

## Advanced Audio System with 3D Sound

- Integrated QSOUND® 3D Sound Technology
- Compatible with Sound Blaster™, Sound Blaster Pro™, and Windows Sound System™
- Advanced MPC3-Compliant Input and Output Mixer
- Enhanced Stereo Full Duplex Operation
- Dual Type-F DMA Support
- Industry Leading Delta-Sigma Data Converters
- Fully Plug-and-Play ISA Compatible
- 3.3V or 5V ISA Bus Operation
- Programmable Power Management
- Hardware Master Volume Control
- Enhanced Digital Gameport
- CS9236 Wavetable Digital Audio Interface
- MPU-401 MIDI Interface
- Consumer IEC-958 Digital Output (S/PDIF)
- CS4236/CS4232/CS4231 Register Compatible

### General Description

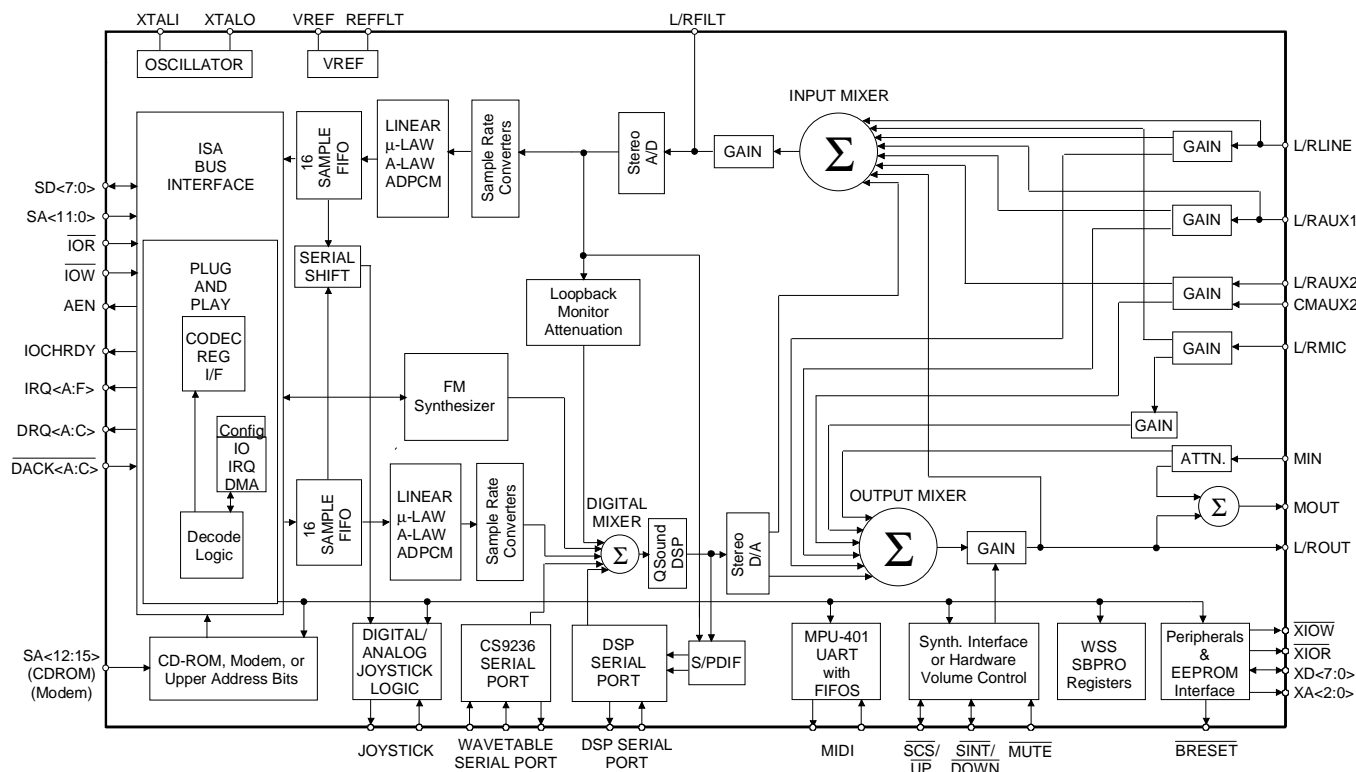
The CS4238B is a single chip multimedia audio system that provides compatibility with the Microsoft Windows Sound System standard and will run software written to the Sound Blaster and Sound Blaster Pro interfaces. The CS4238B is fully compliant with Microsoft's PC' 97 and WHQL audio requirements. The product includes an internal FM synthesizer and Plug-and-Play external interfaces for Wavetable, CD-ROM, and modem devices. In addition, the CS4238B includes hardware master volume control pins as well as extensive power management and QSOUND 3D sound technology.



### ORDERING INFORMATION:

CS4238B-KQ

100 pin TQFP, 14x14x1.4mm



### Preliminary Product Information

This document contains information for a new product. Crystal Semiconductor reserves the right to modify this product without notice.