

## VSFF Connector Solutions with DirectConec™ Push-Pull Technology



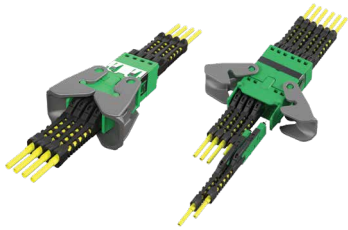
### MMC Connector

The revolutionary MMC connector ushers in a new era of high density, low insertion loss connectivity. Employing DirectConec™ push-pull technology, the MMC connector enables the highest functional fiber density available in the market. Simplified gender and polarity management greatly reduces the complexity associated with MPO cabling infrastructure. A full array of adapter variants including shuttered adapters are available.



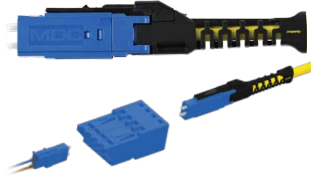
### In Rack / On Card MMC Solutions

US Conec's streamlined ribbon and bend-relief MMC solutions are ideal for architectures requiring fiber demarcation points inside equipment with integrated optics. These novel, compact solutions utilize standard MMC adapter ports and can be blind mated, mounted on-board, or used within high density front panel card edge applications.



### MDC and MMC Mass Insertion Solutions

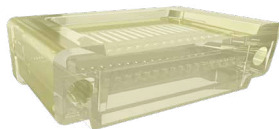
MDC and MMC connectors are designed to be aggregated for mass insertion enabling faster deployments. Factory pre-arrangement of cables reduces field port mapping errors. Ganged MDC and MMC connectors are designed to maintain the VSFF MSA standardized pitch of 3.9mm, allowing single and ganged connectors in the same adapter. Larger port count ganged solutions include novel features to eliminate high insertion force challenges.



### MDC Connector

US Conec's ELiMENT® brand MDC connector solutions support 3x cabling density over the LC format. The novel DirectConec™ push-pull system used to insert and extract via the flexible connector boot enables a new realm of usable density. MDC Senior and MDC Junior solutions are available.

## PRIZM® TMT Ferrule Technology



### PRIZM® TMT Ferrule Technology

US Conec has now developed next generation, SM, low-loss, high density, lensed ferrules in the TMT footprint. This breakthrough enables expanded beam connectivity in the prevalent MMC connector embodiment featuring precision SM expanded beam connectivity micro holes for scalable and automatable passive fiber to lens alignment. PRIZM® TMT ferrules ensure rapid deployment in high density applications reducing time spent cleaning and troubleshooting during installation.

## TMT Ferrule Conversion Solutions

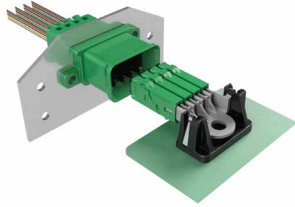


### TMT Ferrules in MT Connector Formats

Due to the unique interoperability between TMT and MT ferrules, US Conec's high performance TMT ferrules can now drop into MT based connector embodiments. MTP® solutions are now able to leverage the high performance, superior environmental stability, scale and automatability of the TMT ferrule format deployed in MMC cabling solutions.

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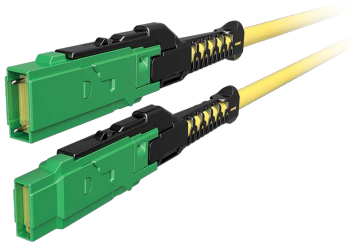
## MMC Blind Mate Solutions



### Ganged MMC Blind Mate Connectors

The MMC platform has continued to proliferate with a revolutionary blind mate solution. The novel design employs X, Y and Z floating on the daughter card side with a generous +/- 1mm card to chassis mounting registration tolerance in all three axes. The fixed adapter on the backplane accepts standard MMC or MMC mini plug variants with individual ferrule granularity. MMC blind mate solutions are compatible with TMT and PRIZM® TMT ferrules and can be configured with an individual shutter for each connector.

## MMC Expanded Beam Solutions



### MMC Connectivity for PRIZM® TMT Expanded Beam Ferrules

MMC Connectors for PRIZM® TMT ferrules are uniquely designed to protect and prevent finger contact with the molded PRIZM® TMT polymeric optical ferrule. While still accessible for inspection and cleaning, the novel design recesses the ferrule below the connector endface for both the pinned and non-pinned connector plugs. MMC Connectors for PRIZM® TMT applications also employ keying features to eliminate insertion into ports designed for physical contact MMC solutions.

## Harsh Environment Connector Solutions



### HEC-DC Connectors

US Conec's new HEC-DC hardened connector family combines robust and reliable performance with advanced functionality and unrivaled ease-of-use. The patented DirectConec™ boot enables simple, secure installation via push-n-click insertion and twist-boot-to-release extraction. No tools required! The small, 19mm outer housing means connectors can be tightly nested together, yet easily removed with one hand. The HEC-DC also offers GR-compliant reliability and the optical performance and customer support you've come to expect from US Conec.



### HEC-TAP Connectors

US Conec's HEC-TAP connector is an OptiTap®-compatible outside-plant connector solution that enables users to access and expand the vast installed base of this proven SC-based design. The connector utilizes a threaded coupling mechanism, rugged ferrule protection features, and a robust housing and boot that is proven to meet the challenging requirements of Telcordia GR-3120-CORE. Both flat drop and round cable versions are available.

## IBC™ Cleaning Solutions



### IBC™ MMC and MMC-16 Cleaners

The US Conec IBC™ MMC Cleaner uses the same superior, high quality cleaning cloth as all IBC™ cleaners, while at the same time, incorporating a nozzle and tip to access individual behind the wall connectors while not disturbing adjacent MMC connectors.

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