



Partners from RF to Light

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MACOM Announces Volume Shipments of PMD Chip-Set for 100Gbps Short Reach Applications

MACOM's MALD-37045 and MATA-37044 Enable Development of Low Cost and Low Power VCSEL-Based QSFP28 Modules

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance RF, microwave, millimeterwave and photonic semiconductor products, today announced the availability of volume shipments of their chipset for 100Gbps short reach SR-4 applications, including the [MALD-37045](#), a four channel 25.78G/28.05G VCSEL driver, and the [MATA-37044](#), a TIA/limiting amplifier, both with integrated Clock and Data Recovery (CDR) functionality. These industry-leading devices boast ultra-low power consumption, making them an ideal solution for small form-factor applications.

The integrated CDR functionality provides customers with improved jitter performance and lower power as compared to discrete chip-set solutions. Targeted for QSFP module applications, these devices feature direct, DC-coupled wirebonding to VCSEL lasers and photodetectors. Together, these devices offer customers a complete one-stop solution for optical modules, active optical cables and on board optical engines.

"The MALD-37045 and MATA-37044 extend MACOM's leading portfolio of CDRs, laser drivers and TIAs to support short reach applications," said Marek Tlalka, Direct of Product Marketing, High-Performance Analog, MACOM. "We are excited to enable volume shipments of 100Gbps QSFP modules and active optical cables for Ethernet and InfiniBand applications."

"The industry leading high integration, small chip-size and low power of MACOM's VCSEL driver chipset make it an ideal solution for 100Gbps connectivity in high volume datacenter and high performance computing applications," said Infinity Huang, Head of R&D Hisense Broadband Multimedia Technologies. "We are happy to be one of the first companies to ship volume quantities of 100G optical QSFP connectivity products based on MACOM's chip-set."

MACOM's MALD-37045 and MATA-37044 will be on display at OFC 2016, Booth #3101, March 22-24th in Anaheim, CA. To make an appointment, contact your local sales representative. For more information on MACOM's broad optical and photonic portfolio visit: www.macom.com.

ABOUT MACOM:

M/A-COM Technology Solutions Inc. (www.macom.com) is a leading supplier of high-performance analog RF, microwave, millimeter wave 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, 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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