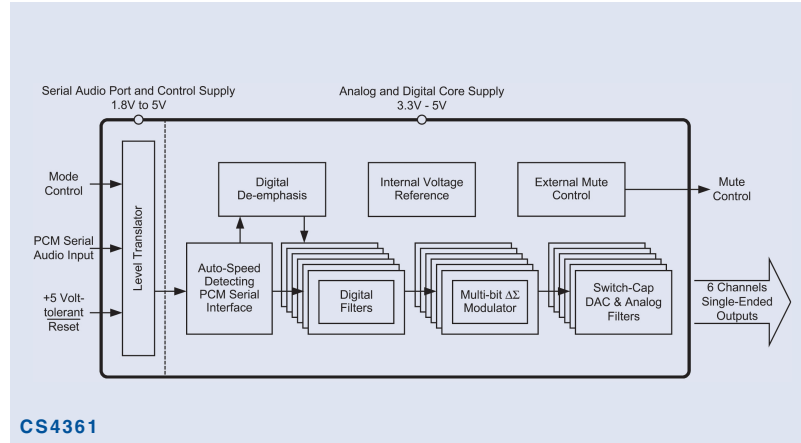


20-pin TSSOP

6.5 mm

6.4 mm

IC dimensions
(pin-to-pin nominal)



OUTSTANDING AUDIO FIDELITY

- Advanced multi-bit Delta-Sigma architecture
- 24-bit conversion
- 105 dB dynamic range
- -95 dB THD+N
- Up to 192 kHz sample rates for DVD-Audio equipment
- Low-latency digital filter
- 3.3 V or 5 V power supply
- 1.8 V to 5 V interface power
- Single-ended outputs
- Mute control output
- Filtered line level outputs
- On-chip digital de-emphasis
- Popguard® technology for control of clicks and pops
- Low clock jitter sensitivity
- Available in a 20-pin TSSOP; lead-free assembly
- CS4361 price: \$2.70 (10K)

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.