

General Purpose Audio Codec 2ADC / 8DAC Ch 64-Pin LQFP

Tray

Manufacturer:	Cirrus Logic, Inc
Package/Case:	LQFP64
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The CS42528 audio codec family provides two audio a/d (analog to digital) converters and eight digital/analog converters (DACs) Delta Sigma converters, as well as an integrated S/PDIF receiver. The CS42518/28 family's integrated S/PDIF receiver supports up to eight inputs, clock recovery circuitry and format autodetection. The internal stereo A/D converter is capable of independent channel gain control for single-ended or differential analog inputs. All eight channels of D/A converter provide digital volume control and differential analog outputs. The CS42518 and CS42528 are ideal for audio systems requiring wide dynamic range, negligible distortion and low noise, such as audio/video receivers, DVD receivers and digital speakers.

Key Features

- Eight 24-bit D/A converters, two 24-bit A/D converters
- 114 dB D/A converter/114 dB A/D converter dynamic range
- System sampling rates up to 192 kHz
- S/PDIF receiver compatible with EIAJ CP1201 and IEC-60958
- 8:2 S/PDIF input mux
- Recovered S/PDIF clock or OMCK system clock selection
- A/D converter high-pass filter for DC offset calibration
- Digital output volume control with soft ramp
- Digital ± 15 dB input gain adjust for A/D converter
- Differential analog architecture
- 5 V analog power supply
- 3.3 V or 5 V digital power supply
- Supports logic levels between 1.8 V and 5 V
- Package: 64-pin LQFP; lead-free assembly

Recommended For You

CS4272-CZZ

Cirrus Logic, Inc

TSSOP28

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

WM8962BECS/R

Cirrus Logic, Inc

WCSP-49

WM8994ECS/R

Cirrus Logic, Inc

WCSP-72