ADN4667ARZ

LVDS Driver 400Mbps 0.45V 16-Pin SOIC N Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	SOP16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

Images are for reference only

Inquiry

General Description

The device accepts low voltage TTL/CMOS logic signals and converts them to a differential current output of typically ±3.1 mA for driving a transmission medium such as a twisted pair cable. The transmitted signal develops a differential voltage of typi- cally ±310 mV across a termination resistor at the receiving end. This is converted back to a TTL/CMOS logic level by an LVDS receiver, such as the ADN4668.

The ADN4667 also offers active high and active low enable/ disable inputs (EN and EN). These inputs control all four drivers and turn off the current outputs in the disabled state to reduce the quiescent power consumption to typically 10 mW.

The ADN4667 and its companion LVDS receiver, the ADN4668, offer a new solution to high speed, point-to-point data trans- mission, and a low power alternative to emitter-coupled logic (ECL) or positive emitter-coupled logic (PECL).

Key Features

400 Mbps (200 MHz) switching rates

Flow-through pinout simplifies PCB layout

300 ps typical differential skew

400 ps maximum differential skew

1.7 ns maximum propagation delay

3.3 V power supply

See Data Sheet for Additional Information

Application

Backplane data transmission

Cable data transmission

Clock distribution

Data Sheet, Rev. A, 5/08

Recommended For You

ADM3490EARZ

Analog Devices, Inc

SOP-8

ADuM3160BRWZ-RL

Analog Devices, Inc

SOP16

ADM3232EARUZ

Analog Devices, Inc

TSSOP-16

ADuM5211ARSZ

Analog Devices, Inc

SSOP20

ADuM1201BRZ-RL7

Analog Devices, Inc

SOP8

ADV7623BSTZ

Analog Devices, Inc

LQFP144

ADuM1410BRWZ

Analog Devices, Inc

SOP16

AD698APZ

Analog Devices, Inc

PLCC28

ADM3251EARWZ

Analog Devices, Inc

SOP20

ADM485ANZ

Analog Devices, Inc

DIP

ADuM6400ARWZ

Analog Devices, Inc

SOP16

ADuM1281BRZ

Analog Devices, Inc

SOP8

ADUM142E0BRZ

Analog Devices, Inc

SOP-16

ADuM1412BRWZ

Analog Devices, Inc

SOP16

ADV7622BSTZ

Analog Devices, Inc

TQFP144