



Shenzhen Jiabaida Electronic Technology Co., Ltd.

SHENZHEN JIABAIDA ELECTRONICS TECHNOLOGY.CO.,LTD

Product specification

Product specification

Customer name:

Customer

product name:

Sample Name Bluetooth 5.0\with patch 4PIN\2.54MM

Product number:

Model Name 39990098

Submission date:

date 2021-11-22

Version:

Version V1.0

Customer

signature and



version number	Page/Chapter	Revised by	revision date	modify the content	Remark
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SIGNATURES

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change log

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1. product description

1.1 describe

The product is based on bluetooth5.0 chip designed with TLSR8251. The Bluetooth chip TLSR8251 used inside is equipped with 512KB Flash and 32KB SRAM, which has the characteristics of ultra-low power consumption, high performance and wireless multi-mode. The product application function is to transmit data to apk via Bluetooth.

1.2 Product schematic diagram

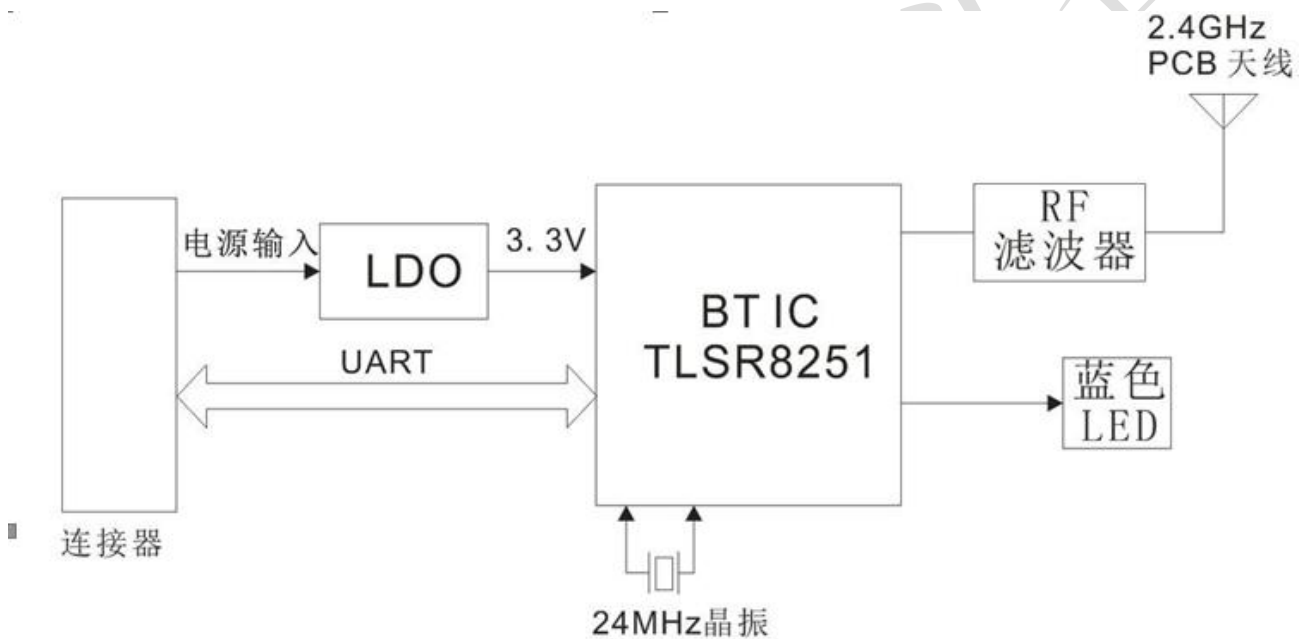


Figure 1 Product principle block diagram

2. Product Function Definition

- (1) After the product is powered on, it enters the broadcast state.
- (2) Master terminal apkEstablish a connection with the product Bluetooth, the Bluetooth is always on, and can realize data transmission and interaction.
- (3) Master terminal apkDisconnect the Bluetooth connection with the product, and the product will enter the broadcast state.
- (4) Product Bluetooth display name: xiaoxiang BMS

