

500F circuit function specification

| serial number | function | description |
|---------------|----------------------------|--|
| 1 | Bluetooth Module CC2540 | Transmit data. Connect CPU via serial port |
| 2 | luminescence driver chip | Red LED and infrared LED drive. |
| 3 | CPU part | Calculation and save the data. Using 8 MHZ internal clock. |
| 4 | power supply chip | Input 3 V and step up to 3.5 V. |
| 5 | power supply chip | Input 3.5V and output 3.3V |
| 6 | power supply chip | Input 3.5V and output 3.3V |
| 7 | interface | Power input interface |
| 8 | button | Switch menu |
| 9 | buzzer | The main chip output PWM voice drive |
| 10 | display screen | OLED-9.6'' |
| 11 | receiving tube | receiving tube |
| 12 | Bluetooth Version | 4.0 Smart(BLE) |
| 13 | Operating Frequency | 2.4GHz ISM band |
| 14 | Antenna Type | Integrate |
| 15 | Antenna Gain | 3 dBi |
| 16 | Operating clock frequency | 32MHz |
| 17 | Power supply | + 3.0V ~ + 3.3VDC, 50mA |

How the device is operating about the Bluetooth function

The Bluetooth function is automatically turned on while the pulse oximeter is power on. Then turn on the Bluetooth of cell phone, set up the wireless communication after successfully pairing. Cell phone receive real-time oximetry data, realize the wireless transmission function.