

Rayson Bluetooth® Module

QCC3031 Stereo Audio with aptX Module

BTM-0312

Features

- Qualified to Bluetooth® v5.0 specification
- 120 MHz Qualcomm® Kalimba™ audio DSP
- 32 MHz Developer Processor for applications
- Firmware Processor for system
- Flexible QSPI flash programmable platform
- High-performance 24-bit stereo audio interface
- Digital and analog microphone interfaces
- 1-mic Qualcomm® cVc™ speaker noise reduction and echo cancellation technology
- SBC and AAC audio codecs support
- Serial interfaces: UART, Bit Serializer (I²C/SPI), USB 2.0
- Integrated PMU: Dual SMPS for system/digital circuits
- Integrated Li-ion battery charger
- RoHS compliant.
- Small outline. 20.0 x 14.5 x 2.75mm (typ.)

Outline



Applications

- Bluetooth stereo speakers
- Speakerphones

Block diagram

