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Microchip's New Digital-to-Analog Converters Retain Settings Without Power Via Integrated EEPROM

Low-Power, 8-/10-/12-bit, Single and Dual-Channel MCP48FXBXX Families With SPI Serial Interface

CHANDLER, Ariz., Dec. 3, 2015 /PRNewswire/ -- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced the expansion of its Digital-to-Analog Converter (DAC) product line with the **MCP48FXBXX** families of devices. The six-member MCP48FEBXX DAC family offers integrated EEPROM to save DAC settings at power-down, while the MCP48FVBXX family provides lower-cost alternatives for applications that don't require integrated memory. These low-power, single and dual-channel DACs feature 8, 10 and 12-bit resolution, a SPI serial interface, and are available in 10-pin MSOP packages. Examples of their wide range of applications in the consumer, industrial and automotive markets, among others, include set-point/offset trimming, sensor calibration, instrumentation, and motor control.

To learn more about Microchip's broad data-converter portfolio, including a series of short, informative videos, visit **http://www.microchip.com/Converters-120215a**.

"These new MCP48FXBXX DAC families are ideal for portable, consumer and handheld applications that demand low power consumption," said Bryan J. Liddiard, marketing vice president of Microchip's Mixed-Signal and Linear Division. "They are also specified to operate in extended-temperature conditions, making them suitable for many industrial and automotive requirements, as well."

The high integration and unique feature sets of the MCP48FXBXX families offer customers flexibility, power and cost savings while simplifying their design efforts. The integrated EEPROM option enables DAC settings to be restored at power-up and reduces microcontroller overhead, while the various shutdown modes significantly reduce the device current consumption for power-critical applications. Additionally, these devices feature low Differential Nonlinearity (DNL) error to sustain monotonic output and low Integral Nonlinearity (INL) error for better linearity.

Pricing & Availability
The MCP48FXBXX DAC families are available now for sampling and volume production in 10-pin MSOP packages, at prices ranging from $0.49 (for the MCP48FVB01) to $1.78 (for the MCP48FEB22) 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/DACs-120215a**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

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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-120215a.**

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