
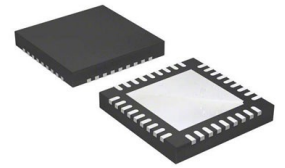


Full Speed/High Speed Multi Format SD/MMC and MS Flash Media Controller USB 2.0 3.3V Tray 36-Pin QFN EP

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFN36
Product Type:	Interface ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

Microchip's USB224x family of Hi-Speed USB 2.0 flash media card controllers provides an ultra-fast interface between a USB host controller and today's most popular flash media cards. Offering comprehensive USB 2.0 compliance and interoperability, the USB224x product family is engineered to provide flexibility for system designers to choose independent or simultaneous access to a wide selection of flash media readers. It provides secure memory format options via internal memory, and is capable of high-performance throughput with new formats such as Memory Stick PRO-HG.

The USB224x consists of a USB 2.0 device transceiver, fast 8051 microprocessor and Memory Stick™ (MS), Smart Media™ (SM) and Secure Digital (SD) controllers in a single chip. Microchip's new ultra-fast card readers are well-suited for performance-intensive Microsoft® Windows Vista® applications such as ReadyBoost™. PC system performance can be improved by up to 10% when employing ReadyBoost with an Microchip flash media reader.*

*Results are based on actual measurements on evaluation platforms developed by Microchip, and are meant only as a general guideline, not as a guarantee.

Actual customer results may vary based on a number of factors, including board layout and measurement technique.

Microchip makes the following part-numbered device available for purchase only by customers who are xD-Picture Card licensees: USB2240. By purchasing or ordering any of such devices, Buyer represents, warrants, and agrees that Buyer is a duly licensed Licensee under an xD-Picture Card™ License Agreement with Fuji Photo Film Co., Ltd., Olympus Optical Co., Ltd., and Toshiba Corporation; and that Buyer will maintain in effect such xD-Picture Card license and will give Microchip reasonable advance notice of any termination or expiration of such xD-Picture Card license, but in no event less than five days advance notice. Microchip may discontinue making such devices available for purchase by Buyer and/or discontinue further deliveries of such devices if such xD-Picture Card license shall expire, terminate, or cease to be in force, or if Buyer is or becomes in default of such xD-Picture Card license.

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

Key Features

Highlights

Optimized for Hi-Speed performance and versatility

Supports Smart Media™/xD-Picture Card™, Memory Stick™/Memory Stick PRO™/Memory Stick PRO-HG™ and MultiMediaCard™/Secure Digital interfaces

Capable of high-performance throughput > 35MB/s with new Hi-Speed formats – MS PRO-HG

Well-suited for PC applications utilizing Microsoft® ReadyBoost™ to improve system performance

Secure memory format options supported via internal memory

Supports individual or any combination of sockets

Industrial-temp option - designed to meet -40° to 85°C requirements

Optional, small footprint, 36-pin QFN package for single or fully-multiplexed card interface designs or space-constrained applications

Application

Desktop/Notebook PCs

Multi-function Printers

Digital TVs

Monitors

Consumer Audio/Video
Devices

Stand-alone Flash Media
Reader/Writers

Digital Picture Frames

Media Players

Set-top Boxes

Gaming Consoles

Automobile/Home Audio
Systems

Industrial Applications

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-I-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