

FEATURES AND SPECIFICATIONS



FlexPlane™ Optical Circuitry

Features and Benefits

- Diverse substrate size, shape and packaging provides efficient and manageable solution to high fiber count systems
- Compatible with mass and discrete fiber terminations ensuring a customized solution
- Available in virtually any routing scheme provides a variety of design alternatives
- Direct or fusion splice terminations eliminate additional insertion loss
- Singlemode, multimode or hybrid versions provide variety of options

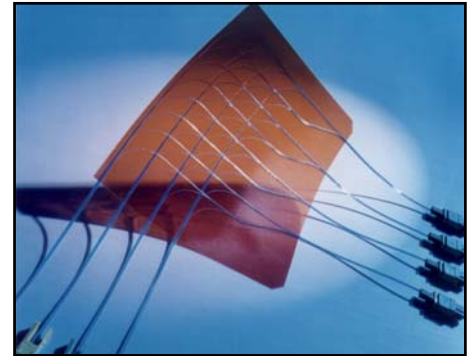
Applications

- Computing Equipment
- Telecommunication Equipment
 - Transmission
 - Switching
 - Multiplexing
- Broadband Equipment
 - Amplifiers

Reference Information

Telecordia GR-20 compliant
Use with: MT, MTP*, MPO, MT-RJ, SMC, LC, FC, ST†, SC, MU, BMTP and HBMT™ connector families

86401



*MTP is a registered trademark of US Conec Ltd.
†ST is a trademark of Lucent Technologies

Molex's FlexPlane optical flex circuit provides one of the highest density and versatile interconnect systems on the market today. For high fiber count interconnects in backplanes and cross-connect systems, the FlexPlane's high density routing on a flexible, flame-retardant substrate provides a manageable means of fiber routing from card-to-card or shelf to shelf. A variety of interconnects including blind mating MT and MTP based connectors can be used to connect the optical flex circuits to individual cards in a shelf.

Available in any routing scheme, fiber can be routed point-to-point, in a shuffle, or in a logical pattern. Direct or fusion-spliced terminations are available. Non-fusion splice lead lengths are available up to two meters. Molex provides a variety of FlexPlane interconnect options including: MT, MTP, MPO, MT-RJ, SMC, LC, FC, ST, SC, MU, up to 12 fiber Backplane MTP (BMTP) and up to 96 fiber High Density Backplane MT (HBMT).

Packaging alternatives include standard bare flexible substrate sandwiched in FR-4 or custom laminating. Each FlexPlane circuit can be fully tested down to the per port insertion loss and return loss.

ORDERING INFORMATION

Order Number	Description
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