

Circuit Description

Product working principle: Place the battery into the product, press and hold the button for 3 seconds, and the product will power on. After passing through the filtering circuit, the battery will supply power to the MCU.

After the power supply stabilizes, the MCU begins the initialization process, including frequency, clock and IO initial state setting. After initialization is complete, enter the Bluetooth broadcast state, and the blue LED flashes at a speed of 150ms/time. After 8 seconds, it flashes at a speed of 660ms/time. During the flashing period of the blue LED, the phone can be paired with it. After successfully pairing the phone, the blue LED will turn off. Pressing the button, the light will flash, indicating normal operation and can be used for taking photos. If there is no operation in 5 minutes, it will automatically shut down.

Voltage Range: DC 3.0V from Button Lithium Cell

MCU: YC1386-S

Crystal: 24MHz

Frequency Range: BLE 1M: 2402-2480MHz

Modulation Technique: GFSK