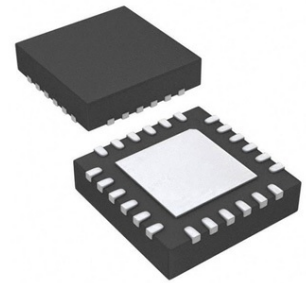


Super Speed USB Interface Device USB 3.0 3.3V T/R 20-Pin TQFN EP



Images are for reference only

[Inquiry](#)

Manufacturer: [Diodes Inc](#)

Package/Case: TQFN20

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

PI3USB302-A is a 2-differential channel bi-directional multiplexer/demultiplexer switch. Due to its low bit-to-bit skew, high channel-to-channel noise isolation and bandwidth, this product is ideal for USB 3.0 signal switching at 5.0 Gbps.

Key Features

2 Differential Channel, 2:1 Mux/DeMux

USB 3.0 SuperSpeed switch

Bi-directional operation

Low Bit-to-Bit Skew, 10 ps max

Low channel-to-channel skew: 20 ps max

Low insertion loss: 1 dB @ 2.5 GHz (5.0 Gbps)

Low Crosstalk: 33 dB @ 2.5 GHz (5.0 Gbps)

Low Off Isolation: 27 dB @ 2.5 GHz (5.0 Gbps)

VDD Operating Range: 3.3 V +/-10%

ESD Tolerance: 2 kV HBM

Packaging (Pb-free & Green): – 20-contact TQFN (2.5 × 4.5mm)

Application

Routing USB 3.0 SuperSpeed signals

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

PI3USB30532ZLEX

Diodes Inc

TQFN40

PI3PCIE3412AZHEX

Diodes Inc

TQFN-42

PI2PCIE2412ZHE

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PI3DBS16222ZLEX

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PI3PCIE3412ZHE

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