June 17, 2013

MICROCHIP

Microchip Announces PIC32MX 32-bit Microcontroller Portfolio

The PIC32MX Family Offers the Performance, Integrated Peripherals and Memory for Low Cost Graphic Human-Interface, Connectivity and Digital-Audio Applications

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced a new family of **PIC32MX3/4 microcontrollers** (MCUs) in 64/16 KB, 256/64 KB and 512/128 KB Flash/Ram configurations. These new MCUs are coupled with comprehensive software and tools from Microchip for designs in connectivity, graphics, digital audio and general-purpose embedded control.

The MCUs are an expansion to the popular PIC32MX3/4 series of high-performance 32-bit microcontrollers. They offer higher RAM memory options and higher integration of peripherals at a lower cost. The PIC32MX3/4 feature 28 x 10-bit ADCs and 5 UARTS, 105 DMIPS performance, serial peripherals, graphic-display, capacitive-touch, connectivity and digital audio support.

"More designs in the consumer, appliance, medical and industrial markets are requiring high-quality, low-cost audio, capacitive touch, and graphic display capabilities as well as USB support," said Sumit Mitra, vice president of Microchip's MCU32 Division. "This new PIC32MX3/4 family and our complete solutions enable application designers to add all these features, with faster and lower-cost development, while reducing risk."

Development Support

The PIC32MX3/4 family is supported with a comprehensive set of tools and software. These include general software development tools, such as the **MPLAB® X Integrated Development Environment** and the MPLAB XC32 C/C++ compiler. Application-specific tools include the Microchip Graphics Display Designer X along with the Microchip Graphics Library, which provide a visual design tool that enables quick and easy creation of graphical user interface (GUI) screens for applications. These MCUs are also supported with a comprehensive set of protocol stacks from Microchip, including TCP/IP, USB Device and Host, Bluetooth®, and Wi-Fi®. For applications in Digital Audio, Microchip provides software for tasks such as sample rate conversion (SRC), audio codecs including MP3 and AAC, as well as software for connecting smart phones and other personal electronic devices.

The PIC32MX3/4 family is supported by Microchip's **PIC32 USB Starter Kit III** (Part # DM 320003-3, $59.99) and PIC32MX450 100-pin USB PIM (Part # MA32002-2, $25.00) for the modular Explorer 16 development system.

Pricing & Availability

The PIC32MX330F064X, PIC32MX350F128X, PIC32MX450F128X, PIC32MX350F256X, and PIC32MX450F256X are available now. The PIC32MX430F064X is expected to be available in July 2013. The PIC32MX370F512X and PIC32MX470F512X are expected to be available in September 2013. These MCUs are offered in 9x9x0.9 mm, 64-pin QFN, 10x10x1 mm 64-pin TQFP; 12x12x1 mm/14x14x1 mm 100-pin TQFP; and 9x9x0.9 mm, 124-pin VTLA packages. Pricing starts at $2.50 each, in 10,000-unit quantities. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at **http://www.microchip.com/get/5CB7**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners. Additional information on specific application areas can be found in Microchip's online design centers, including **graphics displays**, **connectivity**, **audio** and **smartphone**.

Resources

High-res Images Available Through Flickr or Editorial Contact (feel free to publish):

- Chip Graphic: **http://www.microchip.com/get/N0VF**

- Block Diagram: **http://www.microchip.com/get/EPAQ**

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About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, mixed-signal 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/MC6X**.

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Tags / Keywords: 32-bit controller, **32-bit MCU**, **Digital Audio MCU**, **Audio Dock**, **Low-Cost MCU**, **High-Performance 32 bit**, **iOS Controller**, **mfi Controller**, **Android Accessory Dock**, **Graphic MCU**

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Source: Microchip Technology Inc.