

## **Circuit Description**

It is a product of plastic bulbs. The bulbs support multiple switching and remote control.

The product is connected to AC 120V input and converted into DC5V through a transformer to supply power to the main board.

The Bluetooth master of the product is AC6969E, the external crystal is 24M, the audio is output to the amplifier 8002D through the Bluetooth chip, and then the 8002D is output to the speaker. The color of the bulb light is controlled by the main control AC6969E, and the command is sent out through transmission, and the infrared receiver receives the command to switch the state.

The Bluetooth version of main chipset AC6969E is V5.0+BDR+EDR, Outer crystal oscillator is 24MHz, transmit signal's frequency is 2402MHz-2480MHz.

The antenna is a 2.4GHz chip antenna.

Antenna: Gain -0.68dB

Bluetooth Version: V5.0+BDR+EDR

Operation frequency band: 2402MHz-2480MHz