



Everspin Technologies Announces Development of STT-MRAM for Industrial and IoT Applications

New roadmap solution will expand and complement existing portfolio of Toggle-MRAM devices as industry applications drive higher density requirements

NUREMBERG, Germany, Feb 25, 2020— [Everspin Technologies, Inc.](#) (NASDAQ: MRAM), the world's leading developer and manufacturer of Magnetoresistive RAM (MRAM), today announced the development of STT-MRAM specifically for Industrial and IoT applications at Embedded World in Germany. Building on the success of its award winning 1Gb Spin-transfer Torque MRAM, Everspin is developing a new STT product family to deliver the attributes required by broad industrial applications, providing:

- Data persistence (non-volatility) with data retention of ≥ 10 years
- Unlimited endurance
- 8Mb to 256Mb densities
- -40 to 85C operating temperature range
- SRAM-like performance, low latency and high bandwidth
- Standard JEDEC Serial interface (SPI, QSPI, OSPI, xSPI)
- Compatibility with Everspin's existing Serial Toggle MRAM as well as nvSRAM, FRAM and NOR Flash

Everspin currently supports more than 1,000 customers with its Toggle MRAM that delivers all the benefits above for industrial applications at the smaller 128Kb-32Mb densities. With the increasing bandwidth, features, code and data storage requirements for industrial applications driven by 5G, the need for higher densities will accelerate. MRAM is often used as a universal memory in these applications, being fast enough to execute code as well as provide persistent storage for all data captured. The new Industrial/IoT STT-MRAM will deliver densities of 8Mb to 256Mb, complementing and extending the current Toggle MRAM Serial interface products of 128Kb to 4Mb. To complete the portfolio, Everspin provides Toggle Parallel interface devices up to 32Mb and a 1Gb STT-MRAM with a DDR4 interface for the data center market. Each of these product lines meet specific and critical customer requirements and will remain a focus for both new and sustaining design wins for the future.

“Everspin continues to set the standard as the most durable, highest performance persistent memory in the industry,” said Troy Winslow, Vice President of Sales and Marketing, Everspin. “Being able to bring the scalability and lower cost of STT-MRAM into the industrial and IoT market segments is driven by our broad customer base and enabled through the successful



commercialization of our 1Gb STT-MRAM and more than a decade of Toggle MRAM deployments into these markets.”

Everspin’s STT-MRAM and Toggle MRAM devices allow enterprise infrastructure, data center, industrial, IoT and a host of other application providers to increase the reliability and performance of systems where high-performance data persistence is critical. This is achieved by delivering protection against power loss without the use of supercapacitors or batteries, and in many applications providing the performance and endurance required for code and data storage in a single persistent device.

The Industrial/IoT STT-MRAM is currently in development on the same 28nm lithography platform as the 1Gb STT-MRAM and will be sampling in the second half of next year. For early customer engagement and technical disclosures, please contact your Everspin sales representative. Contact information can be found here: www.everspin.com/sales

About Everspin Technologies

Everspin Technologies, Inc. is the world’s leading provider of Magnetoresistive RAM (MRAM), delivering unprecedented performance, non-volatility, endurance and reliability for applications where data persistence is paramount. Headquartered in Chandler, Arizona, Everspin is transforming the memory market with the largest and most diverse foundation of MRAM customers. For more information, visit www.everspin.com. NASDAQ: MRAM.

Cautionary Statement Regarding Forward-Looking Statements

This press release contains forward-looking statements regarding future events that involve risks and uncertainties that could cause actual results or events to differ materially from the expectations disclosed in the forward-looking statement, including, but not limited to; the anticipated market adoption of Everspin’s products and technology at the rate Everspin expects; the ability for Everspin to expand the markets Everspin addresses at the rate it expects; the risk that unexpected technical difficulties may develop in the final stages of development or production of its products, or when Everspin’s customers may ship in volume. Readers are advised that they should not place undue reliance on these forward-looking statements and should review the risk factors included in Everspin’s Form 10-Q filed with the Securities and Exchange Commission on Nov 7, 2019, under the caption “Risk Factors.” Subsequent events may cause these expectations to change, and Everspin disclaims any obligations to update or alter these forward-looking statements in the future, whether as a result of new information, future events or otherwise.

Everspin Contacts:

Rainier Communications
Marianne Sabella Dempsey/Joanne Stanway
617-223-8675/978-273-1473
everspin@rainierco.com