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New tinyAVR® MCUs Increase System Throughput While Lowering Power Consumption in Embedded Applications

Microchip Continues Expansion of AVR Microcontroller Product Line with Addition of Three New tinyAVR Devices

CHANDLER, Ariz., March 13, 2017 (GLOBE NEWSWIRE) -- Microchip Technology Inc. (NASDAQ:MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, has further expanded its AVR® microcontroller (MCU) portfolio by adding three new devices to the tinyAVR® MCU family. The new ATtiny1617 series of MCUs expand the range of AVR devices that feature Core Independent Peripherals (CIPs), which help increase system throughput while lowering overall power consumption. The new devices extend the memory offering for these next generation tinyAVR MCUs with new 16 KB Flash options, while remaining pin and code compatible with the recently released ATtiny817 series devices. Furthermore, all members of the family are supported by Atmel START, an online tool for intuitive graphical configuration of embedded software projects.

The new MCUs offer 16 KB Flash, 256 B EEPROM, and 2 KB RAM in 14-, 20-, and 24-pin packages. The devices contain key features of other tinyAVR MCUs including the Event System Controller, which allows peripherals to communicate without using the Central Processing Unit (CPU) and enables designers to customize the configuration of the MCU for their specific application. The on-chip Peripheral Touch Controller (PTC) simplifies the development of capacitive touch systems. Other integrated features include: a 20 MHz internal oscillator, high-speed serial communication with USART, SPI, and I^2C, configurable custom logic blocks, a 10-bit Analog-to-Digital Converter (ADC) with internal voltage references, operating voltages ranging from 1.8 V to 5.5 V, and picoPower® technology for sleep currents as low as 100 nA.

“There is more growth and innovation in the AVR MCU portfolio now than at any point in the past decade,” said Steve Drehobl, vice president of Microchip’s 8-bit MCU division. “Microchip is committed to continue the AVR MCU family of products.”

For more information, visit: **www.microchip.com/1617series**

Development and Support
The new devices are fully supported by the Atmel Studio 7 Integrated Development Environment (IDE), the STK600 platform and Atmel START, a free online tool to configure peripherals and software for easy development.

Pricing and Availability
The three new tinyAVR MCUs are available today for sampling and in volume production.

- The ATtiny1617 is available in a QFN24 package starting at $0.68 for 10k units.
- The ATtiny1616 is available in a QFN20 and SOIC20 package starting at $0.67 and $0.55 respectively for 10k units.
- The ATtiny1614 is available in a SOIC14 package starting at $0.52 for 10k units.

For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's website. To purchase products mentioned in this press release, go to the new, easier-to-navigate and mobile-optimized microchipDIRECT or contact one of Microchip's authorized distribution partners.

Resources
High-res images available through Flickr or editorial contact (feel free to publish):

- Chip Graphic: flickr.com/photos/microchiptechnology/32374644683/sizes/l
- Block Diagram: flickr.com/photos/microchiptechnology/32374635923/sizes/l

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 www.microchip.com.

Editorial Contact:
Sarah Broome
480-792-4386
Sarah.broome@microchip.com

Reader Inquiries:
1-888-624-7435

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