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MACOM to Demonstrate 100G/Lane Switch to Server Link with LPO Interface at OFC 2024

LOWELL, MA--(BUSINESS WIRE)—March 25, 2024-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of semiconductor products, announced a switch-to-server interoperability demonstration of its linear drive 100G per lane components at the Optical Networking and Communications Conference 2024 ("OFC") in San Diego. The live demonstration of the optical link leverages:

- MACOM PURE DRIVE™ Transimpedance Amplifiers ("TIA") and Laser Drivers

- Broadcom's BCM57608 Series Ethernet Network Interface Card ("NIC")

- Broadcom's Tomahawk® 5 Ethernet Switch Chip

The switch-to-server link represents an important use case for the linear drive architecture, which can provide an optimized interconnect solution for Cloud infrastructure. Linear drive modules eliminate the Digital Signal Processor (DSP) from pluggable optical modules enabling lower power consumption, improving signal latency and reducing cost.

"Due to linear drive's benefits, the demand for linear pluggable optical (LPO) modules with MACOM PURE DRIVE technology is expanding. We are pleased to demonstrate a working example of 100G/lane switch-to-server connectivity leveraging this technology," said Ryan Latchman, Vice President, High-Performance Connectivity Product Marketing, MACOM.

"With leading 400G throughput and power consumption, Broadcom's BCM57608 NIC is highly optimized for AI/ML applications," said Andy Wesson, Director of Product Marketing, Data Center Solutions Group, Broadcom. "Taking advantage of Broadcom's SerDes technology leadership and MACOM's PURE DRIVE solution, LPO modules can deliver the thermal performance, low latency and interconnect resiliency that AI data centers require."

MACOM will host live demonstrations at OFC 2024 at booth #3025. To schedule a meeting to learn more about MACOM's Laser Drivers and TIAs, please reach out to sales@macom.com or visit www.macom.com.

About MACOM

MACOM designs and manufactures high-performance semiconductor products for the Telecommunications, Industrial and Defense and Data center industries. MACOM services over 6,000 customers annually with a broad product portfolio that incorporates RF, Microwave, Analog and Mixed Signal and Optical semiconductor technologies. MACOM has achieved certification to the IATF16949 automotive standard, the AS9100D aerospace standard, the ISO9001 international quality standard and the ISO14001 environmental management standard. MACOM operates facilities across the United States, Europe, Asia and is headquartered in Lowell, Massachusetts. To learn more, visit www.macom.com.

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