

Hub Controller Serial Interface 3.3V 28-Pin QFN EP Tray

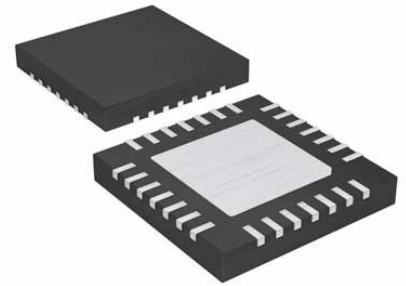
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN28

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

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