

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

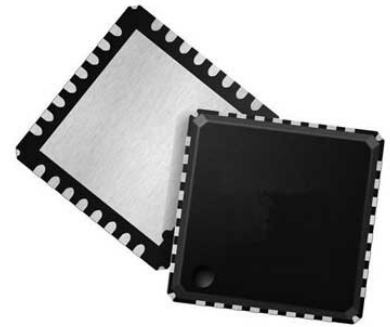
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN32

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

Microchip's USB334x family of Hi-Speed USB 2.0 transceivers delivers enhanced USB functionality for the portable market with support for the latest USB-IF Battery Charging 1.2 (BC 1.2) specification. This family of devices dramatically reduces the time required for battery charging and system bill-of-material (BOM) costs by up to 60% over competitive solutions. Microchip has positioned itself as a leader in providing innovative solutions in support of the latest USB-IF Battery Charging specification. The new USB334x provides an excellent compliment to USB charging ports by enabling portable devices to negotiate up to three times the charging current compared to a standard USB port, resulting in faster battery charging. The USB334x is designed in a small footprint package and reduces the number of external components through the integration of voltage regulators and other discrettes. Additionally, Microchip's complimentary and confidential USBCheck™ online design review service is available for customers who select the USB334x for their application design-in*.

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

Key Features

Highlights

- Highly-integrated, Hi-Speed USB 2.0 transceivers
- Integrated VBUS over-voltage protection (up to +30V)
- Integrated USB switch enables connector as a single port for data, charging and audio
- Integrated regulators allow single supply operation
- Extremely high ESD performance in a Hi-Speed USB transceiver
- Supports a wide variety of common reference clock frequencies
- USB-IF Battery Charger revision 1.2 support
- USB connector as a single port for data, charging and audio
- Ultra-low standby current
- Hi-Speed USB On-The-Go (OTG) revision 2.0 compliant
- Link Power Management (LPM)
- Industrial (-40° to 85°C) temperature range options available
- QFN, RoHS-compliant package

Target Applications

- Digital Still/Video Cameras
- Smartphones/Cell Phones
- GPS Personal Navigation Devices
- MP3/Portable Media Players (PMPs)
- External Hard Disk Drives
- Gaming Consoles

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

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