molex®

SFP Cage
Lightpipe Cover Assembly

74726 1-by-1
74727 1-by-2
74728 1-by-4
74729 1-by-5
74748 1-by-6

Mechanically Integrated Lightpipe Cover Assembly Attaches to Molex's Small Form-factor Pluggable (SFP) Cage to Reduce Assembly Time and Eliminate Processing Issues

Designed to provide a "link" or "no link" status using Light Emitting Diodes (LEDs) mounted on the PCB, the integrated lightpipes and SFP cages allow the user to reduce manufacturing time and therefore cost. Lightpipes are attached to the cover with cage-mounted tabs to ensure proper cover placement and positive latching. The cover is applied to the cage after the cage is pressed into the PCB, which ensures proper cage placement on the PCB.

The SFP system follows the function of standard Gigabit Interface Converter (GBIC) products, with reduced size and increased data transfer rates at and beyond 2.5 Gbps. Ganged cages are used for EMI (Electro Magnetic Interference) shielding of copper and optical pluggable

transceivers when plugged into host equipment, such as network switches, routers, servers and storage devices.

Lightpipes and SFP cages are packaged and shipped separately.

Lightpipe cover mounted on 1-by-5 SFP cage

Features and Benefits

■ Lightpipes compensate for LED misalignment ensuring uniform panel illumination

■ Lightpipes are mechanically attached to the SFP lightpipe cover reducing assembly time and eliminating processing issues

■ Cage-mounted tabs ensure proper cover placement

■ Lightpipe cover is separate from the actual SFP cage allowing quality cage insertion and future upgrades

■ Rear and side mounted lightpipe configurations (available on 1-by-1 and 1-by-2 versions) allow for flexibility of PCB signal routing of LEDs

■ Application notes are provided on sales drawings with recommended LEDs decreasing design time and costs

SPECIFICATIONS

Reference Information
Packaging: Tray
Designed In: Millimeters

Physical
Light Pipes: Polycarbonate, V0 Rated
Light Pipe Cover: C770 Alloy
Operating Temperature: -55 to +105° C

Rear View: 1-by-5 lightpipe cover (Series 74729) on 1-by-5 SFP cage (Series 74723)

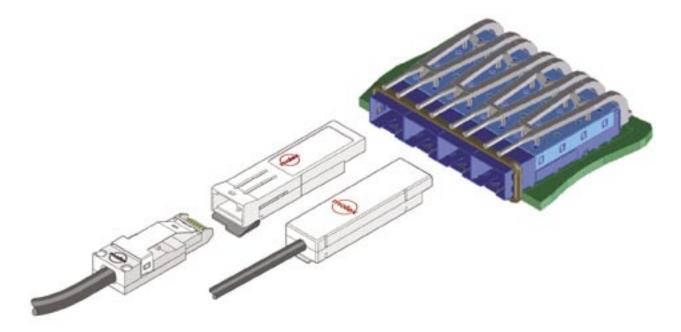**Side View: 1-by-5 lightpipe cover (Series 74729) on 1-by-5 SFP cage (Series 74723)**

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- Networking Equipment
  - Switches
  - Routers
  - Storage racks

- Data Communication Equipment
  - High-end servers

ORDERING INFORMATION

Order No.	Description	*Lightpipe Location	Mates with
74726-0001	1-by-1	Rear mount	74737
74726-0002	1-by-1	Side mount	74737
74727-0001	1-by-2	Rear mount	74727
74727-0002	1-by-2	Side mount	74727
74728-0001	1-by-4	Rear mount	74728
74729-0001	1-by-5	Rear mount	74723
74748-0001	1-by-6	Rear mount	74747
74748-0002	1-by-6, Low-Profile	Rear mount	74747

*Note: 1-Low-profile lightpipes are available for all rear mounted locations
       2-Shortened lightpipes (by 0.052") are available for rear mounted locations