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## MaxLinear to Showcase Industry's First 400G Data Center Transceiver Chipset at OFC 2018

- *Telluride chipset accelerates the transition from 100Gbps to 400Gbps optical connectivity by enabling 100Gbps per wavelength technology*

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear, Inc. (NYSE:MXL), a leading provider of communication SoCs for optical communications that integrate radio frequency (RF), broadband analog and mixed-signal integrated circuits, digital signal processing and modems, will showcase the industry's first 400Gbps transceiver chipset at the Optical Networking and Communication Conference & Exhibition (OFC) in San Diego, CA, from March 13-15, 2018.

The Telluride chipset addresses the intensifying demands for efficient processing of burgeoning internet traffic by enabling hyperscale data centers to transition from 100Gbps to 400Gbps optical interconnects.

Confirmed guests to the company's meeting room will witness the best-in-class performance of this industry leading chipset that includes products from the recently announced Telluride product family; the MxL9354X PAM4 DSP SoC, and the MxL9154 56Gbaud PAM4 TIA.

The MxL9354X is a family of low-power high-performance PAM4 DSP SoCs that enable 400Gbps optical modules using a 4x100Gbps 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.

The MxL9154 is a quad linear TIA that supports 4x100Gbps receiver optical sub assembly (ROSA) modules. This TIA offers very low input referred noise of 11pA/√Hz and linearity better than 3 percent while consuming only 200mW per channel.

The Telluride chipset enables optical module vendors to utilize the latest PAM4-based 100Gbps wavelength technology and deliver solutions with the best overall performance, power and cost.

"Rapid growth in cloud computing is driving the datacenter transition from 100G optical interconnects to 400Gbps based on 4x100G technology," said Justin Abbott, Senior Product Line Manager at Lumentum. "We are pleased to see the introduction of MaxLinear's 400Gbps chipset as it enables optical module vendors to accelerate the industry's transition to 400Gbps."

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

MaxLinear would like to thank various ecosystem partners, such as Keysight Technologies, who provided valuable high-speed optical equipment and components to make this technology showcase possible.

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

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. 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 Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements include, among others, statements concerning the Telluride product family and statements concerning or implying the performance of MaxLinear's technologies, their potential use cases, and the potential impact of these technologies on our business and future operating results. These forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results to be materially different from any future results expressed or implied by the forward-looking statements. Forward-looking statements are based on management's current, preliminary expectations. In particular, our future operating results are substantially dependent on our assumptions about market trends and conditions and our expectations with respect to recently completed acquisitions, including our ability to integrate our recently completed acquisition of Exar Corporation. Additional risks and uncertainties arising from our operations generally and our recently completed acquisitions include intense competition in our industry; our dependence on a limited number of customers for a substantial portion of our revenues; uncertainties concerning how end user markets for our products will develop; potential uncertainties arising from continued consolidation among cable television and satellite operators in our target markets and continued consolidation among competitors within the semiconductor industry generally; our ability to develop and introduce new and enhanced products on a timely basis and achieve market acceptance of those products, particularly as we seek to expand outside of our historic markets; potential decreases in average selling prices for our products; risks relating to intellectual property protection and the prevalence of intellectual property litigation in our industry; indemnification obligations of Exar arising from a recent divestiture; the impact on our financial condition of acquisition indebtedness and cash usage arising from the Exar transaction; our reliance on a limited number of third party manufacturers; and our lack of long-term supply contracts and dependence on limited sources of supply. In addition to these risks and uncertainties, investors should review the risks and uncertainties contained in our filings with the Securities and Exchange Commission (SEC), including the information under the caption "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2017. All

forward-looking statements are based on the estimates, projections and assumptions of management as of the date of this press release, and MaxLinear is under no obligation (and expressly disclaims any such obligation) to update or revise any forward-looking statements whether as a result of new information, future events, or otherwise.

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