

# **The brief introduction of the circuit of the Bluetooth Mp3 Dongle**

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 printing antenna.in fact,good effect can be obtained by chip antenna.
4. Power of the whole body is provided by 3.7V polymer battery.
5. DC-DC transfer the battery to 3.0V for the IC U1 power supply.
6. U2 is a advanced linear charge management controllers.
7. Audio input from the socket and transfer by the U1.