

# Operation Description

1. Power supply parts: by 510mA lithium battery, PJ4054 charging management IC, MINI USB interface and plucked a switch and resistors capacitance composition, charging by computer USB port via the dt-mini USB interface input + 5V voltage, electric current through PJ4054output voltage 4.2 V battery recharging voltage on management , Power supply control by the S1, S1 3 seconds when pressed, MOS tube Q1 turns on, the power output of 3.3V LDO by Buck Bluetooth chip BCM2042 21 foot power. When the circuit is working properly, a high level in the output port P45 is used to maintain the Q1-state, when the need to shut down, hold down the switch S14 seconds, and Bluetooth IC by controlling the state of measurement P44, P45 port output in the low, so that Q1 open, shut down the entire circuit .In the course, if there is program running out, the program through the S3 button reset.

2. Bluetooth part: when the power switch after opening, bluetooth chip will automatically send bluetooth identify command, proposed by bluetooth adapter recognition, computer not search to bluetooth device is necessary, by pressing the bluetooth keyboard search key, start-up bluetooth chip CPU issued bluetooth identification information, when sending pairing of bluetooth adapter keyboard messages, will signal the antenna ANT into bluetooth chip internal CPU for code value conversion, again from the keyboard input information via bluetooth chip matching CPU processing, the antenna to launch a bluetooth adapters.

3. Bluetooth keyboard by working frequency IC module J2, J3 pins produce a wafer 24MHz shock.