March 3, 2015

Digital-to-Analog Converters With Non-Volatile Memory and I2C™ From Microchip Feature 8-, 10- and 12-bit Resolution

MCP47FEBXX Family Provides Low-Power, Single and Dual-Channel DACs; Integrated EEPROM in 8-pin TSSOP Packages

CHANDLER, Ariz., March 3, 2015 /PRNewswire/ **-- [NASDAQ: MCHP]** — Microchip Technology Inc., a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced the expansion of its non-volatile Digital-to-Analog Converter (DAC) product line with the **MCP47FEBXX** devices. The low-power, single and dual-channel DACs feature 8-, 10- and 12-bit resolution, integrated EEPROM and an I^2C™ interface, and are offered in 8-pin TSSOP packages. The DACs are ideal for applications in the consumer and industrial markets, such as wireless microphones, mp3 player accessories and blood glucose test devices and applications such as motor control, instrumentation, sensor calibration, set point/offset trimming, among others.

The integrated EEPROM enables DAC settings to be recalled at power up, for added system flexibility. The choice of 8-, 10- and 12-bit resolution provides flexibility with design requirements and cost. The various shutdown modes significantly reduce the device current consumption for power critical applications. These devices offer customers the ability to utilize the internal bandgap for device voltage reference, simplifying development and lowering system cost, or use an external voltage reference source in order to optimize their design.

"The MCP47FEBXX families of general-purpose DACs were designed to service a broad range of markets and applications," said Bryan J. Liddiard, marketing vice president of Microchip's Analog and Interface Products Division. "The integration and feature set offers customer system flexibility and power savings while simplifying their design efforts. These devices are specified over a wide operating voltage range making them suitable in a variety of applications, including many portable, consumer and handheld devices."

Development Tool Support
The MCP47FEBXX is supported by Microchip's **20-Pin TSSOP and SSOP Evaluation Board** (Part # TSSOP20EV, $9.99).

Pricing & Availability
The MCP47FEBXX is available now for sampling and volume production in 8-pinTSSOP packages, at prices ranging from $0.60 to $1.78 each, in 5,000-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/MCP47FEBXX-Page-022315a**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

Resources

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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/Homepage-022315a**.

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Tags / Keywords: **Digital-Analog-Converter**, **DAC**, **MCP47FEBXX**, **Non-Volatile DAC**, **MCP45FEB0X**, **MCP47FEB1X**, **MCPFEB2X**

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feature-8--10--and-12-bit-resolution-300044250.html

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