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New Memory Offering from Microchip Offers Unlimited Endurance Along with Safe Data Storage at Power Loss

The I2C EERAM Memory is a Low-Cost NVSRAM that Eliminates the Need for an External Battery to Retain Data

CHANDLER, Ariz., Oct. 18, 2016 /PRNewswire/ -- A new low-cost, low-risk memory solution offering unlimited endurance and safe data storage at power loss is now available from Microchip Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions. This new I^2C **EERAM memory** is an easy-to-implement, non-volatile SRAM memory that is ideal for applications that need to constantly or instantaneously record, update or monitor data including metering, automotive and industrial applications.

EERAM is a standalone SRAM memory with shadow EEPROM back-up on a single chip that helps automatically retain contents of the SRAM memory when system power is lost. The EERAM offers instant random writes to the array with no write cycle delay. The I^2C EERAM family is available in 4 Kb and 16 Kb densities and comes in standard 8-pin SOIC, TSSOP and PDIP packages. EERAM is available in 3.0V and 5.0V options and in industrial and automotive temperature ranges (-40°C to 85°C and -40°C to 125°C) and is also available in automotive grade.

Comprised of two familiar and reliable memory technologies on a single chip, **EE**PROM and S**RAM**, EERAM offers a robust and dependable data solution that is also the lowest cost non-volatile SRAM solution. EERAM does not require an external battery to safely store data during a power loss event. Instead, a small, external capacitor is needed to provide the energy needed to store the contents of the SRAM on to the EEPROM when system power is lost.

"We want to provide customers with easy, inexpensive, and reliable memory solutions with unlimited endurance," said Randy Drwinga, vice president of Microchip's Memory Products Division. "EERAM is an excellent solution for customers looking to constantly record or monitor data, and now Microchip provides this solution at a cost that is unmatched for metering, automotive and industrial applications."

For more information about Microchip's new family of EERAM I^2C memory, visit: **www.microchip.com/EERAM**

Development Support

The **EERAM I^2C PICtail™ Kit** (AC500100) will be available in January 2017 from Microchip.

Pricing and Availability
The following devices are available in 8-pin SOIC, TSSOP and PDIP packages in volume production with pricing in 10,000 unit quantities:

- 47L04, starting at $0.48
- 47C04, starting at $0.48
- 47L16, starting at $0.56
- 47C16, starting at $0.56

For additional information, contact any Microchip sales representative or authorized worldwide distributor. To purchase products mentioned in this press release, go to **microchipDIRECT (http://www.microchipdirect.com/ProductSearch.aspx?Keywords=47L16)** or contact one of Microchip's authorized distribution partners.

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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**.

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