

High-Density Optical EMI Shielding Adapters (with internal safety shutters)

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Delivering streamlined behind-panel routings for MT-based interfaces (MXC, MPO/MTP*, Prizm MT, HBMT) and eye safety shutters, Molex Optical Electro Magnetic Interference (EMI) Shielding Adapters are ideal for data communications and networking applications that require I/O density

Features and Benefits

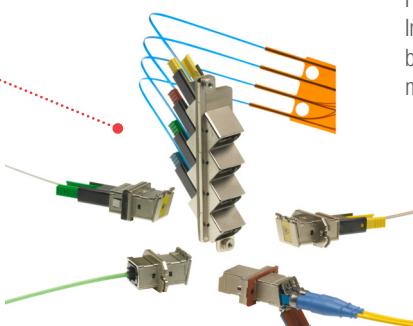
Options available:

- MPO (MTP*) front-interface to MPO(MTP*), Prizm MT or HBMT™ rear-interface
- MXC front-interface to Prizm MT or HBMT™ rear interface
- (MXC: series 106250 and MPO (MTP*): series 106114)

Provide flexibility in fiber routing. Reduce space requirements inside the box

Metal die-cast housings

Provide Electro Magnetic Interference (EMI) protection



EMI gaskets included

Provide Electro Magnetic Interference (EMI) seal between the adapter and mounting surface

Screw- and snap-mount styles available

Provide mounting flexibility

Ceramic or phosphor bronze alignment sleeves (where applicable)

Accommodate single-mode (SM) and multi-mode (MM) performance

Safety shutters included

Provide dust protection, eye safety. Reduce EMI when no connector is installed

Multi-port options

Ease space constraints on panel and increase ports within an envelope

Single- and multi-port adapter design (accepts one or four connectors)

Provides for design flexibility



A. MXC to Prizm MT or HBMT™ 1 Port Adapter

B. MXC to Prizm MT or HBMT™ 15 Port Adapter

C. MXC to Prizm MT or HBMT™ 6 Port Adapter

D. MXC to Prizm MT or HBMT™ 4 Port (Quad) Adapter

E. MXC to Prizm MT or HBMT™ 8 Port Adapter



A. MPO (MTP*) to MPO, MT or HBMT™ 1 Port Adapter

B. MPO (MTP*) to MPO, MT or HBMT™ 15 Port Adapter

C. MPO (MTP*) to MPO, MT or HBMT™ 6 Port Adapter

D. MPO (MTP*) to MPO, MT or HBMT™ 4 Port (Quad) Adapter

E. MPO (MTP*) to MPO, MT or HBMT™ 45° Quad Adapter

F. MPO (MTP*) to MPO, MT or HBMT™ 8 Port Adapter

Applications

Telecommunication

Data Centers

Hubs

Servers

Routers

Industrial

Test equipment

Aerospace/Defense

Data/Storage

Gigabit Ethernet testing equipment



High-End Servers

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Specifications

REFERENCE INFORMATION

Packaging: MTP tray, LC bag
Mates With: MPO (MTP*), HBMT
Use With: Optical Cable Assemblies and FlexPlane™ Optical Circuitry
Designed In: Millimeters

RoHS: Yes

Halogen Free: Yes

MECHANICAL

Durability (min.): 200-mating cycle

PHYSICAL

Housing: Metal (Zinc) for EMI versions
Plating: Electro-less Nickel
Operating Temperature: -40 to +85°C

