

MMC optical module



Overview

MMC® is a multi-fiber connector platform that offers higher port density and a more compact form factor compared to traditional MPO/MTP® solutions. Helping data centers optimize space and density to meet AI-driven demands for increased capacity and performance, the Molex MMC system leverages a very small form factor (VSFF) design to achieve higher density within the same footprint. MMC Cable Assemblies and Adapters are available with 16 or 24. The MMC connector ushers in a new era of high density, low insertion loss connectivity by combining a reduced size, MT-style ferrule (TMT) with a novel very small form factor (VSFF) connector embodiment to satisfy these requirements across multiple data center application spaces, including. The MMC ® Connector with PRIZM ® TMT ferrule extends the MMC platform with a lens-based expanded beam interface that enables passive alignment, debris tolerance, scalable manufacturing, and blind-mate connectivity as architectures evolve. The ganged MMC connector is specifically engineered to. Continental Optronics is proud to announce our support and production of MMC Connector Solutions —the latest innovation in ultra-high-density fiber connectivity developed by US Conec. Designed to meet the evolving demands of hyperscale data centers, AI/ML infrastructure, and next-generation. When every square inch matters, MMC helps you reclaim space without compromising performance. You don't need more complexity - you need flexible infrastructure that installs cleanly and adapts quickly when specs or timelines change. Employing novel TMT ferrule technology harmonized with the proven MT-16 alignment structure, the MMC delivers 3x.

Article Content

MMC Connector Solutions

MMC connectors enable enhanced optical and mechanical performance over MPO connectors.

MMC® assemblies

The MMC Loopback - 24F supports testing of optical interfaces based on 24-fiber MMC connectors. It ensures reliable functionality testing and is suitable for use in development labs, production lines, ...

Presentation

MMC Cable Assemblies and Adapters support higher-density, low-loss optical connectivity by leveraging a miniaturized very small form factor (VSFF) design to consolidate more fibers into a smaller footprint.

MMC — Continental Optronics

Designed to meet the evolving demands of hyperscale data centers, AI/ML infrastructure, and next-generation networking, MMC connectors enable dramatically higher fiber counts in smaller ...

Sylex MMC® Connector Solutions - High-Density Fiber Optic ...

Sylex designs and manufactures a wide portfolio of cable assemblies, fan-outs and loopback modules based on MMC®, leveraging its long-standing expertise in optical interconnects ...

MMC - WCFO

WCFO is an industrial provider of optical fiber connectivity products and solutions for Datacom/Telecom markets. We provide the worldwide market with a broad range of passive fiber optic products and ...

MMC Cable Assemblies and Adapters

MMC Cable Assemblies and Adapters are available with 16 or 24 fibers, providing higher cabling port density and low-loss performance in a compact design to support high-bandwidth applications.

MMC Connectors for Hyperscale AI Data Centers | Corning

MMC connectors enable higher fiber counts in smaller footprints and support advanced connectivity models, making them well suited for next-generation architectures like near-packaged optics and ...

MMC Connectors | Fibertronics, Inc.

MMC Connectors are small form factor multi-fiber optical connector designed for termination of singlemode and multimode cables.

MMC Cable Assemblies

When every square inch matters, MMC helps you reclaim space without compromising performance. You don't need more complexity - you need flexible infrastructure that installs cleanly and adapts ...

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.budowasilesia.pl>

Email: contact@budowasilesia.pl

Phone: +48 537 192 846

Address: ul. Chorzowska 45, 40-001 Katowice, Silesian Voivodeship, Poland

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