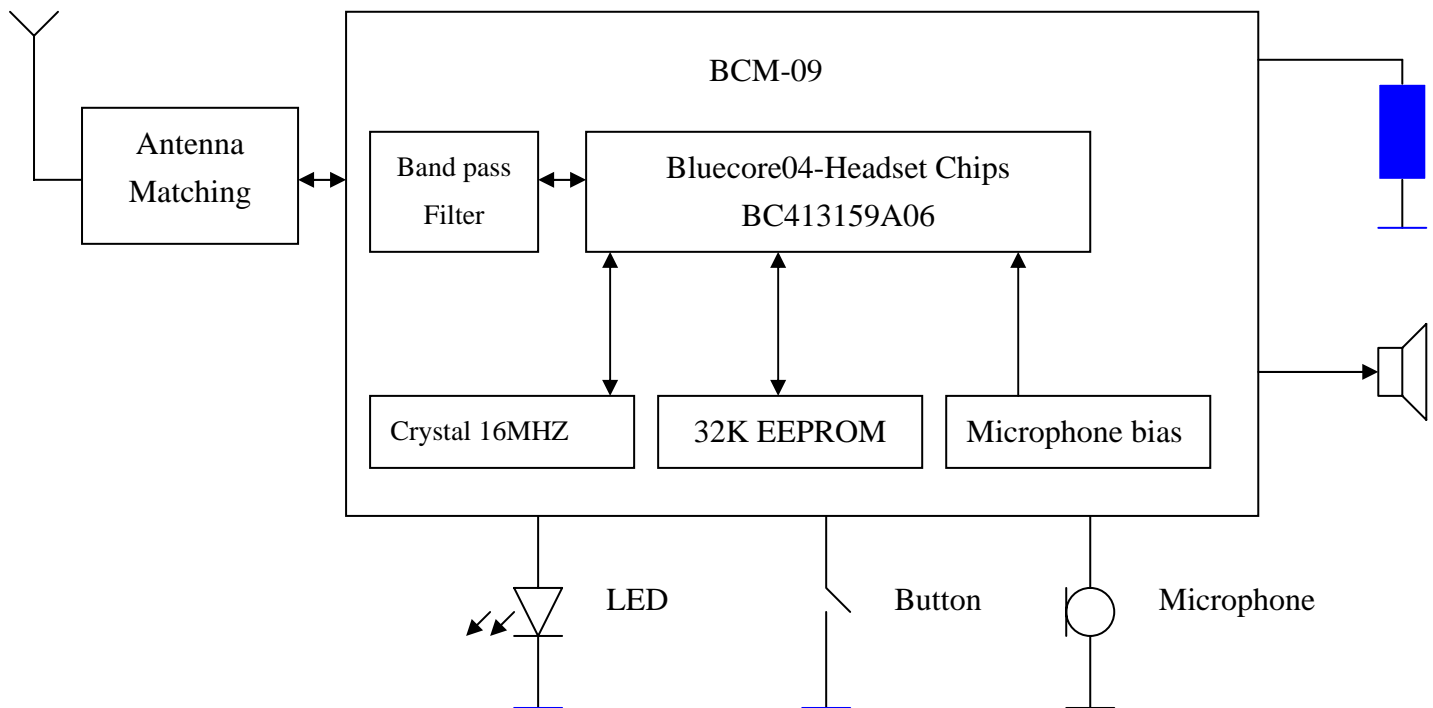


# System Architecture Headset



The Bluetooth mono headset is use CSR BC04-Audio ROM solution, the BC04-Audio Rom consists of the Battery change circuit, Power Supply Circuit and Tolerant LED Drivers.

The headset consists of the bc04-Audio Rom module BCM-09, Status indicating LED and Three Multifunction Buttons for power on/off, Pairing, Call control and Volume Control etc.

## Battery Charge Circuit

The Battery use Rechargeable 85mA Battery, The battery charger is use internal battery changer circuit.

## Bluetooth Class 2 Module BCM-09

The BCM-09 is a Class 2 Bluetooth sub-system using BlueCore4-Audio Rom chipset from leading Bluetooth chipset supplier Cambridge Silicon Radio with a maximal output power of less than 4dBm. The module block includes CSR BC04-Audio IC, 32k EEPROM, Microphone Bias, Band pass Filter and Crystal for clock. When used with the CSR Bluetooth software stack, it provides a fully compliant Bluetooth system to v2.0+EDR specification for data and voice communications.

The RF circuit includes the antenna matching components and a MMC Antenna AHD1103-244ST01.

## 32K EEPROM

The headset is use 32K EEPROM from Microchip Technology, an EEPROM is necessary to store parameters such as the Bluetooth address.