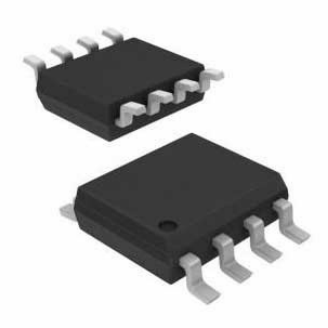
DS90LV028AQMA/NOPB

LVDS Receiver 400Mbps Automotive 8-Pin SOIC Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP-8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The DS90LV028AQ is a dual CMOS differential line receiver designed for applications requiring ultra low power dissipation, low noise and high data rates. The device is designed to support data rates in excess of 400 Mbps (200 MHz) utilizing Low Voltage Differential Signaling (LVDS) technology.
The DS90LV028AQ accepts low voltage (350 mV typical) differential input signals and translates them to 3 V CMOS output levels. The DS90LV028AQ has a flow-through design for easy PCB layout.
The DS90LV028AQ and companion LVDS line driver DS90LV027AQ provide a new alternative to high power PECL/ECL devices for high speed point-to-point interface applications.

Key Features

AECQ-100 Qualified for Automotive Applications
Temperature Grade 1: -40°C to +125°C T_A

>400 Mbps (200 MHz) Switching Rates

50 ps Differential Skew (Typical)

0.1 ns Channel-to-Channel Skew (Typical)

2.5 ns Maximum Propagation Delay

3.3V Power Supply Design

Flow-Through Pinout

Power Down High Impedance on LVDS Inputs

Low Power design (18 mW at 3.3 V static)

LVDS Inputs Accept LVDS/CML/LVPECL Signals

Conforms to ANSI/TIA/EIA-644 Standard

Available in SOIC Package

Recommended For You

SN65LVDS3486D

Texas Instruments, Inc

SOP-16

SN65LVDS3487D

Texas Instruments, Inc

SOP16

DS90C032TM

Texas Instruments, Inc

SOP16

DS90C031BTM

Texas Instruments, Inc

SOP16

SN65LVDS31PW

Texas Instruments, Inc

TSSOP-16

SN65LVDS33D

Texas Instruments, Inc

SOP-16

SN65LVDS32D

Texas Instruments, Inc

SOP-16

SN65LVDS31D

Texas Instruments, Inc

SOP

SN65LVDS32PW

Texas Instruments, Inc

TSSOP16

DS90UB954TRGZTQ1

Texas Instruments, Inc

QFN48

DS90UB954TRGZRQ1

Texas Instruments, Inc

VQFN48

SN65DSI83TPAPRQ1

Texas Instruments, Inc

HTQFP-64

DS90UB947TRGCTQ1

Texas Instruments, Inc

VQFN-64

DS90LV011AQMF/NOPB

Texas Instruments, Inc

SOT23-5

DS90UB924TRHSTQ1

Texas Instruments, Inc

WQFN-48