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Microchip Introduces Volatile Digital-to-Analog Converter (DAC)

Low-Power, Low-Cost 6-bit Volatile DAC with Command Code Features 1.8-5.5V Wide Operating Voltage Range; I^2C™ and SMBus™ compatibility

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today introduced the volatile MCP47A1 **Digital-to-Analog Converter (DAC)**. This low-power, low-cost DAC features a 1.8-5.5V wide operating voltage range, and is offered in a 6-pin SC70 package. The **MCP47A1** is ideal for applications in the **automotive**, **audio** and **industrial** markets, such as portable, handheld battery-operated products, and applications such as set-point or offset trimming and sensitive mechanical-trim pot replacement.

The extended temperature range of -40 to +125 degrees Celsius allows for use in high-temperature automotive and industrial applications. Additionally, the small SC70 packaging allows for more portable and space-constrained consumer applications. The MCP47A1 DAC also provides 65 taps, through an I^2C™ interface, including taps to both full-scale and zero-scale, providing additional functionality. Low power consumption extends lifetimes in applications with finite power supplies, and the low cost is suitable for cost-sensitive applications.

“The MCP47A1 is optimized for system power reduction and cost reduction,” said Bryan J. Liddiard, vice president of marketing with Microchip’s **Analog & Interface Products Division**. “Because of its extended temperature range, this new DAC can also be used in high-temperature automotive and industrial applications.”

Packaging, Pricing & Availability

The **MCP47A1** DAC is available today for sampling and volume production, at $0.42 each in 5,000-unit quantities. It is offered in a 6-pin SC70 package. For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip’s Web site at **http://www.microchip.com/get/Q2UL**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip’s authorized distribution partners.

Resources

High-res Photo & Block Diagram Available Through Flickr or Editorial Contact (feel free to publish):

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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 website at **http://www.microchip.com/get/FDN9** **(**http://www.microchip.com/get/FDN9**)**.

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