FCC ID: P5Q1648205

Technical Description

MIC recording circuit: enter the Bluetooth call function, the Bluetooth module 30th foot began to output 3 v voltage to the MIC circuit, MIC starts to work, and receive voice, then transmitted the voice to Bluetooth module for data processing, then send the sound to Bluetooth module.

LED circuit: LED3, LED4 is controlled by Main single chip microcomputer SJ1081 IC mainly hinted for charging indicator, LED1, LED2 is controlled by Bluetooth module mainly hinted for the Bluetooth pairing and the machine standing by.

KEY circuit: controlled by single-chip microcomputer SJ1081 IC software, when the Key confectioned, voltage drop-down, the SJ1081 SCM began to processing data, and then will pass the instruction to Bluetooth module and SJ2314 audio decoding IC

MCU circuit: this single chip microcomputer SJ1081 IC can be working well after writing software, control the whole circuit

Power supply circuit: the whole machine was supplied power by two groups of voltage, V5 is supply power to power amplifiers IC, V3.3 is supply power to module, microcontroller IC, op-amp IC, and audio decoding IC .

Audio input circuit AUX: AUX voice source input, processing the data from AUX by the SJ1081 microcontroller IC and SJ2314 audio IC. pass voice source to SJ8603 amplifier IC and enlarge the input source of sound, then transfer the enlarged voice source to the horn

Power amplifier circuit: SJ8603 amplifiers is supply power from 5 v voltage, the mainly function is enlarge the input source of sound, then transfer the amplification sound source to the horn

Op-amp circuit: Bluetooth module pass source signals to 3414 op-amp IC for sound amplification treatment and then transmit to SJ1081 microcontroller IC and SJ2314 audio IC for source data processing, the SJ8603 amplifiers will enlarge the source of sound, then transfer the amplification sound source to the horn

Audio decoding circuit: processing Bluetooth and input signal of AUX source, further to decode audio data, the SJ8603 amplifiers will enlarge the source of sound, and then transfer the amplification sound source to the horn

Bluetooth module circuit: Bluetooth module is high frequency circuit, it supply power from the battery directly, normal working voltage is 3.3-4.2 V, emission frequency is 2.402 to 2.480GHz with 79 Channels, 1MHz channel spacing, support transmit Various audio wirelesses. An internal, integral antenna has been used.