

## 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.