



## General Discription

The SET5340 is a complete analog-to-digital converter for digital audio systems. It performs sampling, analog-to-digital conversion, and anti-alias filtering, generating 24-bit values for both left and right inputs in serial format sample rates up to 200 kHz per channel.

The SET5340 uses a 5th-order, multi-bit Delta-Sigma modulator followed by digital filtering and decimation, which removes the need for an external anti-alias filter.

The SET5340 is available in a 16-Pin TSSOP package for Commercial (-10° to +70° C) and Automotive grades (-40° to +85° C).

The SET5340 is ideal for audio systems requiring wide dynamic range, negligible distortion and low noise, such as set-top boxes, DVD-karaoke players, DVD recorders, A/V receivers, and automotive applications.

## Features

- Advanced Multi-bit Delta-Sigma Architecture
- 24-bit Conversion
- Supports All Audio Sample Rates Including 192 kHz
- 98 dB Dynamic Range
- -90 dB THD+N
- 77 mW Power Consumption
- High-Pass Filter to Remove DC Offsets
- Analog/Digital Core Supplies from 3 V to 3.6V
- Supports Logic Levels from 3 V to 3.6V
- Auto-detect Mode Selection in Slave Mode
- Auto-Detect MCLK Divider
- Package: 16-pin TSSOP