

Circuit Description

U1 (BC413159A) use CSR chipset, this chipset provides a fully compliant Bluetooth system to V2.0+EDR of the specification for data and voice communications. It integrated switch-mode regulator and battery charger with programmable.

SW1, K3 are human control interface, It control the headset difference operation
The RF circuit is consist of Π type filter and antenna.

The U1 (BC413159A) main chip supporting by a crystal of 16MHz

The audio signal pass through the Mic circuit, then enter to the U1, after the main chip analyzer and modulator, with the CSR Bluetooth software stack, it provides a fully compliant Bluetooth system of the specification for data and voice communications, then transmitting through the antenna with 2402 to 2480MHz.