

FEATURES AND SPECIFICATIONS

Molex Fiber Optics manufactures a full line of quality multimode connectors for datacommunication applications including Local Area Networks, data processing networks and premise installations. These connectors and adapters are designed using the latest engineered polymer, ceramic and metal material technologies. Combining unique termination features, the connectors can be easily terminated in the field or factory using Molex's termination tool kits.



**Fiber Optic Interconnect
Technologies, Inc.™**

Multimode Products

Note: The connectors listed in this section represent a partial listing of all multimode products available. For a complete listing of all multimode fiber optic connectors and adapters please contact Molex Fiber Optics at (708) 512-8787.

MX PLUS, ST*-COMPATIBLE CONNECTOR

- Ceramic flat ferrule
- Low insertion loss 0.4 dB typical for 62.5/125μm fiber
- Long boot, short boot crimp or 900μm buffered fiber
- Polymer coupling nut
- For 2.4 to 3mm cable and 900μm buffered fiber boot

Order No.	Type	Description
86010-6000	ST	62.5/125μm, MX+ ferrule, polymer nut, long boot
86010-6200	ST	62.5/125μm, MX+ ferrule, polymer nut, short boot crimp
86010-6500	ST	62.5/125μm, MX+ ferrule, polymer nut, 900μm buffered fiber boot



PC PLUS, ST*-COMPATIBLE CONNECTOR

- Zirconia PC ferrule
- Low insertion loss 0.34 dB typical for 62.5/125μm fiber
- Long boot, short boot crimp or 900μm buffered fiber boot
- Polymer coupling nut
- For 2.4 to 3mm cable and 900μm buffered fiber

Order No.	Type	Description
86010-0000	ST	62.5/125μm, PC+ ferrule, polymer nut, long boot
86010-0200	ST	62.5/125μm, PC+ ferrule, polymer nut, short boot crimp
86010-0500	ST	62.5/125μm, PC+ ferrule, polymer nut, 900μm buffered fiber boot



ST*-COMPATIBLE CONNECTOR, HIGH PERFORMANCE

- High performance prepolished Zirconia PC ferrule
- Low insertion loss 0.2 dB typical for 62.5/125μm fiber
- Long boot, short boot crimp or 900μm buffered fiber boot
- Polymer coupling nut
- For 2.4mm to 3mm cable and 900μm buffered fiber

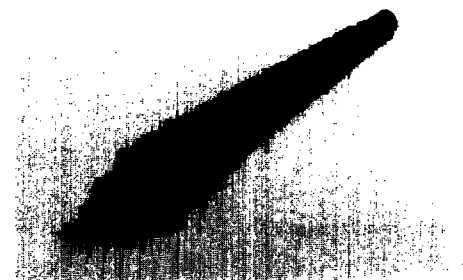
Order No.	Type	Description
86010-3000	ST	62.5/125μm, Zirconia PC ferrule, polymer nut, long boot
86010-3200	ST	62.5/125μm, Zirconia PC ferrule, polymer nut, short boot crimp
86010-3500	ST	62.5/125μm, Zirconia PC ferrule, polymer nut, 900μm buffered fiber boot



ST*-COMPATIBLE CONNECTOR, 100/140μm and 200/230μm

- Ceramic flat ferrule
- Low insertion loss 0.2 dB typical for 100/140μm and 200/230μm fiber
- Long boot style
- Polymer coupling nut
- For 2.4 to 3mm cable and 900μm buffered fiber

Order No.	Type	Description
86010-1000	ST	100/140μm, Alumina flat ferrule, polymer nut, long boot
86010-9000	ST	200/230μm, Alumina flat ferrule, polymer nut, long boot



* ST is a registered trademark of AT&T



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ST*-COMPATIBLE CONNECTOR, 90° BOOT

- For 62.5/125μm fiber
- MX+, PC+ or Zirconia PC ferrules
- Polymer coupling nut
- Ideal for small or controlled-bend radius applications
- For 3mm cable

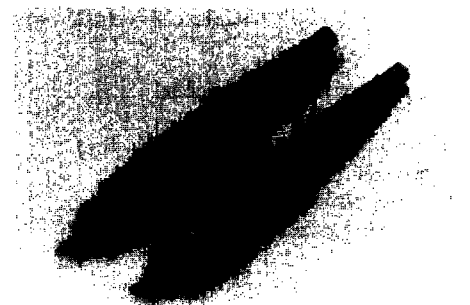
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86010-0400	ST	62.5/125μm, PC+ ferrule, polymer nut, 90° boot
86010-3400	ST	62.5/125μm, Zirconia PC ferrule, polymer nut, 90° boot
86010-6400	ST	62.5/125μm, MX+ ferrule, polymer nut, 90° boot



