

Bluetooth® Module

BC08 Stereo ROM Module – CRS8635

BTM-636

The BTM636 series is CSR 8635 Bluetooth Stereo Audio Module and is suitable for HFP, A2DP and AVRCP applications. Multipoint support for A2DP connection to 2 A2DP sources for music playback. The enhanced Kalimba DSP coprocessor with 80MIPS supports enhanced audio and DSP applications. The integrated audio codec supports stereo line input with LINE input and Stereo output, as well as a variety of audio standards. Support built have 4Mbit SPI Flash for voice prompts.

Features

- Fully Qualified Bluetooth v4.0.
- Integrated Switched-Mode Regulator.
- Integrated Battery Charger.
- Embedded Kalimba DSP Co-Processor.
- Stereo codec with 1 microphone input.
- High-performance Stereo codec.
- CSR's latest CVC technology for narrowband and wideband voice connections including wind noise reduction.
- Wideband speech supported by HFP v1.6 Profile and mSBC codec.
- Multipoint HFP connection to 2 phones for voice.
- Multipoint A2DP connection enables a headset(A2DP) connection to 2 A2DP source device for music playback.
- Audio interfaces: Line-in
- Serial interfaces: USB 2.0.
- SBC, MP3, AAC, Faststream decoder support.
- Wired Audio support.
- Voice prompts support(Serial Quad I/O Flash+4Mb).
- RoHS compliant.
- Small outline. 16 x15 x1.8mm

Outline



Applications

- Bluetooth Stereo speakers.
- Handsfree car kits.
- 1-mic stereo headset or headphones.
- Speakerphones.