New 6-Channel D/A Converter Delivers Premium Audio Quality

Cost-Effective 105 dB, 24-Bit, 192 kHz D/A Converter

The CS4361 is a complete 6-channel digital-to-analog system that includes interpolation, multi-bit D/A conversion and output analog filtering in a compact, 20-pin package. The CS4361 supports all major data interface formats.

The CS4361 delivers premium analog performance and sound quality by utilizing low-latency digital filtering, a fourth order multi-bit Delta-Sigma modulator, and a linear analog low-pass filter. In addition, Cirrus Logic’s patented Popguard technology helps eliminate power cycling clicks and pops while reducing the number of external components required.

This device also includes auto-speed mode detection using both sample rate and master clock ratio as a method of auto-selecting sampling rates between 2 kHz and 200 kHz.

The CS4361 contains on-chip digital de-emphasis, operates from a single +3.3 V or +5 V power supply with a separate built-in level shifter for the digital interface, and requires minimal support circuitry. These features are ideal for DVD players and receivers, digital televisions, home theater surround-sound systems, PC audio, digital mixing consoles, and automotive audio systems.