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Microchip's USB to SPI Protocol Converter Provides the Simplest, Smallest and Most Cost-Effective Way to Add USB to Existing Designs

HID-Class USB Converter Has 9 Configurable I/O in 5x5 mm Package; Evaluation Board and Free Driver, DLL & Configuration Software Make it Simple to Add USB Connectivity

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc., (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced the HID-class **MCP2210 USB to SPI protocol converter**—the simplest, smallest-footprint and most cost-effective option for adding USB-Certified connectivity to SPI-based systems. Microchip also provides **free downloads** of supporting software drivers, DLLs and a PC configuration tool, in addition to an evaluation board, to make it fast and simple for designers without USB expertise to add USB connectivity. The converter comes in small, 20-pin SSOP and 5x5 mm QFN packages, for space-constrained applications. Additionally, the MCP2210 has nine flexible, general-purpose I/O that can be configured via a PC as standard digital I/O pins or in alternate configurations, providing additional system I/O that simplify designs and support a wide range of applications.

According to eTForecasts, current annual PC shipments are greater than 300M and are projected to grow to more than 500M within the next four years. While most PCs have standardized on **USB** as the primary protocol for connecting to other devices, many of those devices still utilize the SPI protocol. In combination with the above features, software and tools, the MCP2210 converter utilizes the USB HID class, which is supported by the Windows®, Linux and Mac OS® operating systems, and is a 100% plug-and-play solution, making it even simpler to add USB to existing designs for data collection, transfer and analysis, along with many other USB functions.

"USB connectivity continues to be one of our customers' most requested items," said Bryan J. Liddiard, marketing vice president of Microchip's **Analog and Interface Products Division**. "Microchip's **PIC® microcontroller** families with integrated USB functionality continue to expand. This MCP2210 USB to SPI protocol converter and supporting tools give customers a simple, small-footprint and cost-effective option to add USB connectivity to SPI-based systems."

Development Support

The **MCP2210 Evaluation Kit** (part # ADM00421) is available today for $29.99, at **http://www.microchip.com/get/T7QS**. Additionally, the MCP2210's free software drivers, DLLs and PC configuration tool are all available today for download, at **http://www.microchip.com/get/T7QS**.

Pricing & Availability

The **MCP2210** is available in a 20-pin SSOP package for $1.40 each, and a 20-pin 5x5 mm QFN package for $1.52 each, in 5,000-unit quantities. **Samples** and **volume-production** orders are available today. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at **http://www.microchip.com/get/0QTF**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at **http://www.microchip.com/get/X9W5**.

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- Photo: **http://www.microchip.com/get/0NL1**
- Block Diagram: **http://www.microchip.com/get/MWF1**
- Development Tool: **http://www.microchip.com/get/7LA9**

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