

## USB Transceiver 1TR 24-Pin QFN EP Tray

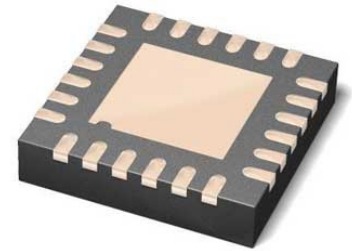
**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** QFN24

**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 discretes. 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 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

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### 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