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Mercury Systems Announces Unique Ruggedization Technology for New Intel Xeon Processor Scalable Family

BGA Packaging Conversion Technology Enables Highest-Performance Server Processors in Most Demanding Environments

ANDOVER, Mass., July 11, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com) announced that it has extended its commercially-developed Ball Grid Array (BGA) packaging conversion technology to the new Intel® Xeon® Processor Scalable Family, previously codenamed "Skylake-SP". The technology enables conversion of the land grid array (LGA) package found on standard Intel Xeon server CPUs to the more rugged BGA package. The result is a truly rugged server-class processing option in an open system architecture that delivers 2-4x the performance of other product lines of Intel Xeon processors generally available in native BGA packages. Once converted to BGA, the new Intel Xeon processors can be used in a wide variety of deployed military applications on airborne, naval and ground platforms that must be able to withstand harsh temperature and vibration conditions.

"Mercury's unique BGA conversion technology enables our customers to use the latest and most powerful Intel Xeon server chips in deployed military applications," said Richard Jaenicke, Director of Strategic Marketing and Alliances. "The new Intel Xeon Processor Scalable Family provides major increases in vector processing performance, memory bandwidth, and number of cores as compared with native BGA-based Intel Xeon solutions such as the Intel Xeon Processor D family and the Intel Xeon Processor E3 mobile family."

Mercury's BGA conversion technology has been successfully deployed on a number of systems that use the previous generation of server-class Intel Xeon processors. Mercury has applied the technology to the new Intel Xeon Processor Scalable Family even though it is 44% larger in area. Combined with using military-grade solder balls and underfill, this BGA conversion solution eliminates the risk of thermal expansion or contraction of the package causing cracking or opens. Mercury has demonstrated the reliability of converting that LGA3647 package to BGA with successful repeated thermal shock testing. The result is a rugged server processor option suitable for extreme environmental conditions and ready to meet and exceed military durability and reliability requirements.

The Intel Xeon Processor Scalable family brings major feature advances that are applicable to high-performance signal processing and mission computing applications. Compared to the previous generation Intel Xeon Processor E5 family, the new processors have double the vector processing performance with the new AVX512 engine, 50% more memory bandwidth by expanding to 6 memory channels, and increased core count up to 24 cores on models with extended temperature and extended availability of supply. In contrast, the Intel Xeon-D processor family has 2x fewer cores, 3x fewer memory channels, and 2x lower vector processing capability. The Intel Xeon-E3 v6 family similarly has 6x fewer cores, 3x fewer memory channels, and 2x lower vector processing capability.

Mercury plans to utilize the BGA-converted Intel Xeon Processor Scalable family in its OpenVPX, ATCA, and Secure Rack Server product families. For more information on Mercury's BGA packaging conversion technology and the benefits of applying it to the Intel Xeon Scalable Family, visit www.mrcy.com/skylake or contact Mercury 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.

Contact:
Robert McGrail, Director of Corporate Communications
Mercury Systems, Inc.
+1 978-967-1366 / rmcgrail@mrcy.com