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Microchip Expands MOSFET Driver Family

Low-Side Devices Have Peak Output Currents from 2A to 4.5A, Offer Enable Input Pin for Shutdown and Are Available in Popular Packages

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, analog and Flash-IP solutions, today announced the expansion of its MOSFET driver family of products. Building upon the success of Microchip's low-side [MCP14E3/4/5](#) 4.5A MOSFET drivers, Microchip is introducing the new low-side [MCP14E6/7/8](#) 2A and [MCP14E9/10/11](#) 3A drivers. The expanded, low-cost family of devices is rated for peak output currents from 2A to 4.5A, over a wide operating voltage range of 4.5V to 18V. The devices feature enable input pins that provide shutdown capability to conserve power, and are offered in 8-pin SOIC and 8-pin, 6mm x 5mm DFN packages. The drivers start at \$1.24 each, in 10,000-unit quantities. They are ideal for consumer electronic applications that use power supplies, such as servers, personal computers and notebooks.

Today's engineers require lower power, more features and smaller packages at a low cost, and Microchip's expanded family of MOSFET drivers meets those needs. The new MCP14E6/7/8 dual devices are rated for a peak output current of 2A, while the new MCP14E9/10/11 dual devices are rated for a peak output current of 3A. The drivers' wide operating voltage of 4.5V to 18V allows for a broad range of input voltages. Additionally, the drivers' small packages lower costs by reducing board space.

"This expanded Microchip family of MOSFET drivers gives customers more flexibility to choose the right product for their application," said Bryan J. Liddiard, vice president of marketing with Microchip's Analog and Interface Products Division.

Ray DiSilvestro, senior marketing manager for Microchip's Analog and Interface Products Division, added, "With the addition of these new devices, Microchip now offers a full line of high- and low-side drivers, with peak output currents from .5A to 12A at a low cost, in the packages our customers need."

Packaging, Pricing & Availability

The [MCP14E3/4/5](#), [MCP14E6/7/8](#) and [MCP14E9/10/11](#) MOSFET drivers are available in an 8-pin SOIC package, for \$1.24 each in 10,000-unit quantities. The devices are also available in an 8-pin 6mm x 5mm DFN package, for \$1.36 each in 10,000-unit quantities.

[Samples](#) are available today at <http://www.microchip.com/get/0PSS>, and volume-production quantities can be ordered today at <http://www.microchip.com/get/J4BT>. For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at <http://www.microchip.com/get/V0WH>. 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, 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/GQ4W>.

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Tags / Keywords: Microchip, MOSFET driver, peak output currents, wide operating voltage, [MCP14E3/4/5](#), [MCP14E6/7/8](#), [MCP14E9/10/11](#), enable input pin, 8-pin SOIC, 8-pin 5mm x 5mm DFN

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