

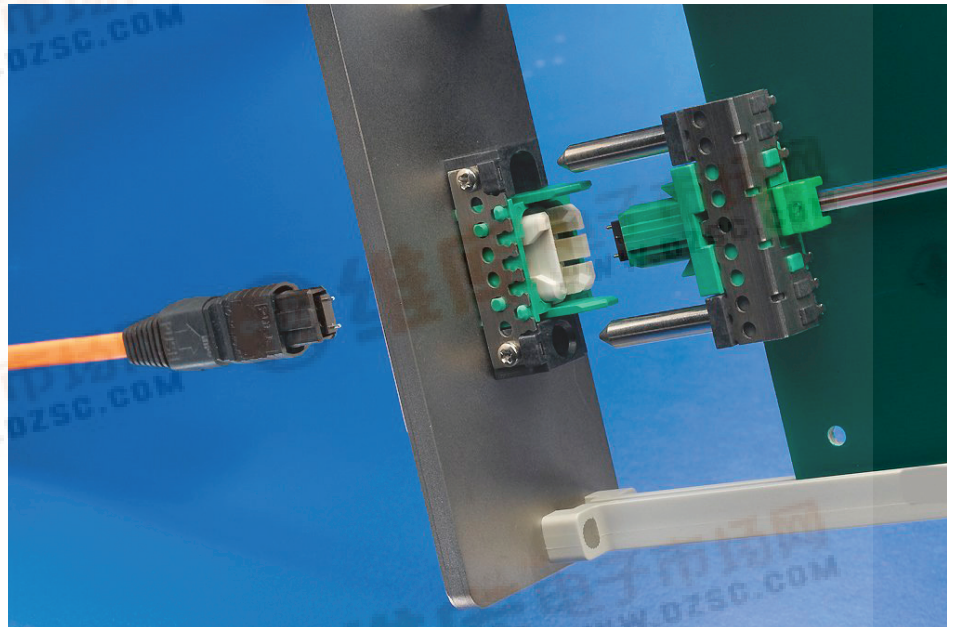
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The Molex Backplane MTP* (BMTP) interconnect system is designed to offer an industry standard user interface with the versatility of a blind mating card edge connector. Based on the NTT MT ferrule and MTP push-pull ribbon fiber connector, the BMTP 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 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.

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 low loss 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.



Features and Benefits

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

SPECIFICATIONS

Characteristics

Insertion Loss	Avg.	Max at Text	Comments
9/125µm SM Fiber	0.2 dB	0.75 dB	Angle Polish
9/125µm Los Loss SM	0.1 dB	0.5 dB	Angle Polish with Low Loss Ferrules
50/125µm MM Fiber	0.2dB	0.5 dB	
62.5/125µm MM Fiber	0.2 dB	0.5 dB	
Return Loss			
9/125µm SM Fiber		<55	Angle Polish
Durability			
9/125µm SM Fiber		<0.35 dB	200 Mate/Unmate Cycles with proper cleaning

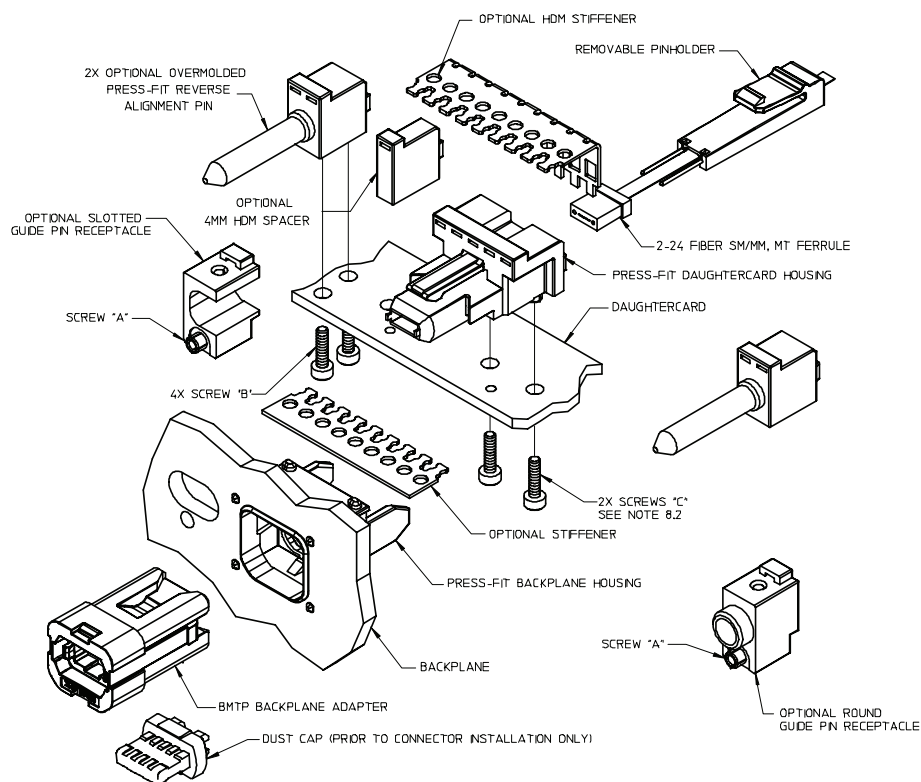
APPLICATIONS

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MTP* Backplane Interconnect System (BMTP)

- 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



ORDERING INFORMATION

Number of Connectors	BMTP Backplane	BMTP Daughter Card	Arrangement
1 position	106186-0017	106086-5220	2 guide pins
2 position	106186-0021, 106185-0027	106086-5226	2 guide pins
3 position	106186-0022	106086-5221	1 guide pins with spacer
3 position	106186-0025	106086-5225	1 guide pin without spacer
4 position	106186-0013	106086-5213	2 guide pins with spacer

Visit our website at www.molex.com/product/fiber

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