



Everspin Technologies takes MRAM to higher densities with 16 megabit product introduction

Industry's first 16Mb MRAM allows wider range of applications to benefit from MRAM's unique characteristics

CHANDLER, Ariz. – April 19, 2010 – Everspin Technologies extends its MRAM leadership position with introduction of the 16-megabit (Mb) magnetic random access memory (MRAM). The non-volatility, high performance and high reliability advantages of MRAM technology are now available for all applications requiring static RAM (SRAM) performance as well as data retention without power.

“Everspin continues to rapidly expand its MRAM portfolio, enabling more customers to differentiate their products,” said Saied Tehrani, Everspin’s chief operating officer. “Our product roadmap will deliver MRAM at increasingly higher densities, while maintaining MRAM’s unique characteristics in a cost effective way.”

The MR4A16B is a 3.3-volt, parallel I/O non-volatile RAM that features fast 35 ns access times with unlimited read/write cycles. Data is always non-volatile after each write for more than 20 years. In addition, MRAM is immune to soft error rates associated with cosmic rays that impact other memories. The 16Mb MRAM is organized as 1,048,576 words of 16 bits. Pin and function-compatible with asynchronous SRAM, the MR4A16B targets industrial automation, robotics, network and data storage, multi-function printers and a host of other systems traditionally limited to SRAM-based designs.

The MR4A16B is available in a small footprint 48-pin ball grid array (BGA) package and a 54-pin thin small outline package (TSOPII). These packages are compatible with similar low-power SRAM products and other non-volatile RAM products.

Availability

The new 16Mb MRAM family includes commercial (0°C to +70 °C) and industrial temperature (-40°C to +85 °C) range options. Samples are available now, with production quantities beginning in July 2010. Please contact Everspin sales offices and distributors for pricing.

Everspin's product family

Everspin's MRAM technology features high reliability, fast read/write, instant non-volatility and infinite endurance. With the addition of the 16Mb MRAM, Everspin's product portfolio today includes 8- and 16-bit parallel I/O products ranging from 256Kb through 16Mb densities in BGA and TSOP packages and serial peripheral interface I/O products ranging from 256Kb through 1Mb densities in DFN packages.

About Everspin Technologies

Everspin Technologies is the global leader in developing and manufacturing standalone and embedded magnetic-based memory (MRAM) and integrated magnetic sensors. A growing number of leading corporations in the computing, storage, industrial and office automation markets have adopted Everspin MRAM to enable their most advanced products. www.everspin.com

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Media Contact:

Angie Hatfield
PR for Everspin Technologies
(425) 941-2895
angie@hatfieldcommunications.com

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