



## Mercury Systems announces high-speed 3U VPX synchronizer module for phase-coherent signal acquisition

November 30, 2021

### SOSA aligned module accelerates design of complex beamforming and phased array applications

ANDOVER, Mass., Nov. 30, 2021 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, [www.mrcy.com](http://www.mrcy.com)), a leader in trusted, secure mission-critical technologies for aerospace and defense, today announced the Model 5503 Sensor Open Systems Architecture™ (SOSA) aligned high-speed 3U VPX synchronizer module (a SOSA plug-in-card). The Model 5503 is an optimized commercial-off-the-shelf (COTS) solution that simplifies complex synchronization tasks for beamforming and phased-array applications used in radar, electronic warfare, and communications, maximizing reception and transmission of signals and reducing development costs and design time. The module can synchronize up to 32 channels across four RF system-on-chip (RFSoc) Quartz® modules, satisfying the growing need for synchronization in multi-element systems with high channel counts.

“Clocking and synchronization are often the hardest challenges of subsystem design,” said Ken Hermann, general manager, Mercury Microwave and Mixed Signal Assemblies. “Customers prefer a fully optimized, tested and supported solution that eliminates the risk and time typically involved with developing a proprietary design. The Model 5503 is highly integrated and optimized for RFSoc designs, allowing engineers to focus on the application itself, saving valuable development time and cost. Its SOSA aligned architecture facilitates interoperability, re-use, and rapid technology insertion, all consistent with the SOSA Consortium’s approach and vision.”

Four sets of programmable clock and timing signals for synchronizing, triggering and gating functions are routed to each Quartz module across the backplane, eliminating front-panel connections, while a rear transition module delivers synchronization signals to four additional modules. A conduction-cooled option is available for more rugged operating environments.

Mercury envisions, creates, and delivers innovative technology solutions purpose-built to meet their customers’ most pressing high-tech needs. Visit the Model 5503 SOSA aligned synchronizer [product page](#) for more information or contact Mercury at (866) 627-6951 or [info@mrcy.com](mailto:info@mrcy.com).

#### About the SOSA Consortium

The Open Group Sensor Open Systems Architecture™ (SOSA) Consortium aims to create a common framework for transitioning sensor systems to an open systems architecture, based on key interfaces and open standards established by industry-government consensus. The SOSA Consortium enables government and industry to collaboratively develop open standards and best practices to enable, enhance, and accelerate the deployment of affordable, capable, interoperable sensor systems.

For more information about the SOSA Consortium, please visit [www.opengroup.org/content/sensor-open-systems-architecture-sosa](http://www.opengroup.org/content/sensor-open-systems-architecture-sosa).

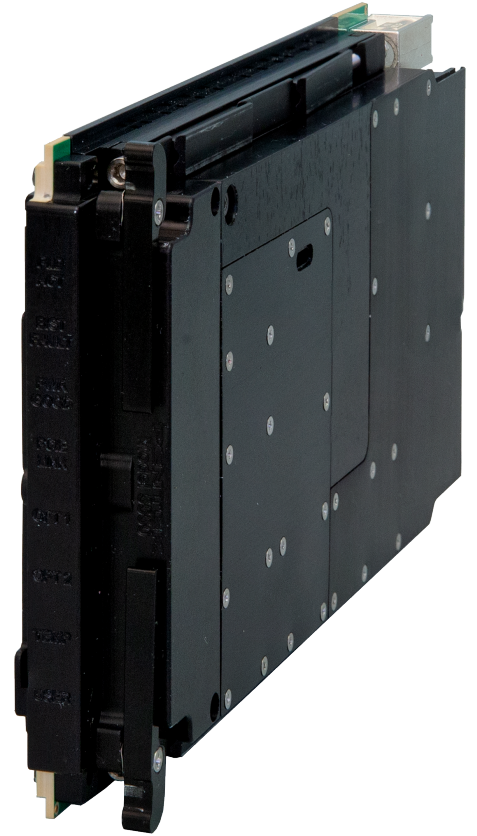
#### Mercury Systems – Innovation That Matters®

Mercury Systems is a global commercial technology company serving the aerospace and defense industry. Headquartered in Andover, Mass., the company delivers trusted, secure open architecture processing solutions powering a broad range of mission-critical applications in the most challenging and demanding environments. Inspired by its purpose of delivering Innovation that Matters, By and For People Who Matter, Mercury helps make the world a safer, more secure place for all. To learn more, visit [mrcy.com](http://mrcy.com), or follow us on [Twitter](#).

#### 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 and to fiscal 2022 business performance and beyond and the Company’s plans for growth and improvement in profitability and cash flow. 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 epidemics and pandemics such as COVID, effects of any U.S. federal government shutdown or extended continuing resolution, 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, changes in, or in the interpretation or enforcement of environmental rules and regulations, market acceptance of the Company’s products, shortages in components, production delays or unanticipated

### Mercury Systems 5503 Synchronizer Module



Mercury’s new Model 5503 SOSA aligned high-speed 3U VPX synchronizer module is an optimized commercial-off-the-shelf (COTS) solution that simplifies complex synchronization tasks for beamforming and phased-array applications used in radar, electronic warfare, and communications.

expenses due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions, restructurings and value creation initiatives such as 1MPACT, or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, increases in interest rates, changes to industrial security and cybersecurity regulations and requirements, changes in tax rates or tax regulations, changes to interest rate swaps or other cash flow hedging arrangements, 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 July 2, 2021. 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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A photo accompanying this announcement is available at <https://www.globenewswire.com/NewsRoom/AttachmentNg/7a9b3ff7-dc46-4282-8d59-864dc454c09c>