

## FEATURES AND SPECIFICATIONS



## Optical EMI Adapters

LC - 86115 Series  
MPO - 86114 Series  
SC - 86116 Series

### Limit EMI Emissions In Front Panel Applications With Molex's Optical EMI Adapters

EMI (Electro Magnetic Interference) shielding adapters are designed to address mechanical design requirements to limit EMI emissions from the equipment front panel. The adapters are constructed of die-cast bodies with an EMI gasket that seals the adapters to the panel. EMI adapters increase the shielding effectiveness while enhancing the front panel aesthetics compared to traditional plastic adapters.

Our extensive EMI adapter product line includes SC, LC Duplex and MPO styles. The family includes both straight and angled mount adapters in both snap-in and screw mount configurations. The straight mount designs meet industry standard mounting dimensions. The angled mount design cut-outs are unique to each adapter. External shutters are standard on adapters, ensuring dust protection and eye laser safety.

### Features and Benefits

- Die-cast adapter housings provide superior shielding effectiveness
- Aperture is reduced to the minimum possible size to minimize EMI emissions
- EMI gaskets included create an EMI seal between the adapter and the mounting surface
- Safety shutters included provide dust protection, eye safety and reduce EMI when no connector is installed
- Screw or snap mount styles available provide mounting flexibility
- Straight or 45° mounting orientations allow for lower cable exit profile



## SPECIFICATIONS

### Reference Information

Packaging: Bag  
Mates With: LC Duplex, SC, MPO connectors  
Designed In: SC – Inches, LC and MPO - Millimeters

### Mechanical

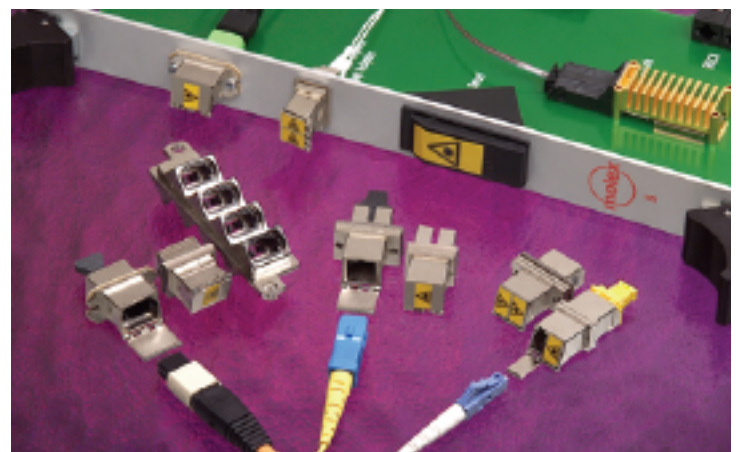
Mating Durability: IL<0.2dB over 200 cycles

### Physical

Adapter Housing:  
LC, MPO and SC - Zinc Die-cast  
LC 45° - Zinc Die-cast/Polymer  
Plating: Nickel Chrome  
Alignment Sleeve: Zirconia Ceramic  
Operating Temperature: -40 to +75° C  
Mates with: Industry standard fiber optic connectors

## APPLICATIONS

- Telecommunication
  - High-speed line cards
  - Server blades
  - Router connections
- Storage
  - ATM equipment
  - Gigabit Ethernet testing equipment
- Other Markets
  - Test equipment
  - Any front panel application where EMI is an issue  
(Offers a more robust and visually appealing adapter than traditional plastic adapters)





**Optical EMI Adapters**  
**LC - 86115 Series**  
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**LC Duplex EMI Adapters**

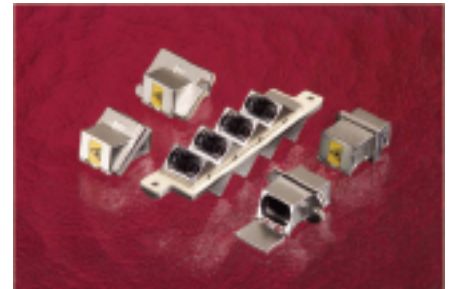
Part Number	Type	Mount Style	Mount Angle	Shutter	Mount From
86115-3100	LC Duplex Adapter	Screw	45°	One Side	Front/Rear
86115-4100	LC Duplex Adapter	Snap	45°	One Side	Front/Rear
86115-1100	LC Duplex Adapter	Screw	Straight	None	Front/Rear
86115-1110	LC Duplex Adapter	Screw	Straight	One Side	Front/Rear
86115-1120	LC Duplex Adapter	Screw	Straight	Two Sides	Front/Rear
86115-2100	LC Duplex Adapter	Snap	Straight	None	Front/Rear
86115-2110	LC Duplex Adapter	Snap	Straight	One Side	Front/Rear
86115-2120	LC Duplex Adapter	Snap	Straight	Two Sides	Front/Rear
86115-3200	LC Duplex Adapter	Single Screw	45°	One Side	Rear Only



**LC Duplex EMI Adapters**

**MPO EMI Adapters**

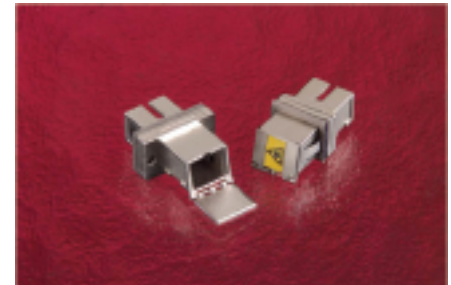
Part Number	Type	Mount Style	Mount Angle	Shutter	Mount From
86114-1100	MPO EMI Adapter	Screw	Straight	One Side	Front/Rear
86114-1200	MPO EMI Adapter	Snap	Straight	One Side	Front/Rear
86114-3000	MPO EMI Adapter	Screw	45°	One Side	Front Only
86114-4000	MPO EMI Adapter	Snap	45°	One Side	Front Only
86114-3200	MPO Quad EMI Adapter	Screw	45°	None	Rear Only



**MPO EMI Adapters**

**SC EMI Adapters**

Part Number	Type	Mount Style	Mount Angle	Shutter	Mount From
86116-2000	SC EMI Adapter	Snap	Straight	One Side	Front/Rear
86116-2100	SC EMI Adapter	Screw	Straight	One Side	Front/Rear



**SC EMI Adapters**

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