ST-COMPATIBLE CONNECTOR, METAL NUT, LONG BOOT

- For 62.5/125μm fiber
- MX+, PC+, Zirconia PC or Stainless Steel ferrules
- Metal coupling nut
- For 2.4 to 3mm cable

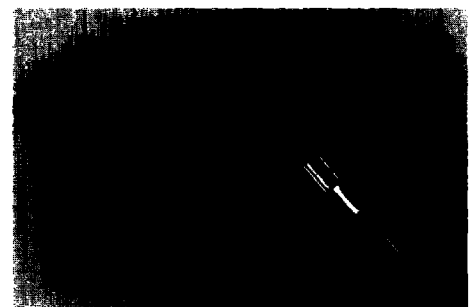
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86012-0000	ST	62.5/125μm, PC+ ferrule, metal nut, long boot
86012-3000	ST	62.5/125μm, Zirconia PC ferrule, metal nut, long boot
86012-6000	ST	62.5/125μm, MX+ ferrule, metal nut, long boot
86012-8000	ST	62.5/125μm, Stainless Steel ferrule, metal nut, long boot



ST-COMPATIBLE CONNECTOR, METAL NUT, 90° BOOT

- For 62.5/125μm fiber
- MX+, PC+, PC or Stainless Steel ferrules
- Metal coupling nut
- Ideal for small or controlled-bend radius applications
- For 3mm cable

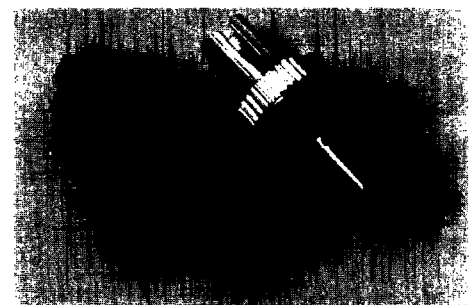
Order No.	Type	Description
86012-0400	ST	62.5/125μm, PC+ ferrule, metal nut, 90° boot
86012-3400	ST	62.5/125μm, Zirconia PC ferrule, metal nut, 90° boot
86012-6400	ST	62.5/125μm, MX+ ferrule, metal nut, 90° boot
86012-8400	ST	62.5/125μm, Stainless Steel ferrule, metal nut, 90° boot



ST-COMPATIBLE ADAPTER

- Metal or polymeric body
- Polymeric or Phosphorous Bronze alignment sleeve

Order No.	Type	Description
86112-1000	ST adapter	Metal body, Phosphorous Bronze sleeve
86113-1000	ST adapter	Metal body, Polymer sleeve
86112-0000	ST adapter	Polymer body, Phosphorous Bronze sleeve
86113-0000	ST adapter	Polymer body, Polymer sleeve



* ST is a registered trademark of AT&T

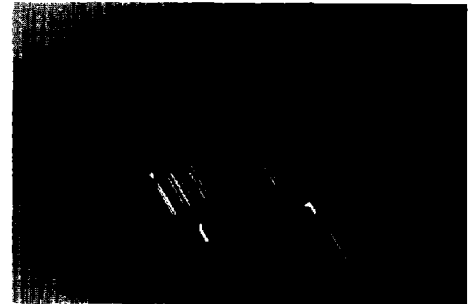


Multimode Products

STII*-COMPATIBLE CONNECTOR

- Low insertion loss .15 dB typical for 62.5/125 μ m fiber
- MX+, PC+, Zirconia PC or Stainless Steel ferrules, gray boot

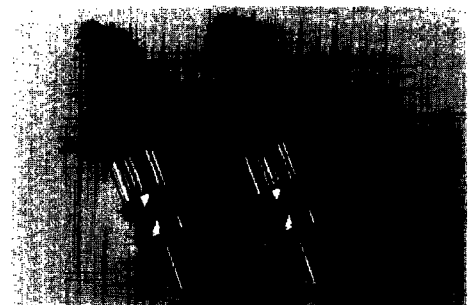
Order No.	Type	Description
86013-0100	STII	62.5/125 μ m, PC+ ferrule, gray boot
86013-3100	STII	62.5/125 μ m, Zirconia PC ferrule, gray boot
86013-6100	STII	62.5/125 μ m, MX+ ferrule, gray boot
86013-8100	STII	62.5/125 μ m, stainless steel ferrule, gray boot



STII*-COMPATIBLE CONNECTOR FOR 900 μ m BUFFERED FIBER

- For 62.5/125 μ m, 900 μ m buffered fiber applications
- MX+, PC+, Zirconia PC or Stainless Steel ferrules
- Non-Optical Disconnect design (N.O.D.)

