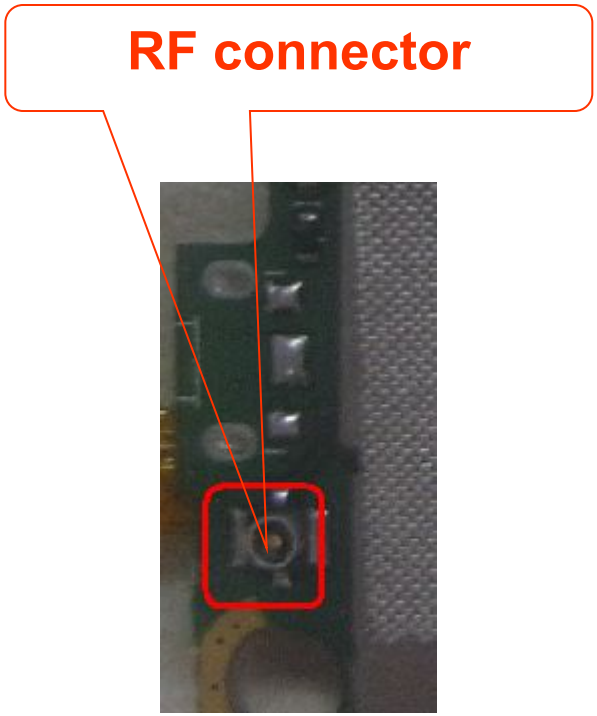
b. Change the connector of T –card and SIM card;

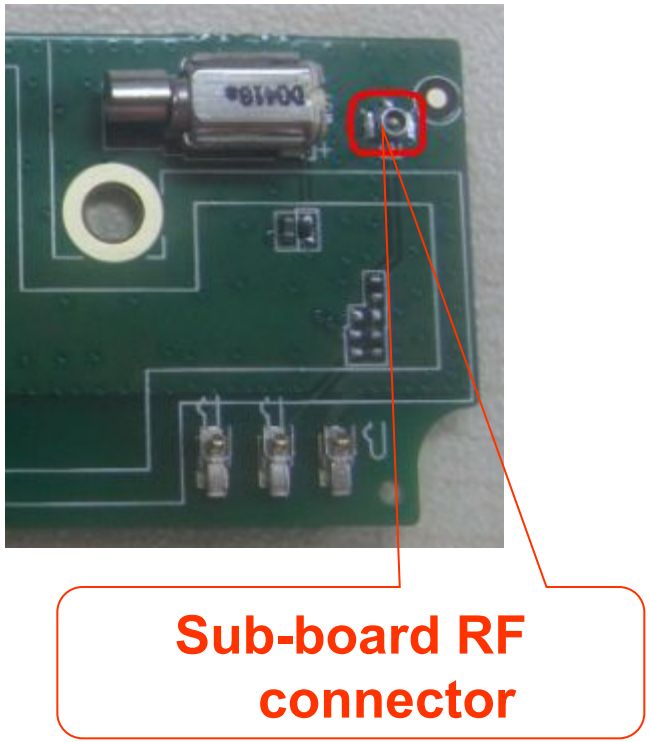


Repairing guide

11.Signal

a. Checking RF line if that is broken;
b. Checking RF line assemble if is ok;





End

Q&A