

BLU

P R O D U C T S



BLU Dash Jr 4.0K Service Manual

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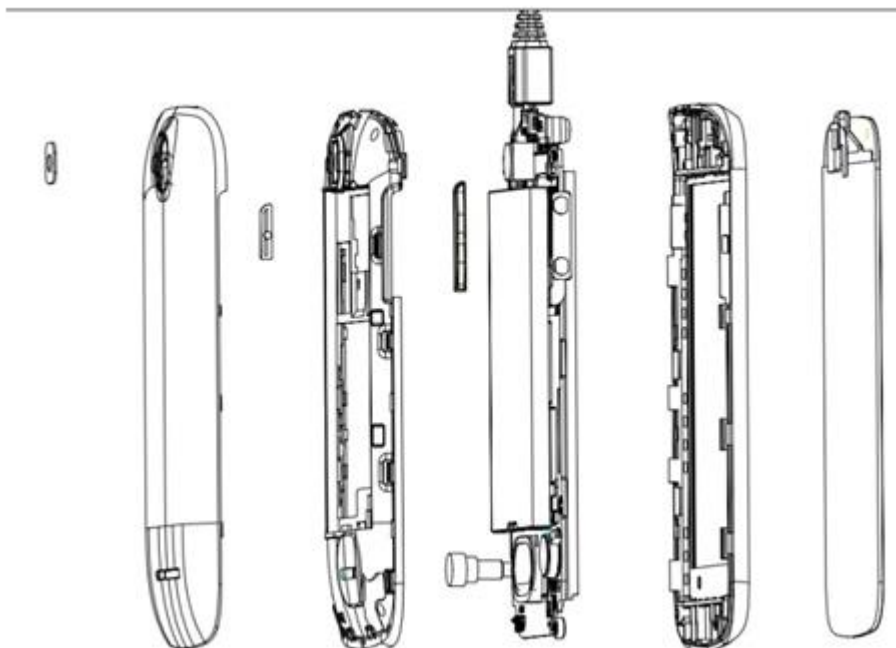
CAUTIONS

Please refer to the phone's user's guide for instructions relating to operation, care, and maintenance, which include important safety information.

- 1 Servicing and alignment must be undertaken by qualified personnel only.
- 2 Ensure all work is carried out at an anti-static workstation and that an anti-static wrist strap is worn.
- 3 Use only approved components as specified in the parts list.
- 4 Ensure all components, modules, screws, and insulators are correctly re-fitted after servicing and alignment
- 5 Ensure all cables and wires are repositioned correctly Electrostatic discharge can easily damage the sensitive components of electronic products. Therefore, every service supplier must observe the precautions which mentioned above.

GENERAL REPAIR INFORMATION

- 1 Make sure your testing equipment is functioning properly before beginning repair work.
- 2 before starting repairs you must observe ESD precautions such as being in your ESD protected area and connecting your wristband.
- 3 use gloves to avoid corrosion and fingerprints.
- 4 cover windows and displays with a protective film to avoid dust and scratches.
- 5 use a lint-free cloth to clean the LCD.
- 6 when cleaning the pads use a soft cloth\ESD brush and isopropanol. Do not use a glass fiber pencil: this scratches the surface and will corrosion.
- 7 non-faulty mechanical parts(except shielding lids and bent parts or soldered components).May be reused if they are not soldered.
- 8 when removing the shielding lids make sure to replace them with new ones, otherwise The high-frequency leakage can affect the device.
- 9 always use the original spare parts.
- 10 check the soldering joints of the parts concerned with regard to the fault symptom. And re-weld them if necessary.
- 11 remove excess soldering flux after repair.
- 12 observe the torque requirements when assembling the unit.
- 13 please aware that some malfunctions may be software related and solved by an update



