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Microchip Wins Best of Electronic Design Award for 8-bit MCUs With Configurable Logic in 6- to 20-pin Packages

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced that its 8-bit PIC10F32X and PIC1XF150X microcontroller (MCU) families won a 2011 "**Best of Electronic Design**" Award in the Digital category, from Electronic Design Magazine. The general-purpose **PIC10F(LF)32X** and **PIC1XF(LF)150X** MCUs include integrated configurable logic in 6- to 20-pin packages. The MCUs feature a new Configurable Logic Cell (CLC) peripheral that provides software control of combinational and sequential logic, which increases the on-chip interconnection of peripherals and I/Os, thereby reducing external components, saving code space and enabling applications for microcontrollers that didn't exist before. These new MCUs allow designers to enhance the functionality, reduce the design size, and decrease the cost and power consumption of products in the **appliance**, **automotive**, **consumer**, and **industrial** markets, among others.

Click here to view related **videos** (feel free to embed on your site): **http://www.microchip.com/get/W9C3**.

"Microchip continues to enable designers to do more with less," said Bill Wong, Electronic Design's Digital Editor. "With their combination of configurable logic in 6- to 20-pin packages at a low cost, the PIC10F32X and PIC1XF150X MCUs enable designers to create higher-performing applications while keeping costs low."

"The PIC10F32X is a great family of parts, and we're honored to receive this award," said Steve Drehobl, vice president of Microchip's Security, Microcontroller and Technology Development Division. "The unmatched combination of unique functionality, power consumption, size, and low cost that the PIC10F32X and PIC1XF150X MCUs provide enables designers to innovate, and create new applications for microcontrollers."

In addition to the CLC, the PIC10F32X and PIC1XF150X MCUs feature Complementary Waveform Generator (CWG) and Numerically Controlled Oscillator (NCO) peripherals. The CWG works with multiple peripherals to generate complementary waveforms with dead-band control and auto shutdown, which provides improved switching efficiencies. The NCO peripheral enables linear frequency control and high resolution, which is required for applications such as lighting-ballast, tone-generation and other resonant-control circuits. Additionally, the MCUs feature low power consumption, with currents of less than 30 µA/MHz in active mode, and less than 20 nA in sleep; as well as on-chip 16 MHz oscillator, Analog-to-Digital Converter (ADC), and up to 4 Pulse-Width Modulation peripherals. An integrated temperature-indicator module enables low-cost temperature measurements.

For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at

http://www.microchip.com/wwwproducts/Devices.aspx?dDocName=en552961. 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/XW3D**).

High-res Photos and Block Diagram available through editorial contact or Flickr (feel free to publish):

PIC10F32X Block Diagram **http://www.microchip.com/get/JC5E**

PIC1XF150X Block Diagram **http://www.microchip.com/get/W7NC**

Photo **http://www.microchip.com/get/TEWP**

Videos (feel free to embed on your site): http://www.microchip.com/get/W9C3

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