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| **Qualcomm** BlueCore® CSRB5348 | **Qualcomm** CSR8670™ | **Qualcomm** CSR8811 |
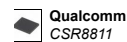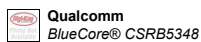
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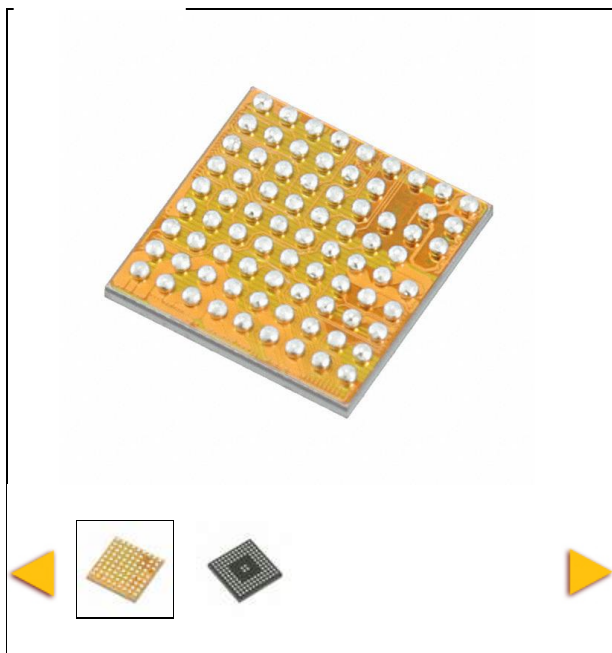
Qualcomm

CSR8670™

BlueCore5-Multimedia™ Audio System-On-Chip(SoC)

Qualcomm

CSR8670™ is CSR's next-generation audio system-on-chip (SoC) solution with wireless connectivity, embedded flash memory and integrated capacitive touch sensors. CSR8670 will enable the creation of feature rich home entertainment and wearable audio products with a highly compelling user experience and superior audio performance. CSR8670 is software-portable from CSR's popular BlueCore5-Multimedia™ platform, enabling easy migration of a broad range of CSR eXtension partner solutions, thereby facilitating rapid time-to-market deployment of a broad portfolio of consumer electronics products.

Datasheets ▸

Features ▽

- Bluetooth® 3.0 (Bluetooth 4.0 compatible)
- 16Mb embedded flash memory (64bit wide)
- Support for up to 64Mb external serial flash (optional)
- Dual-core architecture with Integrated applications processor and an ultra low-power DSP coprocessor
- RF Performance: Tx:+10dBm, Rx -90dBm
- Integrated high performance stereo codec
- Support for capacitive touch sensors
- Integrated Li-Ion Battery Charger

Applications:

- Headsets
- Speakers

Specifications ▽

- **Frequency:** 2.4GHz
- **GPIO:** 14
- **Memory Size:** 16MB Flash, 56kB RAM
- **Packaging:** Tape & Reel (TR)
- **Power - Output:** 10dBm
- **Protocol:** Bluetooth v4.0

- **RF Family/Standard:** Bluetooth
- **Sensitivity:** -90dBm
- **Serial Interfaces:** I²C, I²S, SPI, UART, USB
- **Supplier Device Package:** 112-VFBGA (6.5x6.5)
- **Type:** TxRx + MCU
- **Voltage - Supply:** 3.3V

Parts ▽

View in Parametric Search

Feedback

Image	Manufacturer Part Number	Description	Type	RF Family/Standard	Protocol	Modulation	Package / Case	RoHS
	CSR8670C-ICXT-R	IC RF TXRX+MCU BLUETOOTH	TxRx + MCU	Bluetooth	Bluetooth v4.0	-	-	RoHS
	CSR8670C-IBBH-R	IC RF TXRX+MCU BLUTOOTH 112VFBGA	TxRx + MCU	Bluetooth	Bluetooth v4.0	-	112-VFBGA	RoHS

View in Parametric Search

Associated Product ▽

CSR8670™ Development Board
Category: RF, Wireless-RF, IF-Evaluation, Development Kits, Boards

CSR8670™ Development Kit
Category: RF, Wireless-RF, IF-Evaluation, Development Kits, Boards

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