

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

1. IC U1 BlueCore3-Multimedia External is a single chip radio and baseband IC for Bluetooth 2.4GHz systems of CSR Company.BC352239A interfaces to 8Mbit of external 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 26MHz 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 and Audio signal are provided by Ipod 30 pin connector.
5. The flash memorizer use the iPod power provided by 3.0V.
6. The balun is a device that joins a balanced line to an unbalanced line,it is a type of transformer.
7. Filter can filtered any noise out of Bluetooth band.