


HDMI Transceiver 1TX 1RX 144-Pin LQFP Tray

Manufacturer:	Analog Devices, Inc
Package/Case:	TQFP144
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ADV7622 supports all mandatory 3D TV formats in addition to all HDTV formats up to 1080p 36-bit Deep Color. The ADV7622 also features an integrated CEC controller that supports capability discovery and control (CDC).

The ADV7622 offers a dedicated flexible audio output port and a dedicated audio input port to allow for easy extraction and insertion of audio data into and out of the HDMI stream. All HDMI audio formats, including SACD via DSD, compressed SACD via DST, and HBR audio, are supported. The ADV7622 also features an audio return channel (ARC) receiver. ARC simplifies cabling by combining upstream audio capability in a conventional HDMI cable.

Fabricated in an advanced CMOS process, the ADV7622 is provided in a 144-lead, 20 mm × 20 mm LQFP, Pb-free package and is specified over the -20°C to +70°C temperature range.

Key Features

4-input, 1-output HDMI transceiver

HDMI® 1.4 support Audio Return Channel (ARC) 3D TV support Content Type Bits CEC 1.4-compatible (CEC_CPD and CEC_HPD)

High-Bandwidth Digital Content Protection (HDCP 1.4)

HDCP repeater support

225 MHz HDMI Rx and Tx support 36/30/24-bit Deep Color

Supports DVI RGB graphics up to 1600 × 1200 at 60 Hz

Application

AVR

HTiB

Sound bar with HDMI repeater support

HBR enabled TVs

Other repeater applications



Recommended For You

ADMB490EARZ

Analog Devices, Inc

SOP-8

ADuMB160BRWZ-RL

Analog Devices, Inc

SOP16

ADMB232EARUZ

Analog Devices, Inc

TSSOP-16

ADuM5211ARSZ

Analog Devices, Inc

SSOP20

ADuMI201BRZ-RL7

Analog Devices, Inc

SOP8

ADV7623BSTZ

Analog Devices, Inc

LQFP144

ADuMI410BRWZ

Analog Devices, Inc

SOP16

AD698APZ

Analog Devices, Inc

PLCC28

ADMB251EARWZ

Analog Devices, Inc

SOP20

ADM485ANZ

Analog Devices, Inc

DIP

ADuM6400ARWZ

Analog Devices, Inc

SOP16

ADuMI281BRZ

Analog Devices, Inc

SOP8

ADUMI42E0BRZ

Analog Devices, Inc

SOP-16

ADuMI412BRWZ

Analog Devices, Inc

SOP16

ADAU1328BSTZ

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QFP