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MACOM Announces First Commercial Production Order for SPAR™ Tiles

Scalable Planar ARray (SPAR™) Tiles drive cost efficiencies that enable mainstream adoption and deployment of MPAR

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Holdings, Inc. ("MACOM") (NASDAQ: MTSI), a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products, today announced that following the successful field trial of the Multifunction Phased Array Radar (MPAR) prototype system, it has received an order for Scalable Planar ARray (SPAR™) Tiles from the Massachusetts Institute of Technology (MIT) Lincoln Laboratory for use in the first full-scale MPAR system.

This Smart News Release features multimedia. View the full release here:
<http://www.businesswire.com/news/home/20151110006806/en/>

SPAR Tiles are RF assemblies containing antenna elements, GaAs and GaN semiconductors, transmit and receive modules and RF and power distribution networks. When combined with additional signal generation and receive and control electronics, the composite assembly forms the building block for the MPAR planar active electronically scanned antenna (AESA) for the radar system.

SPAR Tiles enable the transition from cumbersome traditional brick architectures to a more efficient planar approach. By leveraging MACOM's commercial manufacturing expertise, MACOM believes that SPAR Tiles will help drive cost efficiencies that are required to propel MPAR to mainstream adoption and deployment in the latter part of this decade.

The MPAR radar system enables enhanced temporal and spatial precision for weather surveillance and air traffic control applications. It is anticipated that the government proof-of-concept system will demonstrate a unique radar capability that simultaneously improves both aircraft and weather surveillance.

The data gathered by the MPAR radar can be used by the National Oceanic and Atmospheric Administration (NOAA) to more accurately forecast severe storm activity, providing the early warning needed to save lives. The Federal Aviation Administration's (FAA) current air traffic control network, built more than three decades ago, is approaching obsolescence. It is believed that replacing these systems with MPAR would provide improved awareness of air traffic patterns, bringing dramatic efficiency improvements to FAA air traffic operations.

"The implementation of MACOM's SPAR Tiles as a critical element of a full-scale demonstration of MPAR represents a major milestone in the validation of this new approach for manufacturing AESAs," said Dr. Doug Carlson, Vice President, Strategy, MACOM. "SPAR Tiles enable new levels of affordability and flexibility across a broad range of civil and defense applications. Our ability to fulfill large orders of SPAR Tiles demonstrates the scalability of our manufacturing approach to achieve volume production of this highly integrated and complex RF product."

MACOM IN ACTIVE ANTENNAS

MACOM is leading the transition of civil and defense radar and communication systems to active antenna technology. Applying innovative, tile-based architectures and modern, commercial manufacturing practices, MACOM is enabling customers to build affordable, scalable radar systems with rapid time to market.

To learn more about MACOM's Active Antenna position, click here: <http://www.macom.com/activeantennas>.

ABOUT MACOM:

M/A-COM Technology Solutions Holdings, Inc. (www.macom.com) is a leading supplier of high-performance analog RF, microwave, millimeterwave and photonic semiconductor products that enable next-generation Internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including high speed optical, satellite, radar, wired and wireless networks, automotive, industrial, medical and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia, and Australia.

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For more information about MACOM, please visit www.macom.com follow [@MACOMtweets](https://twitter.com/MACOMtweets) on Twitter; join MACOM on [LinkedIn](#), or visit the MACOM [YouTube Channel](#).

Special Note Regarding Forward-Looking Statements:

This press release contains forward-looking statements based on MACOM management's beliefs and assumptions and on information currently available to our management. Forward-looking statements include, among others, information concerning future activities or trends, business strategies, industry conditions, market opportunities and all statements that are not historical facts, and generally may be identified by terms such as "anticipates," "believes," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "projects," "seeks," "should," "will," "would" or similar expressions and the negatives of those terms.

Forward-looking statements contained in this press release reflect MACOM's current views about future events and are subject to risks, uncertainties, assumptions and changes in circumstances that may cause those events or our actual activities or results to differ materially from those expressed in any forward-looking statement. Although MACOM believes that the expectations reflected in the forward-looking statements are reasonable, it cannot and does not guarantee future events, results, actions, levels of activity, performance or achievements. Readers are cautioned not to place undue reliance on these forward-looking statements. A number of important factors could cause actual results to differ materially from those indicated by the forward-looking statements, including those factors described in "Risk Factors" in MACOM's filings with the SEC, including its Quarterly Report on Form 10-Q for the fiscal quarter ended July 3, 2015 as filed with the SEC on August 12, 2015. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

DISCLAIMER FOR NEW PRODUCTS:

Any express or implied statements in MACOM product announcements are not meant as warranties or warrantable specifications of any kind. The only warranty MACOM may offer with respect to any product sale is one contained in a written purchase agreement between MACOM and the purchaser concerning such sale and signed by a duly authorized MACOM employee, or, to the extent MACOM's purchase order acknowledgment so indicates, the limited warranty contained in MACOM's standard Terms and Conditions for Quotation or Sale, a copy of which may be found at: www.macom.com/support.

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