1 EX-02 Radio Architecture

This section discusses the radio architecture for class 2 designs.

This headset use csr Bluetooth chip BC63C159A03 is a single chip radio and baseband IC for Bluetooth 2.4GHz systems including enhanced data rates (EDR) to 3Mbps

1 Common TX/RX terminal

2 No external trimming is required in production

Transmitter

+8dBm RF transmit power with level control

Class2 and Class3 support without the need for an external power amplifier or TX/RX switch

Receiver

Intergrated channel filters

Digital demodulatoro for improved sensitivity and co-channel rejection

Fast AGC for enhanced dynamic range

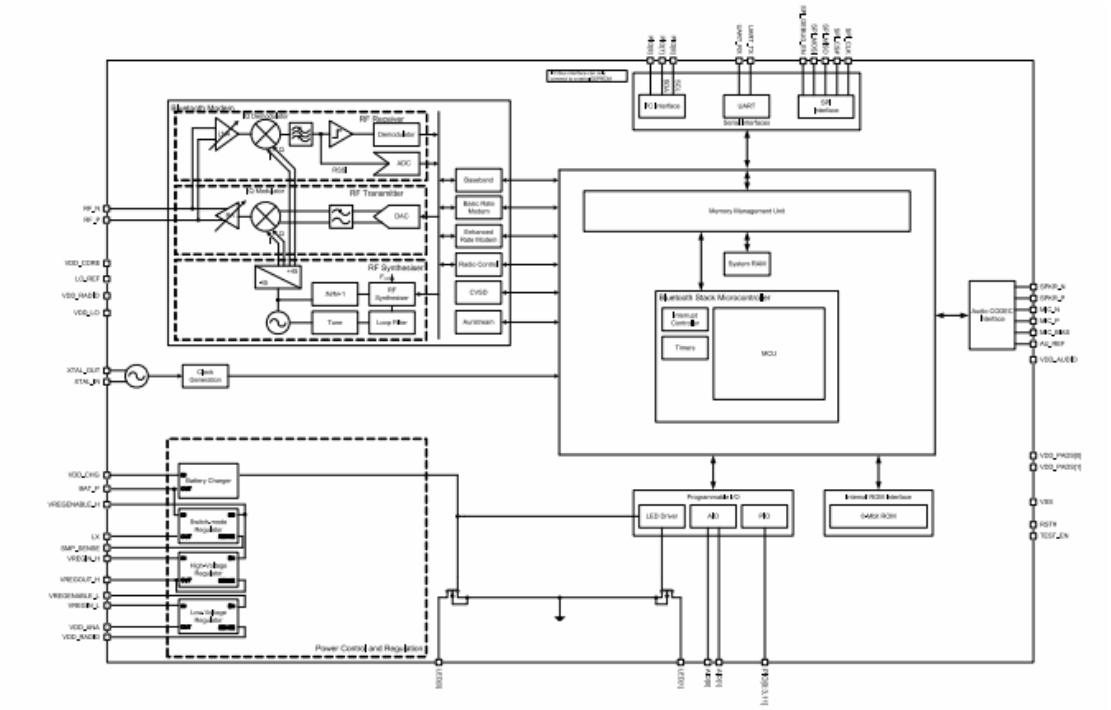

Figure 2.1: BlueCore5-Audio ROM QFN Device Diagram