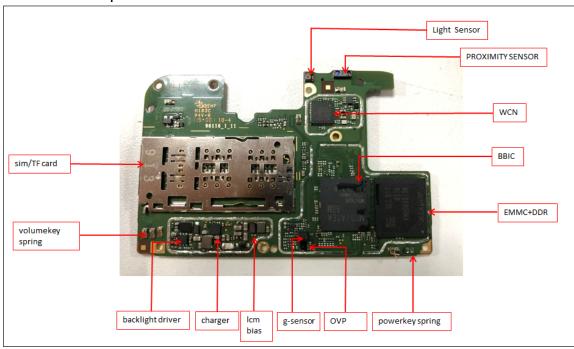
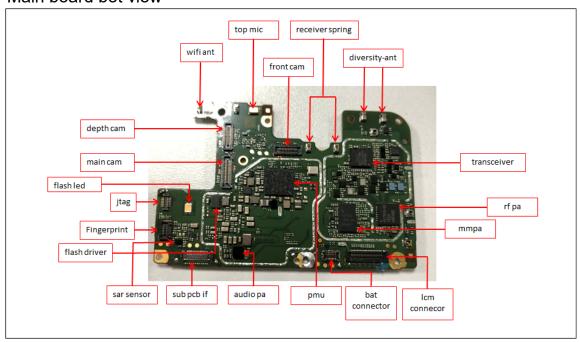
8-1. Components Layout

