

# Rayson Bluetooth® Module

## QCC3008 Stereo Audio Module

### BTM-0086

#### Features

- Fully qualified single-chip dual mode Bluetooth® v5.0 system
- 80 MHz RISC CPU and 80 MHz Qualcomm® Kalimba™ DSP
- On-chip ROM, RAM, and external QSPI flash memory
- Link Layer and Dual Mode Topologies
- support Stereo Codec Stereo line input
- aptX, aptX Low Latency, SBC, and AAC audio codecs support
- 1-mic cVc hands-free NR/EC
- Audio interfaces: dual I²S and PCM, SPDIF, analog and digital microphone
- Fully configurable EQ: 6 banks for music enhancement; 1 bank for speaker
- Serial interfaces: UART, USB 2.0, and I²C
- Integrated dual switch-mode regulators, linear regulators, and battery charger
- RoHS compliant.
- Small outline. 21 x 13.5 x 2.75mm

#### Outline



#### Applications

- Bluetooth stereo speakers
- Speakerphones

#### Block diagram

