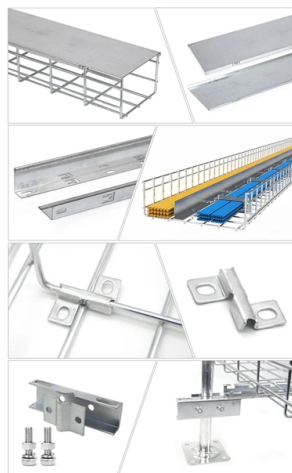


Optical Module FPC Manufacturer



Overview

46 FPC Manufacturers in 2026 This section provides an overview for fpcs as well as their applications and principles. Also, please take a look at the list.

Key Takeaways

Leading FPC manufacturers for optical modules include Nippon Mektron, Zhen Ding Tech, Interflex, MFLEX, and Millennium Circuits, with strong production hubs in China, Korea, and Japan. Key Global FPC Manufacturers

- Nippon Mektron, Ltd. – Established in Japan, specializes in FPC modules for mobile, automotive, robotics, and wearable devices, with experience in high-precision and multi-layer FPCs suitable for optical module integration .
- Zhen Ding Tech. Group – Based in Taiwan and China, offers a full range of PCBs including flexible circuits, rigid-flex, and chip-on-film (COF) modules, supporting high-density interconnections required in optical modules .
- Interflex – South Korea-based manufacturer with global production hubs in Korea, China, and Vietnam, known for rigid FPCs and build-up FPCs, suitable for miniaturized optical module designs .
- MFLEX – A top-ranked FPC supplier with expertise in flexible circuits for consumer electronics and high-speed applications, including optical communication devices .
- Millennium Circuits Limited – Offers advanced FPC solutions with capabilities for complex, multi-layer designs, often used in high-speed and precision applications like optical modules .

Chinese FPC Manufacturing Clusters

China is a dominant hub for FPC production, particularly in:

- Guangdong Province (Shenzhen, Dongguan, Guangzhou) – Mature supply chains, extensive component sourcing, and high-volume production capabilities .
 - Jiangsu Province (Suzhou) – Focused on technological advancement and specialized FPC production .
 - Zhejiang Province – Growing number of capable suppliers for complex FPCs .
- Notable Chinese suppliers include Shenzhen Wanfeng Technology, Zhejiang Wenda Electronics, Shenzhen Pengda Circuit, Shenzhen Qiweiyuan Electronics, and Shenzhen Guozhi Electronic, all offering high-quality, rapid-turnaround FPCs suitable for optical modules .

Considerations for Optical Module FPCs

When selecting an FPC manufacturer for optical modules, consider:

- High-density interconnections – Ability to produce fine lines and multi-layer FPCs.
- Precision and tolerances – Etching accuracy, registration, and automated optical inspection (AOI) capabilities .
- Material expertise – Polyimide, copper, and adhesives compatible with optical module assembly .
- Prototyping and testing – Rapid prototyping and compliance with optical industry standards .
- Global production and logistics – Proximity to optical module assembly sites for streamlined supply chains . By focusing on these manufacturers and regions, companies can source FPCs that meet the stringent requirements of high-speed optical modules used in data centers, telecom networks, and cloud infrastructure.

Article Content

Top 10 Optical Module Brand & Manufacturers

Find the Top 10 Optical Module brand, manufacturers, and exporters. Get the contact details and addresses of companies producing

Optical Module Manufacturer & AI Server Parts Supplier

Topstar -- Your Excellent One-stop Optical Network Transceiver Manufacturer in the World Topstar is a leading optical modules

Camera Module Solutions | USB, MIPI & Custom Camera Modules

Our experience in optoelectronic integration and image processing enables us to deliver high-performance camera module solutions.

Fiber Optic Passive Device Manufacturer ODM JDM | HYC Co., Ltd

Innovative ODM/JDM of Passive Optical Components Founded in 2000, HYC Co., Ltd (HYC) is an innovative ODM/JDM of passive

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The rapid development of AIGC has promoted the demand for 800G optical modules, and the entire industrial chain

Top 10 Optical module manufacturers in the World 2025

Are you curious about which optical module manufacturers stand out in today's competitive market? Understanding the top factories

Optical Transceiver Companies

Cisco Systems, Inc. offers optical transceiver modules used in various networking applications, ranging from campus to data centers

Touch Panel LCD Module | NORITAKE ITRON CORP.

For people who seek a small-to-middle sized touch monitor Ideal for embedding in industrial equipment Touch Panel LCD Module

Amphenol Connectors | Cable Assemblies | Interconnects | Mobile,

Amphenol Communications Solutions (ACS), a division of Amphenol Corporation, is a world leader in interconnect

Source Photonics: Leading Global Manufacturer of Optical Transceivers

Our technical expertise in R&D runs deep with manufacturing process development expertise and highly specialized engineering

Top 10 Optical Module Brand & Manufacturers

Operating and using optical modules correctly may require some technical knowledge, and the manufacturer should offer resources

10 companies in the optical transceiver industry chain 2024

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

