

Preparations

Parts

The parts you need to prepare are:

- PCB motherboard
- 702060 1000mah 3.7 V lithium battery (recommended)

Tools

The tools you need to prepare are:

- Electric soldering iron
- Hot Air Gun (optional)
- Scissors (optional)
- Box Cutter (optional)

Materials

The materials you need to prepare include:

- Yunnan White Monkey 63% tin 183 °C melting point lead solder wire (recommended)
- Repair Guy fitting solder paste for needle tube (recommended)
- Hot Melt adhesives (recommended)
- ø24.5 mm L70MM transparent heat shrinkable tube (optional)

Get started

Soldering Battery

Solder the pads

It is recommended to change the tip of the soldering iron to the tip of the knife. The soldering iron is heated to 300 °C and the working surface of the soldering iron head is coated with a layer of solder. The second hand extends the solder wire into the battery solder joint. The master hand places the tip of the tip of the soldering iron on the solder joint. The pad is heated to the

appropriate temperature within 0.5 s. The solder wire melts in contact with the pad and tip of the soldering iron. By feeding the solder wire into the corner of the tip and pad, the solder melts and soaks the metal part of the pad under surface tension, filling the through hole. Fill the pads 0.5 ~ 1mm above the PCB surface. Do this for both pads.

Solder the wires

Remove the self-adhesive from the battery's red positive leads, hold the leads close to the top of the round pad, and quickly press the leads with the tip of the soldering iron. The solder melts rapidly, pressing the lead into the molten solder and quickly lifting the tip. The solder solidifies rapidly and the wire is welded. Weld another wire according to law.

Notice

- The single continuous contact time between tip and pad should not exceed 1s and the total contact time should not exceed 10s. If not a welding in place should be raised iron head two seconds after the operation.

- Apply a small amount of solder paste to the solder surface to improve the soldering performance if poor solder wettability is felt during soldering, resulting in difficult soldering, or too long soldering time resulting in a sharp surface.

Bonding battery

Use hot melt glue or other adhesive

materials to attach the battery to the PCB in place and finish the battery wire. If necessary, the battery wire can be fixed with adhesive material

Coated heat shrinkable tube

Loop the heat-shrinkable tube over the tracker, turn the heat gun on at 340 degrees, maximum wind speed to:

Side = > bottom = > top = > ends

The sequence of the heating contraction. Cut off the tail end while it is hot, cut out the USB port opening after cooling, and cut out the switch opening with a box cutter. It is recommended to carve knife on both sides of the switch stroke, then carve knife on the PCB side, lift up the part of heat-shrinkable pipe to be cut, and cut it with box cutter.

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