Circuit Description

BT08_RX is the use of ISSC's new ROM version of the Bluetooth stereo Bluetooth chip IS1685N-254 for the main chip, there are four external buttons, a power button, a pairing button, a volume increase, a volume reduction button, there are two Bluetooth indicator, one each red and blue, plus a separate control external lighting of the LED buttons. Key operating and Bluetooth status LED indicates the direction is configured by an external Bluetooth 32K of EPROM 24LC32 to store. 2.4GHz RF amplification to increase the external IC, improve Bluetooth transmission power, maximum power amplification to 14.5dB. Also improve the receiving sensitivity, acceptable level of-90dBm, the battery-powered circuit 3A is used four batteries, 7.2V to 9.6V operating voltage is between the audio circuitry is Bluetooth audio output to directly drive an external audio PA, external PA is a 10W Class D audio amplification IC, at 15V, TDH is 10% for 4R's speaker output 10W of power, the power part of the direct access to four 3A batteries. The power control is four 3A battery voltage VBAT, transformed by LDO 5V and 3.3V power supply for the master Bluetooth, the Bluetooth chip with a DC-DC 1.8V MCU and RF power to the Bluetooth, there's all the way to 3V LDO for the audio circuitry, and all the way through the 5V power supply VBAT to go through a transformation of 3,3 V LDO to external RF power amplifier circuit. Switch button control switch machine, the Bluetooth pairing button to enter pairing mode is operating, the volume keys to adjust the volume using the machine uses 3A battery, not charging.