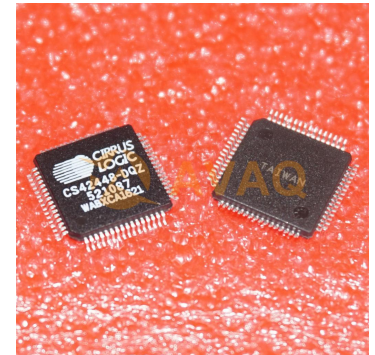



General Purpose Audio Codec 6ADC / 8DAC Ch Automotive 64-Pin LQFP Rail



Images are for reference only

[Inquiry](#)

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

General Description

The CS4244 provides four multibit analog-to-digital and four multi-bit digital-to-analog Delta Sigma converters and is compatible with differential inputs and either differential or single-ended outputs. Digital volume control, noise gating, and muting is provided for each DAC path. A selectable high-pass filter is provided for the 4 ADC inputs. The CS4244 supports master and slave modes and TDM, left-justified, and I²S modes. This product is available in a 40-pin QFN package in Automotive (-40 °C to +105 °C) and Commercial (-40 °C to +85 °C) temperature grades. The CDB4244 Customer Demonstration Board is also available for device evaluation and implementation suggestions.

Key Features

DAC Features

Advanced multibit Delta Sigma modulator

24-bit resolution

Differential or single-ended outputs

Dynamic range (A-weighted)

THD+N

2 V

RMS

Rail-to-rail operation

ADC Features

Advanced multibit Delta Sigma modulator

24-bit resolution

Differential inputs

2 V

RMS

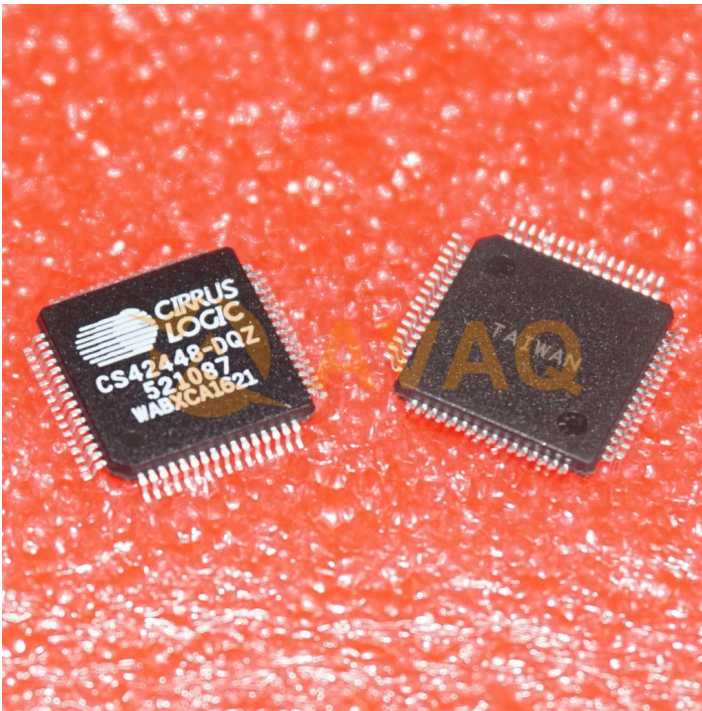
System Features

TDM, left justified, and I²S serial inputs and outputs

I²C™ host control port

Supports logic levels between 5 and 1.8 V

Supports sample rates up to 96 kHz



Recommended For You

CS4272-CZZ

Cirrus Logic, Inc

TSSOP28

CS61584A-IQ3Z

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

WM8962BECSN/R

Cirrus Logic, Inc

WCSP-49

WM8994ECS/R

Cirrus Logic, Inc

WCSP-72

CS42438-DMZ

Cirrus Logic, Inc

QFP52