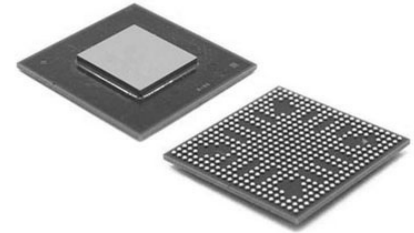


1:1 HDMI/DVI Buffer with Equalization; Package: LFCSP (6x6mm w/4.1mm pad); No of Pins: 40; Temperature Range: Industrial

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-40
Product Type	Equalizers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD8195ACPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8195 is an HDMI™/DVI buffer featuring equalized TMDS inputs and preemphasized TMDS outputs, ideal for systems with long cable runs. The AD8195 includes bidirectional buffering for the DDC bus and bidirectional buffering with integrated pull-up resistors for the CEC bus. The DDC and CEC buffers are powered independently of the TMDS buffers so that DDC/CEC functionality can be maintained when the system is powered off. The AD8195 is specified to operate over the -40°C to +85°C temperature range. **Product Highlights**

Enables a fully HDMI 1.3a-compliant front panel input.

Supports data rates up to 2.25 Gbps, enabling 1080p deep color (12-bit color)

HDMI formats and greater than UXGA (1600 × 1200) DVI resolutions.

Input cable equalizer enables use of long cables; more than 20 meters (24 AWG)

at data rates up to 2.25 Gbps.

Auxiliary buffer isolates and buffers the DDC bus and CEC line for a single chip,

fully HDMI 1.3a-compliant solution.

Auxiliary buffer is powered independently from the TMDS link so that DDC/CEC

functionality can be maintained when the system is powered off.

Applications

Front panel buffers for advanced television (HDTV) sets

Features

One input, one output HDMI/DVI link

Enables HDMI 1.3a compliant front-panel input

Four TMDS channels per link Supports 250 Mbps to 2.25 Gbps data rates

Standards compatible: HDMI, DVI, HDCP, DDC, CEC

40-lead LFCSP_VQ package (6 mm × 6 mm)

See Data Sheet for Additional Information

Application

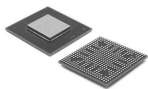
Front panel buffers for advanced television (HDTV) sets

Related Products



[AD8197AASTZ](#)

Analog Devices, Inc
LQFP-100



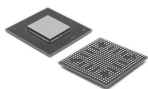
[AD8124ACPZ](#)

Analog Devices, Inc
LFCSP-40



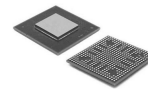
[AD8197BASTZ-RL](#)

Analog Devices, Inc
100-LQFP



[AD8192ACPZ-RL7](#)

Analog Devices, Inc
LFCSP-56



[AD8124ACPZ-R7](#)

Analog Devices, Inc
LFCSP-40



[ADV3002BSTZ-RL](#)

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80-LQFP



[AD8197BASTZ](#)

Analog Devices, Inc
LQFP100



[MAX3815CCM+TD](#)

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TQFP48