



Partners from RF to Light

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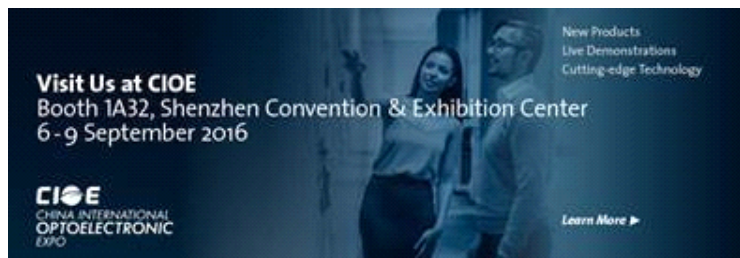
MACOM Announces New Transmitter/Receiver Solution for SFP28 Short Reach Applications

MACOM's MATA-37644 and MALD-37645 will Demo at CIOE 2016

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of high-performance analog, RF, microwave and optical semiconductor products, announced their new MATA-37644, a multi-rate 28G CDR with Trans-Impedance Amplifier (TIA) and Limiting Amplifier (LA), and the MALD-37645, a multi-rate 28G CDR with VCSEL driver and input equalizer. These companion devices offer customers a complete transmit and receive solution for 25G Ethernet, 32G fiber channel and CPRI applications.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20160906005051/en/>



The MATA-37644 and MALD-37645 both are available in a die form for low cost wire-bonding assembly and feature high-performance, reference-free CDRs that can be bypassed to support legacy or non-standard data rates. The CDRs retune at 25 to 28.1Gb/s, and 21 to 25.3Gb/s as well as divide by two data rates. These industry-leading devices can be individually controlled through the 2-wire serial interface and consume ultra-low power, making them the ideal solution for small form-factor SFP28 applications.

The MATA-37644 and MALD-37645 will be shown in private demonstrations for customers, partners, press and analysts at CIOE 2016, Booth #1A32, September 6-9th in Shenzhen, China. For more information or to schedule a demonstration, please contact your local MACOM sales representative. (Photo: Business Wire)

The MATA-37644 includes a high-sensitivity TIA with selectable bandwidth control to support legacy data rates, and an output driver with programmable output swing and 2-tap de-emphasis. The MALD-37645 provides customers

with programmable bias and modulation current, enabling interoperability with a variety of VCSEL lasers as well as an adaptive input equalizer to support flexible VSR connections to host ASICs.

"MACOM is delighted to offer these one-channel companion devices as a complete solution for SFP28 chip-on-board applications, including optical modules, active optical cables and on board optical engines," said Marek Tlalka, Director of Marketing at MACOM. "Our new chipset expands MACOM's existing family of CDRs, laser drives and TIA products to emerging 25G Ethernet and 32G Fibre Channel Data Center and Enterprise applications as well as to 24G CPRI telecom applications."

"MACOM's latest chipset solution is enabling the development of low cost and low power SFP28 short reach optical modules," said Charlie Wang, Vice President of Research and Development at Innolight Technology Corporation. "We are excited to work with MACOM to deliver best in class enterprise and data center optical interconnectivity to customers."

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MACOM is a leading supplier of optical networking products that enable the transition to 100G and beyond. By moving information from the core network to datacenters worldwide, MACOM has the deep product portfolio, technological capabilities and optical networking expertise to accelerate speed-to-market, enabling 10G-400G design and deployment.

Product information for the MATA-37644 and MALD-37645 can be obtained from the MACOM website at: www.macom.com.

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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