

Press Release

PA5144 24Bit, 192KHz Stereo D/A Converter for PCM Audio



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ProTek Analog a division of ProTek Devices introduces the PA5144 a 24-Bit Stereo D/A converter for PCM Audio.

The PA5144 is a low cost stereo digital to analog converter.

The PA5144 can accept I²S serial audio data format up to 24-bit word length.

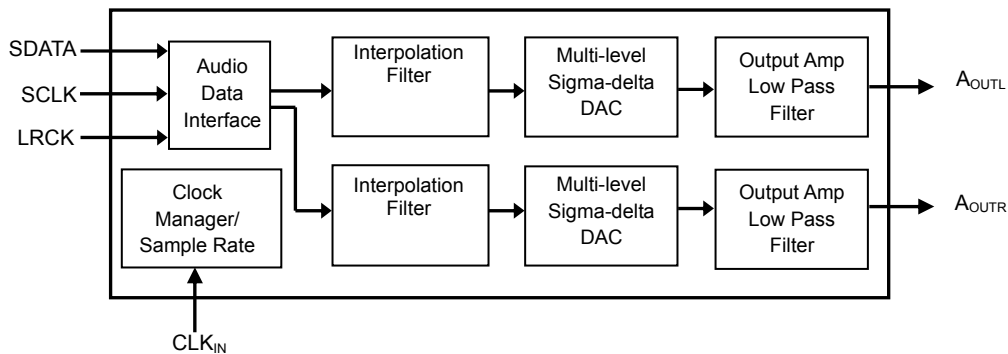
The device uses advanced multi-bit Δ - Σ (Delta Sigma) modulation technique to convert data into two channel analog outputs.

The multi-bit Δ - Σ modulator makes the device with very low sensitivity to clock jitter and very low out of band noise.

The PA5144 is available in a TSSOP10 package and is specified for operation over the -40°C to +85°C temperature range.

Sample quantities are available upon request. SPICE model and parameters are available for circuit simulation on request.

BLOCK DIAGRAM:



APPLICATION USES

- DVD players
- Portable audio players
- Set top boxes
- Digital TVs

FEATURES

- 95 dB dynamic range
- -85 dB THD+N
- Up to 200 kHz sampling frequency
- I²S audio data format, 16-24 bits
- Single power supply 4.2V to 5.5V

