

Circuit Description

This product is a Bluetooth speaker that can be connected via Bluetooth, which includes MCU, Bluetooth high-frequency processor, power amplifier chip and other parts.

1. TYPE-C-USB inputs 5V, which is filtered by electrolytic capacitors and then supplies power to the MCU, Bluetooth high-frequency processor, and power amplifier.

2. The Bluetooth chip receives and transmits RF signals through the 6-pin antenna of the Bluetooth IC to be paired with other Bluetooth devices. The audio received by Bluetooth is processed and output by pin 16 of the Bluetooth chip to the power amplifier HT8731B to amplify the output and push the speaker to produce sound.

MCU: AC6969D

Crystal: 24MHz

Frequency Range: 2402-2480MHz

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