DISASSEMBLY AND ASSEMBLY SERVICE TOOLS



Iron



850 heater



Oscillograph



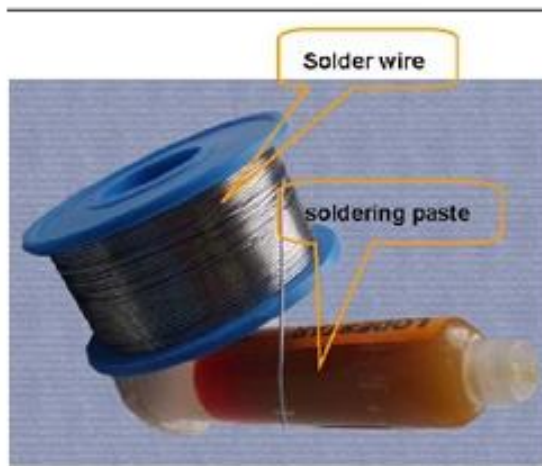
Voltage regulator



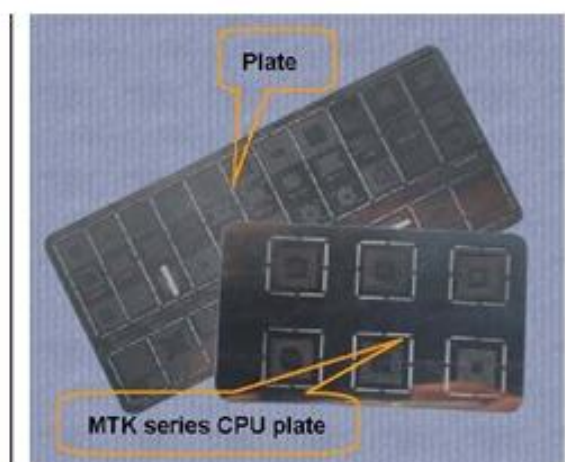
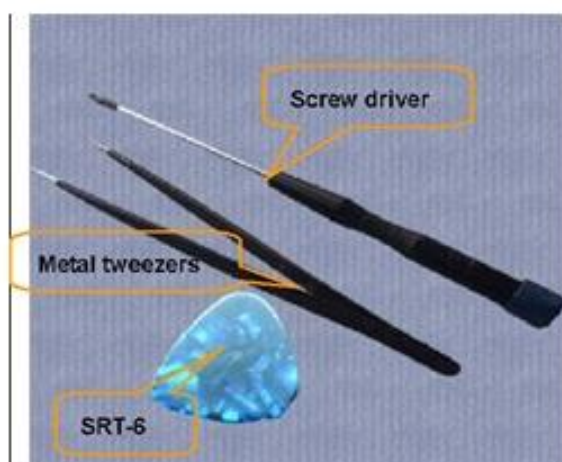
Multimeter



