



With the versatility of an edge card connector, the HBMT™ MT High Density Backplane provides a smooth transition from pc board components to the backplane. Utilizing a standard MT ferrule as the optical interface, the HBMT provides up to 96-fiber interconnects. It is ideal for connecting backplanes and cross connect systems in computing equipment, telecommunication equipment including transmitters, switches, multiplexers and demultiplexers. Together with Molex's FlexPlane Optical Flex Circuitry System, the HBMT provides a total optical backplane solution.

The Molex HBMT features a blind-mate interface for easy insertion and removal of the daughtercard without disrupting the input/output ports or associated cabling. It is designed to meet the requirements of Telcordia GR-1435-CORE. This backplane system has a low-profile 6.00mm (.236") backplane fiber and a 14.80mm (.583") maximum height, ensuring compatibility with 20.00mm (.787") card spacing and European ETSI rack standards.

The HBMT uses a single housing that can contain up to four MT ferrules and can be configured for either multimode or single mode ribbon fiber. The system also supports the MT low loss and 24-fiber MT ferrule technology, offering improved performance and density. The RJ-45 mechanical latching provides easy insertion of individual terminated MT ferrules. A patented dual shutter design offers dust and eye safety protection.

Features and Benefits

Patented dual shutter design for dust and eye safety protection

Singlemode and multimode compatible

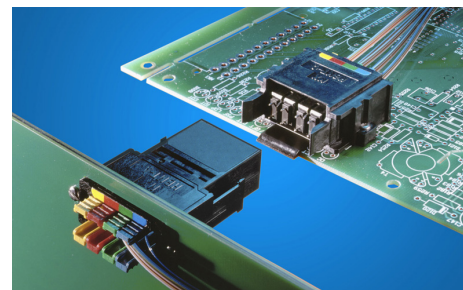
Telcordia GR-1435-core compliant

Generous mechanical float in the X, Y and Z axis

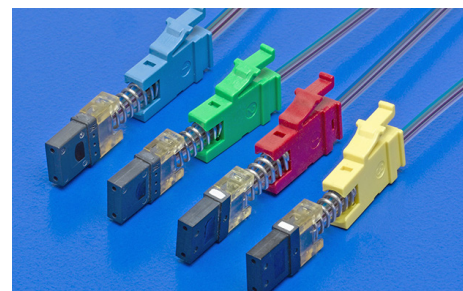
Compatible with optical flex circuit technology

Utilizes standard MT ferrule as the optical interface

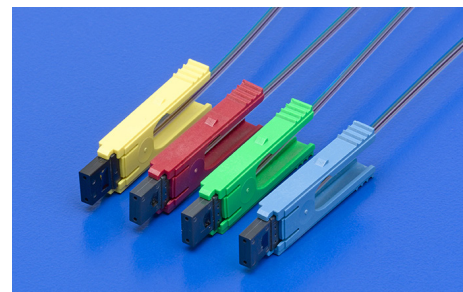
High Density Backplane MT Interconnect System (HBMT)



HBMT Interconnect



HBMT Daughtercard Clips



HBMT Backplane Clips

Applications

- High density blind mate interconnect for data and telecommunication systems
- Total optical backplane solution when used with Molex's FlexPlane optical flex circuit

Order Information*

Order No.	Type	Description	Mates With	Mating Type
106105-1100	HBMT connector	HBMT daughtercard connector housing, screw mount	106105-1000	Adapter
106105-2100		HBMT daughtercard connector housing, screw mount, floating	106105-2000	Adapter
106105-1000	HBMT adapter	HBMT motherboard adapter housing, screw mount, floating	106105-1100	Connector
106105-2000		HBMT motherboard adapter housing, screw mount, fixed	106105-2100	Connector

*The HBMT daughtercard and backplane clips are only sold as part of a cable assembly.

www.molex.com/fiber/hbmt.html