


## General Purpose Audio Codec 2ADC / 6DAC Ch 64-Pin LQFP Tray

<b>Manufacturer:</b>	<a href="#">Cirrus Logic, Inc</a>
<b>Package/Case:</b>	QFP
<b>Product Type:</b>	Communication & Networking ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The CS42526 audio codec family provides two analog-to-digital (A/D) and six digital-to-analog (D/A) Delta Sigma converters, as well as an integrated S/PDIF receiver. The CS42516/26 family's integrated S/PDIF receiver supports up to eight inputs, clock recovery circuitry and format auto-detection. The internal stereo A/D converter is capable of independent channel gain control for single-ended or differential analog inputs. All six channels of the D/A converter provide digital volume control and differential analog outputs. The CS42516 and CS42526 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

- Six 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
- A/D converter high-pass filter for DC offset calibration
- Digital output volume control with soft ramp
- Digital  $\pm 15$  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

### 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

### WM8962BECSN/R

Cirrus Logic, Inc

WCSP-49

### WM8994ECS/R

Cirrus Logic, Inc

WCSP-72

### CS42438-DMZ

Cirrus Logic, Inc

QFP52