Constant temperature heater



Solder wire, soldering paste Wrist grounding strap, Antistatic gloves



Metal tweezers, Screw driver, SRT-6 Plates



Open the battery cover+



Remove the 4 screws+



Take the middle housing out+



Take the PCBA out+



Stick the inside TP Protector+

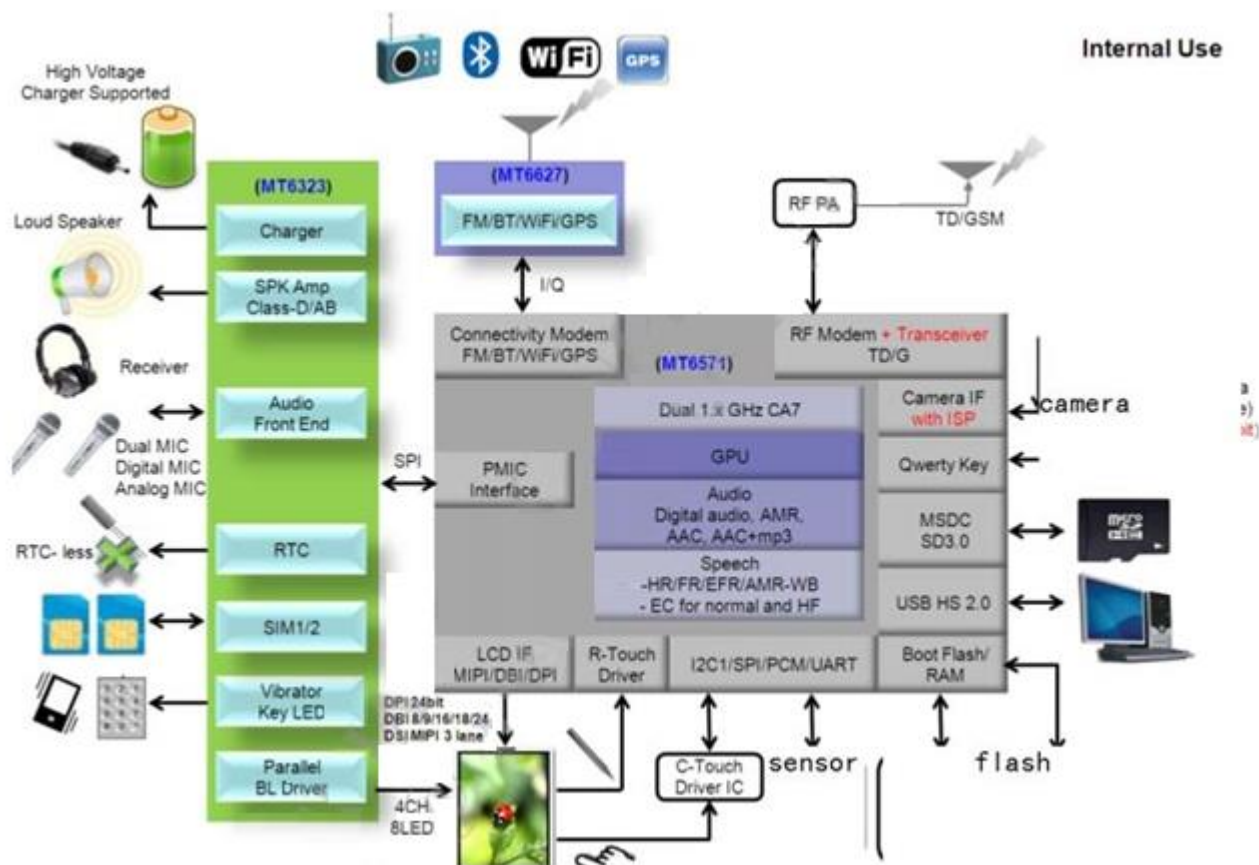


Stick the LCD Protector+

-FINISH-

Chapter 2

SYSTEM BLOCK DIAGRAM

