

Everspin expands automotive grade MRAM product line

Everspin offers a 16Mb MRAM with automotive temperature range and a 128kB SPI MRAM in Grade 1 and Grade 3 ranges for use in automotive and other high reliability systems

Chandler, AZ, Feb 19, 2016

Everspin has announced availability of two new additions to its high performance MRAM automotive product line. The 16Mb MRAM now is available in the automotive temperature range of -40 C to 125 C and comes in both x8 and x16 IO configurations. With fast 45 ns read and write cycle times in a parallel asynchronous SRAM like interface, the 16Mb automotive MRAM gives designers a very high performance and high reliability persistent memory solution for the demands of this rapidly growing market.

Everspin is also introducing a new 128kb SPI MRAM in both the Grade 1 and Grade 3 (-40C to 105C) ranges. This serial interface MRAM fits in a low pin count DFN package with 8 pins. It offers the same benefits of MRAM: high speed writes, unlimited endurance and high reliability, but in a small footprint. Both of these products outperform other non-volatile memory offerings and are ideal for the increasing demand for the extensive data recording and processing in today's automotive electronics systems. These two product additions bolster Everspin's portfolio of automotive grade products, which includes 1Mb through 16Mb with an asynchronous SRAM like interface and 128kb through 4Mb with a serial SPI interface.

Automotive electronics systems are requiring faster and more reliable persistent memory solutions as a result of the need for data recording and fast data processing in all aspects of the system, including braking systems, driver assist functions, drivetrain control, infotainment, safety and data connectivity. MRAM also provides inherent protection of data in the event of power loss, instant recovery of system data, reliable data capture and the ability to withstand harsh environments. These attributes make MRAM an ideal solution for automotive applications.

"With the addition of the 16Mb parallel and 128Kb SPI automotive grade products, Everspin is strengthening our long term commitment to this growing market with new and innovative products," said Scott Sewell, Vice President of Sales and Marketing for Everspin, "System designers are turning to MRAM for use across all of the functions in the automobile, and these products give them a wider choice of density and performance while simplifying system design."

Everspin is sampling these products now and will have volume production in Q2 of 2016. These products are also available in commercial and industrial grades. Please contact your Everspin distributors or sales representatives for price and delivery information.

About Everspin Technologies

Everspin Technologies is the worldwide leader in designing, manufacturing, and commercially shipping discrete and embedded Magnetoresistive RAM (MRAM) and Spin-Torque MRAM (ST-MRAM) into markets and applications where data persistence and integrity, low latency, and security are paramount. With over 60 Million MRAM and ST-MRAM products deployed in data center, cloud storage, energy, industrial, automotive, and transportation markets, Everspin has built the strongest and fastest growing foundation of MRAM users in the world. With an intellectual property portfolio of more than 500 active patents and applications, Everspin leads the market in development of both in-plane and perpendicular magnetic tunnel junction (MTJ) ST-MRAM bit cells. Everspin has established high-quality manufacturing worldwide, along with enabling a full turn-key 300mm high-volume foundry partner for advanced technology nodes including 40nm, 28nm and beyond. In addition to launching discrete memory solutions with new densities and advanced interfaces, including the world's first commercialization and volume shipments of ST-MRAM, Everspin is delivering on the company's strategy to proliferate MRAM and ST-MRAM as mainstream embedded memories for use in MCUs, GPUs, DSPs, Application Processors, and ASICs, earning Everspin its description as "The MRAM Company". www.everspin.com

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