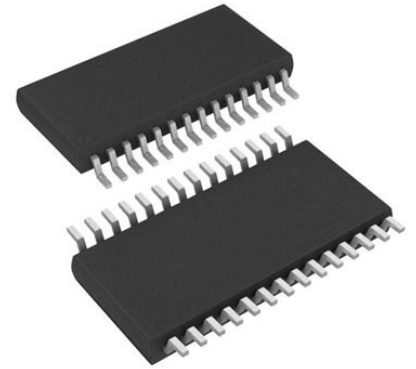


Digital Audio Interface Receiver 1RX 28-Pin TSSOP Rail

Manufacturer:	Cirrus Logic, Inc
Package/Case:	TSSOP28
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

The CS8415A is a monolithic CMOS device that receives and decodes one of seven channels of audio data according to the IEC-60958, S/PDIF, EIAJ CP1201, or AES3 standard. The CS8415A has a serial, digital audio output port and comprehensive control through a 4-wire microcontroller port. Channel status and user data are assembled in block-sized buffers, making read access easy. A low-jitter clock recovery mechanism yields a very clean recovered clock from the incoming AES3 stream. Standalone operation allows systems with no microcontroller to operate the CS8415A with dedicated output pins for channel status data. Target applications include audio/video receivers, CD-R, DVD receivers, multimedia speakers, digital mixing consoles, effects processors, set-top boxes, computers, and automotive audio systems.

Key Features

Complete EIAJ CP1201, IEC-60958, AES3, and S/PDIF compatible receiver

7:1 S/PDIF input mux

Flexible 3-wire, serial digital output port

8 kHz to 96 kHz sample frequency range

Low-jitter clock recovery

Pin and microcontroller read access to channel status and user data

Microcontroller and standalone modes

Differential cable receiver

On-chip channel status and user data buffer memories

Autodetection of compressed audio input streams

Decodes CD Q subcode

OMCK system clock mode

5 V analog supply (VA)

3 V to 5 V digital interface supply (VL)

Package: 28-pin SOIC, 28-pin TSSOP; option for lead-free assembly

Recommended For You

CS8406-CSZ

Cirrus Logic, Inc

SOP28

CS44800-CQZR

Cirrus Logic, Inc

LQFP

CS8416-DZZ

Cirrus Logic, Inc

TSSOP

CS8416-CZZ

Cirrus Logic, Inc

TSSOP28

CS8416-CSZ

Cirrus Logic, Inc

SOP28

CS8405A-CS

Cirrus Logic, Inc

SOP

CS495313-CVZ

Cirrus Logic, Inc

QFP

CS8406-DZZ

Cirrus Logic, Inc

TSSOP28

CS8420-DSZ

Cirrus Logic, Inc

SOP28

WM8281ECS/R

Cirrus Logic, Inc

W-CSP138

CS3318-CQZ

Cirrus Logic, Inc

LQFP48

CS44600-CQZ

Cirrus Logic, Inc

QFP

CS496122-CQZ

Cirrus Logic, Inc

QFP

CS49DV8C-CVZR

Cirrus Logic, Inc

LQFP

CS48DV2A-DQZ

Cirrus Logic, Inc

LQFP