

## INTRODUCTION

Molex's unique protection/engagement lever for its MU-LC adapter provides superior mating/unmating performance and latch protection compared to competitive versions.

The MU-LC conversion adapter helps to link communication equipment like routers and hubs that use LC connectors with transmission equipment that use MU connectors. The MU-LC conversion adapter eliminates the need for MU-LC patch cords, thus making the connection and interoperability between LC and MU systems much easier and cheaper.



## MU-to-LC Plug-In Conversion Adapter

**501789**  
**Single Port**

### Specifications:

#### ■ Reference Information

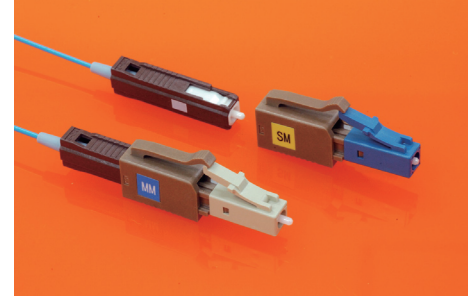
Packaging: Tray  
Mates With: LC Receptacle  
Use With: MU Plug  
Designed In: mm

#### ■ Electrical

Insertion Loss: 0.30 dB max.  
Return Loss: 25 dB min.

#### ■ Physical

Housing: PEI and PPS, glass-filled  
Ferrule: Zirconia  
Ferrule Flange: Brass  
Metal Sleeve: Brass  
Alignment Sleeve: Zirconia



## FEATURES AND BENEFITS

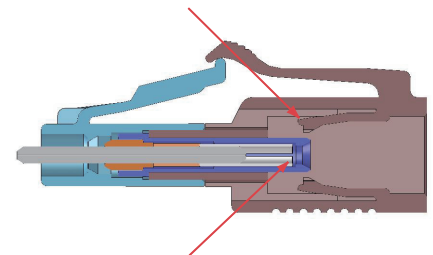
### FEATURES

- Simplified and integrated single connector approach
- Latch protection/engagement lever
- Design flexibility type connectors
- Multimode and single-mode type in different colors
- Stable transmission

### BENEFITS

- Eliminates the need for extra patch cords
- Protects latch from damage while enabling easy mating/unmating (only Molex offers this feature)
- Usable with one or two-port LC (SFP)
- Meets industry standards and easy to distinguish
- Low insertion force

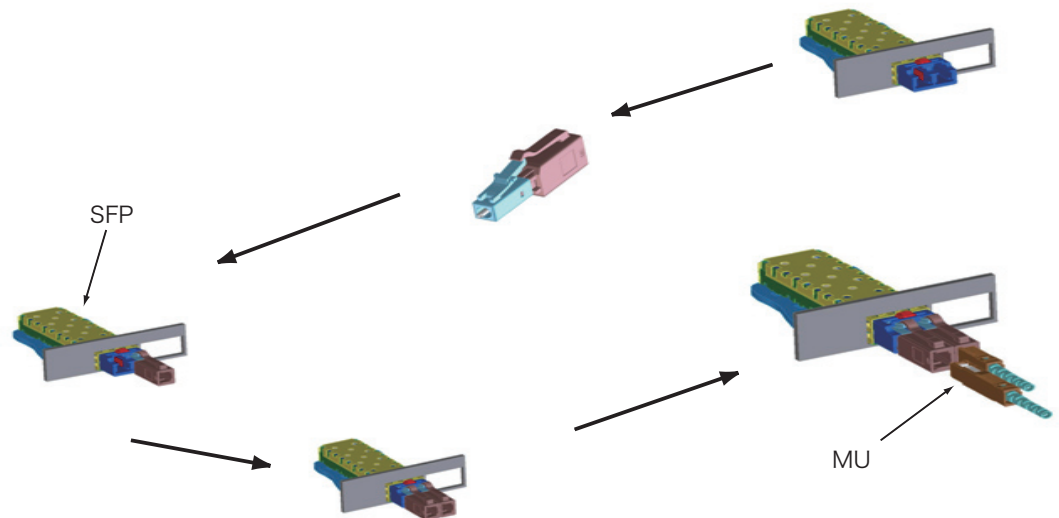
Upper and lower locks provide secure connection and an audible click when mated.



Metal sleeve aligns MU and LC ferrules.

## APPLICATIONS

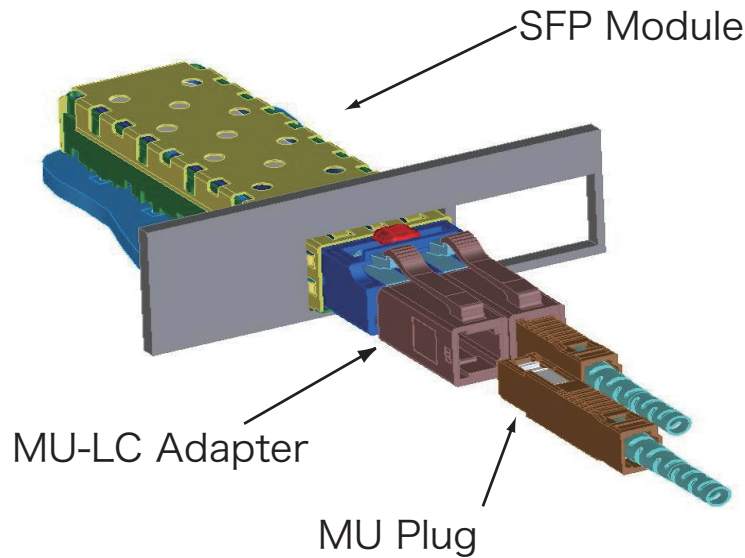
- Telecommunication
  - Hubs
  - Servers
- Other Markets
  - Other applications





# MU-to-LC Plug-In Conversion Adapter

**501789**  
**Single Port**



## ORDERING INFORMATION

Order No.	Description	Description	Description
501789-0000	Single Mode (Blue)	10/125um ferrule	Single Port
501789-1000	Multimode (Beige)	50/125um ferrule	Single Port



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