

PCB manufacturers for optical modules



AI Overview

Key PCB manufacturers for optical modules include Innolight, Eoptolink, and South-Electronic, known for their high-performance PCBs tailored for optical communication applications. Notable PCB Manufacturers

Innolight: A global leader in datacom optical modules, Innolight specializes in high-end optical communication modules and devices, integrating R&D, design, packaging, testing, and sales.

Eoptolink: This company is recognized for its optical transceiver products and is involved in the manufacturing of PCBs that support optical modules.

South-Electronic Co., Ltd.: Founded in 2001, South-Electronic is a leading PCB manufacturer in China, focusing on high-performance, multi-layer, flexible, and HDI PCBs, particularly for optical communication applications.

TTM Technologies: A global leader in printed circuit boards, TTM Technologies manufactures high-quality PCBs for various industries, including optical systems, ensuring precision and high-performance transmission capabilities.

Unimicron Technology: Known for its expertise in advanced multi-layer PCBs, Unimicron provides critical PCB solutions for optical communications and fiber optic systems, focusing on high-speed, low-loss transmission.

Conclusion These manufacturers are at the forefront of producing PCBs specifically designed for optical modules, catering to the growing demand for high-speed data transmission in modern communication systems. When selecting a PCB manufacturer, consider their specialization in optical applications, quality control standards, and technological capabilities to ensure they meet your project requirements.

Article Content

Optical PCB Manufacturing: Precision Design for Photonics Modules

This guide explains how to spec, design, assemble, and qualify an optical PCB so it can move from prototype builds into stable production for photonics, imaging, sensing, and display hardware.

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 industry chain for you.

Semiconductor & System Solutions | Infineon Technologies

Infineon Semiconductor & System Solutions - MCUs, sensors, automotive & power management ICs, memories, USB, Bluetooth, WiFi, LED drivers, radiation h

Optical Module Printed Circuit Board

Optical module printed circuit boards serve as the pivotal platform for achieving electro-optical signal conversion, occupying a crucial position within high-speed communications and data centre domains.

Optical Module PCB

Optical Module PCB refers to the printed circuit board (PCB) used within optical modules. It serves to mount components such as optoelectronic chips, driver circuits, and control chips, enabling high

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optical module pcb

Optical module PCBs are mainly used in high-speed communication fields such as optical fiber modules, 5G, and large data centers. Optical modules are assembled from optical chips

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LPKF delivers leading solutions for advanced semiconductor packaging, electronics and PCB manufacturing, plastic welding, and solar module scribing. High-performance systems from R& D to

Industrial digital micromirror devices (DMDs) | TI

Our DLP® digital micromirror devices (DMDs) deliver fast, precise and programmable light modulation for a wide range of industrial applications. Built for reliability and high optical throughput, DLP

Largest Directory of PCB Manufacturers / Fabricators, Assembly and ...

The largest directory of PCB Manufacturers / Fabricators, Assembly and Design Companies. Find PCB companies based on their location and capabilities

Optical module - A comprehensive exploration

The optical module is one of the core devices of the optical communication system, and its development has a vital impact on its related industrial chain. So, what is an optical module? How

Circuit Board, PCB assembly & electronics

With over 15 years experience in PCB manufacturing, Hitech Circuits provides the latest printed circuit board manufacturing technologies and highest quality

Comprehensive Guide to BGA Package Design and Soldering Process in PCB ...

Discover how BGA (Ball Grid Array) packaging boosts PCB performance with high-density connections, reliable soldering, and superior thermal management.

Advanced PCB Manufacturer & RF Supplier | TTM Technologies

TTM Technologies is an advanced Printed Circuit Board (PCB) manufacturer and a leading supplier in technology solutions.

Custom Optical PCB Manufacturing | High-Speed

We offers high-performance optical PCB solutions with hybrid optical-electrical integration and 1-20 layer precision, widely used in 5G base stations, medical

optical-module-hardware-factory | B2B companies and suppliers

81 Companies and suppliers for optical-module-hardware-factory Find wholesalers and contact them directly Leading B2B marketplace Find companies now!

Home | Hamamatsu Photonics

The official website of Hamamatsu Corporation whose mission is to advance science and industry through photonic technologies. Our products include optical sensors and components, cameras, light

Circuit Board manufacturer | PCB Prototype | PNC Inc. US

PNC Inc. is the kind of reliable PC board manufacturer you can count on to deliver speedy PCB prototype runs and has the longevity (in business for over 55+ years) to be here when your prototype

Optical Module PCB | APTPCB

A comprehensive guide to Optical Module PCB design and manufacturing. Learn definitions, key metrics, selection trade-offs, and validation steps for high-speed transceivers.

Gold Finger PCB: Complete Guide to Design, Plating

Master gold finger PCB design with this engineer's guide. Covers hard gold vs ENIG plating, IPC specifications, chamfer angles, and real-world applications.

China PCB maker DSBJ bets US\$1.2 billion on AI optical modules

Suzhou Dongshan Precision Manufacturing (DSBJ) will invest US\$1.2 billion to expand optical chip and optical module capacity at Source Photonics, accelerating its shift from PCB

Optical Modules Market Research Report 2034

These structural tailwinds, combined with ongoing cost reductions enabled by silicon photonics integration and wafer-scale manufacturing, position the optical modules market for robust

Printed circuit board

Printed circuit board manufacturing involves manufacturing bare printed circuit boards and then populating them with electronic components. In large-scale

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