

Optical Module Connector Manufacturers



Overview

This section provides an overview for optical connectors as well as their applications and principles.

Key Takeaways

Leading optical module connector manufacturers include Bel, JT, INC., Fibertronics, Molex, Innolight, Eoptolink, Huagong Tech, Linktel, and Accelink. Top Manufacturers and Their Offerings



1. Bel, JT, INC., and Fibertronics These companies are recognized as top-ranked optical connector manufacturers, providing a wide range of connectors for telecommunications, data centers, and industrial applications. They specialize in push-pull and screw-tightening types, offering versatility for frequent or permanent connections . 2. Molex Molex offers an extensive portfolio of fiber optic connectors, adapters, and cable assemblies. Their solutions include high-density interconnects, very small form factor (VSFF) connectors, and advanced systems for 400G QSFP-DD and OSFP transceivers. Molex also provides co-packaged optics (CPO) and routed ribbon solutions for efficient fiber routing and high-performance data center applications . 3. Innolight, Eoptolink, Huagong Tech, Linktel, Accelink These manufacturers focus on high-speed optical modules and devices, including 100G, 200G, 400G, and 800G modules. They serve cloud data centers, telecom operators, and backbone networks. Accelink, for example, provides end-to-end solutions from chips to modules and subsystems, supporting optical transmission networks and access networks . 4. Upstream Component Suppliers Companies like TFC, T&S Communications, Advanced Fiber Resources, Borui Technology, and Optowide Technologies supply optical devices and components used in module assembly. High-speed PCB and optical chip manufacturers such as Yuanjie Semiconductor and Shijia Photons are also key players in the upstream supply chain .

Connector Types and Applications

- LC, SC, ST, MPO/MTP connectors: Common in data centers, telecom, and industrial environments.
- Push-pull connectors: Allow easy insertion and removal, ideal for frequent reconnections.
- Screw-tightening connectors: Provide strong, permanent connections for stable optical links.
- High-density and ruggedized connectors: Designed for harsh environments, high vibration, or outdoor use .

Considerations for Choosing a Manufacturer

- Performance requirements: Insertion loss, return loss, and durability.
- Application environment: Indoor, outdoor, or industrial conditions.
- Connector compatibility: Ensure compatibility with existing fiber types and transceivers.
- Support and services: Design, manufacturing, and value-added services like pre-terminated assemblies or custom solutions. These manufacturers collectively cover a broad spectrum of optical connector needs, from standard telecom applications to high-speed, high-density data center deployments.

Article Content

27 Optical Connector Manufacturers in 2026

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Top 10 Optical Module Brand & Manufacturers

Type of Optical Module: Choose the right type of optical module based on factors such as form factor, application scenario, and

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Optical Solutions

As a leading supplier of advanced fiber optic components, Molex has an extensive product offering that

Optical fiber connector

Optical fiber connectors are categorized into single-mode and multimode types based on their distinct

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US Conec designs and manufactures a full suite of industry leading connector embodiment packages based on standardized and

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Find your optical connector easily amongst the 84 products from the leading brands (LEMO, Hirose,

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