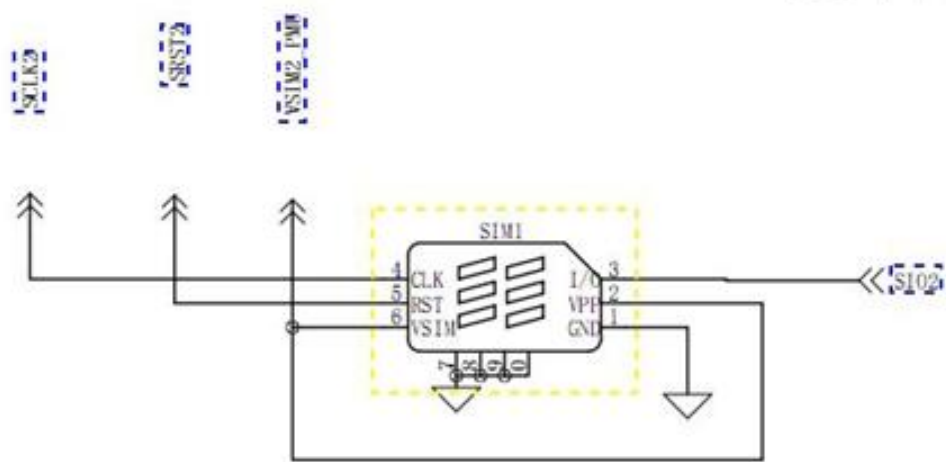


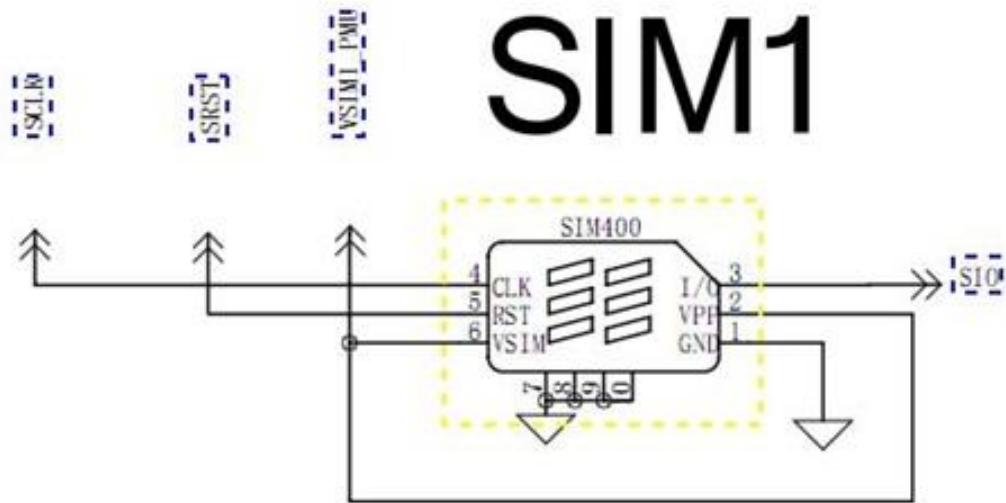
Chapter 3

INSTRUCTION OF THE UNIT CIRCUIT

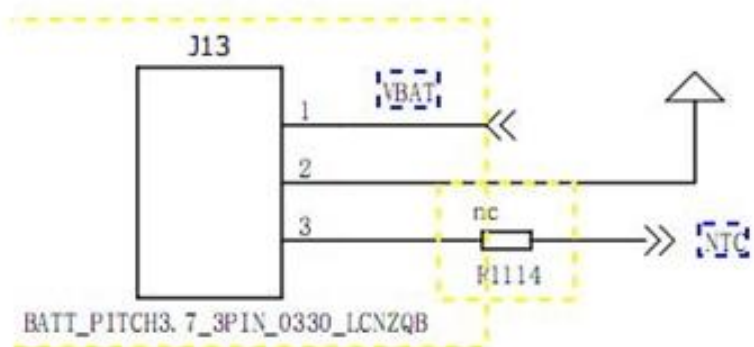
Data control port of Double SIM card

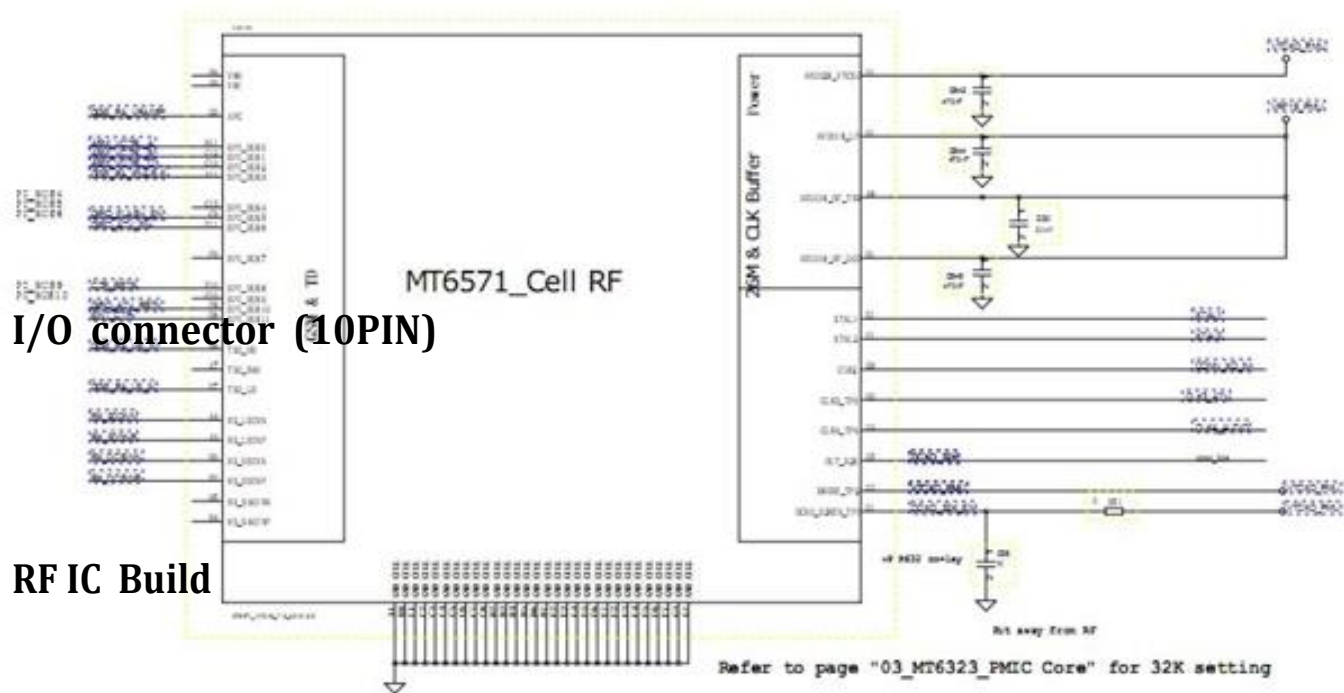
SIM2





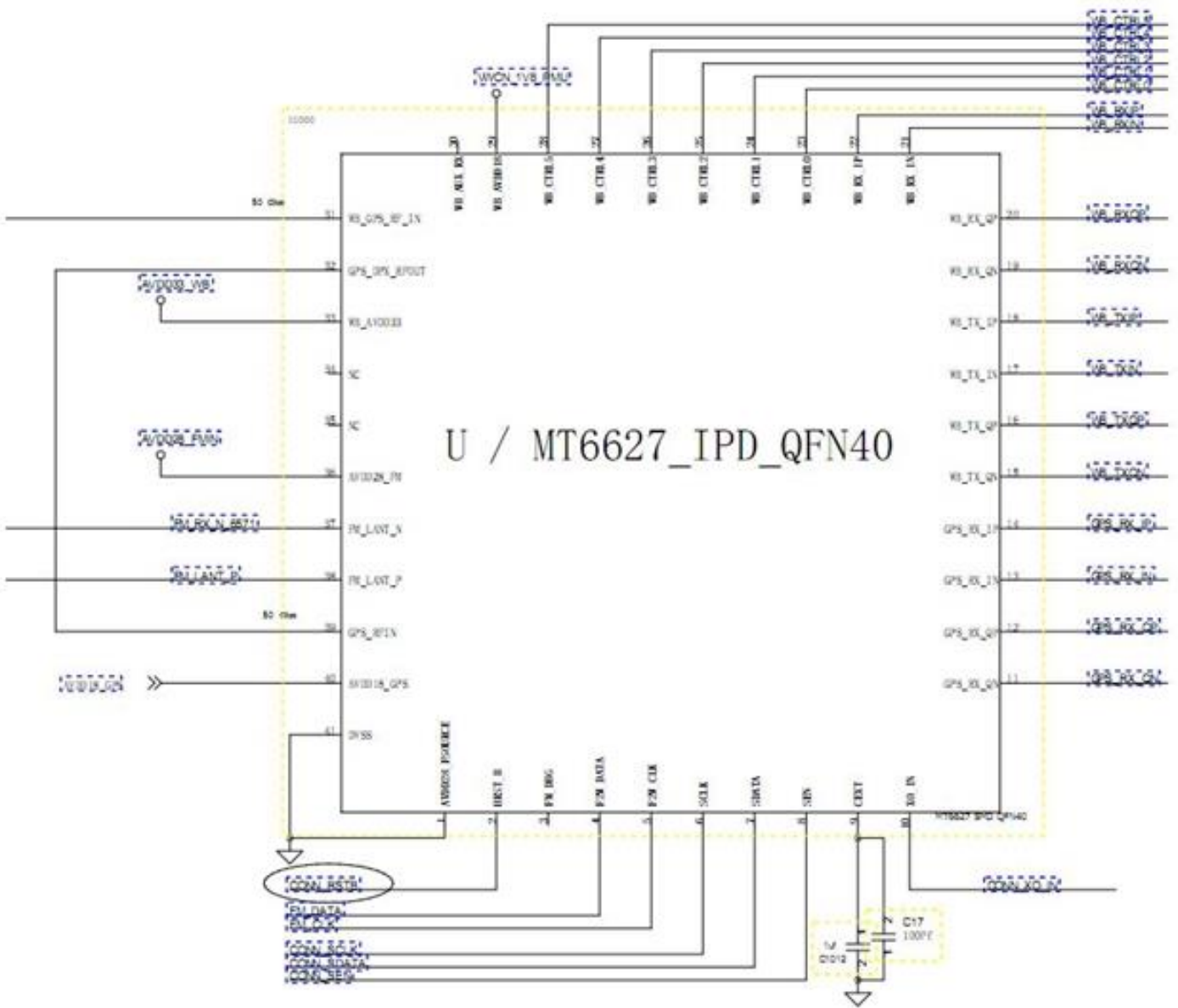
Battery connector





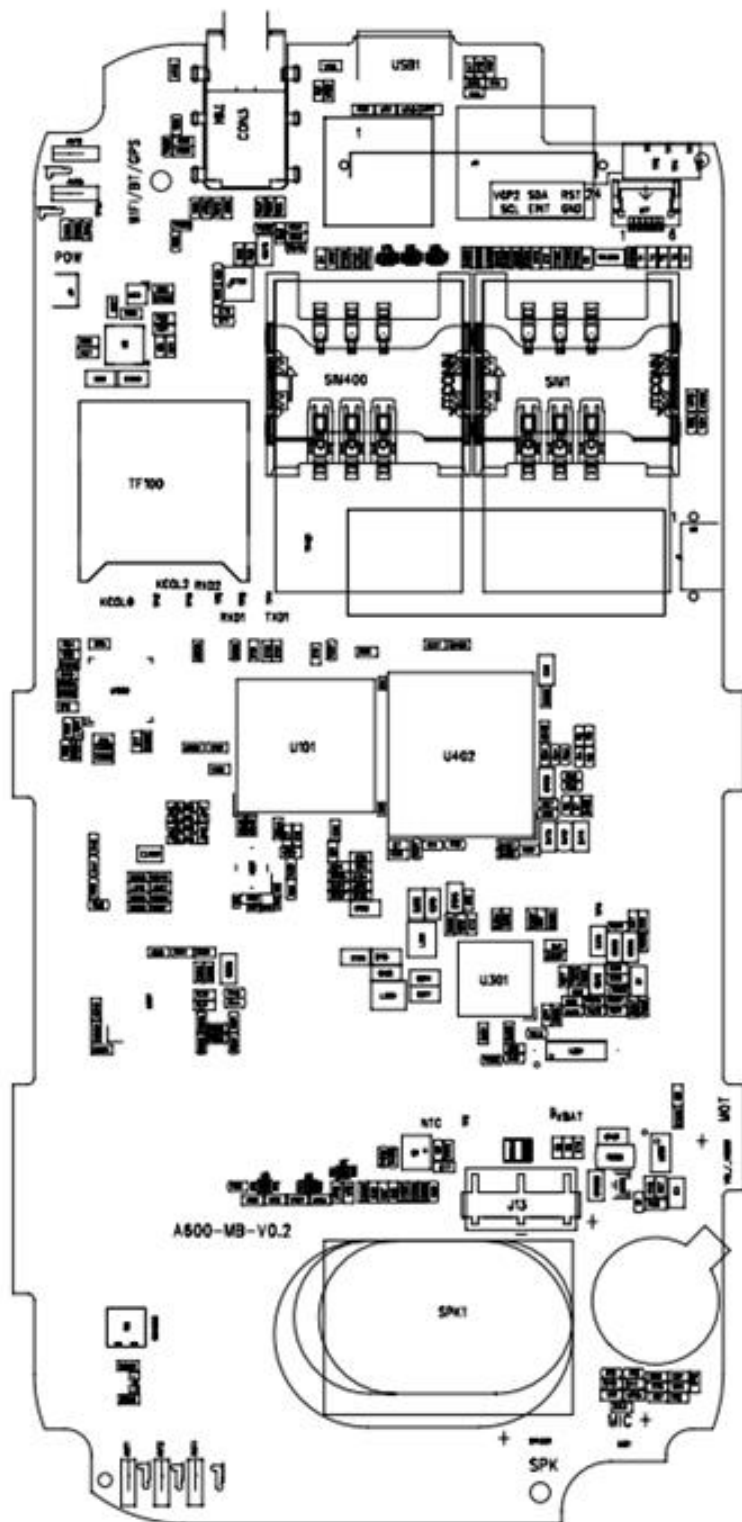
RF PA IC

Wifi/BT/GPS chip

