

## The brief introduction of the circuit of the Bluetooth Speaker PS938M

1. U501 is a Bluetooth Module, it is based on CSR BC03 Multimedia External chipset and fully compliant with Bluetooth Specification V1.2. The BlueCore3-Multimedia RF local oscillator and internal digital clocks are derived from the reference clock at the BlueCore3-Multimedia 16MHz Crystal Y1.
2. U503 used Linear Regulator 3.3V output to U501.
3. U5 and U6 is Class D amplifier, used for drive the speaker.
4. U4 and U2 is OP. Used for analog audio amplifier, and bass boost and stereo widening.
5. U8 is used for step up DC to DC. Power supply U5 and U6.
6. Q2 is used for power switch, except U501 and U5,U6, all other IC power are controlled by it .
7. Antenna is printing antenna