Credo Demonstrates Robust, Low-Power 112G PAM4 Solutions at OFC 2018 Accelerating End-to-End 112G HyperScale Cloud Connectivity

March 12, 2018

San Diego, CA, March 12, 2018 | Credo, a global innovation leader in Serializer-Deserializer (SerDes) technology, today announced it will conduct optical and electrical demonstrations utilizing its low power, high performance 112Gbps (G) PAM4 SerDes technology and solutions at the 2018 Optical Networking and Communication Conference (OFC). The 112G SerDes technology was developed in mature TSMC process technologies. For 112G per lambda optical connectivity (i.e., DR, DR4, FR4), Credo has delivered product solutions in TSMC 28nm. For 112G electrical VSR and LR reaches, Credo has delivered the solutions in TSMC 16nm. The conference starts today at the San Diego Convention Center, with exhibits taking place March 13–15.

“Credo’s ability to deliver leading edge performance at the industry’s lowest power in mature TSMC process nodes enables rapid time-to-market at a cost structure that will accelerate the transition to the 112G connectivity radix,” said Jeff Twombly, vice president of business development at Credo. “hyperscale cloud providers want to move to single lane rate 112G connectivity as soon as possible. We are aggressively working with strategic ecosystem partners for 2019 trials which will enable production scale ramping in 2020.”

“112G SerDes is a critical technology for the networking space. It will enable next generation 400 Gbps and 800 Gbps switching platforms in the data center for the cloud hyperscalers and become an important technology for datacenter interconnect, enterprise, and service provider markets, “ said Alan Weckel founder of 650 Group. “With market shipments of 56G SerDes in 2018, the market will see 112G SerDes based products by 2020 which we believe will help propel the data center switching forward in the next decade.”

Credo will demonstrate it’s 28nm 112G PAM4 Retimer DR device (CMX125100KP) in a full TOSA-ROSA optical link demonstration on the show floor in the Keysight booth #2501.

Credo’s 112G PAM4 electrical reach demonstrations will be on the show floor in the OIF booth #5525.

OIF Delivers on Another Industry First!

OIF member companies have teamed up to demonstrate significant progress in delivering an interoperable ecosystem of suppliers and solutions for critical market needs:

- FlexE (Flex Ethernet)
- *112 Gbps / lane live electrical signaling*
- End to End (host to host) optical link using electrical 56 Gbps VSR, included in newly released CEI 4.0