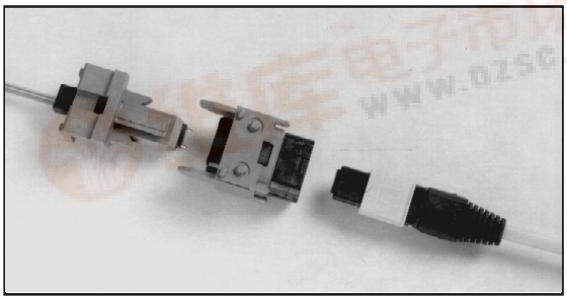
MTP Backplane Interconnect System (BMTP)

查询"86186-0020"供应商



Features & Benefits

- Patented dual shutter design for dust and eye safety protection
- Singlemode and multimode compatible
- Integrates with HDM electrical connector system
- Telcordia GR-1435-core compliant
- Generous mechanical float in the X, Y, and Z axis
- Compatible with optical flex circuit technology
- Utilizes standard MTP* connector as user interface

Applications

- High density blind mate interconnect for data and telecommunication systems
- Integrated optical and HDM electrical systems
- Total optical backplane solution when used with the Molex FlexPlane™ optical flex circuit

The Molex Backplane MTP (BMTP) interconnect system is designed to offer an industry standard user interface with the versatility of a blind mating card edge connector. Based on the NTT MT ferrule and MTP push-pull ribbon fiber connector, the BMTP interconnect is a high density solution for today's space constrained fiber optic systems.

The BMTP is Telcordia GR-1435-CORE compliant and is also designed to be compatible within the Molex High Density Metric (HDM) electrical backplane interconnect system. The BMTP system utilizes units which contain 1 MT ferrule and 1 MTP connector interface. Units can be ganged together within the HDM stiffener bar along with robust single or dual stainless steel guide pins, offering single unit insertion for ease of manufacturing. BMTP units can also be used as stand alone press fits and/or screw mounting to the card edge.

The BMTP can be configured for either multimode or singlemode ribbon fiber by simply using the appropriate MT ferrule and MTP connector. The system also supports the MTP gold high performance MT ferrule technology which offers improved singlemode performance. The BMTP interconnect can be incorporated into a total optical backplane solution when used in combination with optical flex circuitry.

*MTP is a registered trademark of US Conec Ltd.

Performance and Specifications

Characteristics	Units	Min.	Avg.	Max.	Comments
Insertion Loss:					
9/125µm SM fiber	dB	-	.35	1.0	-
62.5/125µm MM fiber	dB	-	.3	1.0	-
Return Loss:					
Singlemode	dB	-	-	< 60	Angle polish
Temperature Range	ºC	-40	-	+80	42 cycles
Durability	dB	-	-	<0.2	200 mate/unmate cycles