Ordering Information

MPO (MTP*)-to-Prizm MT, -MPO (MTP*), -HBMT Adapters

| Order No. | Front Interface | Back (rear) Interface | Internal Safety Shutters | No. of Ports | MPO Key Orientation | Mounting Method | Mounting Orientation | |
|-------------|-----------------|-----------------------|--------------------------|--------------|---------------------|-----------------|----------------------|--|
| 106114-1524 | MPO (MTP*) | MT | Y | 4 | Up/Up | Screw | Straight | |
| 106114-1525 | | | | 6 | | | | |
| 106114-1526 | | | | 8 | | | | |
| 106114-1527 | | | | 15 | | | | |
| 106114-3300 | MPO (MTP*) | MPO (MTP*) | Y | 4 | Up/Down | Screw | 45° | |
| 106114-1596 | | | | 6 | Up/Up | | Straight | |
| 106114-1597 | | | | 8 | | | | |
| 106114-1553 | | | | 15 | | | | |
| 106114-1518 | MPO (MTP*) | HBMT | Y | 4 | Up/Up | Screw | Straight | |
| 106114-1519 | | | | 6 | | | | |
| 106114-1521 | | | | 8 | | | | |
| 106114-1522 | | | | 15 | | | | |

MPO (MTP*)-to-MT and HBMT™ Adapters

| Order No. | Front Interface | Back Interface | Shutter | Ports | IP67 Sealed Gasket | Mounting Method | | | |
|-------------|----------------------|--|---------|---------|--------------------|-----------------------|--|--|--|
| 106114-1150 | MPO (MTP*) | MT | Yes | Simplex | No | Screw Mount | | | |
| 106114-1160 | | HBMT™ Clip | | | | Staggered Screw Mount | | | |
| 106114-1510 | | | | | | Screw Mount | | | |
| 106114-1520 | | | | | | Snap Mount | | | |
| 106114-1530 | | Quad | Duplex | Yes | Screw Mount | | | | |
| 106127-0100 | LC Duplex Ruggedized | LC Duplex Ruggedized, Ceramic Alignment sleeve | | | | Latching | | | |
| 106127-0110 | | LC Duplex Ruggedized, Phosphor Bronze Alignment Sleeve | | | | | | | |

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Ordering Information

LC EMI Adapters

| Series No. | Back Interface | Mount Style | Mount Angle | Shutter | Mounting Method | |
|------------|----------------|--------------|-------------|-----------|-----------------|--|
| 106115 | Duplex | Screw | 45° | One Side | Front | |
| | | Snap | | None | | |
| | | Screw | Straight | One Side | | |
| | | | | Two Sides | | |
| | | Snap | | None | | |
| | | | | One Side | | |
| | | | | Two Sides | | |
| | | Single Screw | 45° | One Side | Rear | |
| 106123 | Quad | Snap | Straight | | Front | |
| 106127 | Duplex | Screw | | | | |

MXC-to-Prizm MT and -HBMT™ Adapters

| Series No. | Front Interface | Back Interface | Shutter | No. of Ports | IP67 Sealed Gasket | Mounting Method |
|------------|-----------------|------------------------|---------|----------------|--------------------|-----------------|
| 106250 | MXC | Prizm MT HBMT™ Clip | Yes | 1, 4, 6, 8, 15 | No | Screw Mount |

MPO EMI Adapters

| Order No. | Cable Type | Mount Style | Mount Angle | Shutter | Mount From | | |
|-------------|------------|--------------|-------------|----------|------------|--|--|
| 106114-1100 | Simplex | Screw | Straight | One Side | Front | | |
| 106114-1200 | | Snap | | | | | |
| 106114-3000 | | Screw | 45° | | | | |
| 106114-4000 | | Snap | | | | | |
| 106114-0100 | | Single Screw | | | | | |
| 106114-3200 | Quad | Screw | | None | Rear | | |

SC EMI Adapters

| Series No. | Cable Type | Mount Style | Mount Angle | Shutter | Mount From |
|------------|-----------------------|-------------|-------------|----------|------------|
| 106116 | Simplex | Screw | Straight | One Side | Front |
| | | Snap | | | Rear |
| | | Screw | 45° | | |
| | SC Duplex EMI Adapter | Screw | Straight | Snap-On | Front |

*MTP is a registered trademark of US Conec, Inc. NOTE: MTP and MPO are synonymous connectors. Molex prefers to market MPO in an effort to not cross-promote MTP; however, MTP and MPO both have strong brand recognition, thus we provide both market names

www.molex.com/product/emiadapters.html