



# MaxLinear Partners with Gossell to Deliver Low Cost dCSS LNB and 4K STB System Solution for Satellite TV Operators Worldwide

- *MxL80x Ku-Band downconverter and MxL862 digital channel stacking ICs driving the transition from universal LNBs and single-tuner STBs to 4K/HD PVRs with multiple tuners and single-cable dCSS LNBs*

AMSTERDAM--(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 a reference design with Gossell Digital Technology for the industry's first complete system solution allowing satellite TV operators to deploy advanced, multichannel 4K/UHD and HD services with a scalable, cost-effective hardware and software platform.

The new reference platform from Gossell combines MaxLinear's MxL80x satellite RF downconverter and MxL862 digital channel stacking switch (dCSS) ICs. The solution is targeted at small- to mid-size satellite operators worldwide.

Traditionally, universal single and twin LNBs have been used by operators with single-tuner zapper and dual-tuner PVR set-top boxes to deliver simple, broadcast satellite TV to a single user or home. SNL Kagan (2017) projects that more than 97 percent of the estimated 33 million global set-top box shipments in 2017 will be single- and dual-tuner boxes.

However, with the recent mass proliferation of consumers viewing video content on their mobile phones, combined with advancements in home networking technology and a multitude of HD-capable video screens in homes today, consumers are demanding the ability to watch, record and time-shift multiple channels whenever and wherever they choose.

Such services previously required highly customized, expensive equipment that only the largest service providers could justify. Now, with the commercial availability of highly integrated Ku-downconverter, dCSS LNB, and single-chip Full-Spectrum Capture™ (FSC™) satellite frontend ICs from MaxLinear, it's possible for operators to develop advanced technology solutions within a modest capital expense budget.

The latest dCSS LNB and PVR STB solution from Gossell includes the following features:

- 32-user band dCSS LNB

- Software programmable channel grid and bandwidth
- Single cable (Unicable) distribution from LNB to the home
- Four-tuner PVR STB with fast channel change, recording and streaming functions
- 4K/UHD decoding and watch plus record multiple channels
- Transcoding and streaming to portable Wi-Fi devices

"We put a high value on innovation and creating the next-generation of satellite products, and the opportunity to enable our customers to provide such high-quality services targeting a brand-new market is very exciting to us," said Zhao Mulin, Vice General Manager of Gopell Digital Technology Co., Ltd. "The technology from MaxLinear allowed our engineers to develop this leading-edge solution."

"This reference design is important because it provides a complete system solution for smaller satellite operators," said Will Torgerson, Vice President & General Manager of the Broadband Group at MaxLinear. "Gopell is an ideal partner for this project because they've been able to leverage multiple MaxLinear technologies into cost-effective solutions that will drive new revenue streams for their customers."

### **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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### **About Gopell Digital Technology**

Gopell Digital Technology Co., Ltd. designs, produces, and sells digital TV terminals, system software, and other related products. Gopell Digital Technology, based in Chenzhou, China, markets its products worldwide. More information can be found on the company's website: <http://www.gopell.com/>.

### **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 our reference design win with Gopell Digital Technology and statements concerning or implying the performance of MaxLinear's technologies, their potential use cases, and the potential impact of these technologies or our design win with Gopell 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, 2016 and our Quarterly Report on Form 10-Q for the quarter ended June 30, 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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**MaxLinear Inc. Press Contact:**

The David James Agency LLC

David Rodewald

+1-805-494-9508

[david@davidjamesagency.com](mailto:david@davidjamesagency.com)

or

**MaxLinear Inc. Corporate Contact:**

Will Torgerson

Vice President & General Manager of the Broadband Group

+1-760-692-0711

[wtorgerson@maxlinear.com](mailto:wtorgerson@maxlinear.com)

Source: MaxLinear, Inc.