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Microchip Technology Announces 1.5A MOSFET Drivers in SOT-23 Package

Single-Output Devices Have Operating Voltage Range of 4.5V - 18V; Excellent Latch-up Immunity

CHANDLER, Ariz.--(BUSINESS WIRE)--

Microchip Technology Inc. (NASDAQ:MCHP), a leading provider of microcontroller and analog semiconductors, today announced the MCP1415 and MCP1416 (MCP141X) single-output MOSFET drivers. The inverting MCP1415 and non-inverting MCP1416 MOSFET drivers are rated for a peak output current of 1.5A, over a wide operating voltage range of 4.5V - 18V. Both devices have excellent latch-up immunity and are available in a miniature 5-pin SOT-23 package.

Because of their small package size, designers can position the MCP141X MOSFET gate driver close to the MOSFET's physical gate connection, which minimizes gate bounce caused by the parasitic PCB layout. This also minimizes gate rise-and-fall times, propagation-delay times and shoot-through current, all of which help to increase system efficiency and reduce power dissipation.

"Today's designers are constantly working to build smaller, more efficient designs," said Bryan Liddiard, vice president of marketing with Microchip's Analog & Interface Products Division. "The MCP141X MOSFET drivers were designed to meet these needs, and to provide the robustness and latch-up immunity required for modern switching applications."

"Microchip is pleased to expand its MOSFET driver family into the high output current, small-package segment with the MCP141X devices," said Ray DiSilvestro, product-line marketing manager with Microchip's Analog and Interface Products Division. "These drivers complement market trends toward products that enable greater efficiency in smaller packages."

The MCP141X MOSFET drivers are well-suited for a variety of consumer electronic, industrial and medical applications that use power supplies. Examples include personal computers (PCs), laptops, portable measurement devices and centrifuges, among others.

Packaging, Pricing & Availability

Both the MCP1415 and MCP1416 MOSFET drivers are available in a 5-pin SOT-23 package, for \$0.44 each in 10,000-unit quantities. Samples are available today at <http://sample.microchip.com>, and volume production orders can be placed today at www.microchipdirect.com.

For further information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at www.microchip.com/MCP141X.

Microchip Customer Support

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About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller and analog semiconductors, 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 www.microchip.com.

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