

## Digital Audio Conversion System

### Features

- Stereo 16-bit A/D Converters
- Quad 16-bit D/A Converters
- Sample Rates From 4kHz to 50kHz
- >100 dB DAC Signal-to-Noise Ratio
- Variable Bandwidth Auxiliary 12-bit A/D
- Programmable Input Gain & Output Attenuation
- +5V Power Supply
- On-chip Anti-aliasing and Output Smoothing Filters
- Error Correction and De-Emphasis

### Description

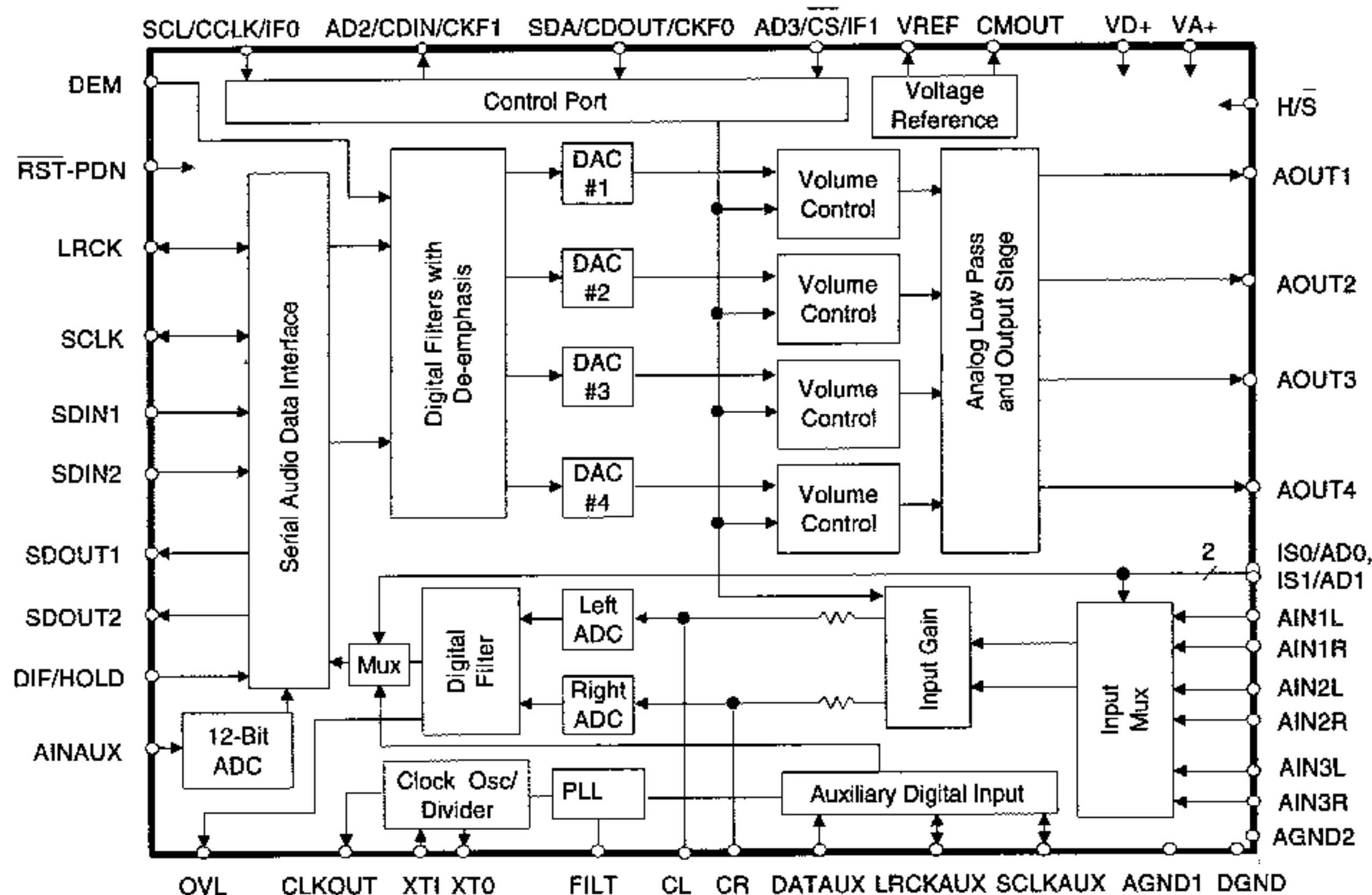
The CS4225 is a single-chip, stereo analog-to-digital and quad digital-to-analog converter using delta-sigma conversion techniques. Applications include CD-quality music, FM radio quality music, telephone-quality speech. Four D/A converters make the CS4225 ideal for surround sound and automotive applications.

The CS4225 is supplied in a 44-pin plastic package with J-leads (PLCC) or as a die.

### Ordering Information

|           |                                 |
|-----------|---------------------------------|
| CS4225-KL | PLCC, 0 °C to +70 °C            |
| CS4225-BL | PLCC, -40 °C to +85 °C          |
| CS4225-YU | die, -40 °C to +85 °C operation |
| CDB4225   | Evaluation Board                |

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### Preliminary Product Information

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