

Multiplexer/Demultiplexer Bus Switch 1-Element CMOS 8-IN 16-Pin TSSOP T/R



Images are for reference only

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: TSSOP16

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The SN74CBTLV3257 device is a 4-bit 1-of-2 high-speed FET multiplexer/demultiplexer. The low on-state resistance of the switch allows connections to be made with minimal propagation delay.

The select (S) input controls the data flow. The FET multiplexers/demultiplexers are disabled when the output-enable (OE) input is high.

This device is fully specified for partial-power-down applications using Ioff. The Ioff feature ensures that damaging current will not backflow through the device when it is powered down. The device has isolation during poweroff.

To ensure the high-impedance state during power up or power down, OE should be tied to VCC through a pullup resistor; the minimum value of the resistor is determined by the current-sinking capability of the driver.

Key Features

5-Ω Switch Connection Between Two Ports

Rail-to-Rail Switching on Data I/O Ports

Ioff Supports Partial-Power-Down Mode Operation

Latch-Up Performance Exceeds 100 mA Per JESD78, Class II

ESD Protection Exceeds JESD 22
2000-V Human-Body Model (A114-A)

200-V Machine Model (A115-A)

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Recommended For You

SN74S38N

Texas Instruments, Inc
DIP

SN7438N

Texas Instruments, Inc
DIP14

SN75462P

Texas Instruments, Inc
DIP8

SN74F08D

Texas Instruments, Inc
SOP-14

SN74LS257BN

Texas Instruments, Inc
DIP16

SN75452BP

Texas Instruments, Inc
DIP8

SN74LS245DW

Texas Instruments, Inc
SOP20

SN74LS74AN

Texas Instruments, Inc
DIP

SN74S74N

Texas Instruments, Inc
DIP

SN7406N

Texas Instruments, Inc
DIP-14

SN74CBTLV3257D

Texas Instruments, Inc
SOP-16P

SN74HC138DR

Texas Instruments, Inc
SOP16

SN74LS14N

Texas Instruments, Inc
DIP

SN74HC139N

Texas Instruments, Inc
DIP

SN74AVC16T245DGGR

Texas Instruments, Inc
TSSOP48