

USB Transceiver 1TR 24-Pin VQFN EP T/R

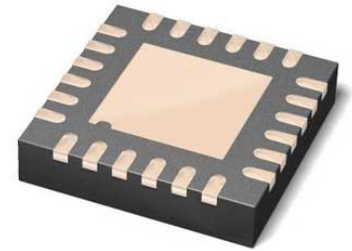
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN24

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

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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
- 24Mhz 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

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