July 12, 2016

SST Announces Qualification of Embedded SuperFlash® on GLOBALFOUNDRIES' BCDLite® Process

Industry's First Embedded Flash Technology on 130 nm BCDLite Platform for Power, MCU and Industrial Applications

CHANDLER, Ariz., July 12, 2016 /PRNewswire/ -- 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 today qualification and availability of SST's low-mask-count embedded SuperFlash® non-volatile memory (NVM) on GLOBALFOUNDRIES' 130 nm BCDLite® technology platform. SST's embedded SuperFlash memory solution requires the addition of only four masking steps to GLOBALFOUNDRIES's BCDLite technology that provides power, microcontroller (MCU) and industrial IC designers with a cost-effective, high-endurance embedded Flash solution. In high-volume power applications such as battery charging (5V-30V), the GLOBALFOUNDRIES 130 nm BCDLite platform paired with the SST SuperFlash embedded memory capability enables advanced battery monitoring that accurately gauges the age and health of the battery.

Being the first foundry to combine SST's embedded SuperFlash memory with advanced analog, the GLOBALFOUNDRIES 130 nm BCDLite platform features an industry-leading Rdson, which enables designers to achieve single-chip, programmable, power solutions with small die sizes.

"The combination of low-mask-count embedded SuperFlash on an advanced 130 nm BCDLite process node opens up exciting new product opportunities, especially for power management markets," said Vipin Tiwari, director of worldwide marketing and business development for SST. "Now customers who require the BCDLite process can keep costs down while adding embedded SuperFlash memory for their sophisticated algorithms."

"Our collaboration with SST has resulted in a customer-ready 130 nm modular BCD+NVM platform, offering our customers an unprecedented level of integration for demanding battery-powered applications such as drones, intelligent motor control, and normally-off mobile computing," said Dave Eggleston, vice president of Embedded Memory at GLOBALFOUNDRIES.

GLOBALFOUNDRIES' 130 nm BCDLite platform, combined with SST's SuperFlash technology, is available now and comes fully supported with an extensive custom library of off-the-shelf IP blocks optimized for analog/power SOCs.

For more information on SST's patented and proprietary SuperFlash® NOR Flash technology see **www.sst.com/technology/SuperFlash-Overview**.

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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**.

Tags / Keywords: SuperFlash, NVM, SST, GLOBALFOUNDRIES, qualified, BCD (Bipolar CMOS DMOS), BCDLite, PMIC, motor-control, MCU, non-volatile memory, Flash, SoC, 130 nm, eFlash, microcontrollers, power management

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