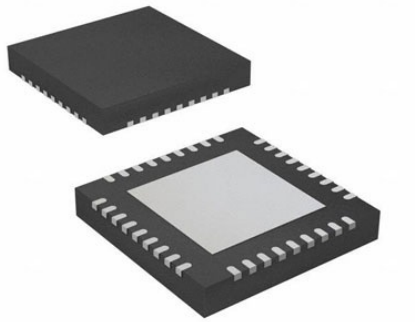
USB2502-AEZG

Data Sheet

Low Speed/Full Speed/High Speed 2-Port USB Hub Controller USB 2.0 1.8V/3.3V Tray
36-Pin QFN EP

Manufacturers	Microchip Technology, Inc
Package/Case	VQFN-36
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for USB2502-AEZG or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

Features

Compliant with USB 2.0 Specification

Hub Controller IC with Two Downstream Ports

Enables Bus-Powered Hi-Speed Hub Design

Default Configuration with Pin Selectable Options

Flexible OEM Configuration Options

36 Pin QFN or 48 Pin TQFP RoHS compliant package

Detects Removal of Self-Power and Automatically Changes Mode to Bus-Power

Integrated Termination and Pull-Up/Pull-Down Resistors

Internal Short Circuit Protection of DP and DM Lines

On-Chip Oscillator Uses Low Cost 24MHz Crystal

Supports Ganged Over-Current Protection and Power Control

Customize Vendor ID, Product ID, and Device ID

Operation as a bus-powered, self-powered or dynamic-powered hub(When configured for dynamic operation, the controller automatically switches to bus-powered mode if a local power source is unavailable)

Select whether the hub is part of a compound device(When any downstream facing port is permanently hardwired to a USB peripheral device, the hub is part of a compound device)

Select the presence of a permanently hardwired USB peripheral device on a port by port basis

Configure the delay time for filtering the over-current sense inputs

Configure the delay time until port power is good after receiving command to turn on downstream port power

Indicate the maximum current that the 2-port hub consumes from an upstream port

Indicate the maximum current required for the hub controller

Select Operation as Either a Bus-Powered Hub or a Self-Powered Hub

Select Downstream Port Power Control Polarity

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Related Products

[USB2512B-AEZG-TR](#)

Microchip Technology, Inc

VQFN-36

[USB5534B-5000JZX](#)

Microchip Technology, Inc

QFN-64

[USB3250-ABZJ](#)

Microchip Technology, Inc

VQFN-56

[USB2514B-AEZG](#)

Microchip Technology, Inc

VQFN-36

[USB2513B-AEZC](#)

Microchip Technology, Inc

VQFN-36

[USB2512-AEZG](#)

Microchip Technology, Inc

VQFN-36

[USB2504A-JT](#)

Microchip Technology, Inc

LQFP-64

[USB2514-HZH](#)

Microchip Technology, Inc

VQFN-48