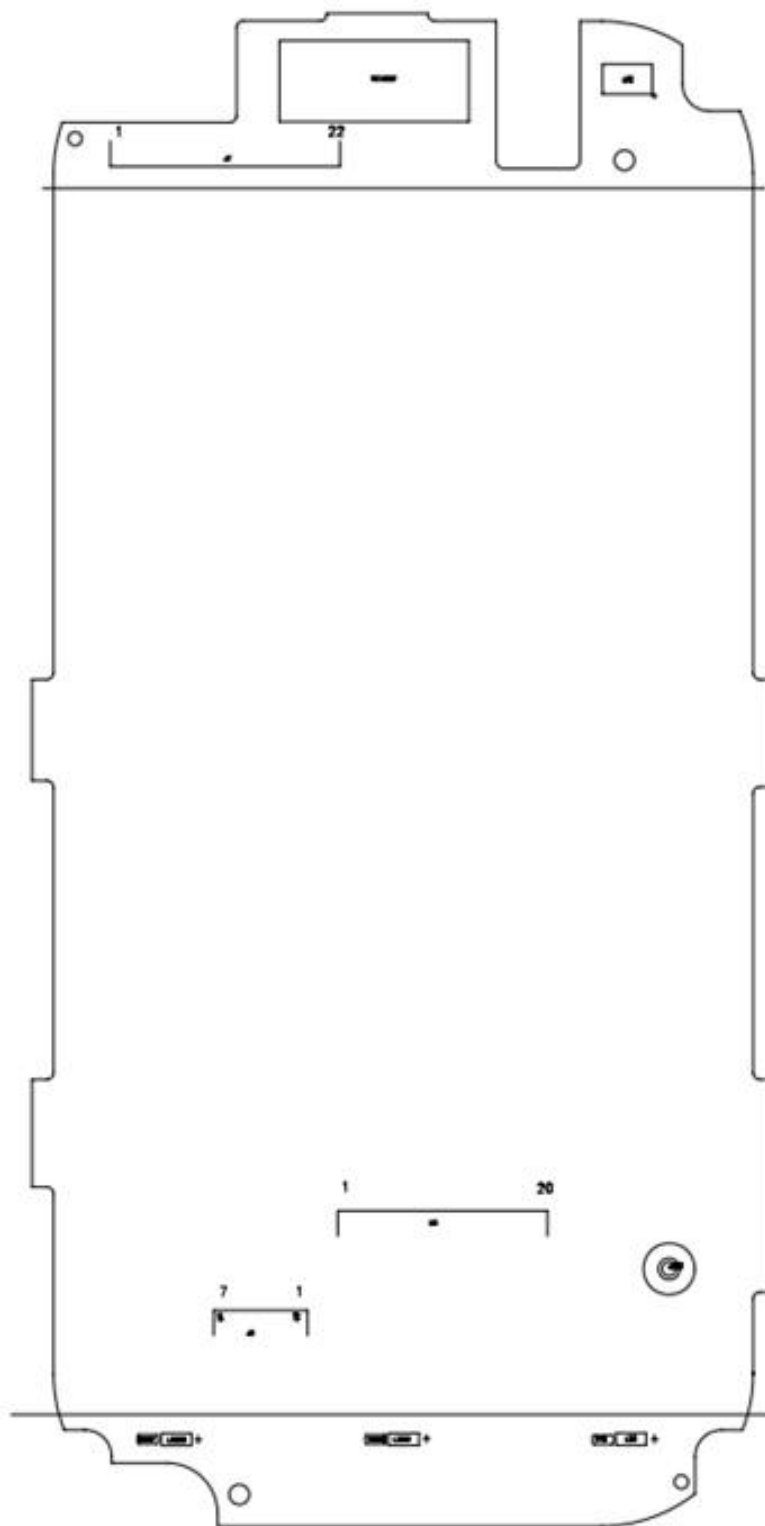


Chapter4

PCB layout SIDE A



PCB lay



SW Upgrade Download

Smart Phone Flash Tool(Runtime Trace Mode)

File Options Window Help

Welcome Format **Download** Feedback MemoryTest

Download Stop

Download-Agent: D:\SF_Flash_Tool_windows_exe_v5.1408.00\SF_Flash_Tool_v5.1408.00\MTK_AllInOne_BA.bin Download Agent

