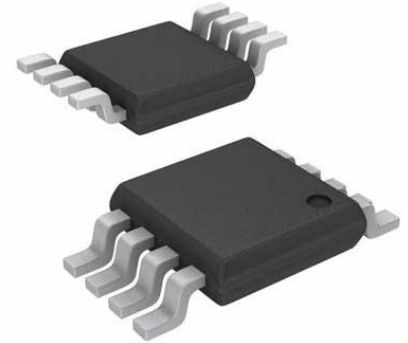


Level Translating Fast-Mode Plus I2C-bus/SMBus Repeater



Images are for reference only

[Inquiry](#)

Manufacturer: [Diodes Inc](#)

Package/Case: MSOP8

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

Key Features

2 channel, bidirectional buffer isolates capacitance and allows 540pF on either side of the device at 1 MHz and up to 4000 pF at lower speeds

Voltage level translation from 0.6V to 5.5V and from 2.2V to 5.5V

Footprint and functional replacement for PI6ULS5V9617A at Fast-mode speeds

Port A operating supply voltage range of 0.6V to 5.5V with normal levels($0.4V_{CC(A)} + 0.8V \leq V_{CC(B)}$)

Port B operating supply voltage range of 2.2V to 5.5V with static offset level

5V tolerant I2C-bus and enable pins

0 Hz to 1 MHz clock frequency (the maximum system operating frequency may be less than 1MHz because of the delays added by the repeater)

Active HIGH repeater enable input referenced to VCC(B)

Open-drain input/outputs

Latching free operation

Supports arbitration and clock stretching across the repeater

Accommodates Standard-mode, Fast-mode and Fast-mode Plus I2C-bus devices, SMBus (standard and high power mode), PMBus and multiple masters

Powered-off high-impedance I2C-bus pins

ESD protection exceeds 8000V HBM per JESD22- A114

Package: MSOP-8L, SOIC-8L and TDFN2x3-8L

Recommended For You

PI7C8150BMAE

Diodes Inc

QFP208

PI7C8154BNAE

Diodes Inc

BGA

PI7C8150BNDE

Diodes Inc

BGA

PI7C9X112SLFDE

Diodes Inc

QFP

PI7C9X2G404EVAZXAEX

Diodes Inc

VFQFN136

PI7C9X2G304SLBFDEX

Diodes Inc

LQFP128

PI4IOE5V9535LEX

Diodes Inc

TSSOP24

PI3EQX8904ZHEX

Diodes Inc

QFN

PI7C9X2G304ELZXAE

Diodes Inc

QFN

PI7C9X2G404SLBFDEX

Diodes Inc

LQFP-128

PI4IOE5V6408ZTAEX

Diodes Inc

16-UFQFN

PI7C9X2G304SLBFDE

Diodes Inc

LQFP-128

PI7C9X3G606GPBFCAEX

Diodes Inc

TQFN40

PI7C8154ANA E

Diodes Inc

BGA

PI3PCIE3242AZLEX

Diodes Inc

TQFN30