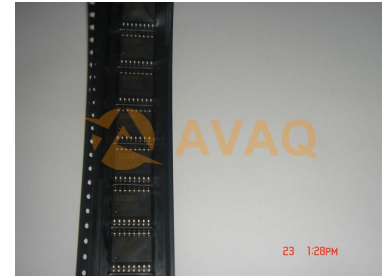



Audio Amp Speaker 2-CH Stereo Class-AB Automotive 16-Pin SOIC Tube



Images are for reference only

[Inquiry](#)

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP16
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The PGA2311 device is a high-performance, stereo audio volume control designed for professional and high-end consumer audio systems. The PGA2311 uses an internal high-performance operational amplifier to yield low noise and distortion. The PGA2311 also provides the capability to drive 660-Ω loads directly without buffering. The 3-wire serial control interface allows for connection to a wide variety of host controllers, in addition to support for daisy-chaining of multiple PGA2311 devices.

Key Features

Digitally-Controlled Analog Volume Control:
Two Independent Audio Channels

Serial Control Interface

Zero Crossing Detection

Mute Function

Wide Gain and Attenuation Range: +31.5 dB to -95.5 dB with 0.5-dB Steps

Low Noise and Distortion:
120-dB Dynamic Range

0.0004% THD+N at 1 kHz (U-Grade)

0.0002% THD+N at 1 kHz (A-Grade)

Noise-Free Level Transitions

Low Interchannel Crosstalk: -130 dBFS

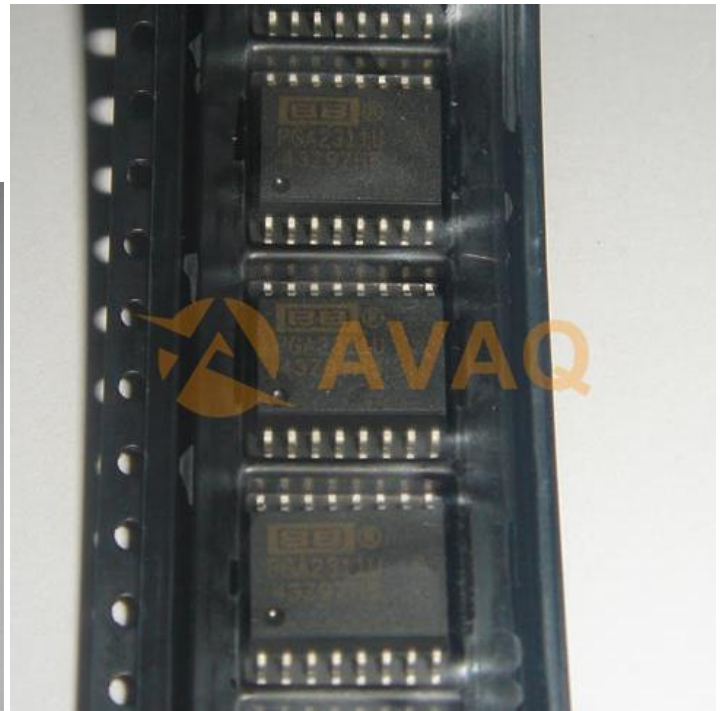
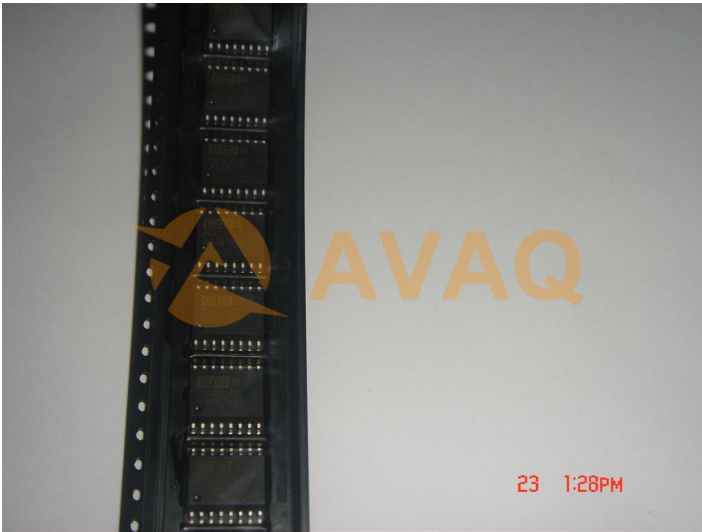
Power Supplies: ±5-V Analog, +5-V Digital

Available in PDIP-16 and SOIC-16 Packages

Pin- and Software-Compatible With the Crystal CS3310

Application

Audio, Automotive, Industrial



Recommended For You

PGA2320IDW

Texas Instruments, Inc

SOP16

PGA2310UA

Texas Instruments, Inc

SOP16

PGA2310PA

Texas Instruments, Inc

DIP16

PGA4311UA

Texas Instruments, Inc

SOP28

PGA4311U

Texas Instruments, Inc

SOP28

PGA2500IDBR

Texas Instruments, Inc

SSOP28

PGA2310UA/1K

Texas Instruments, Inc

SOP16

PCMI798DB

Texas Instruments, Inc

SSOP28

PCMI681PWPR

Texas Instruments, Inc

HTSSOP28

PCMI863DBT

Texas Instruments, Inc

TSSOP30

TAS5142DKD

Texas Instruments, Inc

HSSOP36

PCMI789PW

Texas Instruments, Inc

TSSOP24

LM833DR

Texas Instruments, Inc

SOP-8

DRV134UA

Texas Instruments, Inc

SOP16

TAS5717PHPR

Texas Instruments, Inc

HTQFP48