Scatter-loading File: D:\整机项目软件\2014项目\A600 MT6571\兼容 BM68171\BLU-D142E-V07-GEREKIC-20140612~ Scatter-loading

Firmware Upgrade

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✓	0x00016198	0x00016198	D:\整机项目软件\2014项目\A600 MT6571\兼容 BM68171\BLU-D142E-V07-GEREKIC-20140612~
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004.68K/s 62.76K HARD High Speed 0.02 PreLoader USB VCOM (Android) (COM121)

Smart Phone Flash Tool(Runtime Trace Mode)

File Options Window Help

Welcome Format **Download** Feedback MemoryTest

Download Stop

Download-Agent: D:\SF_Flash_Tool_windows_exe_v5.1408.00\SF_Flash_Tool_v5.1408.00\MTK_AllInOne_BA.bin Download Agent

Scatter-loading File: D:\整机项目软件\2014项目\A600 MT6571\兼容 BM68171\BLU-D142E-V07-GEREKIC-20140612~ Scatter-loading

Firmware Upgrade

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✓ BOOTIMG	0x00060000	0x00454fff	D:\整机项目软件\2014项目\A600 MT6571\兼容 BM68171\BLU-D142E-V07-GEREKIC-20140612~
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1.93M/s 18.31M HARD High Speed 0.19 PreLoader USB VCOM (Android) (COM121)

Chip Info

Chip Name: MT6571_S00

Chip Version: 0x0000e00

Ext Clock: EXT_20M

External RAM Type: DRAM

External RAM Size: 0x10000000

Hard Flash