Bluetooth ® Module

Rayson
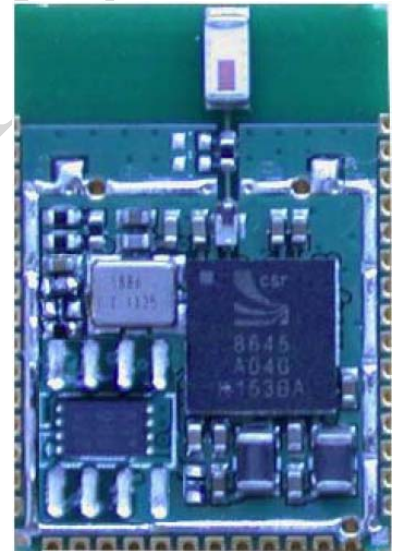
BC08 Class2 Stereo ROM Module – CSR8645

BTM-646

The BTM646 series is CSR8645 based Bluetooth module. It is a BT4.0 dual mode with antenna . The user should mounting this module to a host board which may supply voltage power, control mechanisms and indicators to the module. The software include Bluetooth stack as well as user interfaces. That is, it could work as an stand alone system.

Features

- The module is a Max.4dBm(Class2) module.
- Fully Qualified Bluetooth v4.0.
- Integrated Switched-Mode Regulator.
- Integrated Battery Charger.
- Embedded Kalimba DSP Co-Processor.
- Integrated 16-bit Stereo Audio CODEC 93dB SNR for DAC.
- 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.
- SBC , APTX decoder support.
- MP3, AAC, Faststream decoder support. (option)
- HSP v1.2/ HFP v1.6/ A2DP v1.2/ AVRCP v1.4
- RoHS compliant.
- Small outline. 14 x20 x1.9mm(128K EEPROM)

Outline

Applications

- Stereo Wireless Headsets.
- Wired stereo headsets and headphones.
- Portable stereo speakers.