June 10, 2014

Microchip Expands SPI Serial Flash Memory Portfolio with New 1.8V Low-Power Devices

New Flash Memory Devices in Low-Operating Voltage Range from 1.65 to 1.95V

CHANDLER, Ariz.--(BUSINESS WIRE)-- Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced an expansion to its SPI Serial Flash Memory portfolio, with the introduction of the **SST25WF020A**, **SST25WF040B** and **SST25WF080B** devices. These devices offer 2-, 4- and 8-Mbit of memory and are manufactured with Microchip's high-performance SuperFlash® technology and NOR Flash cell architecture for superior quality and reliability.

With a low-operating voltage range from 1.65 to 1.95V, extremely low-power consumption, small-footprint, and low-profile packaging, these SPI Flash memory devices excel in a variety of applications. The memory is partitioned into uniform 4 Kbyte sectors and 64 Kbyte blocks, offering flexible erase capabilities and seamless partitioning for program and data code in the same memory block. These devices enable designers to improve product performance and lower system cost during the design cycles and manufacturing. The low-voltage range provides designers with a low-voltage option on the power-supply voltage for their chipsets and board designs, and reduces overall power consumption, making these Flash memory devices especially well suited for battery-operated accessories, portable medical devices, and Bluetooth®/Wi-Fi®-enabled devices such as remotes, headsets and hearing aids.

SST25WF020A, SST25WF040B and SST25WF080B SPI Flash memory devices offer flexible erase and program performance, including erasing 4 Kbyte sectors as fast as 40 ms, erasing 64 Kbyte blocks as fast as 80 ms, erasing the entire Flash memory chip in 300 ms, and a programming time of 3 ms for a 256-byte page using Page Program. The device also offers Fast-Read Dual I/O and the superior reliability of 100,000 endurance cycles, typical, and greater than 20 years of data retention. The active read current of these devices is only 4 mA, typical, at 40 MHz, and standby current is only 4 µA, typical. Package offerings include 8-pin USON (2 x 3 mm) that uses one-fifth the board space of the traditional 8-pin SOIC. For even more space constraint designs, a chip scale package is expected to be available in October.

All three devices excel in a broad range of applications, including those in the consumer electronics, medical and industrial markets. Examples of ideal end applications include wireless products for sports/fitness/health/monitoring/networking, digital radios, Bluetooth wireless audio accessories, low-power Wi-Fi, ZigBee®, GPS and a wide array of battery-operated products.

"The new SST25WF020A, SST25WF040B and SST25WF080B devices with the Page Program and low-power consumption offer very compelling features for designers to

consider in their embedded applications requiring low power and very compact designs," said Randy Drwinga, vice president of Microchip's Memory Products Division. "With low voltage, smaller footprint, low-profile packaging and low-power consumption, these devices provide designers with more economical and more innovative Flash memory solutions for their embedded designs."

Pricing & Availability

The **SST25WF020A**, **SST25WF040B** and **SST25WF080B** devices are available today for sampling and volume production, in 8-pin SOIC and 8-pin USON (2 x 3 mm) packages, starting at $0.49 each in 10,000-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/1NHK**. To purchase products mentioned in this press release, go to **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

Resources

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

- Chip Graphic: **http://www.microchip.com/get/A14Q**

Follow Microchip:

- RSS Feed for Microchip Product News: **http://www.microchip.com/get/KJE4**
- Twitter: **http://www.microchip.com/get/6MRW**
- Facebook: **http://www.microchip.com/get/3QAC**
- YouTube: **http://www.microchip.com/get/6H1L**

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/FEX6**.

Tags / Keywords: **SST25WF020A**, **SST25WF040B**, **SST25WF080B**, **Serial Flash**, **SPI Flash**, **Flash**, **NOR Flash**, **SuperFlash**, **Non-Volatile Memory**, **Low Power Memory**

Microchip Technology Inc.
Editorial Contact:
Terri Thorson, 480-792-4386
terri.thorson@microchip.com
or

Reader Inquiries:
1-888-624-7435
http://www.microchip.com/get/1NHK

Source: Microchip Technology Inc.