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# Microchip's New 36V Digital Potentiometers Support Wide Signal Swings and High Power-Supply Voltages

*DigiPots Also Feature High Terminal/Wiper Current Support and An Extended Temperature Range; Ideal for Industrial, Automotive and Audio Applications*

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced two new volatile, SPI **digital potentiometers** (digipots)—the **MCP41HV31** and **MCP41HV51** (MCP41HVXX)—its first to operate at 10, 12, 18, 24 and particularly 36 volts, for systems requiring wide signal swing or high power-supply voltages. Additionally, these digipots support both 7-bit and 8-bit resistor configurations, and a high terminal/wiper current, including the ability to sink/source up to 25 mA on all terminal pins for driving larger loads. These features, combined with an extended temperature range of -40°C to +125°C, make the MCP41HVXX well suited for a broad range of high-voltage and high-temperature applications, including those in the industrial, automotive and audio markets.

The MCP41HV31's 7-bit resistor network resolution enables 127 resistors and 128 steps, while the MCP41HV51's 8-bit configuration supports 255 resistors and 256 steps. Additionally, both digipots provide RAB resistance options of 5, 10, 50 and 100 kohms.

"With their support of the wide operating voltages and extended temperature ranges that are common in industrial and automotive power supplies, these new digital potentiometers allow Microchip to address a broader range of applications," said Bryan J. Liddiard, marketing vice president of Microchip's Analog and Interface Products Division. "In fact, these digipots are well suited to any application that operates on higher system voltages."

**Pricing and Availability**

Both digital potentiometers are available today for samples and volume production, in 14-pin TSSOP and 20-pin, 5x5 mm QFN packages. The **MCP41HV31** is $0.99 each and the **MCP41HV51** is $1.09 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/get/0PF1**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

**Resources**

High-res Images Available Through Flickr or Editorial Contact (feel free to publish):

- Photo: **http://www.microchip.com/get/05QU**

- Block Diagram: **http://www.microchip.com/get/6WVC**

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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/get/DTW4**.

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**Tags / Keywords: digital potentiometer, digipot, high voltage, volatile, SPI, wide voltage range, high terminal/wiper current, extended temperature range**

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