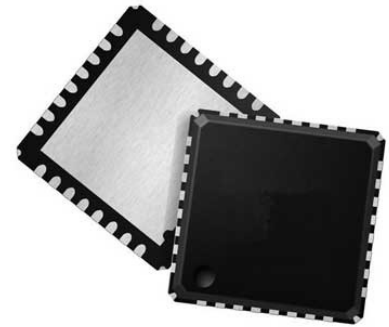


USB Transceiver 1TR 32-Pin VQFN EP Tray



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN32

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

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.

*The USBCheck online design review service is subject to Microchip's Program Terms and Conditions and requires a myMicrochip account.

Key Features

Integrated ESD protection circuits

Extremely flexible reference clock frequency support

Integrated USB switch - No degradation of high-speed electrical characteristics

flexPWR® technology - Sleep mode tri-states all ULPI pins & places the part in a low current state

Integrated battery to 3.3V regulator

Wrapperless design for optimal timing performance and design ease

Ability to use the USB connector as single port of connection

External reference clock operation

Smart detection circuits allow identification of USB charger, headset or data cable insertion

Supports headset audio mode

Supports the OTG Host Negotiation Protocol (HNP) and Session Request Protocol (SRP)

UART mode for non-USB serial data transfer

Internal 5V cable short-circuit protection of ID, DP and DM lines to VBUS or ground

Recommended For You

USB3320C-EZK-TR

Microchip Technology, Inc
QFN32

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