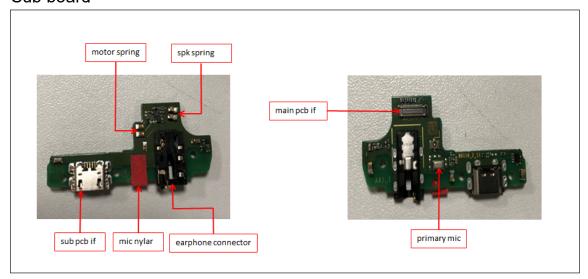
Main board top view



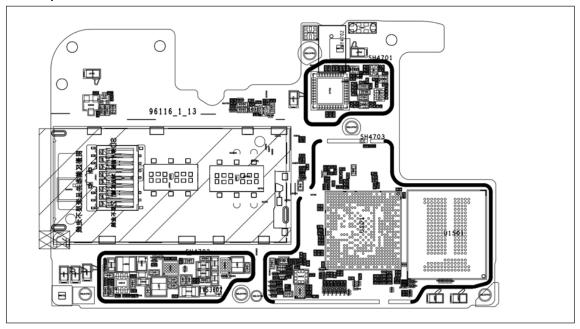
Main board bot view



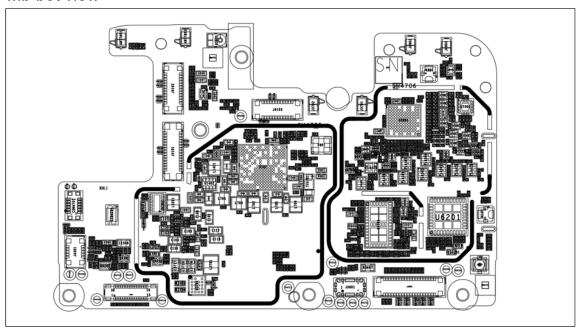
Sub board



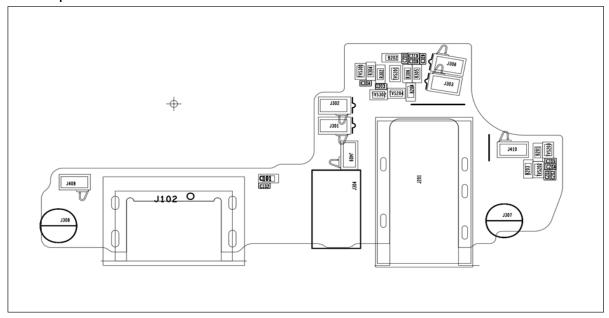
Reference map Mb top view



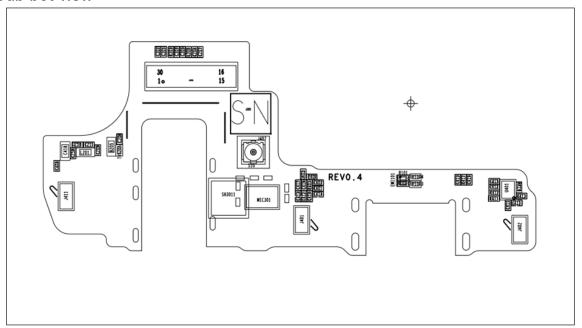
Mb bot view

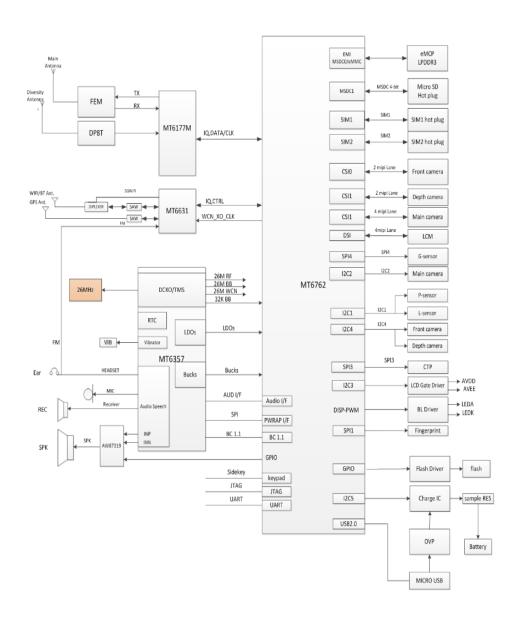


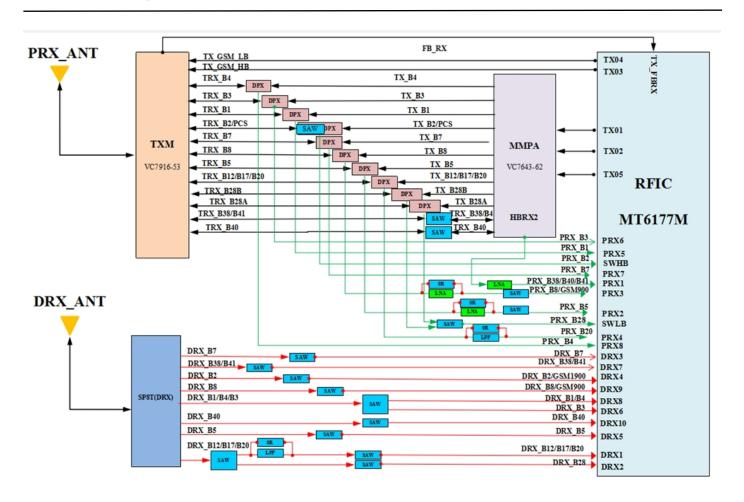
Sub top view



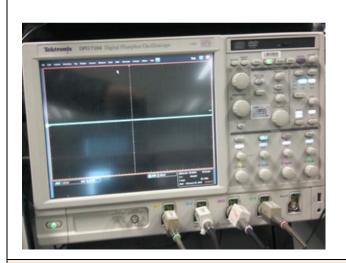
Sub bot view







8-3. Flow chart of Troubleshooting.





