

8-Pin, 24-Bit, 96 kHz Stereo D/A Converter

Features

- Complete Stereo DAC System: Interpolation, D/A, Output Analog Filtering
- 24-Bit Conversion
- 96 dB Dynamic Range
- -88 dB THD+N
- Low Clock Jitter Sensitivity
- Single +5 V Power Supply
- Filtered Line Level Outputs
- On-Chip Digital De-emphasis
- Popguard® Technology
- Functionally Compatible with CS4330/31/33

Description

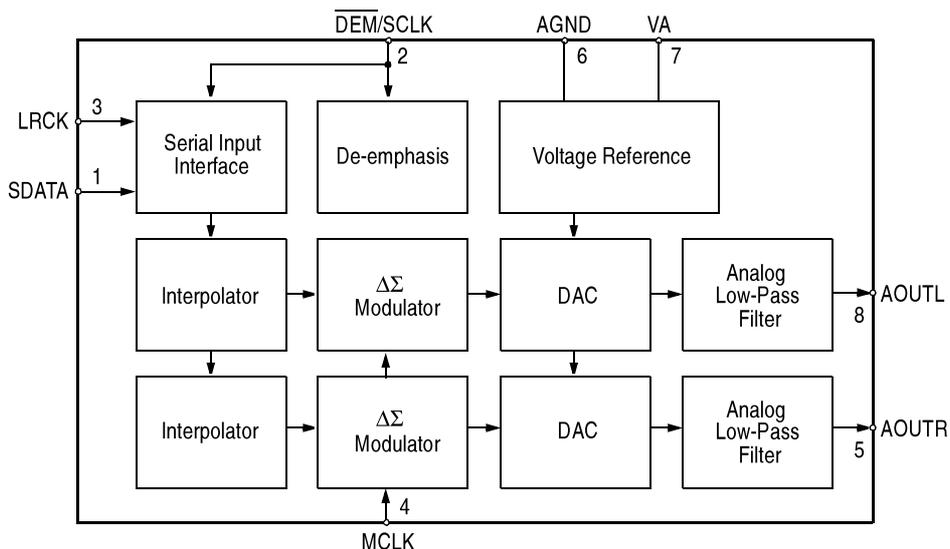
The CS4334 family members are complete, stereo digital-to-analog output systems including interpolation, 1-bit D/A conversion and output analog filtering in an 8-pin package. The CS4334/5/8/9 support all major audio data interface formats, and the individual devices differ only in the supported interface format.

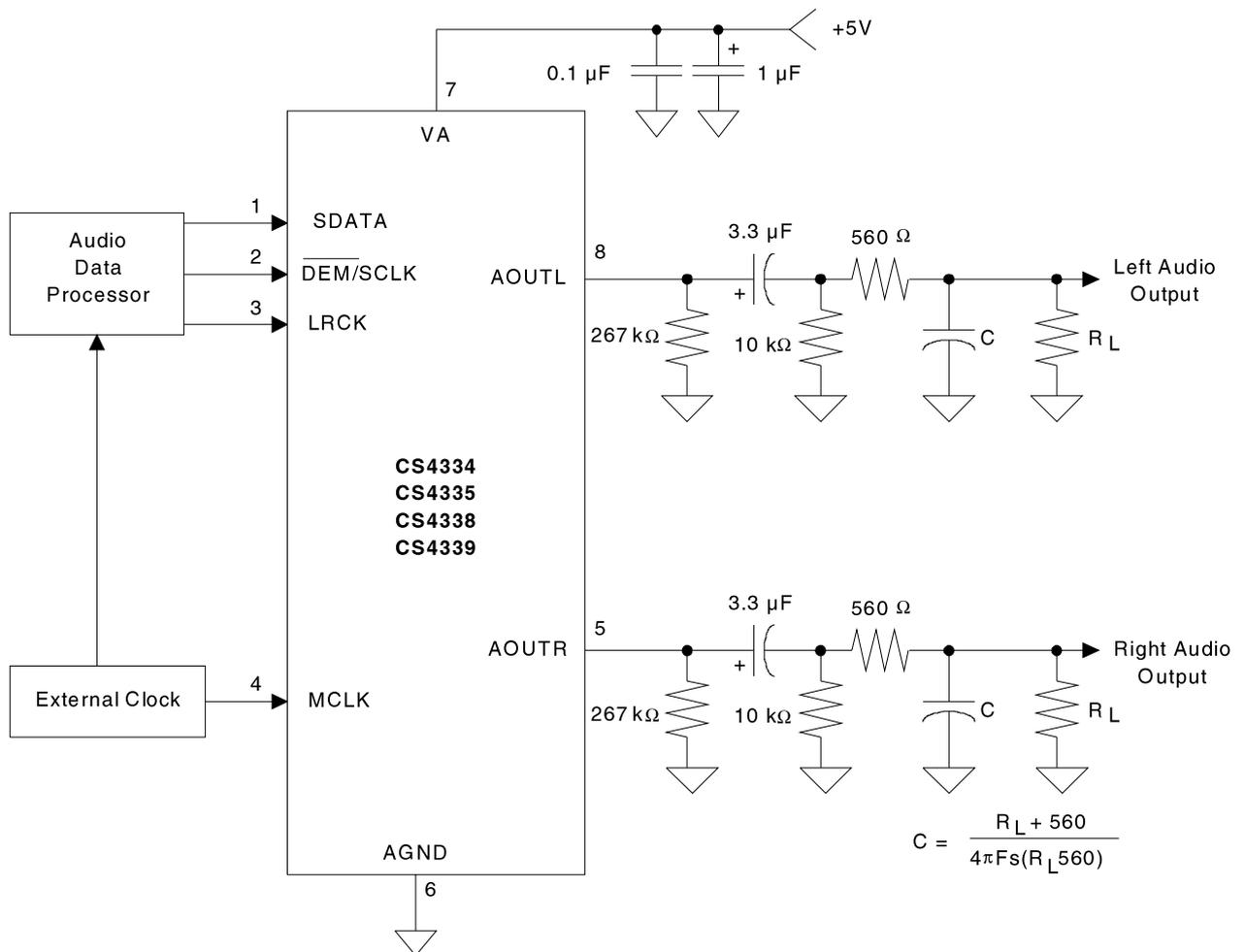
The CS4334 family is based on Delta-Sigma modulation, where the modulator output controls the reference voltage input to an ultra-linear analog low-pass filter. This architecture allows for infinite adjustment of sample rate between 2 kHz and 100 kHz simply by changing the master clock frequency.

The CS4334 family contains on-chip digital de-emphasis, operates from a single +5V power supply, and requires minimal support circuitry. These features are ideal for set-top boxes, DVD players, SVCD players, and A/V receivers.

ORDERING INFORMATION

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2. TYPICAL CONNECTION DIAGRAM

Figure 7. Recommended Connection Diagram