

The brief introduction of the circuit of the Bluetooth Speaker PS938M

1. Power adaptor used for AC 120V to DC5V, than supply to Bluetooth Module 3.3V by Voltage Regulator, 5V supply Power Amplifier. Audio Switch MC14066, Volume Controller SC9235 Bass boost and Stereo Width IC PT2308.
2. 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 26MHz Crystal Y1.
3. U503 used Linear Regulator 3.3V output to U501.
4. U5 and U9 is Class D amplifier, used for drive the speaker.
5. U3 and U8 is OP. Used for analog audio amplifier, and bass boost and stereo widening.
6. U1 is used for step up DC to DC. Power supply U10 and U6.
7. Q1 is used for power switch, except U501 and U5, U9, all other IC power are controlled by it .
8. Antenna is printing antenna