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September 14, 2017

MACOM Announces Availability of 2nd Generation 12G-SDI Cable Driver and Equalizer Family for Broadcast Video Applications

- MACOM will showcase the 2nd Generation 12G SDI Chipset at IBC 2017, Booth #10.D12
- MACOM's MACD-23528C Cable Driver exceeds all SMPTE ST 2081-1 and ST 2082-2 SMPTE standards
- MACOM's MAEQ-23644C/54C/64C are multi-rate, highly integrated solutions to support next-gen SDI video performance

LOWELL, Mass.--(BUSINESS WIRE)-- [MACOM Technology Solutions Inc.](#) ("MACOM"), a leading supplier of semiconductor solutions for broadcast video infrastructure, today announced the availability of the MACD-23528C 2nd Generation 12G Serial Digital Interface (SDI) Cable Driver and MAEQ-23644C/54C/64C 2nd generation 12G-SDI equalizer family. These long reach adaptive devices offer customers advanced performance solutions for 4K broadcast video applications.

MACOM's MACD-23528C cable driver exceeds all of the physical layer specifications noted in the SMPTE ST 2081-1 and ST 2082-2 standards. This 2nd generation device further improves performance by increasing the output signal's inner eye opening, lowering output jitter and extending cable reach. The MACD-23528C also incorporates a programmable pre-emphasis feature, which allows customers to completely optimize performance based on their own unique board and connector configurations.

MACOM's 12G SDI equalizer family includes the MAEQ-23644C, MAEQ-23654C and MAEQ-23664C devices, all providing adaptive, low noise, high gain equalization for 75 ohms coaxial cable at data rates from 19 Mbps to 11.88 Gbps. These devices are multi-rate, highly integrated cable equalizers with integrated relockers to support next generation SDI video performance. To request more information, please [click here](#).

"We are excited to announce the availability of this second generation chipset to our customers," said Mike Fukatsu, Product Marketing Director, High-Performance Analog, at MACOM. "By further improving upon the performance of our first generation chipset, MACOM enables broadcast equipment suppliers to bring to market 12G-SDI equipment with the longest cable reaches possible."

Featuring footprint compatibility with MACOM's first generation M23428 cable driver and M23544/54/64 equalizer family of devices, this second generation cable driver and equalizer family enables an upgrade path for existing designs with minimal changes to existing customers. Additionally, both the first and second generation 12G-SDI chipsets are footprint compatible with MACOM's high-performance, low power 3G equalizer families, enabling customers to easily future proof their 3G SDI designs for an easy migration to 12G.

MACOM's MACD-23528C cable driver and MAEQ-23644C/54C/64C equalizer family will be showcased at IBC 2017, Booth #10.D12, September 15th-19th in the RAI Exhibition and Convention Center in Amsterdam. To make an appointment, contact your local sales representative. For more information on MACOM's broad portfolio visit: www.macom.com.

ABOUT MACOM:

MACOM is a new breed of analog semiconductor company — one that delivers a unique combination of high growth, diversification and high profitability. We are enabling 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 data centers.

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 and 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 RF, microwave, millimeterwave and lightwave 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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