



# 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.

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

Lightpipes and SFP cages are packaged and shipped separately.

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

**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



Lightpipe cover mounted on 1-by-5 SFP cage

**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)



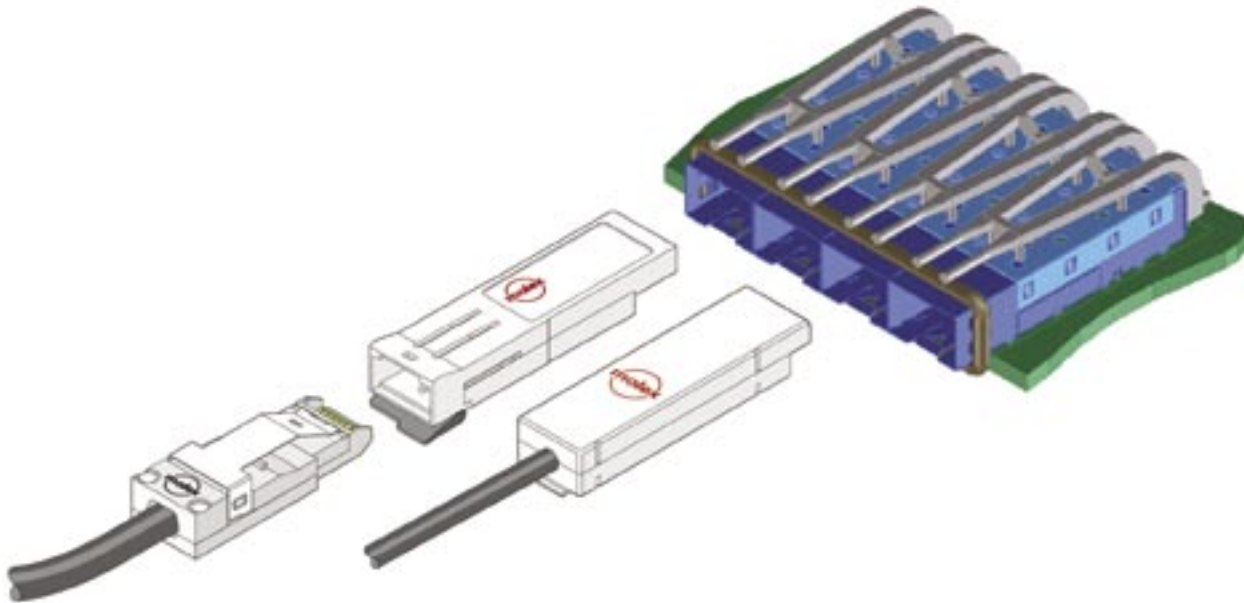
Side View: 1-by-5 lightpipe cover (Series 74729) on 1-by-5 SFP cage (Series 74723)



# SFP Cage Lightpipe Cover Assembly

- Networking Equipment
  - Switches
  - Routers
  - Storage racks
- Data Communication Equipment
  - High-end servers

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



## 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

**Americas Headquarters**  
 Lisle, Illinois 60532 U.S.A.  
 1-800-78MOLEX  
 amerinfo@molex.com

**Far East North Headquarters**  
 Yamato, Kanagawa, Japan  
 81-462-65-2324  
 feninfo@molex.com

**Far East South Headquarters**  
 Jurong, Singapore  
 65-6-268-6868  
 fesinfo@molex.com

**European Headquarters**  
 Munich, Germany  
 49-89-413092-0  
 eurinfo@molex.com

**Corporate Headquarters**  
 2222 Wellington Ct.  
 Lisle, IL 60532 U.S.A.  
 630-969-4550  
 Fax:630-969-1352

Visit our Web site at <http://www.molex.com/product/io/sfpcages.html>