

The brief introduction of the circuit of the Bluetooth headsets

1. IC U1 BlueCore3-Multimedia is a single chip radio and baseband IC for Bluetooth 2.4GHz systems of CSR Company. BC358239A contains 8Mbit of internal Flash memory. It provides a fully compliant Bluetooth system to v1.2 of the specification for data and voice communications.
2. The BlueCore3-Multimedia RF local oscillator and internal digital clocks are derived from the reference clock at the BlueCore3-Multimedia 16MHz Crystal Y1 XTAL_IN input. This reference is from a crystal connected between XTAL_IN and XTAL_OUT.
3. Launching antenna is chip antenna, it's good for receive and launch 2402-2480MHz RF signal.
4. Power of the whole body is provided by 3.7V polymer battery.
5. DC-DC transfer the battery to 2.0V for the IC U1 power supply.
6. U2 is an advanced linear charge management controller.
7. U6 supplies the MIC with a DC bias through a resistor, the MIC has a built-in MIC amplifier.