

MMC Connector

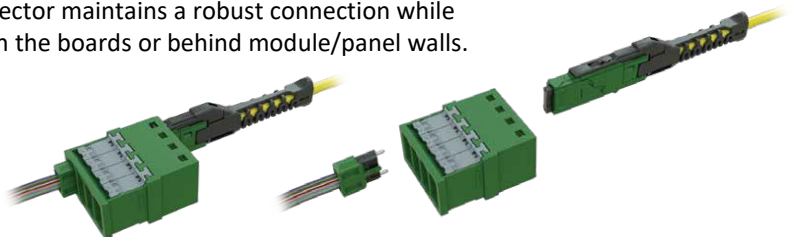
US Conec's MMC connector is a Very Small Form Factor (VSFF) multi-fiber optical connector designed for termination of single-mode and multimode fiber cables up to 2.5mm in diameter. The MMC connector employs novel TMT ferrule technology harmonized with the MT or MT-16 alignment structure. Individual connector access in the most extremely dense connector environments is easily accomplished using revolutionary DirectConec™ push-pull boot technology.




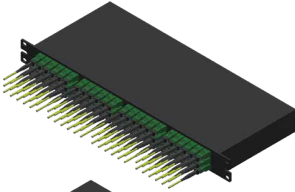



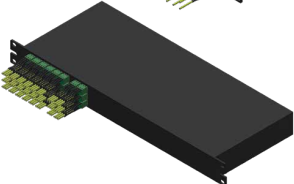
MMC Jr. and Adapter/Receptacle

The smaller footprint of the MMC Jr. connector maintains a robust connection while minimizing valuable space consumption on the boards or behind module/panel walls.

Optimized for:

- Transceivers
- On-board optics
- Module applications



MPO					MPO 864 fibers in 1RU using 12F MPO connectors 1,152 fibers in 1RU using 16F MPO connectors 1,728 fibers in 1RU using 24F MPO connectors
	1x16	1x12	2x12		
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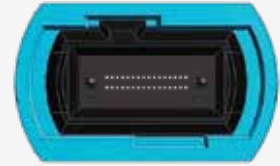




1 x 16 fiber



2 x 16 fiber



MTP®-16 Connector

The MTP®-16 connector family encompasses the 16 fiber MT ferrule, connector hardware, and bulkhead adapters. Utilizing the same external footprint as the existing traditional 12 fiber MT ferrule, the 16 fiber MT Elite® is available in one or two rows of 16 fibers and leverages all the proven features and technology of our traditional PPS MT ferrules.

The connector hardware offers a unique keying feature as opposed to the centered keying feature on the traditional MPO hardware. This new keying design, standardized by TIA 604-18 (FOCIS 18), IEC (61754-7-3) and IEC (61754-7-4), ensures proper mating of the MTP®-16 connector without inadvertently mating the 16 fiber connector hardware with standard MPO compliant hardware. MTP®-16 adapters are available in full or reduced flange mounting and opposed or aligned key orientation.

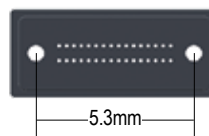
Features:

- 1x16 and 2x16 fiber MT ferrules
- Standard MTP® and MTP Elite® performance
- Highest density physical contact
- Fiber pitch: 0.25mm within row; 0.50mm between rows
- Available in MM, MME, MME APC, SM APC, & SME APC
- Same external footprint as traditional MT ferrules
- Extremely low hygroscopic material for exceptional environmental stability
- Connector latching optimized to reduce debris generation
- US Conec patented elliptical guide pin shape
- Standard MTP®, SC, and SC duplex footprint flanged and reduced flanged adapters

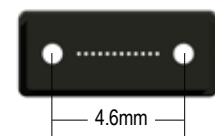
Applications:

- Aggregation of multiple 8 fiber parallel optic transceivers
- Direct coupling to emerging 16 fiber parallel optic links (8 Tx / 8 Rx, e.g. 400G QSFP-DD, OSFP)
- High density structured cabling applications

MTP®-16 MT Ferrule



Traditional MT Ferrule



MTP®-16 Adapter



Traditional MTP® Adapter

