

USB2517-JZX-TR

Data Sheet

Low Speed/Full Speed/High Speed 7 Port Hub Controller USB 2.0 3.3V T/R 64-Pin QFN EP

Manufacturers <u>Microchip Technology</u>, Inc

Package/Case QFN-64

Product Type Interface ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for USB2517-JZX-TR or <u>Fmailto-us:sales@ovaga.com</u> We will contact you in 12 hours.

RFO

General Description

Microchip's USB251x is a family of versatile, cost-effective and power-efficient USB 2.0 hub controllers. Leveraging Microchip's innovative MultiTRAK technology that delivers industry-leading data throughput in mixed-speed USB environments, the USB251x family is designed for applications that demand low power and a small footprint without compromising on performance.

Well-suited for consumer and mobile applications, all members of the USB251x family are available in space-saving packages. The common 36-pin package shared among the 2/3/4-port hub controllers measures only 6x6mm and provides an ultra small footprint for space-constrained designs while allowing scalable port expansion from two to four ports. The 7-port USB2517 comes in a space-efficient 9x9mm 64-pin package.

Over 30 programmable features, including Microchip's unique PortMap, PortSwap, TrueSpeed and PHYBoost are designed to aid system designers in simplifying PCB layout and optimizing bill-of-material cost. For applications requiring extended operating temperature range, the USB251x i-temp series is designed to meet -40° to 85°C industrial temperature requirements.

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

Features

Highlights

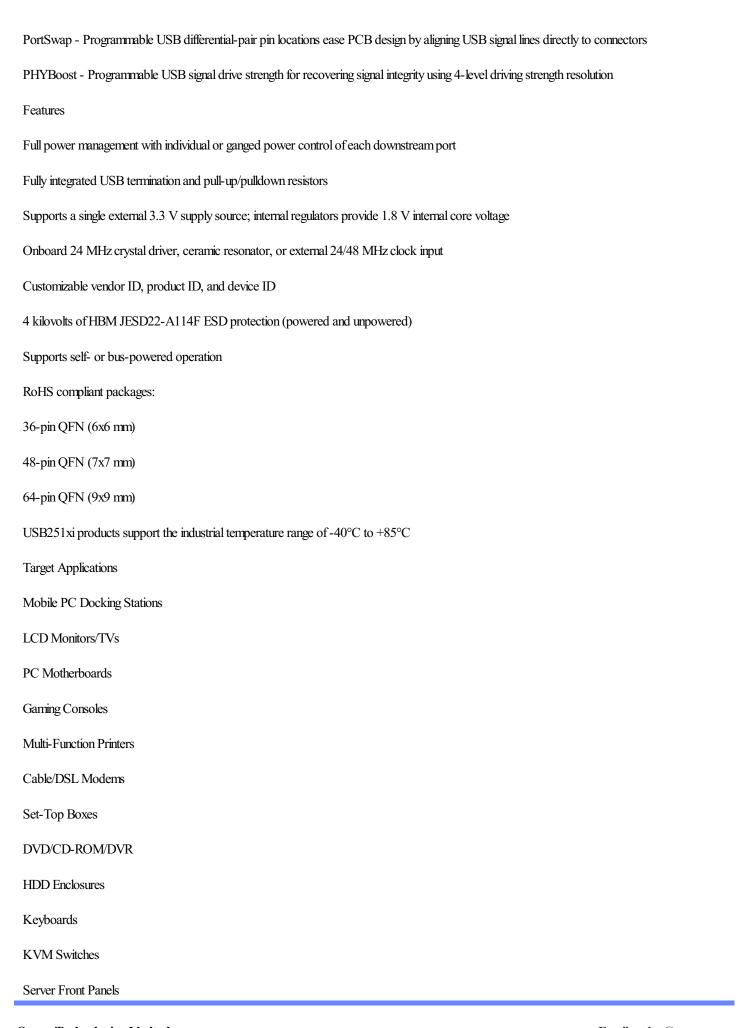
High performance, low-power, small footprint hub controller IC with 2, 3, 4, or 7 downstream ports (indicated by the "x" in the part number)

Fully compliant with the USB 2.0 specification

Enhanced OEM configuration options available through either a single serial I2C® EEPROM, or SMBus slave port

MultiTRAK - High-performance multiple transaction translator which provides one transaction translator per port

PortMap - Flexible port mapping and disable sequencing



Point-of-Sale (POS) Systems

IP Telephony

Automobile/Home Audio Systems

Industrial

Related Products



USB2512B-AEZG-TR

Microchip Technology, Inc VQFN-36



USB3250-ABZJ

Microchip Technology, Inc VQFN-56



USB2513B-AEZC

Microchip Technology, Inc VQFN-36



USB2504A-JT

Microchip Technology, Inc LQFP-64



USB5534B-5000JZX

Microchip Technology, Inc QFN-64



USB2514B-AEZG

Microchip Technology, Inc VQFN-36



USB2512-AEZG

Microchip Technology, Inc VQFN-36



<u>USB2514-HZH</u>

Microchip Technology, Inc VQFN-48