

## Hub Controller Serial Interface 3.3V 28-Pin QFN EP T/R

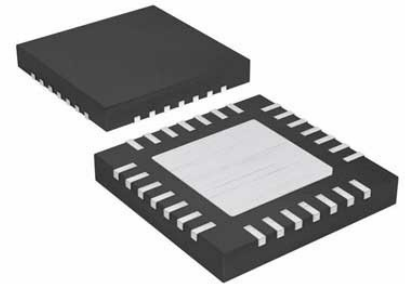
**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** QFN-28

**Product Type:** Drivers

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The USB2412 is a low-power, single Transaction Translator (STT) USB 2.0 hub controller IC with two downstream ports for embedded USB applications. The USB2412 supports low-speed, full-speed, and high-speed (if operating as a Hi-Speed USB hub) downstream devices on all of the enabled downstream ports. Designed for low-power, small-footprint, mobile-oriented applications, the USB2412 is a cost-effective USB port expansion solution that requires minimal bill-of-material and configuration options. The USB2412 supports the standard commercial operating temperature range of 0° to 70°C and is designed to meet ESD protection of up to 4KV on all pins.

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## Key Features

### Highlights

Ultra low-power, small footprint hub controller IC with two USB 2.0 downstream ports

Fully compliant with the USB 2.0 specification

Space-saving 28-pin QFN package well-suited for mobile and consumer applications

### Features

Fully integrated USB termination and pull-up/pull-down resistors

Supports a single external 3.3 V supply source; internal regulators provide 1.2 V internal core voltage

On-chip 24 MHz crystal driver

4 kilovolts of HBM JESD22-A114F ESD protection (powered and unpowered)

Contains built-in default configuration; no external configuration options or components are required

Downstream port configurable as non-removable ports

Supports compound devices on a per-port basis

Optimized for minimal bill-of-material and low cost designs

28-pin QFN (5x5 mm) RoHS compliant package

Support standard commercial temperature range of 0°C to +70°C

### Target Applications

3G/4G/Cable/DSL Modems

LCD Monitors/TVs

Multi-Function Printers

Set-Top Boxes

DVD/CD-ROM/DVR

HDD Enclosures

Keyboards

KVM Switches

Server Front Panels

Point-of-Sale (POS) Systems

## 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**

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QFN24