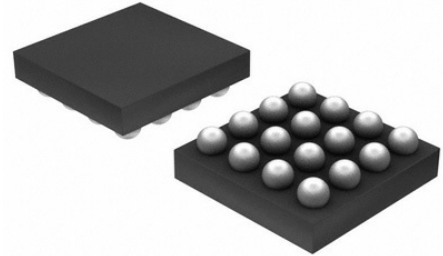


Audio Codec, Low Power Audio Codec, Stereo, 2, 2, -25 °C, 85 °C, 96 kSPS

Manufacturers	Renesas Technology Corp
Package/Case	34-UFBGA, WLCSP
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DA7218-00U32 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

High-performance, low-power audio codec

DA7218 is a high-performance, low-power audio codec optimized for use in portable applications or wearable devices. It has single-ended headphone outputs with headphone detect for use in accessories, offering excellent left to right channel separation and common mode noise rejection.

DA7218 also has a stereo DAC to headphone output path and ultra-low power operating modes to support always-on audio detect applications. It contains two analog microphone input paths, or up to four digital microphone input paths, or a combination of both. The other chip in this family, the DA7217 has differential headphone outputs without headphone detect, and has been designed for use inside headset devices.

Application: Headsets | Headphones | Portable Media Players | Audio Accessories

Features

High-performance stereo DAC to headphone playback path with 110dB dynamic range

4mW stereo playback power consumption

DAC digital filters with audio and voice mode options, five-band equalizer and five programmable biquad stages

Dedicated low-latency digital sideband filter with three programmable biquad stages

High-performance microphone to ADC record path with a 105dB dynamic range

2.5mW stereo record power consumption

ADC digital filters with audio and voice mode options

500µW always-on record mode with automatic level detection

Hybrid analog/digital automatic level control to dynamically control the record level

Shutdown mode offering current consumption during standby of 2.5µA

Two low noise microphone bias regulators with programmable output voltage and ultra-low power mode

Ability to differentiate between stereo and mono headsets

Automatic detection of headset removal and confirmation of headset insertion

Application

Wired headsets

Wired headphones

Audio accessories

Portable gaming controller

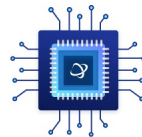
Tablets and eReaders

Related Products



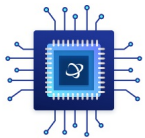
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Renesas Technology Corp
FBGA-176



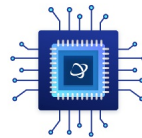
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Renesas Technology Corp



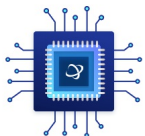
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Renesas Technology Corp



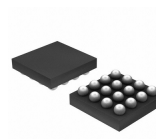
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Renesas Technology Corp



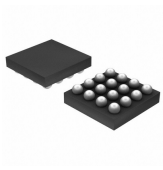
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Renesas Technology Corp



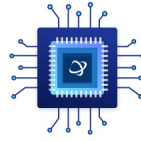
[DA7211-01UA6](#)

Renesas Technology Corp
36-UFBGA, WLCSP



[DA7211-01UA2](#)

Renesas Technology Corp
36-UFBGA, WLCSP



[DA7283-01FV2](#)

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