



Mercury Unveils the Industry's First Signal Processing Board To Feature Intel's Latest Direct RF Technology

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ANDOVER, Mass., Jan. 23, 2023 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, www.mrcy.com), a technology company that delivers processing power for the most demanding aerospace and defense missions, today introduced a new COTS open-architecture board that delivers the latest commercial signal processing technology for aerospace and defense applications, driving higher performance from a smaller form factor. The DRF3182 Direct RF Processing Module is the first standard product purpose-built for the aerospace and defense industry that leverages Intel's new Stratix® 10 AX SoC field programmable gate array (FPGA), which adds a key capability to the [Mercury Processing Platform](#) by enabling the direct digitization and processing of broadband RF signals.

Unlike traditional systems that use costly analog frequency conversion hardware, direct RF technology allows the direct processing of broadband signals. This streamlined architecture reduces the total system size and cost while increasing flexibility. Designed for radar and electronic warfare (EW), this technology can enhance a wide range of applications including software-defined radio and communications.

Why it Matters

Today's rapidly evolving threat environment requires deploying advanced processing capabilities to the tactical edge. Through a deep collaboration with Intel, Mercury has set a new standard for performance that will ensure modern EW and radar systems can provide a decision advantage to U.S. and allied forces and make the world a safer, more secure place.

"To maintain technological superiority in today's complex geopolitical landscape, next-generation radar and EW systems must leverage the latest commercially developed signal processing semiconductor devices," said Kevin Beals, Vice President and General Manager of Mercury's Signal business. "The DRF3182 Direct RF Processing Module utilizes Intel's latest direct RF technology to significantly increase the processing density of modern radar and EW systems."

Mercury's DRF3182 Direct RF Processing Module features:

- Four 10-bit ADC channels and four 10-bit DAC channels at 51.2 GSPS
- Intel Stratix® 10 AX-Series SOC FPGA
- Ku band range from 2 – 18 GHz range
- Six 100 GigE data plane interfaces for an aggregate throughput rate of 75 GB/sec
- 3U OpenVPX form factor

The DRF3182 Direct RF Processing Module is now available for commercial order. Mercury envisions, creates, and delivers innovative technology solutions purpose-built to meet its customers' most pressing high-tech needs. For more information, visit mrcy.com or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems – Innovation that Matters® by and for People Who Matter

Mercury Systems is a technology company that makes the world a safer, more secure place. We push processing power to the tactical edge, making the latest commercial technologies profoundly more accessible for today's most challenging aerospace and defense missions. From silicon to system scale, Mercury enables customers to accelerate innovation and turn data into decision superiority. Headquartered in Andover, Massachusetts, Mercury employs 2,400 people in 24 locations worldwide. To learn more, visit mrcy.com. (Nasdaq: MRCY)

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 business performance in fiscal 2023 and beyond, including our projections for revenue, organic growth, bookings growth, and adjusted EBITDA, our expectations regarding the size of our addressable market, and our 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, inflation, 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 or delays in receiving components, supply chain volatility for critical components such as semiconductors, production delays or unanticipated 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, effects of shareholder activism, increases in interest rates, changes to industrial security and cyber-security 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 1, 2022. 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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