Oscilloscope

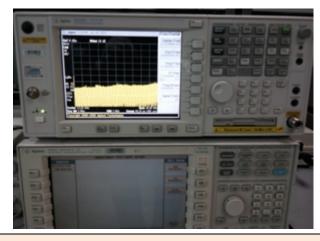
Digital multimeter





Power Supply

+ driver, ESD Safe Tweezer



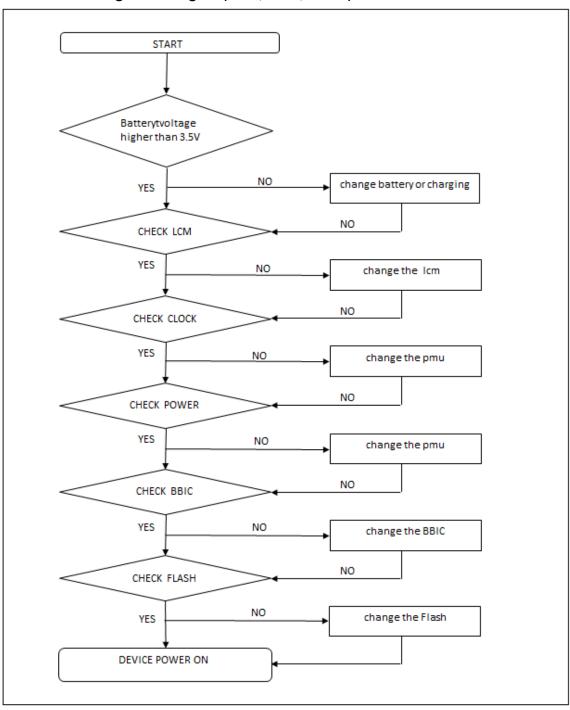


8960 & Spectrum Analyzer

Soldering iron

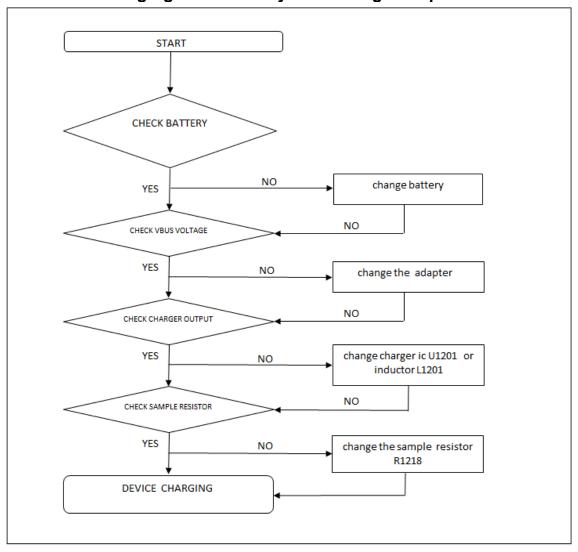
8-4-1. Power On

: Checking Power signal (LCM, PMU, Clock)



