

Buffer 2.5V/3.3V 8-Pin VSSOP T/R

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: MSOP8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The PCA9515B is a BiCMOS dual bidirectional buffer integrated circuit intended for I2C bus and SMBus applications. The device contains two identical bidirectional open-drain buffer circuits that enables I2C and similar bus systems to be extended (or add slaves) without degrading system performance. The dual bidirectional I2C buffer is operational at 2.3 V to 3.6 V VCC.

The PCA9515B buffers both the serial data (SDA) and serial clock (SCL) signals on the I2C bus, while retaining all the operating modes and features of the I2C system. The device allows two buses, of 400-pF bus capacitance, to be connected in an I2C application.

Key Features

Two-Channel Bidirectional Buffers

I2C Bus and SMBus Compatible

Support for I2C Standard Mode (100-kHz) and

Fast Mode (400-kHz)

Active-High Repeater-Enable Input

Open-Drain I2C Input and Output

5.5-V Tolerant I2C Input and Output and

Enable Input Support Mixed-Mode Signal Operation

Lockup-Free Operation

Accommodates Standard Mode, Fast Mode I2C

Devices, and Multiple Masters

Supports Arbitration and Clock Stretching Across

Repeater

Powered-Off High-Impedance I2C Pins

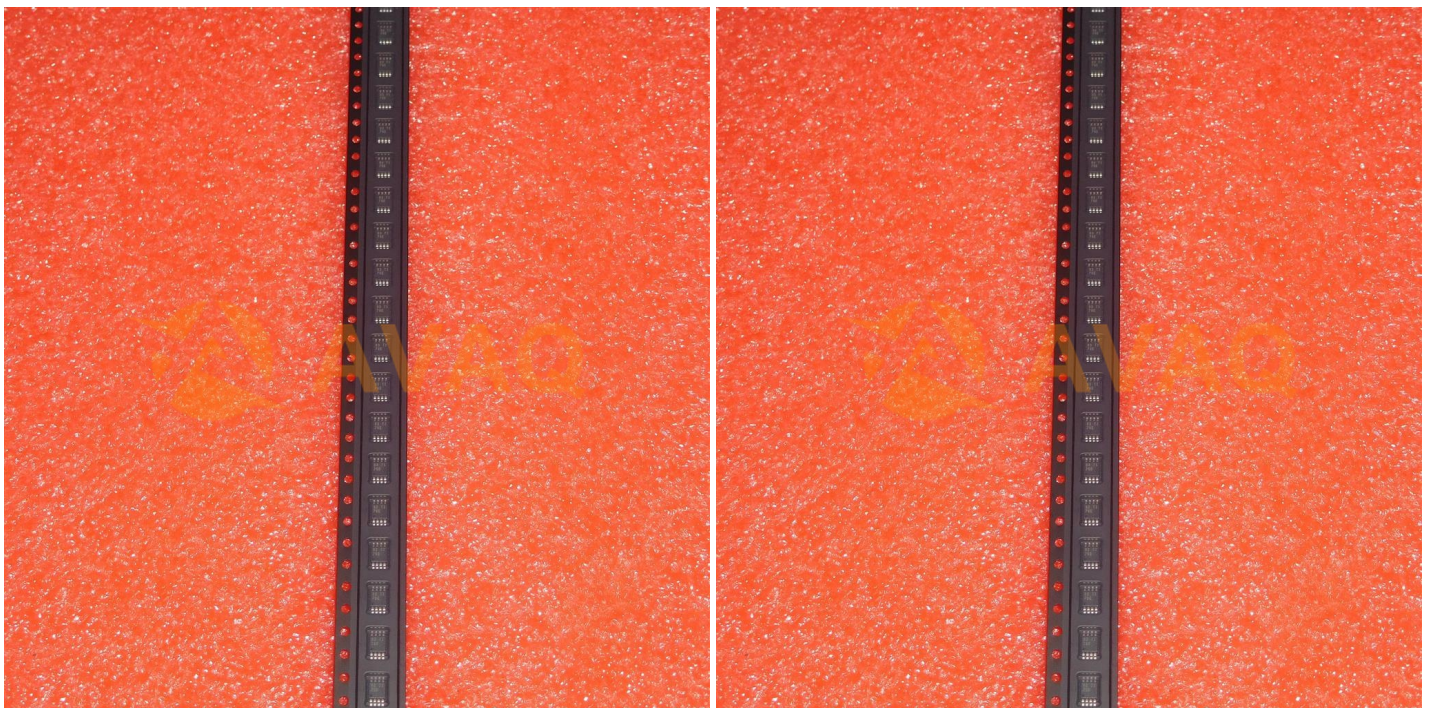
Latch-Up Performance Exceeds 100-mA Per

JESD 78, Class I

ESD Protection Exceeds JESD 22

2000-V Human-Body Model (A114-A)

1000-V Charged-Device Model (C101)



Recommended For You

PCA9534APWR

Texas Instruments, Inc
TSSOP16

PCA9557PW

Texas Instruments, Inc
TSSOP16

PCA9538PWR

Texas Instruments, Inc
TSSOP16

PCA9515AD

Texas Instruments, Inc
SOP8

PCM2904DB

Texas Instruments, Inc
SSOP

PCMB000E

Texas Instruments, Inc
SSOP28

PCF8574N

Texas Instruments, Inc
DIP16

PCMB500E

Texas Instruments, Inc
SSOP24

PCF8574RGTR

Texas Instruments, Inc
QFN16

PCI2050PDV

Texas Instruments, Inc
QFP208

PCA9539DW

Texas Instruments, Inc
SOIC(DW)

PCI1510GGU

Texas Instruments, Inc
BGA144

PCM2900CDBR

Texas Instruments, Inc
SSOP28

PCF8575PWR

Texas Instruments, Inc
TSSOP24

PCI2050BPDV

Texas Instruments, Inc
QFP208