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MACOM Announces Quad Channel 64G Linear Modulator Driver Die for Long Haul, Metro and Data Center Interconnect Applications

- | *MACOM's new MAOM-006408 features high bandwidth, excellent linearity and low power consumption*
- | *Device performance offers full analog and digital control for meeting the requirements for both HB-CDM and IC-TROSA standards for 600G deployments.*
- | *Single die solution enabling 64Gbaud and 64 QAM transceivers in small form factors*

LOWELL, Mass.--(BUSINESS WIRE)-- [MACOM Technology Solutions Inc.](#) ("MACOM"), today announced the [MAOM-006408](#), a quad channel linear differential modulator driver in a single die for 64 GBaud Long-Haul, Metro and Data Center Interconnect (DCI) applications using high order modulation schemes up to 64QAM. This device features low power consumption, high bandwidth and excellent linearity, all in the smallest die form factor, which is expected to be required for meeting both the HB-CDM and IC-TROSA standards currently being developed by the Optical Internetworking Forum (OIF).

As telecom operators and Internet content providers continue to drive the demand for increased data rates and faceplate density, the OIF is working to support these efforts with components standards for 64 Gbaud and 64 QAM in small form factors. To meet these requirements for smaller size and higher frequency operation, package-level integration of the driver and Mach-Zehnder modulator becomes advantageous. This drives the need for quad-channel linear drivers in a single semiconductor die as compared to existing discrete driver solutions, where multiple die are integrated in a surface mount module.

"We are very excited to be launching this new highly integrated, high bandwidth modulator driver," said Rajiv Somisetty, Senior Product Manager, Networks, at MACOM. "MACOM has been at the forefront of innovation in modulator drivers throughout the deployment of coherent technology over the last seven years, and our latest modulator driver portfolio for 64Gbaud systems extends our leadership position into the next generation of 400G deployments and beyond."

MACOM's MAOM-006408 raises the technological innovation standard with the integration of four channels in a single Silicon Germanium die with full digital control via Serial Peripheral Interface (SPI). The MAOM-006408 has been optimized for minimum power consumption while also providing flexibility for use with different MZ modulators. It also offers full analog and digital control, which is anticipated to meet the requirements for both the HB-CDM and IC-TROSA standards.

More information on MACOM's new MAOM-006408 driver, along with the complete portfolio of products for optical communications, will be available at OFC 2018, MACOM Booth #2613, March 13th-15th, in San Diego, California. To make an appointment, contact your local sales representative. For more information on MACOM's optical networking solutions visit: www.macom.com/applications/optical-networking.

ABOUT MACOM:

MACOM enables a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and datacenters.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield.

MACOM is the partner of choice to the world's leading communications infrastructure, aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency and field reliability, through its best-in-class team and broad portfolio of analog RF, microwave, millimeterwave and photonic semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better, through bold technological strokes that deliver true competitive advantage to customers and superior value to investors.

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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This press release contains forward-looking statements based on MACOM's beliefs and assumptions and on information currently available to MACOM. These forward-looking statements 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, but not limited to, those factors described in "Risk Factors" in MACOM's Annual Report on Form 10-K and Quarterly Report on Form 10-Q filings with the Securities and Exchange Commission. MACOM undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

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