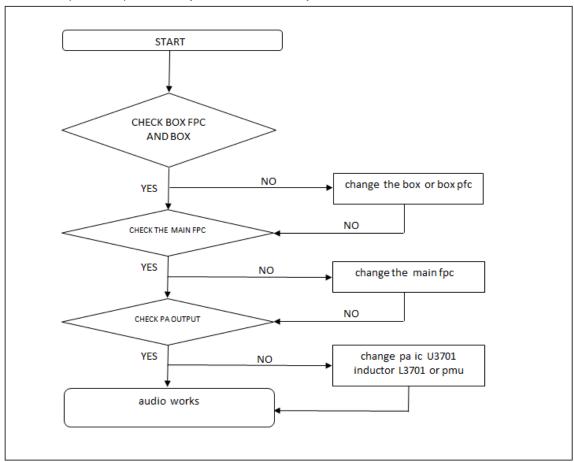
8-4-2. Charging

: The charging controlled by third charger chip



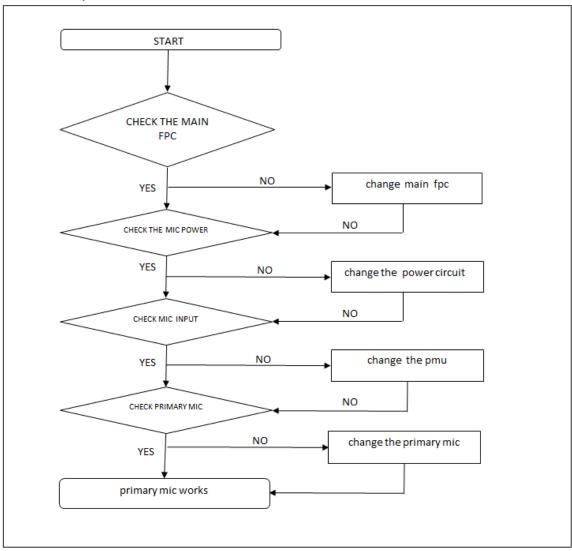
8-4-3. Audio speaker

: The Speaker control signals are generated by MT6357 (U701) and PA AW87319 (U3701), the chip, PA and the speaker are to be checked out.



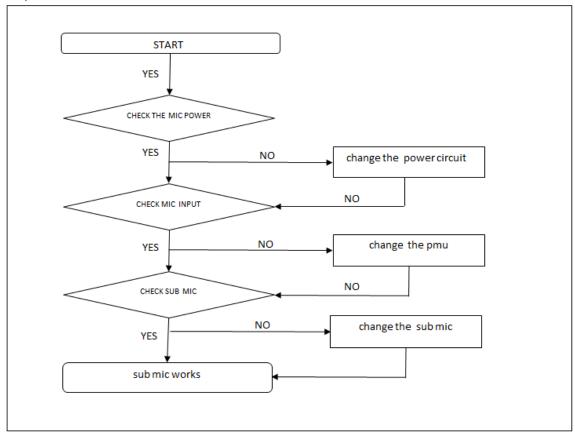
8-4-4. Audio Main MIC

: The MIC control signals are generated by PMU chip MT6357 (U701), the PMU chip and the MIC are to be checked out.



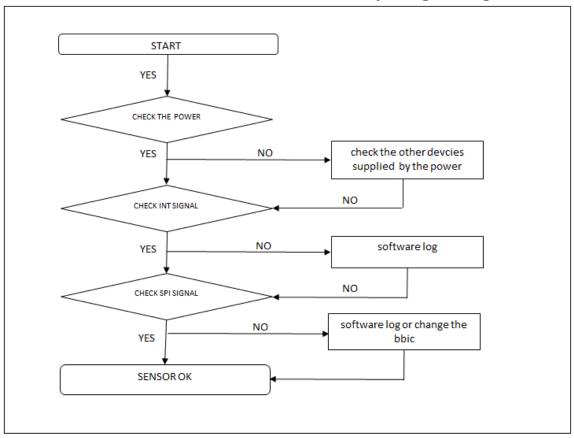
8-4-5. Sub MIC

: The MIC control signals are generated by PMU chip MT6357 (U701), the PMU chip and the MIC are to be checked out.



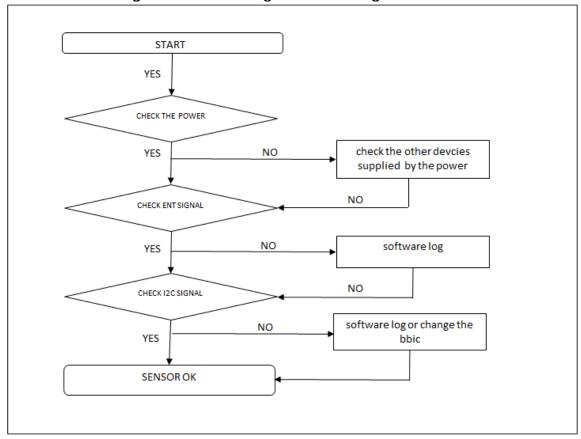
8-4-6. Accelerometer sensor

: The Accelerometer sensor is calibrated by using SW algorithm.



