

## USB Transceiver 1TR 24-Pin QFN T/R

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

**Package/Case:** QFN24

**Product Type:** Interface ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

USB3318-CP-TR Image

Images are for reference only

[Inquiry](#)

### General Description

The USB331x family of Hi-Speed USB 2.0 transceivers provides a highly integrated, small footprint solution designed for portable consumer electronics devices including cell phones, PDAs, portable media players and GPS/personal navigation devices. The USB331x family eliminates the need for external USB switches and electrostatic discharge (ESD) protection devices, which minimizes eBOM part count and printed circuit board (PCB) area. The USB331x provides an extremely flexible solution which allows the USB connector to act as a single port of connection for high speed data transfer, battery charging and stereo/mono audio accessories.\*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
- Internal ESD protection circuits
- Integrated 3.3V LDO regulator
- External passive components minimized
- Industry's best current ESD performance in a Hi-Speed USB transceiver
- No external ESD protection circuits required
- Microchip flexPWR® technology
- Variable I/O voltage capability (fixed 1.8V or a range of 1.8V to 3.3V)
- Low power and standby modes of operation to minimize power consumption
- 13Mhz reference clock support
- Robust design tolerates "noisy" clock and power supplies
- Small package size and very low eBOM part count
- Hi-Speed On-the-Go (OTG) - host and device capable
- Supports Commercial (0° to 70°C) and industrial (-40° to 85°C) temperature ranges

### Target Applications

Cell Phones

Smart Phones

PDA's

GPS Personal Navigation Devices

Personal Media Players (PMPs)

Digital Still and Video Cameras

External Hard Disk Drives

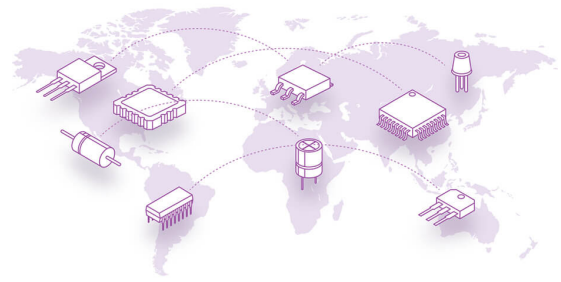
Printers

Set-top Boxes

Digital TVs

Gaming Consoles

Industrial Systems



## Recommended For You

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### **USB3320C-EZK-TR**

Microchip Technology, Inc

QFN32

### **USB3343-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**

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QFN24

### **USB3370B-EZK-TR**

Microchip Technology, Inc

32-VFQFN