Schneider Electric Selects Everspin for Modicon M580 ePAC next generation Programmable Automation Controllers

Chandler, AZ, February 18, 2016 — Everspin Technologies, Inc., the world's leading developer and manufacturer of discrete and embedded MRAM, is providing its 16-Megabit MR4A16BMA35 Magnetoresistive RAM (MRAM) to users of Schneider Electric's Modicon M580 High End Programmable Automation Controllers, offering them unprecedented data backup capabilities.

Schneider Electric is the global specialist in energy management and automation. Launched in January 2016, its high-end Modicon M580 Ethernet Programmable Automation Controller (ePAC) is the flagship product of the Modicon controller range. It features controller redundancy (hot standby CPUs), native Ethernet inside the backplane and boasts the largest memory and performance on the market. In addition, it has cyber security features embedded at its core. The Modicon M580 ePAC is the first PAC built for the Industrial Internet of Things and is the high-end integrated controller of PlantStruxure, Schneider Electric's automation architecture.

Designed for applications requiring extreme data reliability and speed, Everspin's 16-Megabit MR4A16BMA35 MRAM benefits system designers with the fastest non-volatile memory on the market, symmetrical read/write performance and unlimited endurance. These memory features ensure automation designers that process data is retained deterministically and safely every time a power interruption occurs. In addition to the performance, the technology also allows a battery free eco-design.

"Being able to offer our M580 ePAC customers four megabytes of retained memory without the usual constraints means they don't have to be limited on the process data they can retain," said Florent Lacharme, Offer Manager, Modicon M580, Schneider Electric. "This is ample memory that is maintenance free and instantly available at power-on."

"Everspin is excited that Schneider Electric, an industry leader in programmable automation controllers, has designed its latest controller with our 16Mb MRAM," said Phill LoPresti, President and CEO, Everspin Technologies. "This is a great endorsement of the value that our MRAM technology brings to the industrial market and, as the only supplier of MRAM, it demonstrates the confidence that industrial customers have in our products."

"Everspin understands the unique demands of customers in industrial markets," said Jean-Jacques Adragna, Architect Manager, Schneider Electric. "Features like long term data retention and extreme temperature support are very important in often harsh industrial environments. The inherent endurance of the technology simplifies and speeds product development by avoiding the use of error correction codes and wear leveling schemes required with other non-volatile memory technologies. Everspin is a trusted technology supplier that gives us visibility on its comprehensive roadmap, helping to shape our long term strategy."

Everspin's 16-Megabit MR4A16BMA35 MRAM is in full production today in a standard 48-ball BGA package and is designed to be used in a system like any standard 16-bit parallel SRAM memory with no software overhead. Unlike SRAM, Everspin's MR4A16BMA35 is instantly non-volatile, meaning that the memory bits retain their state even after power is removed, without the need for expensive and cumbersome external power sources.

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

More information about the MR4A16BMA35 or other MRAM solutions from Everspin, visit Everspin's MR4A16BMA35 on www.everspin.com.

More information about Modicon M580 can be found at http://schneider-electric.com/m580.

# # #

Everspin Contact:
Michael Schoolnik
Story Public Relations
415-674-3816
Michael@storypr.com