


PCM Audio Codec 2ADC / 2DAC Ch 28-Pin TSSOP Tube

Manufacturer:	<u>Cirrus Logic, Inc</u>
Package/Case:	TSSOP28
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The CS4272 is a high-performance integrated audio codec that performs stereo analog-to-digital and digital/analog conversion of up to 24-bit serial values at sample rates up to 192 kHz. The CS4272 utilizes a differential analog architecture to deliver unmatched analog performance and maximize system flexibility with an on-chip oscillator, output volume control with soft ramp and zero crossing, selectable digital filter response and integrated level shifters for direct interface to logic levels from 2.5 V to 5 V. The on-chip oscillator eliminates the need for an external crystal oscillator circuit, thereby reducing overall design cost and conserving circuit board space. The CS4272 automatically uses the on-chip oscillator in the absence of an applied master clock, simplifying system design. The wide dynamic range, negligible distortion and premium sound quality of the CS4272 make it the ideal for applications such as digital mixing consoles, effects processors, DVD recorders, set-top box systems and automotive audio systems.

Key Features

Complete stereo codec

24-bit conversion

System sampling rates up to 192 kHz

114 dB dynamic range

Output digital volume control with soft ramp

Low-latency digital filter

Selectable digital filter response

High-pass filter or DC offset calibration

Differential analog architecture

On-chip oscillator

Supports master or slave mode operations

5 V analog power supply

3.3 V or 5 V digital power supply

Supports direct interface to logic levels from 2.5 V to 5.0 V

Footprint-compatible with the CS4271

Package: 28-pin TSSOP; lead-free assembly

Consumer and automotive D-grade availability



Recommended For You

CS61584A-IQ3Z

Cirrus Logic, Inc
QFP

CS42448-DQZ

Cirrus Logic, Inc
QFP

CS4270-CZZR

Cirrus Logic, Inc
TSSOP24

CS42526-CQZ

Cirrus Logic, Inc
QFP

CS61884-IQZ

Cirrus Logic, Inc
QFP

CS61884-IB

Cirrus Logic, Inc
BGA

CS61577-IL1

Cirrus Logic, Inc
PLCC28

CS61535A-IL1

Cirrus Logic, Inc
PLCC28

CS61577-IL1Z

Cirrus Logic, Inc
PLCC28

CS61581-ILZ

Cirrus Logic, Inc
PLCC

CS5372A-ISZ

Cirrus Logic, Inc
QFP

CS61583-IQ5Z

Cirrus Logic, Inc
QFP64

WMB962BECSN/R

Cirrus Logic, Inc
WCSP-49

WMB994ECS/R

Cirrus Logic, Inc
WCSP-72

CS42438-DMZ

Cirrus Logic, Inc
QFP52