Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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

molex®

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

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

Features and Benefits

Options available:
MPO (MTP*) front-interface to MPO(MTP*), Prizm MT or HBMT™ rear-interface
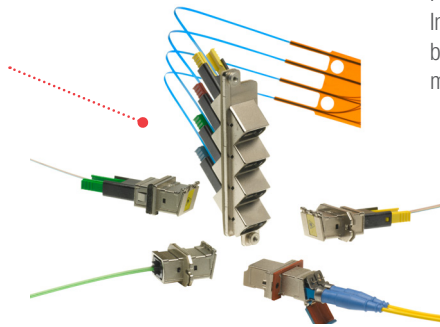MXC front-interface to Prizm MT or HBMT™ rear interface
(MXC: series 106250 and MPO (MTP*): series 106114)
Provide flexibility in fiber routing. Reduce space requirements inside the box

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

Metal die-cast housings
Provide Electro Magnetic Interference (EMI) protection

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

Multi-port options
Ease space constraints on panel and increase ports within an envelope

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

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

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

Applications

Telecommunication

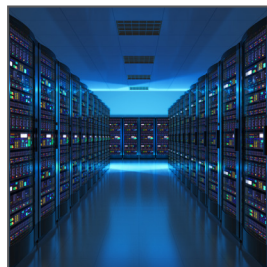Data Centers

Hubs

Servers

Routers

Industrial

Test equipment

Aerospace/Defense

Data/Storage

Gigabit Ethernet testing equipment

High-End Servers

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

molex®

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						Staggered Screw Mount
106114-1510		HBMT™ Clip				Screw Mount
106114-1520						Snap Mount
106114-1530				Quad		
106127-0100	LC Duplex Ruggedized	LC Duplex Ruggedized, Ceramic Alignment sleeve	Latching	Duplex	Yes	Screw Mount
106127-0110		LC Duplex Ruggedized, Phosphor Bronze Alignment Sleeve				

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

molex®

Ordering Information

LC EMI Adapters

Series No.	Back Interface	Mount Style	Mount Angle	Shutter	Mounting Method
106115	Duplex	Screw	45°	One Side	Front
		Snap			
		Screw	Straight	None	
				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	Yes	1, 4, 6, 8, 15	No	Screw Mount
		HBMT™ Clip				

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			
		Screw	45°		Rear
	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