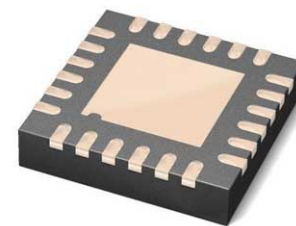



Hub Controller Serial Interface 3.3V Automotive 24-Pin QFN EP Tray



Images are for reference only

[Inquiry](#)

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFN24
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The Microchip USB2422 hub is a low-power, single transaction translator, hub controller IC with two downstream ports for embedded USB solutions. The Microchip hub controller can attach to an upstream port as a Hi-Speed and Full-Speed hub or as a Full-Speed only hub. The Microchip hub supports Low-Speed, Full-Speed, and Hi-Speed (when configured as a Hi-Speed hub) downstream devices on the enabled downstream ports.

All required resistors on the USB ports are integrated into the hub. This includes all series termination resistors on D+ and D- pins and all required pull-down and pull-up resistors on D+ and D- pins. The over-current sense inputs for the downstream facing ports have internal pull-up resistors.

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

Key Features

- Supports the USB battery charging specification
- Fully integrated USB termination and pull-up/pull-down resistors
- Internal regulator provides 1.2V internal core voltage
- On-chip driver for 24MHz crystal resonator or external 24MHz clock input
- ESD protection up to 6kV on all USB pins
- Supports self-powered operation
- Downstream ports as non-removable ports
- Downstream port power control and over-current detection on an individual or ganged basis
- Supports compound devices on a port-by-port basis

Application

Consumer Electronics, Computers & Computer Peripherals, Portable Devices, Communications & Networking

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

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QFN24