PRELIMINARY

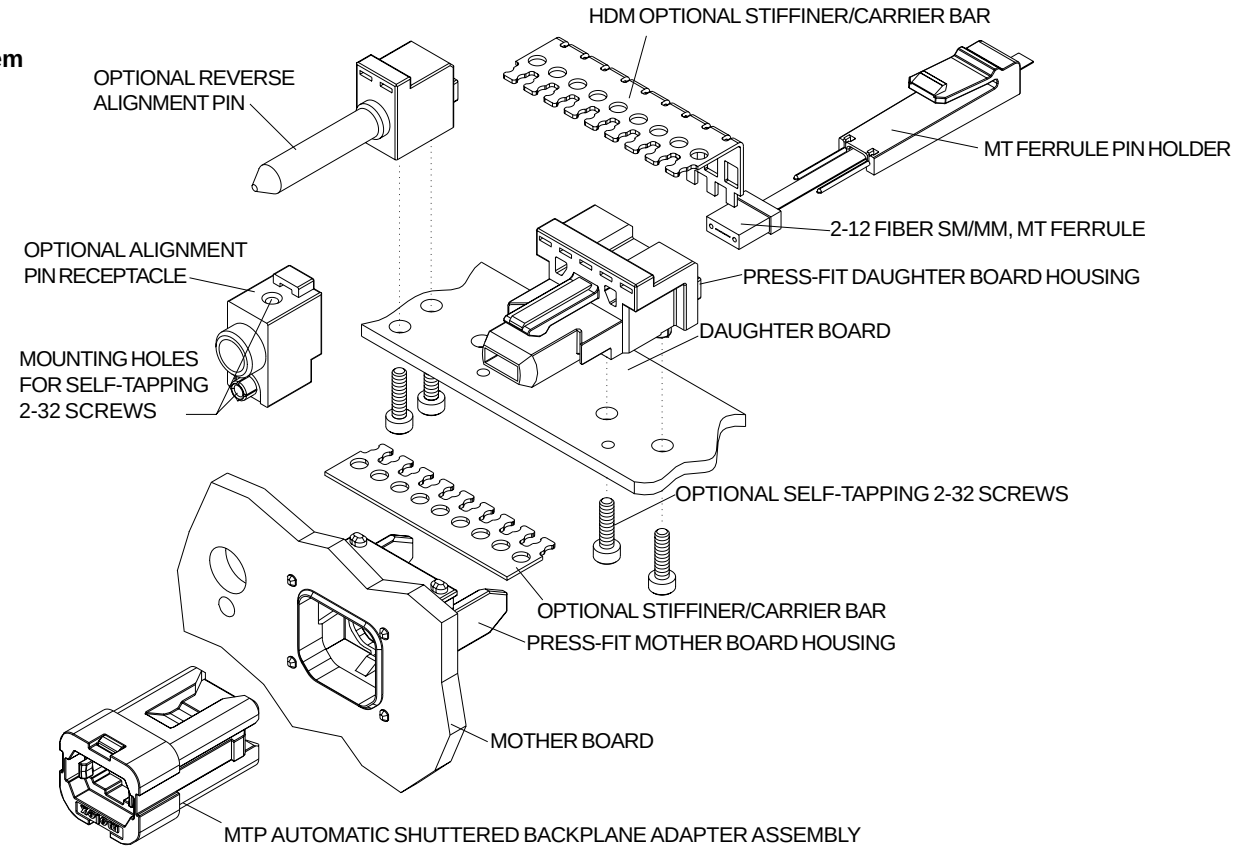
找PDF 维库一下 pdf.dzsc.com

MTP Backplane Interconnect System (BMTP)

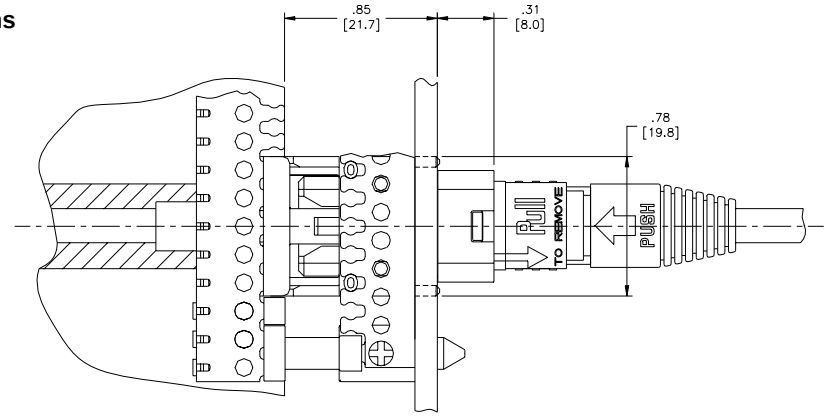
查询"86186-0020"供应商

Mechanical Dimensions

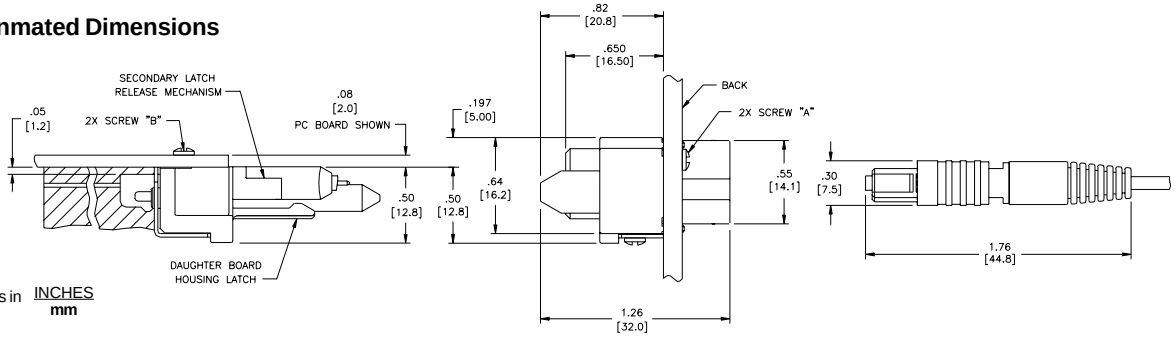
BMTP System



BMTP Mated Dimensions



BMTP Unmated Dimensions



All dimensions in INCHES
mm

MTP Backplane Interconnect System (BMTP)

查询"86186-0020"供应商

Standard Part Numbers

Order Number	Description
86086-5200	BMTP daughter board card parts kit, single position
86186-5000	BMTP mother board parts kit, single position, internal shutter
86186-0020	BMTP automatic shuttered adapter
86087-5202	MT ferrule pin holder

©2000, Molex
Molex reserves the right to make any changes to the product(s) or information contained herein without notice. No liability is assumed as a result of their use or application.