

Circuit Description

USB-C1: TYPE-C charging port, used for charging the built-in battery.

U5: TP4069 built-in battery charging management IC, charges the built-in battery through the TYPE-C port.

U2: LTK5313 is the power amplifier IC, used to drive the speaker.

U1: (AC6969D) Bluetooth IC, after receiving the Bluetooth signal through the 2.4G Bluetooth antenna, connects to the Bluetooth transmitting device (such as a mobile phone or computer), processes the audio signal played in the Bluetooth transmitting device, and outputs it as an audio signal to U2 power amplifier IC to drive the speaker to play sound.

Y1: 24MHZ crystal, provides a 24MHZ basic clock signal to U1.

K1-K3: Three function keys. For specific operations, please refer to the manual.

Battery voltage: 3.7V

Antenna gain: -0.58dBi

Antenna type: PCB antenna

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

Frequency Range: 2402~2480MHz