

Features & Benefits

- Fully compatible with ANSI FDDI standard
- Floating and self-aligning ferrule design
- Positive latching mechanism
- Color coded keying for service identification
- Pre-polished and pre-radiused ferrules
- Variety of adapters:
 FDDI to ST*
 Flange mount or snap mount
 Zirconia or polymer alignment sleeves

Applications

- Duplex fiber optic system
- Building wiring
- FDDI backbone network
- IEEE 802.4 token bus

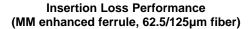
The American National Standards Institute (ANSI) developed a standard that provides for flexible, robust high-performance local area networks. This high-speed, 100 megabit per second standard is called the Fiber Distributed Data Interface (FDDI). In support of this standard, Molex has developed its FDDI family of fiber optic connector and adapter products.

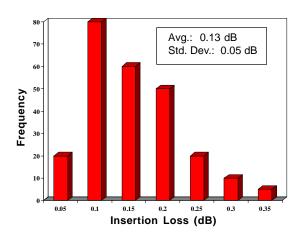
The Molex family of FDDI connectors utilize pre-polished and pre-radiused ferrules. When combined with the unique Molex termination process, these connectors produce quick and consistent FDDI terminations. The type of port and service on the connector is easily identified by the color coded and polarized keys provided with these connectors.

Adapters are available in a variety of mating and mounting configurations. All are made of strong and durable engineering polymers and have either precision zirconia ceramic or polymer alignment sleeves. Polarity maintaining and color coded keys, that are compatible with the port designation on the connector, are provided with the adapters.

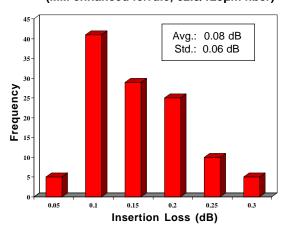
*ST is a trademark of Lucent Technologies

Optical Performance Distribution





Insertion Loss Difference Between Two Channels (MM enhanced ferrule, 62.5/125µm fiber)



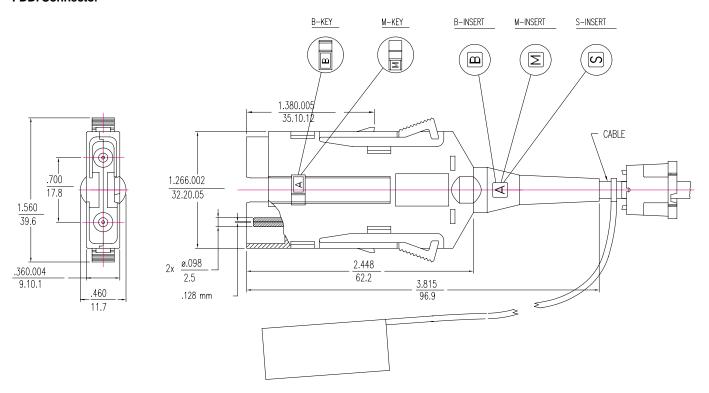


Performance and Specifications

Characteristics	Units	Min.	Тур.	Max.	Comments
Durability	~dB	-	-	0.1	FOTP-21A, 1000 cycles cleaning every 100 cycles
Temperature Range: Storage Operating	°C °C	-40 -40	- -	+80 +80	May be further limited by cable specifications May be further limited by cable specifications
Thermal Shock	~dB	-	-	0.1	-40°C to +60°C, 10 cycles
Temperature Cycling	~dB	-	-	0.1	-40°C to +80°C, 40 cycles
Humidity Cycling	~dB	-	-	0.1	FOTP-5, type 1 +60°C at 95% RH for 504 hours
Cable Retention	~dB	-	-	0.2	FOTP-6, 50 lb. load without adhesive

