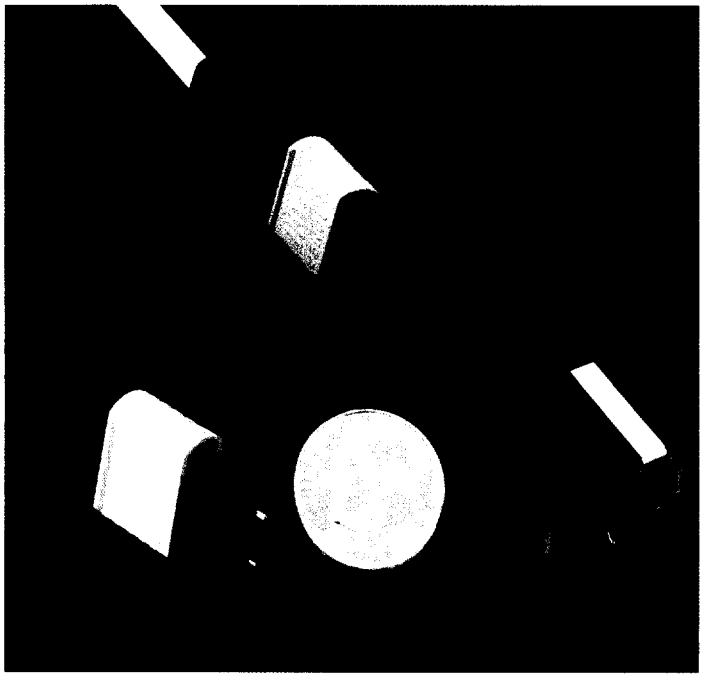
USCONEC™



MTP™ Multifiber Single-mode and Multimode Connectors and Adapter

The MTP™ Multifiber Connector provides quick and reliable connection for up to 12 optical fibers in a compact housing. Two MT-style, push-on connectors are mated using a low-profile bulkhead or PC card-mounted adapter. Connection is assured by the spring-action side latch housing – simply push-on and pull-off. The MTP™ incorporates the Conec® MT-style Multifiber Ferrule. Evaluation cords and fan-outs with the MTP™ are available. Private label housing available.

Features

(newly engineered, enhanced features on reverse side)

- No-epoxy housing design
- Terminates ribbon fiber or ribbonized individual fibers
- Designed for multimode and single-mode performance
- Incorporates cable strain-relief
- Keyed for proper insertion
- Compatible with Conec® 4- to 12-fiber single-mode ferrule
- Compatible with Conec® 4- to 12-fiber multimode ferrule
- Single-mode and multimode color-coded housing
- Adapter has spring or screw mount
- High-density connection: 25 mm x 10 mm
- Alignment achieved with precision guide pins

Applications

- Meets IEC Standard 1754-7
- Meets ANSI HIPPI 6400 Standard
- Parallel optical interconnect between PC cards and between patch panels
- High-density interconnection replacing up to 12 single-fiber connectors and sleeves
- Miniature interconnection for O/E modules
- Digital switch interframe connections

Specifications	Single-mode	Multimode
Insertion Loss	0.25 dB Typical (all fibers) 0.75 dB Maximum (all fibers)[1] [1] *As tested per ANSI/EIA-455-171 Method 03*	0.35 dB Typical (all fibers) 1.0 dB Maximum (all fibers)[2] [2] *Tests conducted with flat, non-contacting connectors*
Optical Return Loss	> 55 dB (8° Angle Polish)	High return loss polish procedure available
Operating Temperature	-40° C to +80° C (- 40° F to +176° F)	-40° C to +80° C (- 40° F to +176° F)
Rematability (1000 Rematings)	< 0.2 dB change (per EIA-455-21A)	< 0.2 dB change (per EIA-455-21A)

Applications Engineering Support

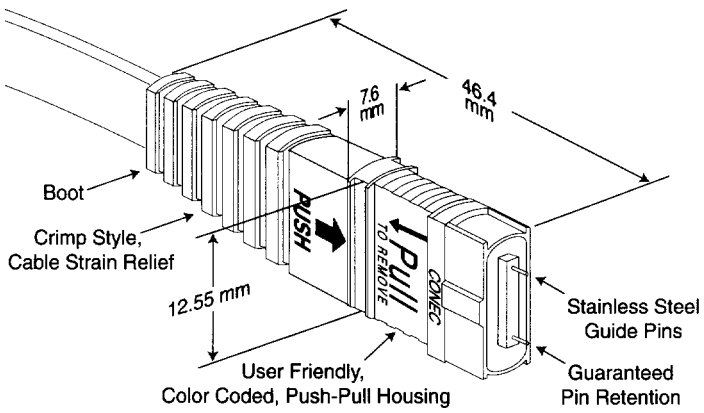
Call us today at 1-800-769-0944 for assistance in custom fiber size and fiber count requirements. Visit our web site at http://www.usconec.com

MTP™ Multifiber Single-mode and Multimode Connectors and Adapter

Ordering Information

MTP Connector Parts	Description	Part Number
Step 1: Select Ferrule	4-Fiber, Multimode, 127 µm	MTF-4MM7
	4-Fiber Single-mode, (Angle polish) 125 µm	MTFA-4SM5
	8-Fiber, Multimode, 126 µm (127 µm N/A)	MTF-8MM6
	8-Fiber, Single-mode, (Angle polish) 125 µm	MTFA-8SM5
	12-Fiber, Multimode, 127 µm	MTF-12MM7
	12-Fiber, Single-mode, (Angle polish) 125 µm	MTFA-12SM5
Step 2: Select Housing	Female (No Guide Pins), Multimode	MTP-012F-MM
	Female (No Guide Pins), Single-mode	MTP-012F-SM
	Male, Multimode	MTP-012M-MM
	Male, Single-mode	MTP-012M-SM
Select 3: Select 1 Adapter Per Connection	MTP™ Adapter	MTP-ADPT

MTP™ Connector



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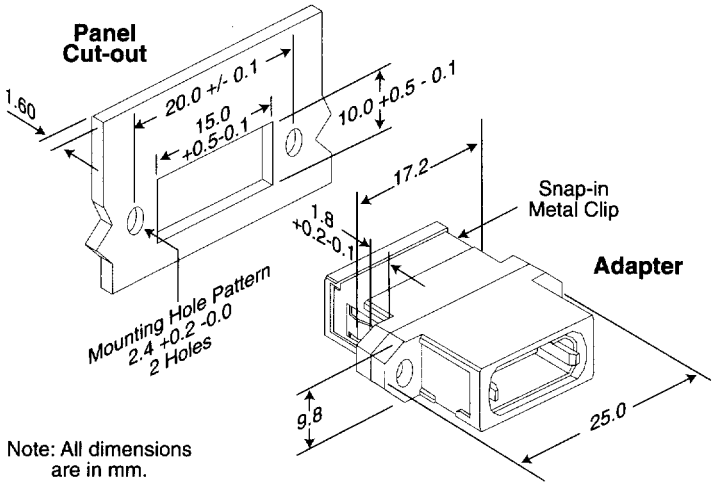
Panel Cut-out



Note: All dimensions are in mm.

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