molex®

XPAK 10Gbps Guide Rail
74732

Molex's XPAK Guide Rail With Enhanced, Multiple Electromagnetic Interference (EMI) Gaskets Provide Superior EMI Protection

XPAK represents the new 10 Gigabit Small Form-factor Pluggable system of modules and interconnects that convert serial electrical signals to external serial optical or electrical signals. The system includes a Multi-Source Agreement (MSA) standard pluggable module and rail hardware. The technoloy is designed to support 10 Gigabit Fibre Channel, 10 Gigabit Ethernet, OC192/STM-64 and InfiniBand* protocols.
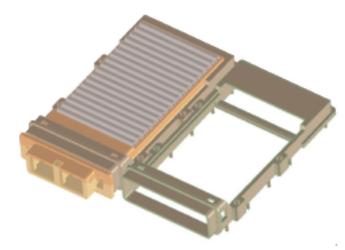
The XPAK guide rail aligns Molex's 10Gbps CX4 copper module (in development) or any MSA optical transceiver with the 70-circuit XPAK host connector (74441-0013). The guide rail features a passive latch point and a hard stop to control the insertion depth of the module. The rail assembly features two EMI gaskets: front and lower rear. These gaskets are designed to reduce emissions eminating from the equipment.

Molex designed the XPAK rail to meet XPAK MSA standards. The optical interface is a XPAK optical transceiver which interfaces with Molex SC cables (Series 86282).

To remain competitive, Molex offers rails and cages for pluggable systems in multiple form-factors. The difference between a "rail" and a "cage" is the following:

-Rail: an enclosure that holds a module
-Cage: an enclosure that completely covers a module

For additional information on XPAK, visit the XPAK website at: www.xpak.org

Optical transceiver shown with rail

Features and Benefits

- Press-fit post accommodates belly-to-belly applications to ensure better use of PCB real-estate
- Threaded screw holes provide screw down feature for increased retention to the PCB
- Elastomer gaskets reduce overall EMI
- Compliance with MSA standard ensures intermateability with industry standard products
- Positive latching function on the rail frame provides proper transceiver retention

MARKETS AND APPLICATIONS

- Fibre Channel
  - Switch Markets
- Gigabit Ethernet
  - Networking Markets
- InfiniBand
  - Servers

*InfiniBand is a registered trademark of the InfiniBand Trade Association
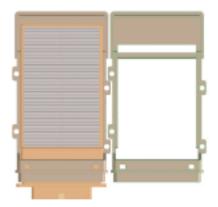
Reference Information
Packaging: Tray
Designed In: Inches

Physical
Housing: Zinc Alloy
Plating: Nickel
PCB Thickness:
     Press-fit: 1.57mm (.062") Single Side
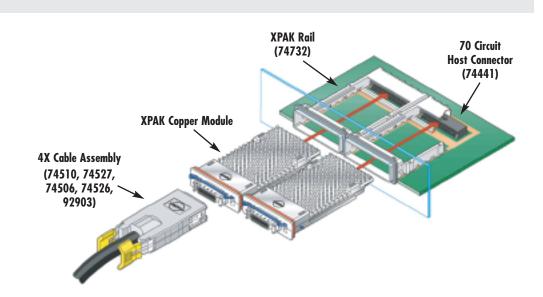   Belly-to-Belly: 2.29mm (.090")

COMPLEMENTARY PRODUCTS

- 70 Circuit Host Connector (74441-0013)

- XPAK Copper Module -in development

- 4X Cable Assembly:
   - LaneLink™ Fibre Channel (74510)
   - LaneLink™ SAS (74527)
   - LaneLink™ InfiniBand (74506)
   - LaneLink™ CX4 (74526)
   - InfiniBand (92903)

- Optical SC Products (86282 Series)

XPAK Rail (74732)

70 Circuit Host Connector (74441)

XPAK Copper Module

4X Cable Assembly (74510, 74527, 74506, 74526, 92903)

ORDERING INFORMATION

Order No.	Description
74732-0220	XPAK 10Gbps Guide Rail