
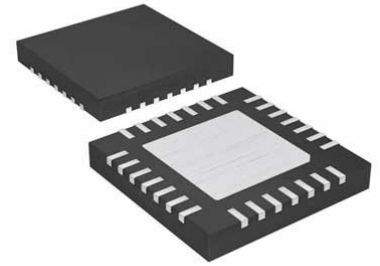


PCM Audio Codec 2ADC / 2DAC Ch Automotive 28-Pin QFN EP

Manufacturer:	Cirrus Logic, Inc
Package/Case:	QFN28
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

The WM8731 is a low power stereo codec with an integrated headphone driver. Stereo line and mono microphone level audio inputs are provided, along with a mute function, programmable line level volume control and a bias voltage output suitable for an electric type microphone. Digital audio input word lengths from 16-32 bits and sampling rates from 8 kHz to 96 kHz are supported. Stereo audio outputs are buffered for driving headphones from a programmable volume control, line level outputs are also provided along with anti-thump mute and power up/down circuitry. The device is controlled via a 2 or 3 wire serial interface. The interface provides access to all features including volume controls, mutes, de-emphasis and extensive power management facilities.

Key Features

Stereo audio codec with integrated headphone driver (50mW on 16Ω @ 3.3V)

1.42 – 3.6 V digital supply

2.7 – 3.6 V analog supply (standard)

1.8 – 3.6 V analog supply ('L' version)

Playback mode power consumption < 18mW

100 dB SNR ('A' weighted @ 48kHz) DAC

90 dB SNR ('A' weighted @ 48kHz) ADC

Sampling frequency: 8 – 96 kHz

Master or slave clocking mode

USB clocking mode can generate all common MP3 sample rates (incl. 441.kHz) directly from USB clock

Output volume and mute controls

Microphone input and electret bias with side tone mixer

Selectable ADC high pass filter

2 or three-wire MPU serial control interface

Programmable audio data interface modes

28-Pin SSOP package

Recommended For You

WM8974CGEFL/RV

Cirrus Logic, Inc

QFN24

WM8962BECSN/R

Cirrus Logic, Inc

WCSP-49

WM8994ECS/R

Cirrus Logic, Inc

WCSP-72

WM8944BECS/R

Cirrus Logic, Inc

WL CSP-25

WM8776SEFT/V

Cirrus Logic, Inc

LQFP48

WM8993ECS/RV

Cirrus Logic, Inc

BGA48

WM8770SIFT/V

Cirrus Logic, Inc

TQFP64

WM8915ECSN/R

Cirrus Logic, Inc

WCSP

WM8772SEDS/RV

Cirrus Logic, Inc

SSOP28

WM8980CGEFL/RV

Cirrus Logic, Inc

BGA

WM8778SEDS/V

Cirrus Logic, Inc

28-SSOP

WM8998ECS/R

Cirrus Logic, Inc

WLCSP117

WM8946ECS/R

Cirrus Logic, Inc

BGA

WM8904ECS/R

Cirrus Logic, Inc

WCSP-36

WM9713CLGEFL/V

Cirrus Logic, Inc

QFN-48