

USB Transceiver 1TR 32-Pin VQFN EP T/R

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN32

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

USB3320C-EZK-TR Image

Images are for reference only

[Inquiry](#)

General Description

The USB3320 is a highly integrated full featured Hi-Speed USB 2.0 transceiver based on Microchip's proven ULPI interface. The USB3320 provides an extremely flexible solution in a convenient 5 x 5 mm QFN package. It supports a wide variety of different reference clock frequencies with one single part, as well as accepting clocking from crystal/resonators and the ULPI 60Mhz Clock-In mode. As with previous generations of Microchip's USB transceivers, the USB3320 integrates a USB switch and both ESD and VBUS over-voltage protection devices.

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Key Features

Highlights

Highly integrated, Full Featured Hi-Speed USB 2.0 transceiver

Integrated VBUS over-voltage protection (up to +30V)

Integrated USB switch

Internal ESD protection circuits

Integrated 3.3V LDO regulator

External passive components minimized

Extremely flexible reference clock frequency support:

Multi-Frequency support with one single part

Frequencies supported: 12, 13, 19.2, 24, 26, 27, 38.4, 52Mhz

Crystal/Resonator support

ULPI 60MHz Input Clock support

Low jitter PLL makes it possible to accept "noisy" clock sources

Industry's best current ESD performance in a Hi-Speed USB transceiver

No external ESD protection circuits required

Ability to use the USB connector as single port of connection

Switch Hi-Speed data, battery charging, and stereo/mono audio accessories

UART mode

Microchip flexPWR® technology

Variable I/O voltage capability

Low power and standby modes of operation to minimize power consumption

Hi-Speed USB On-The-Go (OTG) - host and device capable

Supports commercial (0° to 70°C) and industrial (-40° to 85°C) temperature ranges

Target Applications

Networking

Audio Video

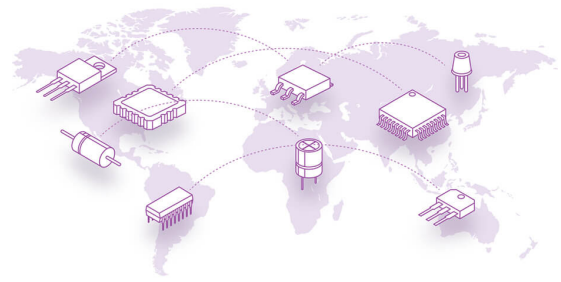
Medical

Industrial Computers

Printers

Repeaters

Communication



Recommended For You

USB3343-CP-TR

Microchip Technology, Inc

QFN24

USB3318-CP-TR

Microchip Technology, Inc

QFN24

USB2513B-I/M2

Microchip Technology, Inc

QFN36

USB3315

Microchip Technology, Inc

QFN

USB2504-JT

Microchip Technology, Inc

QFP64

USB3318

Microchip Technology, Inc

QFN

USB3318C-CP-TR

Microchip Technology, Inc

QFN24

USB3340-EZK-TR

Microchip Technology, Inc

QFN32

USB2422T-I/MJ

Microchip Technology, Inc

SQFN24

USB3503AI-1-GL-TR

Microchip Technology, Inc

WLCSP25

USB2660I-JZX-03

Microchip Technology, Inc

QFN

USB2507-ADT

Microchip Technology, Inc

QFP

USB2641-HZH-02

Microchip Technology, Inc

QFN

USB3317C-CP-TR

Microchip Technology, Inc

QFN24

USB3370B-EZK-TR

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32-VFQFN