

Quad ADC, Dual DAC, Low Latency, Low Power Codec

Manufacturers

[Analog Devices, Inc](#)

Package/Case

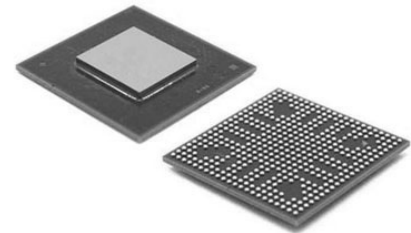
40-Lead LFCSP (6mm x 6mm w/ EP)

Product Type

Audio ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for ADAU1372BCPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADAU1372 is a codec with four inputs and two outputs, which incorporates asynchronous sample rate converters. Optimized for low latency and low power, the ADAU1372 is ideal for headsets, handsets, and headphones. The ADAU1372 has built-in programmable gain amplifiers (PGAs); thus, with the addition of just a few passive components and a crystal, the ADAU1372 provides a solution for headset audio needs. Microphone preamplifiers, ADCs, DACs, headphone amplifiers and serial ports for connections to an external DSP. Applications

Handsets, headsets, and headphones

Bluetooth handsets, headsets, and headphones

Personal navigation devices

Digital still and video cameras

Features

Low latency, 24-bit ADCs and DACs 102 dB SNR (signal through PGA and ADC with A-weighted filter)

107 dB dynamic range (through DAC and headphone with A-weighted filter)

Serial port sample rates from 8 kHz to 192 kHz

130 μ s analog-to-serial port latency, 1 kHz at>

4 single-ended analog inputs, configurable as microphone or line inputs

Dual stereo digital microphone inputs

Stereo analog audio output, single-ended or differential, configurable as either line output or headphone driver

PLL supporting any input clock rate from 8 MHz to 27 MHz

Full-duplex, asynchronous sample rate converters (ASRCs)

Power supplies Analog and digital input/output of 1.8 V to 3.3 V

I2C and SPI control interfaces for flexibility

5 Multi-function pins supporting dual stereo digital microphone inputs, mute, push-button volume controls

Application

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Related Products



[ADAU1452WBCPZ](#)

Analog Devices, Inc
LFCSP72



[AD1851RZ](#)

Analog Devices, Inc
SOP-16



[AD1836AS](#)

Analog Devices, Inc
QFP44



[ADAU1445YSVZ-3A](#)

Analog Devices, Inc
LQFP-100



[ADG884BCPZ](#)

Analog Devices, Inc
QFN-10



[AD73322ARZ](#)

Analog Devices, Inc
SOP-28



[AD6521ACA](#)

Analog Devices, Inc
QFN



[AD1845JST](#)

Analog Devices, Inc
QFP100