SST Announces Qualification of Smartbit™ OTP NVM Technology for ON Semiconductor's 110 nm CMOS Process

Smartbit Technology Offers Superior Reliability and Reduced Production Cost

CHANDLER, Ariz., May 23, 2017 (GLOBE NEWSWIRE) -- Microchip Technology Inc. (NASDAQ:MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, through its **Silicon Storage Technology** (SST) subsidiary announced that ON Semiconductor (NASDAQ:ON), driving energy efficient innovations, has qualified SST's Smartbit™ One-Time Programmable (OTP) Non-Volatile Memory (NVM) technology for SP110, ON Semiconductor's 110 nm process node.

SST continues to expand support for its SmartBit OTP technology at many foundries and companies like ON Semiconductor. The addition of SST's SmartBit OTP complements the high-reliability, IP-rich, digital and analog offering available in ON Semiconductor's **SP110 standard cell ASIC** technology, which is manufactured in Gresham, Oregon.

"With qualification in SP110, SST and ON Semiconductor have reached the first important milestone in our relationship," said Mark Reiten, vice president of Technology Licensing for SST. "The use of dynamic programming in our cutting-edge Smartbit OTP technology has met the high-reliability standard set by ON Semiconductor."

SST's SmartBit OTP solution significantly reduces production costs by implementing a high-density antifuse technology in standard logic Complementary Metal-Oxide Semiconductor (CMOS) without additional process steps. The Smartbit bit cell design maximizes both device reliability and programming yield while offering faster programming and access time than other OTP technologies.

"ON Semiconductor provides a comprehensive portfolio of custom and standard solutions to help design engineers address their unique design requirements and challenges. We are pleased that SST's SmartBit OTP technology is now part of our SP110 IP portfolio," said Vince Hopkin, senior vice president of Digital and DC-DC Solutions.

For more information about SST's SmartBit OTP technology, visit: **http://www.sst.com/technology/smartbit-otp-technology**

About Silicon Storage Technology
Microchip Technology's SST subsidiary is a leading provider of embedded Flash technology. SST develops, designs, licenses and markets a diversified range of proprietary and patented SuperFlash memory technology solutions for the consumer, industrial, automotive and Internet of Things (IoT) markets. SST was founded in 1989, went public in 1995 (NASDAQ:SSTI), and was acquired by Microchip in April 2010. SST is now a wholly owned

subsidiary of Microchip, and is headquartered in San Jose, Calif. For more information, visit the SST Web site at **www.sst.com**.

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 **www.microchip.com**.

About ON Semiconductor
ON Semiconductor (Nasdaq:ON) is driving energy efficient innovations, empowering customers to reduce global energy use. The company is a leading supplier of semiconductor-based solutions, offering a comprehensive portfolio of energy efficient, power management, analog, sensors, logic, timing, connectivity, discrete, SoC and custom devices. The company's products help engineers solve their unique design challenges in automotive, communications, computing, consumer, industrial, medical, aerospace and defense applications. ON Semiconductor operates a responsive, reliable, world-class supply chain and quality program, a robust compliance and ethics program, and a network of manufacturing facilities, sales offices and design centers in key markets throughout North America, Europe and the Asia Pacific regions. For more information, visit http://www.onsemi.com.

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Editorial Contact:
Sarah Broome
480-792-4386
Sarah.broome@microchip.com

Reader Inquiries:
1-888-624-7435
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