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Microchip Expands 8-bit PIC(R) Microcontroller Portfolio with New 20-pin Family

PIC16F(LF)720/1 Microcontrollers Feature Low Cost, Low Power Consumption, and Self-Write Flash Program Memory

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced an expansion of its existing 28-/40-pin PIC16F72X microcontroller (MCU) family with two new 20-pin devices--the PIC16F(LF)720 and PIC16F(LF)721. The new MCUs feature low power consumption, making them suitable for various low-power and battery-powered applications. These MCUs offer up to 7 KB of self-write Flash program memory, a temperature-indicator module, an 8-bit Analog-to-Digital Converter (ADC), a capture/compare PWM module, and various serial communication peripherals, such as I^2C(TM), SPI and AUSART. The highly-integrated MCUs enable engineers to reduce board size, component count and overall cost for a variety of applications in the appliance (e.g. blenders, refrigerators, dishwashers); consumer/home electronic (e.g. TV remote controls, toys, phones, set-top boxes); industrial (e.g. digital water heaters, security systems, humidity sensors); and automotive (remote lock systems, power seats, level sensors, lighting control) markets, among others.

The PIC16F(LF)720/1 are general-purpose MCUs that offer integrated control peripherals with newer features, such as self-write memory and a temperature indicator module. The self-write Flash program memory can be used to perform remote firmware updates, while the temperature-indicator module provides a means for measuring the temperature of the surrounding environment. Additionally, the integrated communication peripherals can be used for serial data transfer between other devices on or off the PCB. These MCUs are available in packages as small as a 4 mm x 4 mm QFN, to enable space-constrained applications.

"The PIC16F(LF)720/1 family provides customers with a general-purpose platform for developing cost-sensitive applications," said Steve Drehobl, vice president of Microchip's Security, Microcontroller & Technology Development Division. "The addition of smaller pin-count options, self-write program memory and temperature indicator module further expands this family into even lower-cost applications."

Development Support

Microchip's complete suite of standard development tools can be used with the PIC16F(LF)720/1 MCUs, including the user-friendly and free MPLAB(R) IDE, HI-TECH C(R) Compiler for PIC16 MCUs, PICkit(TM) 3 In-Circuit Debugger/Programmer, MPLAB ICD 3 In-Circuit Debugger, and the MPLAB PM3 Universal Device Programmer. More information on Microchip development tools is available at http://www.microchip.com/get/CJCU.

Packaging & Availability

The PIC16F(LF)720/1 MCUs are available in a 20-pin, 4 mm x 4 mm QFN package, as well as 20-pin PDIP, SOIC and SSOP packages. Samples can be ordered today at http://www.microchip.com/get/FQ4V. Volume-production quantities can be ordered today at microchipDIRECT (http://www.microchip.com/get/M5T0). For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at http://www.microchip.com/get/JWCJ. 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, Ariz., Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip Web site (http://www.microchip.com/get/A5DV).

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High-res photo and block diagram available through editorial contact or Flickr (feel free to publish):

Photo
http://www.microchip.com/get/UF9X

Block Diagram
http://www.microchip.com/get/DSVB

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