3. Electrical Specifications



3.1 Product Recommendations Work Environment

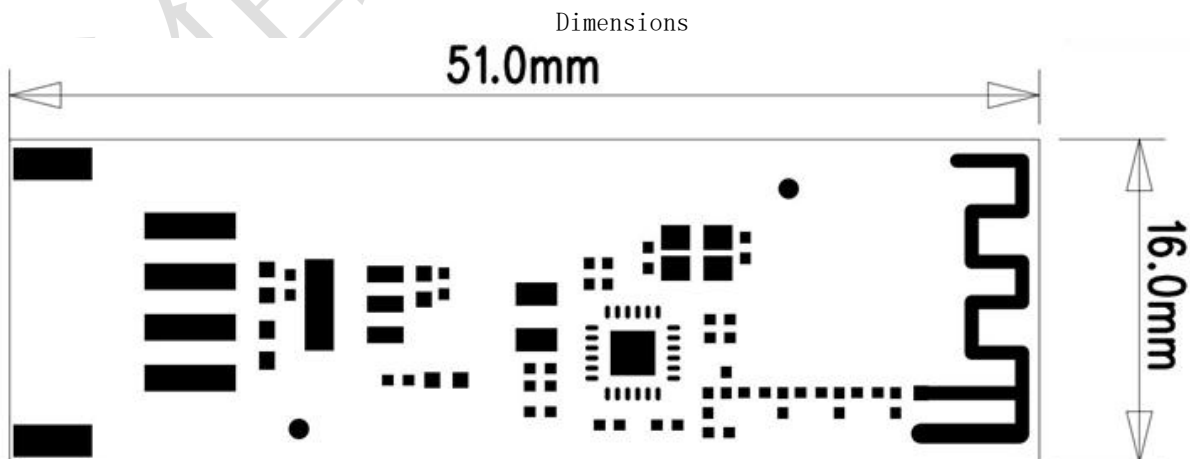
logo	describe	minimum value	typical value	maximum value	unit
VBAT	Product supply voltage	3.4	5	36	V
TA	Working temperature	-20	25	70	°C
Ts	storage ambient temperature	-30	25	85	°C

3.2 Product RF parameters

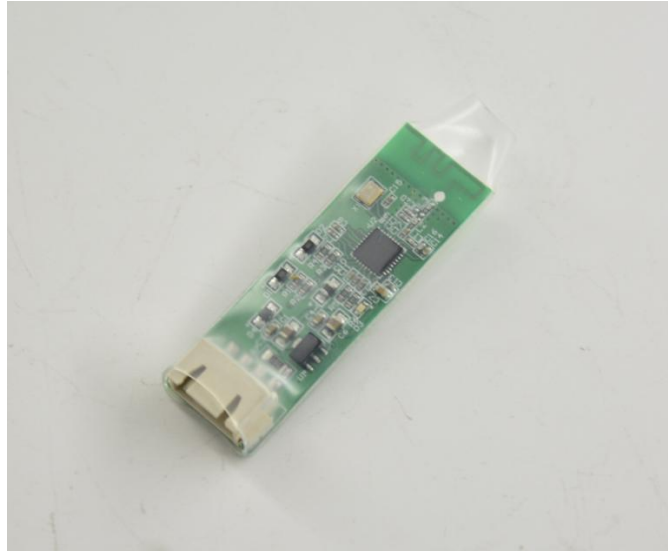
bluetooth standard	Bluetooth 5.0
Modulation	GFSK
Operating frequency range	2.400~2.4835GHz
operating channel	0~39
transmission power	$0 \leq \text{Output Power} \leq +10\text{dBm}$; Class I Device
acceptance sensitivity	-90dBm@BLE 1M (FER $\leq$ 30.8%)
Antenna type	PCB onboard antenna, antenna gain 1.05dBi (Max)

4. Appearance

- (1) PCB process: FR4 board, green oil and white characters, tin spraying, board thickness $1.0\text{mm} \pm 0.1\text{mm}$
- (2) PCB size and layout design, the outer dimension tolerance is $\pm 0.2\text{mm}$



Product physical picture front view



back image



5. Packaging Information

Packing Information: Tray

