

FOR IMMEDIATE RELEASE – JANUARY 2017

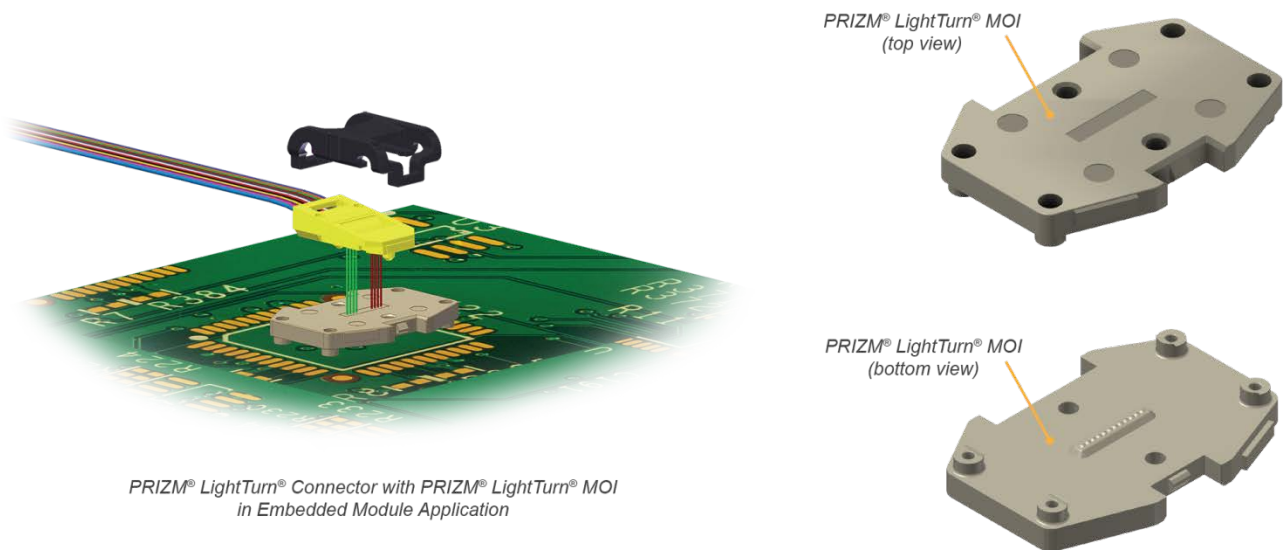
Next Generation PRIZM® LightTurn® Mechanical-Optical Interface for 25+ Gbps

SAN FRANCISCO, CA – January 30, 2017 – US Conec, a global leader in the design and development of high-density optical interconnects, announces today the commercial release of the next generation PRIZM® LightTurn® mechanical-optical interface (MOI) optimized for 25+ Gbps VCSEL based links. Used in embedded module applications, the MOI is designed for efficient coupling between on-board active components and US Conec's PRIZM® LightTurn® connector, which utilizes expanded beam lensed ferrule technology. US Conec will present a joint paper at the Photonics West Exhibition in San Francisco today on the theoretical and empirical results for the new PRIZM® LightTurn® MOI 25+ Gbps.

In today's world of progressively faster communications and data processing rates, improvements are necessary in the optical links between active optical devices. With the evolution of 10 Gbps to 25 Gbps and beyond, the critical components of VCSELs and photo-diodes (PD) must be redesigned to comprise more stringent part and assembly tolerances for maintaining system performance. In order to achieve higher response speeds, the PD must be reduced, necessitating a dramatically reduced available aperture.

"Understanding that coupling optimization between the reduced aperture optics and fiber optic connectors is increasingly critical to the performance of the systems, US Conec redevelops its PRIZM® LightTurn® MOI into a next generation design for efficient coupling of faster active VCSEL/PD arrays to fiber optic connectors," said Ms. Sharon Lutz, US Conec Ferrules Product Manager. "The PRIZM® LightTurn® MOI 25+ Gbps accommodates a wider variety of transceiver architectures by taking into account the chip driver and wire-bond clearance requirements while optimizing the optical lens design to maximize coupling performance for both Tx and Rx."

Join us at the Photonics West Exhibition today to learn more. Ms. Sharon Lutz will be presenting the paper "A Mechanical-Optical Interface for 25+ Gbps VCSEL/PD Fiber Coupling" from 3:55pm–4:15pm Pacific Time. The white paper can be viewed online at: <http://www.usconec.com/resources/Technical%20Papers/white-papers>.



*PRIZM® LightTurn® Connector with PRIZM® LightTurn® MOI
in Embedded Module Application*

About US Conec

US Conec is a global leader in the design and development of high-density optical interconnects. With 25 years of innovative experience, the company provides industry leading components for data center and enterprise structured cabling, public networks, circuit board interconnect, industrial and military markets worldwide. Key product developments include single-mode and multimode MT-style and contract multi-fiber ferrules, MTP® brand MPO connectors, MXC® connectors, PRIZM® LightTurn® and PRIZM® MT lensed ferrule technology, fiber optic cleaning solutions, termination equipment for multi-fiber interconnects, and high precision optical packaging components. US Conec is headquartered in Hickory, North Carolina, and is an equity venture of three leading communications technology companies—Corning Optical Communications, Fujikura, and NTT-AT.

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