


HDMI/DVI Transmitter 1TX 80-Pin LQFP Tray

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	QFP
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The AD9889 is an 80 MHz, high-definition multimedia interface(HDMI/TM1.1) transmitter. It supports HDTV formats up to 1080i and 720p, and graphic resolutions up to XGA(1024x768 @75 Hz). With the inclusion of HDCP, the AD9889 allows the secure transmission of protected content as specified by the HDCP 1.1 protocol.

The AD9889 supports both S/PDIF and 8-channel S audio. Its high fidelity 8-channel FS can transmit either stereo or 7.1 surround audio at 192 kHz. The S/PDIF can carry stereo LPCM(linear pulse code modulation) audio or compressed audio including Dolby"Digital, DTS", and THX".

Key Features

HDMI/DVI transmitter compatible with HDMI 1.1 and HDCP 1.1

Single 1.8 V power supply Video/audio inputs are 3.3 V tolerant

80-lead, Pb-free LQFP Digital video

80 MHz operation supports all video formats from 480i to

1080i and 720p Programmable 2-way color space converter Supports RGB, YCbCr, DDR, ITU656 formats Auto input video format detection Digital audio Supports standard S/PDIF for stereo or compressed audio up to 192kHz

8-channel LPCM PS audio up to 192kHz Special features for easy system design On-chip MPU to perform HDCP operations On-chip PC master to handle EDID reading

5V tolerant PC and MPD I/Os, no extra device needed No audio master clock needed for S/PDIF support

Application

DVD players and recorders

Digital set-top boxes
AV receivers

Digital cameras and camcorders



Recommended For You

ADV7612BSWZ

Analog Devices, Inc
LQFP100

ADV7533BCBZ-RL

Analog Devices, Inc
WLCSP49

ADA4432-1BRJZ-R2

Analog Devices, Inc
SOT23-6

ADA4412-3ARQZ

Analog Devices, Inc
QSOP20

AD7755ARS

Analog Devices, Inc
SSOP

ADV7611BSWZ-P

Analog Devices, Inc
LQFP64

ADV7611BSWZ

Analog Devices, Inc
LQFP64

AD8116JST

Analog Devices, Inc
QFP

ADV7162KSZI40

Analog Devices, Inc
160-PQFP

AD9389BBSTZ-165

Analog Devices, Inc
QFP

ADV7612WBSWZ

Analog Devices, Inc
LQFP100

AD9889BBCPZ-165

Analog Devices, Inc
LFCSP-64

ADV7850KBCZ-5

Analog Devices, Inc
BGA

AD534LH

Analog Devices, Inc
CAN10

ADA4430-1YKSZ-R7

Analog Devices, Inc
SC70-6