


LVDS Driver/Receiver 100Mbps 0.65V 8-Pin SOIC Tube

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	SOP8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

The SN65MLVD2 and SN65MLVD3 are single-channel M-LVDS receivers. These devices are designed in full compliance with the TIA/EIA-899 (M-LVDS) standard, which are optimized to operate at signaling rates up to 250 Mbps. Each receiver channel is controlled by a receive enable (RE). When RE = low, the corresponding channel is enabled; when RE = high, the corresponding channel is disabled.

The M-LVDS standard defines two types of receivers, designated as Type-1 and Type-2. Type-1 receivers (SN65MLVD2) have thresholds centered about zero with 25 mV of hysteresis to prevent output oscillations with loss of input; Type-2 receivers (SN65MLVD3) implement a failsafe by using an offset threshold. Receiver outputs are slew rate controlled to reduce EMI and crosstalk effects associated with large current surges.

The devices are characterized for operation from -40°C to 85°C.

Key Features

Controlled driver output voltage transition times for improved signal quality

Type-1 receiver incorporate 25mV of hysteresis

Type-2 receiver provide an offset (100mV) threshold to detect open-circuit and idle-bus conditions

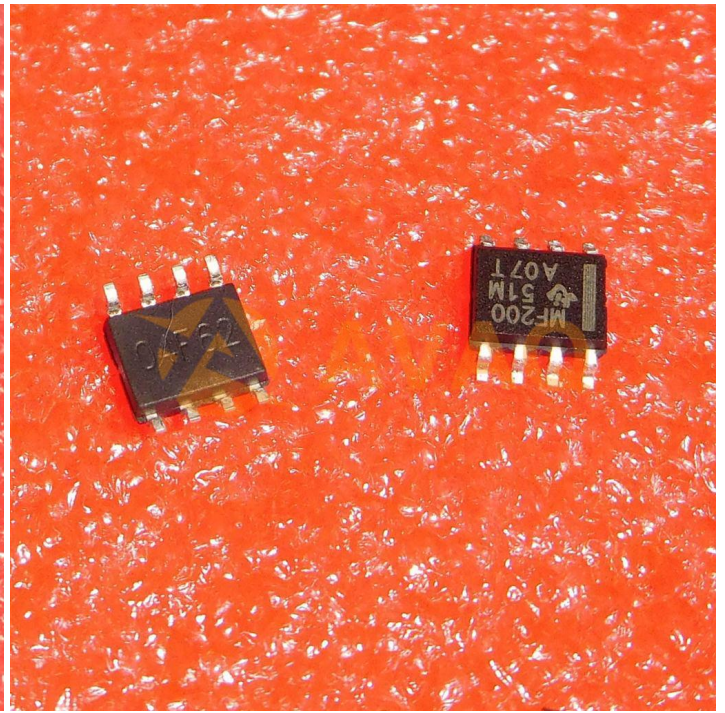
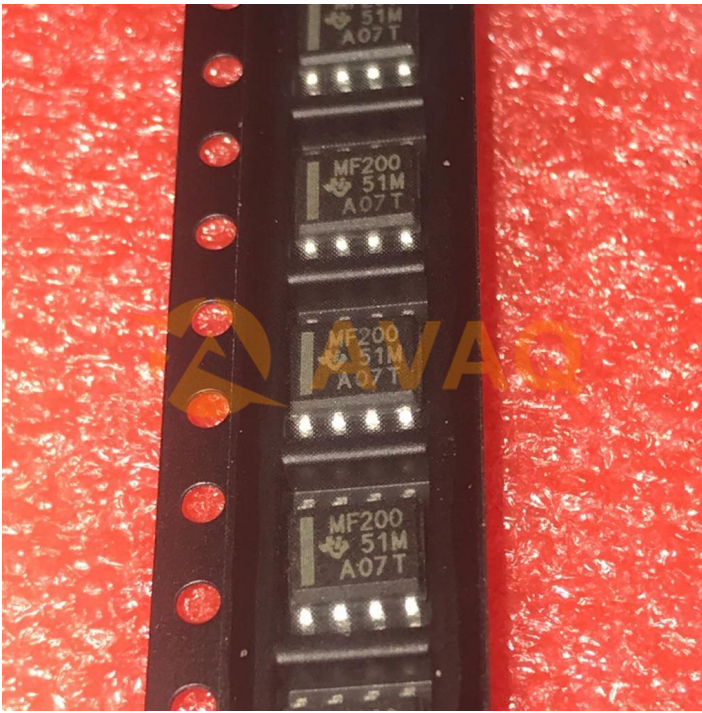
Propagation delay time typically 2.3ns for drivers and 5ns for receivers

Power-up/down glitch-free driver

Driver handles operation into a continuous short circuit without damage

Bus pins high impedance when disabled or $V_{CC} \leq 1.5V$

Green product and no Sb/Br



Recommended For You

SN65LV1224BDBR

Texas Instruments, Inc
SSOP28

SN75173N

Texas Instruments, Inc
DIP

SN65LBC179D

Texas Instruments, Inc
SOP8

SN75176AD

Texas Instruments, Inc
SOP-8

SN65LVDS3486D

Texas Instruments, Inc
SOP-16

SN65HVD33MDREP

Texas Instruments, Inc
SOP-14

SN65LVDS3487D

Texas Instruments, Inc
SOP16

SN65LBC175AD

Texas Instruments, Inc
SOP-16

SN65LVDS31PW

Texas Instruments, Inc
TSSOP-16

SN75176AP

Texas Instruments, Inc
DIP8

SN65LVDS33D

Texas Instruments, Inc
SOP-16

SN65LVDS32D

Texas Instruments, Inc
SOP-16

SN65LVDS31D

Texas Instruments, Inc
SOP

SN75175D

Texas Instruments, Inc
SOP

SN75175N

Texas Instruments, Inc
DIP