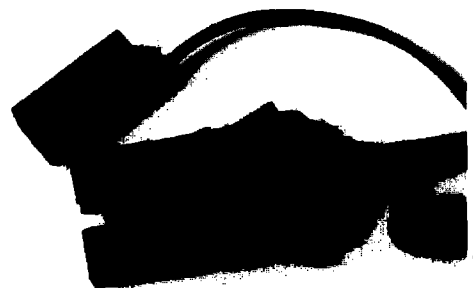
Order No.	Type	Description
86013-0500	STII	62.5/125 μ m, PC+ ferrule, 900 μ m buffered fiber, N.O.D.
86013-3500	STII	62.5/125 μ m, Zirconia PC ferrule, 900 μ m buffered fiber, N.O.D.
86013-6500	STII	62.5/125 μ m, MX+ ferrule, 900 μ m buffered fiber, N.O.D.
86013-8500	STII	62.5/125 μ m, Stainless Steel ferrule, 900 μ m buffered fiber, N.O.D.



FDDI CONNECTOR

- MX+ ferrule—low insertion loss 0.4 dB typical for 62.5/125 μ m
- Zirconia PC ferrule—low insertion loss 0.2 dB typical for 62.5/125 μ m fiber
- For 4.2mm cable or zipcord cable

Order No.	Type	Description
86030-6000	FDDI	62.5/125 μ m, MX+ ferrule, 4.2mm cable
86030-6200	FDDI	62.5/125 μ m, MX+ ferrule, zipcord cable
86030-3000	FDDI	62.5/125 μ m, Zirconia PC ferrule, 4.2mm cable
86030-3200	FDDI	62.5/125 μ m, Zirconia PC ferrule, zipcord cable



FDDI-ST* ADAPTER

- Zirconia or Polymer alignment sleeve
- Snap-in or flange mount
- Removable keys

Order No.	Type	Description
86130A0000	FDDI-ST	Zirconia sleeve, snap-in mount
86130A0300	FDDI-ST	Zirconia sleeve, flange mount
86133A0000	FDDI-ST	Polymer sleeve, snap-in mount
86133A0300	FDDI-ST	Polymer sleeve, flange mount



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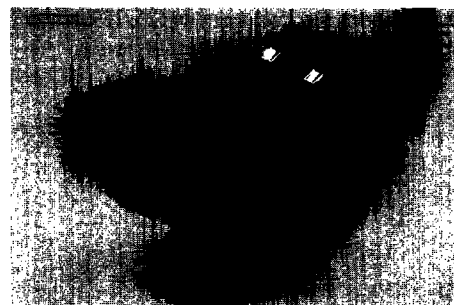
* ST and STII are registered trademarks of AT&T

Multimode Products

ESCON* CONNECTOR AND ESCON-ST† ADAPTER

- Zirconia PC ferrule
- Low insertion loss 0.15 dB typical for 62.5/125μm fiber
- For 4.8mm cable or zipcord cable
- Adapter with Zirconia alignment sleeve
- Snap-in or flange mount

Order No.	Type	Description
86040-3100	ESCON	62.5/125μm, Zirconia PC ferrule, 4.8mm cable
86040-3200	ESCON	62.5/125μm, Zirconia PC ferrule, zipcord cable
86140-0000	ESCON-ST adapter	Zirconia sleeve, snap-in mount
86140-0300	ESCON-ST adapter	Zirconia sleeve, flange mount



FC/PC CONNECTOR AND ADAPTER

- 1-piece body design
- Zirconia PC ferrule
- Low insertion loss 0.15 dB typical for 62.5/125μm fiber
- For 3mm cable or 900μm buffered fiber
- Adapter with Phosphorous Bronze alignment sleeve, "D" hole mount

Order No.	Type	Description
86057M3000	FC/PC	62.5/125μm, Zirconia PC ferrule, 3mm cable
86057M3500	FC/PC	62.5/125μm, Zirconia PC ferrule, 900μm buffered fiber
86156-1000	FC adapter	Phosphorous Bronze sleeve, "D" hole mount



SC CONNECTOR AND ADAPTER

- 1-piece body design
- Zirconia PC ferrule
- Low insertion loss 0.15 dB typical for 62.5/125μm fiber
- For 3mm cable or 900μm buffered fiber
- Adapter with Phosphorous Bronze alignment sleeve

Order No.	Type	Description
86061M3000	SC	62.5/125μm, Zirconia PC ferrule, 3mm cable
86061M3500	SC	62.5/125μm, Zirconia PC ferrule, 900μm buffered fiber
86160-0000	SC adapter	Phosphorous Bronze sleeve

