
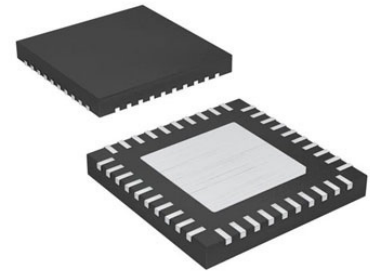


3.3V, USB3.0/DP1.2 6:4 Matrix Switch

Manufacturer:	Diodes Inc
Package/Case:	TQFN40
Product Type:	Interface ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Obsolete



Images are for reference only

[Inquiry](#)

General Description

The PI3USB30532ZLEX is a high-speed multiplexer switch designed for USB 3.0 and DisplayPort 1.2 applications. It allows for the selection and switching between two input channels to a single output channel.

Key Features

USB 3.0 and DisplayPort 1.2 Support: The PI3USB30532ZLEX is specifically designed to support high-speed USB 3.0 and DisplayPort 1.2 signals, enabling data transfer and video display functionality.

2:1 Multiplexer: It features a 2:1 multiplexer configuration, allowing for the selection of two input channels to be routed to a single output channel.

High-Speed Data Switching: The multiplexer switch is capable of handling high-speed data rates, ensuring reliable and low-latency signal transmission.

Low ON Resistance: It features low ON resistance, minimizing signal attenuation and distortion when the switch is in the "ON" state.

Low Power Consumption: It is designed to have low power consumption, making it suitable for battery-operated and low-power applications.

ESD Protection: The multiplexer switch incorporates built-in electrostatic discharge (ESD) protection, helping to safeguard against damage from static electricity.

Application

USB Switching

DisplayPort Switching

Portable Devices

Audio/Video Switching

Computer Peripherals

Recommended For You

PI4MSD5V9546AZYEX

Diodes Inc

QFN

PI5USB30213XEAEX

Diodes Inc

QFN24

PI3B3257AQE

Diodes Inc

QSOP16

PI3L301DAEX

Diodes Inc

TSSOP-48

PI3USB102ZLEX

Diodes Inc

TQFN10

PI3USB221EZUAEX

Diodes Inc

QFN10

PI3USB32212ZLEX

Diodes Inc

QFN

PI2PCIE2422ZHE

Diodes Inc

QFN

PI3USB221EZWEX

Diodes Inc

UDFN3030-10

PI3A27518ZDEX

Diodes Inc

QFN

PI3PCIE3412AZHEX

Diodes Inc

TQFN-42

PI2PCIE2412ZHE

Diodes Inc

QFN

PI3DBS16222ZLEX

Diodes Inc

QFN

PI3PCIE3412ZHE

Diodes Inc

QFN

PI4MSD5V9546ALEX

Diodes Inc

TSSOP