
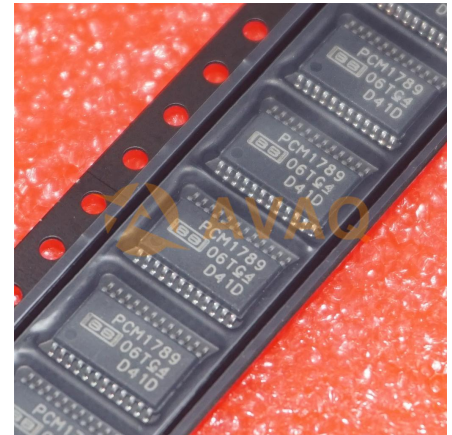


DAC 2-CH Delta-Sigma 24-bit 24-Pin TSSOP Tube

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	TSSOP24
Product Type:	Data Conversion ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

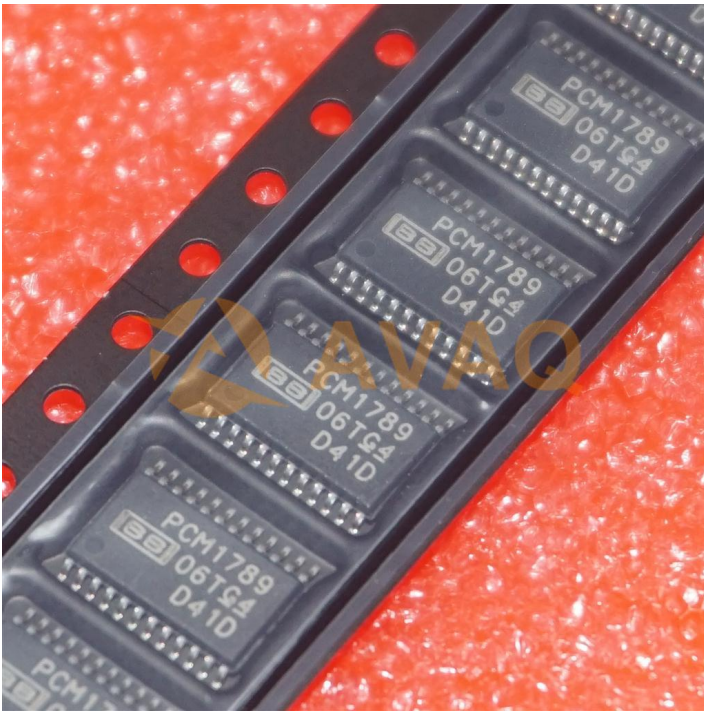
General Description

The PCM1789 is a high-performance, single-chip, 24-bit, stereo, audio digital-to-analog converter (DAC) with differential outputs. The two-channel, 24-bit DAC employs an enhanced multi-level, delta-sigma ($\Delta\Sigma$) modulator, and supports 8 kHz to 192 kHz sampling rates and a 16-, 20-, 24-, 32-bit width digital audio input word on the audio interface. The audio interface of PCM1789 supports a 24-bit, DSP format in addition to I²S, left-justified, and right-justified formats.

The PCM1789 can be controlled through a three-wire, SPI-compatible or two-wire, I²C-compatible serial interface in software, which provides access to all functions including digital attenuation, soft mute, de-emphasis, and so forth. Also, hardware control mode provides two user-programmable functions through two control pins. The PCM1789 is available in a 24-pin TSSOP package.

Key Features

- Differential voltage output - 8VPP
- 4x/8x Oversampling digital filter
- Flexible audio interface
- Flexible mode control
- Connect up to 4 devices on one SPI bus
- Digital attenuation and soft mute
- Data polarity control
- Power-save mode
- Multi functions via hardware control
- Analog mute by clock halt detection
- External reset pin
- Green product and no Sb/Br



Recommended For You

PCM1798DB

Texas Instruments, Inc
SSOP28

PCM1681PWPR

Texas Instruments, Inc
HTSSOP28

PCM1863DBT

Texas Instruments, Inc
TSSOP30

PCM1789PWR

Texas Instruments, Inc
TSSOP24

PCM1864DBIR

Texas Instruments, Inc
TSSOP30

PCM1793DB

Texas Instruments, Inc
SSOP

PCM56U

Texas Instruments, Inc
SOP16

PCM2704DBR

Texas Instruments, Inc
SSOP28

PCM1725U

Texas Instruments, Inc
SOP14

PCM5100APWR

Texas Instruments, Inc
TSSOP20

PCM9211PTR

Texas Instruments, Inc
LQFP48

PCM1808PW

Texas Instruments, Inc
TSSOP14

PCM1808PWR

Texas Instruments, Inc
TSSOP14

PCM1808QPWRQ1

Texas Instruments, Inc
TSSOP14

PCM1681TPWPRQ1

Texas Instruments, Inc
HTSSOP28