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Mercury Systems Launches Defense Industry's Highest Density DDR3 Memory Device for Military and Avionics Applications

Advanced miniaturization technology compacts DDR3 memory for next-generation defense and aerospace computing systems

ANDOVER, Mass., May 04, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com), announced that it has launched production of a highly miniaturized DDR3 memory device perfectly suited for SWaP-sensitive military and commercial aerospace applications demanding 1600 Mb/s data transfer speed. Mercury's precision-engineered packaging technology now compacts 4GB of double data rate third-generation synchronous dynamic random-access memory (DDR3 SDRAM) in a single 301 mm² ruggedized package, setting the industry standard for the highest density DDR3 device. The new 4GB DDR3 high density secure memory product, available in x64 and x72 architectures, is manufactured at Mercury's Advanced Microelectronic Center in Phoenix, Ariz.

Next-generation mission computing and sensor subsystem designs need additional DRAM capacity for simultaneous processing of numerous wideband data streams. While attempting to double or triple the number of discrete DRAM devices, system architects frequently encounter a scarcity of available space for integration of these components. Mercury's newest memory product surmounts this space restriction by vertically integrating the equivalent of up to five DDR3 memory devices into one densely-packed, low-profile ball grid array (BGA) package less than 2.5 mm thick. Physical footprint reductions up to 59% are realized without compromising the benefits of high-capacity DDR3 memory. For the highest levels of reliability, the integrity of the mechanical and electrical interface to the customer's subsystem is assured through the selection of a lead alloy solder.

"As threats to our military forces grow increasingly sophisticated, mission-critical data processing systems are tasked with the dichotomous requirements of adding additional memory capacity and simultaneously lowering size, weight, and power demands," said Iain Mackie, Vice President and General Manager of Mercury's Microelectronics Secure Solutions group. "Advances in our unique memory densification and ruggedization technologies bridge the gap between these seemingly incompatible requirements. We are proud to offer the industry's most compact 4GB DDR3 solution optimized for harsh, SWaP-constrained military and aerospace environments."

Mercury's heritage of packaging innovation is built upon a foundation of trust and security. Critical components and raw materials are sourced only from supply chain partners with established manufacturing sites within the United States. All of its high density secure memory products are designed and manufactured in a Defense Microelectronics Activity (DMEA) trusted facility in the United States. Electronic records are protected by an active cybersecurity program modeled after the Center for Internet Security (CIS) critical security controls. Furthermore, several of Mercury's Advanced Microelectronics Center facilities have received a Superior Rating from the Defense Security Service (DSS).

Mercury Systems' application engineering team in Phoenix, Ariz. is available to assist customers with the integration of any of its high density secure memory solutions into new or existing design programs. For application assistance, more information, or to place an order for the 4GB DDR3 high density secure memory device, visit www.mrcy.com/DDR3 or contact Mercury Systems at (866) 627-6951 or info@mrcy.com.

Mercury Systems — Innovation That Matters™

Mercury Systems (NASDAQ:MRCY) is a leading commercial provider of secure sensor and mission processing subsystems. Optimized for customer and mission success, Mercury's solutions power a wide variety of critical defense and intelligence programs. Headquartered in Andover, Mass., Mercury is pioneering a next-generation defense electronics business model specifically designed to meet the industry's current and emerging technology needs. To learn more, visit www.mrcy.com.

Forward-Looking Safe Harbor Statement

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the products and services described herein. You can identify these statements by the use of the words "may," "will," "could," "should," "would," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," "likely," "forecast," "probable," "potential," and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to, continued funding of defense programs, the timing

and amounts of such funding, general economic and business conditions, including unforeseen weakness in the Company's markets, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, changes in, or in the U.S. Government's interpretation of, federal export control or procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays or unanticipated expenses due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions and restructurings, or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, increases in interest rates, changes to export regulations, increases in tax rates, changes to generally accepted accounting principles, difficulties in retaining key employees and customers, unanticipated costs under fixed-price service and system integration engagements, and various other factors beyond our control. These risks and uncertainties also include such additional risk factors as are discussed in the Company's filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2016. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made.

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