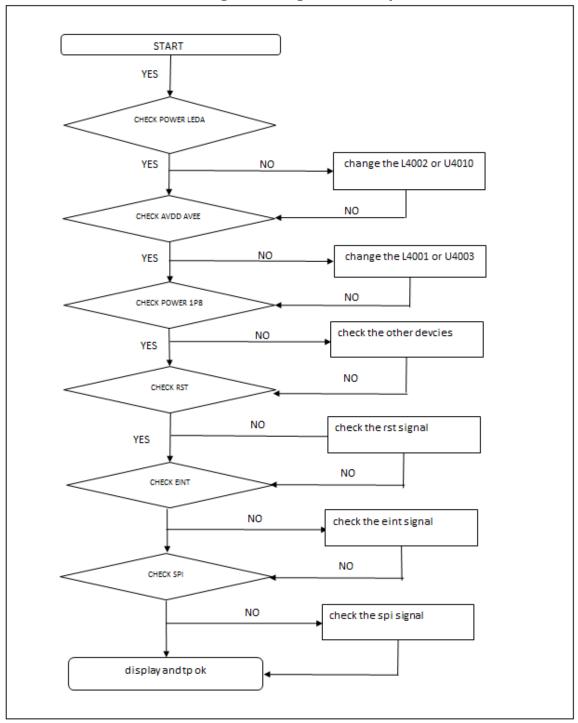
8-4-7. Proximity and light sensor

: Proximity (U4417) and Light Sensor (U4416) is worked as below: Control the screen's on/off operation automatically while making phone calls, and adjust the screen brightness according to ambient light.



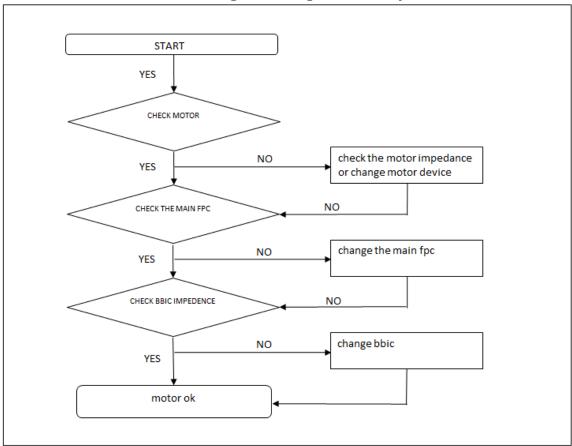
8-4-8. TOUCH SCREEN AND DISPLAY

: The Touch control signals are generated by MT6762. It is assembled with LCD.



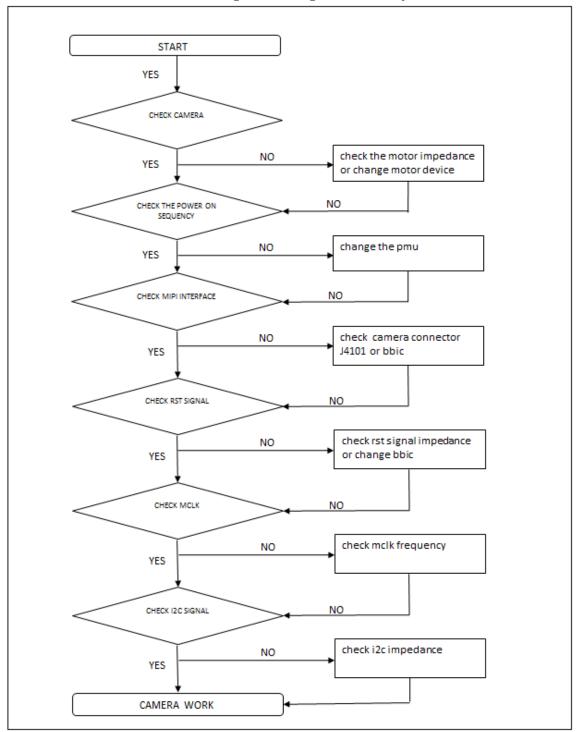
8-4-9. Vibrator

: The Vibrator control signals are generated by MT6357.



