Bluetooth ® *Module*

Rayson
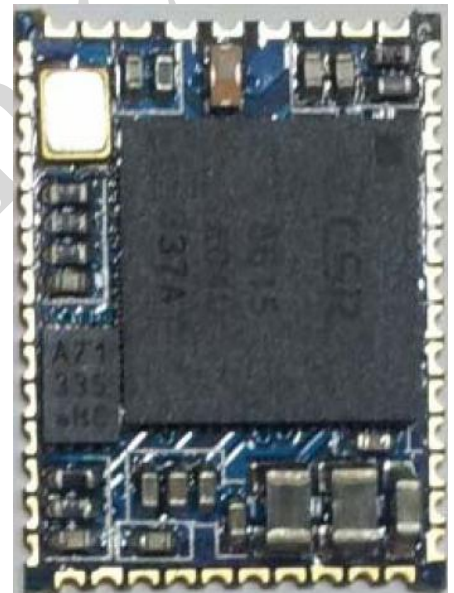
BC08 Mono ROM Module – CSR8615

B6M-615

The B6M615 series is CSR 8615 Bluetooth Mono 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 1-mic CVC input and mono output, as well as a variety of audio standards.

Features

- Fully Qualified Bluetooth v4.0.
- Integrated Switched-Mode Regulator.
- Integrated Battery Charger.
- Embedded Kalimba DSP Co-Processor.
- Stereo line input audio ADC and Mono DAC.
- CSR's latest CVC technology for narrowband and wideband voice connections including wind noise reduction.
- Widebank speech supported by HFP v1.6 Profile and mSBC codec.
- Multipoint A2DP connection enables a headset(A2DP) connection to 2 A2DP source device for music playback.
- Audio interfaces: Line-in and microphone input.
- Serial interfaces: USB 2.0 and SPI
- SBC, MP3, AAC, Faststream decoder support(option).
- Wired audio support.
- RoHS compliant.
- Small outline. 15 x11.5 x1.8mm

Outline

Applications

- Bluetooth mono Speakers.
- Handsfree car kits.
- 1-mic CVC headset or headphones
- Speakerphones.