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**[SAMTEC LOGO] March 2018**

**Samtec Showcases Latest Active Optical and Flyover**™ **Solutions at OFC 2018**

**New Albany, IN:** Samtec, a privately held $713MM global manufacturer of a broad line of electronic interconnect solutions, will showcase and demonstrate the their latest active optical and Twinax FireFly™ solutions.

Next-generation optical communication and networking applications must solve multiple technical challenges including higher data rates, increased system and chassis density, and improved signal integrity. Samtec’s diverse product and technology portfolio provides system designers architectural solutions to the challenges face by the industry.

**OFC 2018 Demonstrations**

* Optimized Modular Switch Architecture via Flyover QSFP-DD Solutions
  + Samtec Flyover QSFP-DD solutions provide improved thermal efficiencies and compact cable management in modular switch architectures in a 1U 19” chassis form factor
* Samtec Flyover QSFP-DD-enabled 56 Gbps PAM4 Modular Switch Architecture
  + The combination of industry leading 56 Gbps/112 Gbps PAM4 ICs with Samtec’s FQSFP-DD and AcceleRate® Cable solutions provide an ideal flyover proof-of-concept for next-gen data center applications
* Samtec COBO 112 Gbps PAM4 Demonstrator
  + Highlights a single-channel proof-of-concept platform achieving 112 Gbps PAM4 data rates using a silicon photonics optical engine in a COBO form factor
* Low-power, 50 Gbps NRZ FPGA SerDes over FireFly™ Edge Card Socket
  + Demonstration of next-gen, low power Xilinx SerDes test chips operating at 50 Gbps NRZ data rates (and beyond) via a Samtec FireFly™ Edge Card Socket (UEC5-2 series) in a VITA 57.4 FMC+ form factor
* 28Gbps FireFly™ on Xilinx Virtex UltraScale+ FPGA VCU118 Evaluation Kit
  + Highlights a low latency, high performance, mid-board optical engine passing 112 Gbps (4 x 28 Gbps) of data, without FEC, and which fully complements the Xilinx Virtex UltraScale+ FPGA GTY transceivers
* Samtec PCIe®-Over-Fiber Adaptor Card (PCOA Series)
  + Demonstrates long distance PCIe Gen 3 extension interfaces in computer-to-end point applications by transferring UHD 4k video over 100 m of fiber
* Customized Mid-board Optical Engines in Novel Customer Applications
  + Samtec and its partners will showcase real world applications that showcase the adaptability of the FireFly™ Micro Flyover System™

“OFC 2018 offers the perfect opportunity for Samtec and it’s partners to demonstrate next-generation optical and flyover solutions,” said Adam Linderman, Global Business Development Manager for Samtec Optical Group. “The combination of Samtec’s advanced packaging and assembly capabilities and our growing optical technology portfolio position Samtec as a leader in the electro-optical industry.”

These next gen demonstrations can be found in Booth 2123 at OFC 2018 at the San Diego Convention Center in San Diego, CA from March 13-15, 2018.

For more information on the Samtec’s FireFly™ Micro Flyover System™, please view the Chalk Talk webinar [Mid-Board Optics – An Alternative to Pluggable MSA Solutions](http://www.eejournal.com/chalk_talks/mid-board-optics-an-alternative-to-pluggable-msa-solutions/),download the [FireFly™ Application Design Guide](http://suddendocs.samtec.com/ebrochures/firefly-brochure.pdf), visit [www.samtec.com/optics](http://www.samtec.com/optics) or e-mail our technical experts at [optics@samtec.com](mailto:optics@samtec.com).

**About Samtec, Inc.**

Founded in 1976, Samtec is a privately held, $713MM global manufacturer of a broad line of electronic interconnect solutions, including IC-to-Board and IC Packaging, High-Speed Board-to-Board, High-Speed Cables, Mid-Board and Panel Optics, Flexible Stacking, and Micro/Rugged components and cables. Samtec Technology Centers are dedicated to developing and advancing technologies, strategies and products to optimize both the performance and cost of a system from the bare die to an interface 100 meters away, and all interconnect points in between. With 33 locations in 18 different countries, Samtec’s global presence enables its unmatched customer service. For more information, please visit <http://www.samtec.com>.

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