

## Circuit Description

1. CPU AC6965E

This product uses JL AC6965E as a control center to process the audio and BT protocol.

2. Charge circuit.

When 5V is input, it provides 800mA charging current to the lithium battery. There is a charging detection circuit to make the indicator light stay on during charging, and the indicator light goes off when the charging is saturated.

3. Crystal

The clock frequency of the Bluetooth chip is 24MHz, and the error is required to be 10ppm

4. Power amplifier

An audio amplifier HAA2018A, with a maximum power of 3W.

5. BT ANT

Bluetooth PCB onboard antenna, gain: -0.58dBi

Operating frequency: 2402-2480MHz

Modulation type: GFSK,  $\pi/4$ -DQPSK, 8DPSK