Mechanical Dimensions

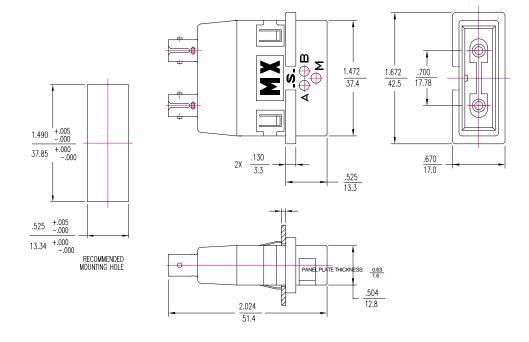
FDDI Connector



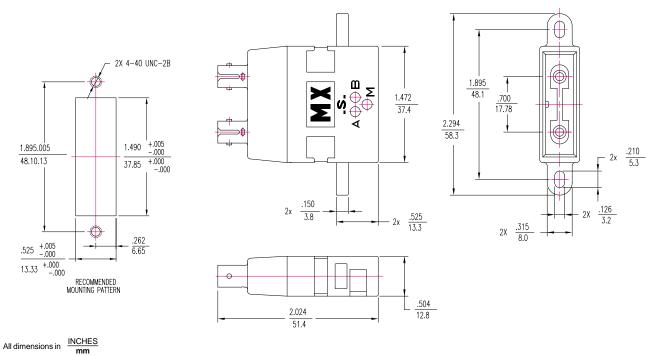


Mechanical Dimensions

FDDI to ST Adapter, Snap-In Mount Style



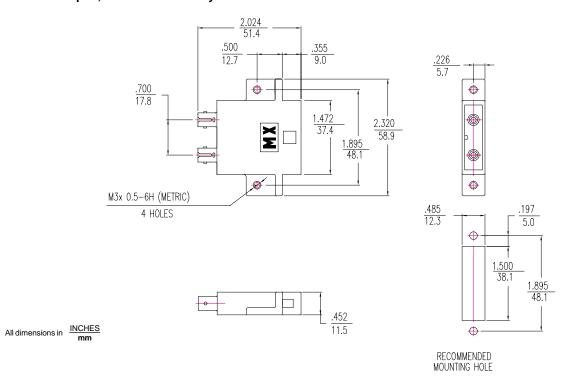
FDDI to ST Adapter, Flange Mount Style





Mechanical Dimensions

FDDI-ST Adapter, Threaded Mount Style



Standard Part Numbers

Order Number 86030-0000 86030-0100 86030-0200 86030-0300	Description FDDI connector, MM, zirconia PC+ ferrule	Hole size "D" 127μm 127μm 127μm 127μm 127μm	Cable size 4.2mm 4.8mm zipcord 4.2mm plenum
86030-3000 86030-3100 86030-3200 86030-3300	FDDI connector, MM, zirconia PC ferrule, enhanced	128µm 128µm 128µm 128µm	4.2mm 4.8mm zipcord 4.2mm plenum
86130-3200 86130-4200 86130-5200 86130-6200 86133-3200 86133-4200 86133-5200 86133-6200	FDDI-ST adapter, ceramic sleeve, threaded mount style, A key FDDI-ST adapter, ceramic sleeve, threaded mount style, B key FDDI-ST adapter, ceramic sleeve, threaded mount style, S key FDDI-ST adapter, ceramic sleeve, threaded mount style, M key FDDI-ST adapter, polymer sleeve, threaded mount style, A key FDDI-ST adapter, polymer sleeve, threaded mount style, B key FDDI-ST adapter, polymer sleeve, threaded mount style, S key FDDI-ST adapter, polymer sleeve, threaded mount style, M key		
86130-0500 86130-0600	FDDI-ST adapter, zirconia alignment sleeve, snap-in mount style, removable keys FDDI-ST adapter, zirconia alignment sleeve, flange mount style, removable keys		
86133-0500 86133-0600	FDDI-ST adapter, polymer alignment sleeve, snap-in mount style, removable keys FDDI-ST adapter, polymer alignment sleeve, flange mount style, removable keys		