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## **MaxLinear Showcases Breakout Mode Clocking Support for 400 Gbps DR4 Optical Modules at ECOC 2018**

ROME--(BUSINESS WIRE)-- MaxLinear, Inc. (NYSE:MXL), a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for the connected home, wired and wireless infrastructure, and industrial and multimarket applications, today announced support for 400 Gbps breakout mode clocking in its MxL9354x products. The functionality will be on display at the company's stand (#684) at the European Conference on Optical Communication (ECOC) in Rome taking place from Sept. 24-26, 2018.

MaxLinear's Telluride 400 Gbps PAM4 DSP (MxL9354x), based on 100 Gbps single lambda technology, is enabling development of DR4 and FR4 optical modules for the upcoming hyperscale datacenter transition to 400 Gbps. The initial use case in this transition is expected to be dominated by use of 400 Gbps DR4 modules used in a breakout application.

The breakout mode of a 400 Gbps DR4 module requires certain clocking considerations that allow for the four 100 Gbps lanes to be treated as independent 100 Gbps ports and connect to a 100 Gbps DR1 or FR1 module on the other side. The unique clocking architecture of the MxL9354x makes it possible to achieve this requirement seamlessly.

The MxL9354x is a family of low-power, high-performance PAM4 DSP SoCs that enable 400 Gbps optical modules using a 4x100 Gbps optics interface. These SoCs are suitable for use within QSFP-DD, OSFP and COBO module form factors. Two options are currently available: the MxL93542 that integrates an EA-EML driver with 1.8V PP SE swing, and the MxL93543 that offers differential 800mV peak-to-peak swing for non EA-EML-based optics.

To schedule a meeting at ECOC and learn more about MaxLinear's metro and long-haul fiber optic solutions and see a live demonstration of the 400Gbps data center PAM4 DSP, please contact MaxLinear sales at [sales@maxlinear.com](mailto:sales@maxlinear.com).

### **About MaxLinear, Inc.**

MaxLinear, Inc. (NYSE:MXL) is a leading provider of radio frequency (RF), analog and mixed-signal integrated circuits for the connected home, wired and wireless infrastructure, and industrial and multimarket applications. MaxLinear is headquartered in Carlsbad, California. For more information, please visit [www.maxlinear.com](http://www.maxlinear.com).

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## Cautionary Note About Forward-Looking Statements

This press release contains “forward-looking” statements within the meaning of federal securities laws. Forward-looking statements include, among others, statements concerning or implying future financial performance, anticipated product performance and functionality, or trends and growth opportunities affecting MaxLinear, in particular statements relating to MaxLinear’s announcement of support for 400Gbps breakout mode clocking in its MxL9354x products. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from any future results expressed or implied by these forward-looking statements. We cannot predict whether or to what extent the availability of breakout mode clocking for 400Gbps optical modules will affect our future revenues or financial performance. Forward-looking statements are based on management’s current, preliminary expectations and are subject to various risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Forward-looking statements may contain words such as “will be,” “will,” “expected,” “anticipate,” “continue,” or similar expressions and include the assumptions that underlie such statements. The following factors, among others, could cause actual results to differ materially from those described in the forward-looking statements: intense competition in our industry and product markets; risks relating to the development, testing, and commercial introduction of new products and product functionalities; the ability of our customers to cancel or reduce orders; uncertainties concerning how end user markets for our products will develop; our lack of long-term supply contracts and dependence on limited sources of supply; potential decreases in average selling prices for our products; and the potential for intellectual property litigation, which is prevalent in our industry. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in MaxLinear’s filings with the United States Securities and Exchange Commission, including risks and uncertainties identified in our Quarterly Report on Form 10-Q for the quarter ended June 30, 2018. All forward-looking statements are qualified in their entirety by this cautionary statement. MaxLinear is providing this information as of the date of this release and does not undertake any obligation to update any forward-looking statements contained in this release as a result of new information, future events, or otherwise.

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