

MACOM Announces New Dual and Quad Channel 64GBaud TIA Solutions for 600G Applications

March 6, 2019

- *MATA-006406 and MATA-006806 offer optimal low noise, low power and high bandwidth for ICRs and ICTROSAs with data-rates up to 600Gbps per wavelength*
- *New TIAs compatible with MACOM's quad-channel MAOM-006408 and MAOM-006412 drivers for IC-TROSA applications*

LOWELL, Mass.--(BUSINESS WIRE)--Mar. 6, 2019-- [MACOM Technology Solutions Inc.](#) ("MACOM") today announced the availability of new dual and quad channel 64 GBaud transimpedance amplifier (TIA) solutions for coherent applications up to 600G. The new dual-channel [MATA-006806](#) and quad-channel [MATA-006406](#) offer customers the low noise, low power and high bandwidth required to enable Integrated Coherent Receivers (ICRs) and Integrated Coherent Transmit-Receive Optical Sub-Assemblies (ICTROSAs) operating up to 600Gbps in Telecom and Data Center Interconnect (DCI) applications.

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The new TIAs feature high transimpedance gain, high bandwidth, low input referred noise and low THD to support up to 64GBaud symbol rates and 64 QAM modulation. The MATA-006806 has purely analog control while the MATA-006406 includes both analog and integrated SPI control for full digital operation. (Photo: Business Wire)

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 and Asia.

MACOM, M/A-COM, M/A-COM Technology Solutions, M/A-COM Tech, Partners in RF & Microwave, The First Name in Microwave and related logos

Today's increased demand for data capacity in metro and DCI applications are driven by new trends like the Internet of Things (IoT), virtual reality and artificial intelligence. As the market moves from 100G/200G to 400/600G coherent systems, MACOM's 64 GBaud driver and TIA solutions are lighting the way. The new TIAs feature high transimpedance gain, high bandwidth, low input referred noise and low THD to support up to 64GBaud symbol rates and 64 QAM modulation. The MATA-006806 has purely analog control while the MATA-006406 includes both analog and integrated SPI control for full digital operation.

"MACOM has always raised the bar in providing excellent driver solutions to our customers and helping them to design best-in-class coherent transmit channels. We're extending our leadership to supporting new 600G ICR designs, and engaging with all Tier 1 customers to qualify in our TIA," said Rajiv Somisetty, Senior Product Marketing Manager at MACOM. "MACOM's TIA devices will provide customers with essential low noise and high performance. Partnered with our quad channel drivers, these solutions will ease the design and development cycle of our customers."

MACOM's new TIAs can be bundled with quad-channel drivers like MACOM's [MAOM-006408](#) or [MAOM-006412](#) for IC-TROSA applications.

More information on MACOM's MATA-006406 and MATA-006806 devices, along with the complete portfolio of products for optical communications and the InnovationZone featuring leading industry solutions, will be available at OFC 2019, MACOM Booth #2739, March 5th-7th in San Diego. 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.

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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, Quarterly Reports on Form 10-Q and other 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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