

3.3 V LVDS, 1-Bit, High-Speed Differential Driver

FIN1017

General Description

This single driver is designed for high-speed interconnects utilizing Low Voltage Differential Signaling (LVDS) technology. The driver translates LVTTTL signal levels to LVDS levels with a typical differential output swing of 350 mV, which provides low EMI at ultra-low power dissipation even at high frequencies. This device is ideal for high-speed transfer of clock or data.

The FIN1017 can be paired with any other LVDS receiver.

Features

- Greater than 600 Mbs Data Rate
- 3.3 V Power Supply Operation
- 0.5 ns Maximum Differential Pulse Skew
- 1.5 ns Maximum Propagation Delay
- Low Power Dissipation
- Power-Off Protection
- Meets or Exceeds the TIA/EIA-644 LVDS Standard
- Flow-Through Pinout Simplifies PCB Layout
- 8-Lead SOIC Package Saves Space
- This Device is Pb-Free, Halide Free and is RoHS Compliant

PIN CONFIGURATION

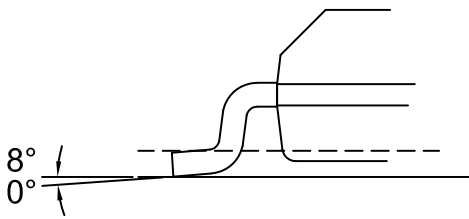
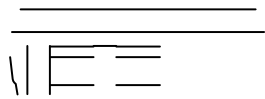
Pin# SOIC	Name	Description
2	DIN	LVTTTL Data Input
7	DOUT+	Non-inverting Driver Output
8	DOUT-	Inverting Driver Output
1	V	

THI
DISCONTINUED

DISC
SERVICE

SOIC8
CASE 751EB
ISSUE A

DATE 24 AUG 2017



onsemi, **onsemi**, and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "**onsemi**" or its affiliates and/or subsidiaries in the United States and/or other countries. **onsemi** owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of **onsemi**'s product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. **onsemi** reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and **onsemi** makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using **onsemi**