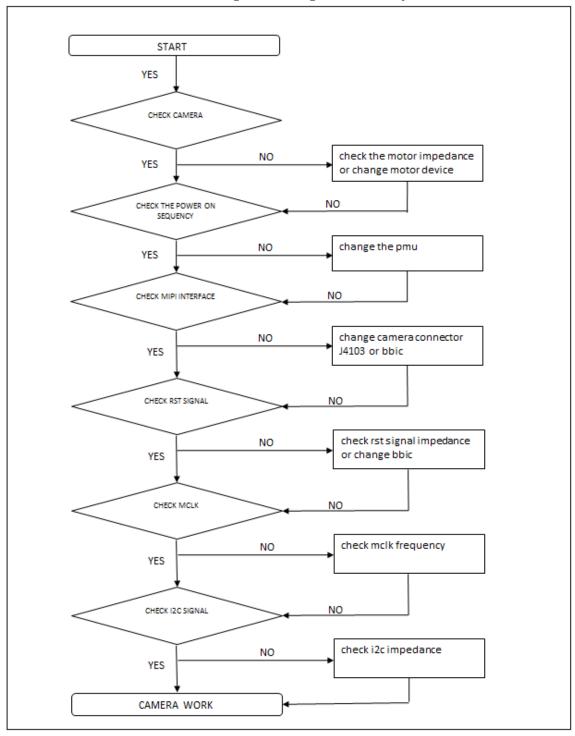
8-4-10. Rear Camera

: The Camera control signals are generated by MT6762.



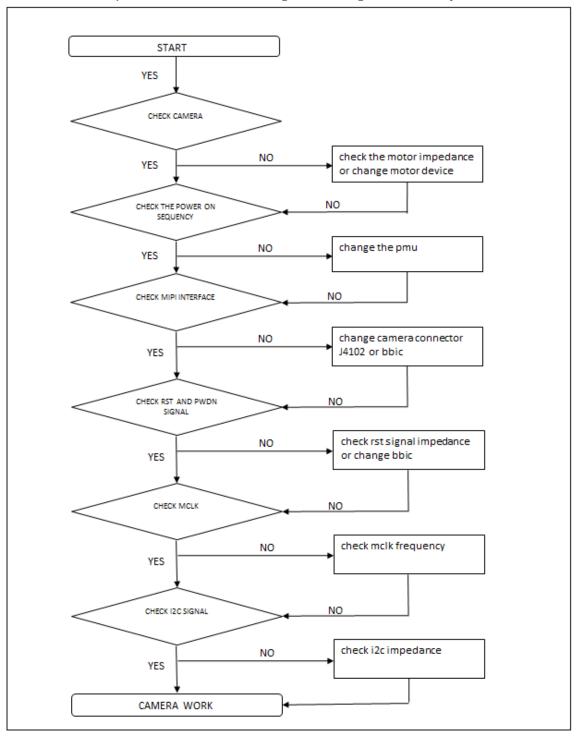
8-4-11. Front Camera

The Camera control signals are generated by MT6762.



8-4-12. Depth Camera

: The depth Camera control signals are generated by MT6762.



8-5. Service Schematics

- U101_MT6762_BB chip IC , Digital Baseband Processor(Top)

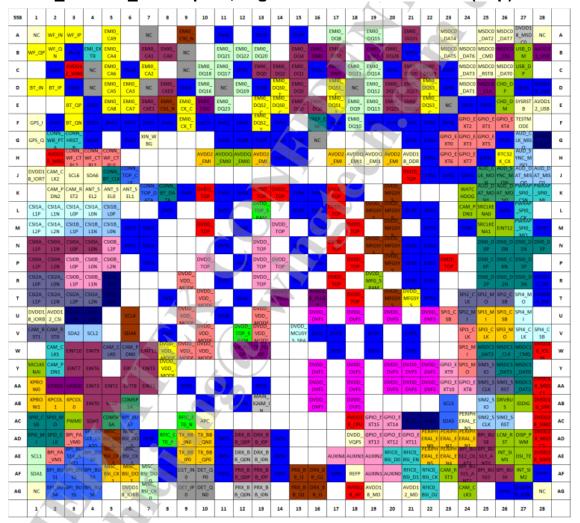


Figure 2-1. Ball map view