MPO/MTP® Connector Presentation II

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Presentation Outline

- Transceivers with MPO Interfaces
- Multi-Source Agreement (MSA)
- Connector Performance
- Connector Availability & Support
- Field Installable Availability
- Summary

Companies Offering Parallel Optics Transceivers with an MPO/MTP Interface:

Agilent	Picolight
Alvesta	Emcore
IBM	Optobahn
Mitel	E_2O
Peracer	W.L. Gore

Multi-Source Agreement (MSA)

Agilent and Mitel announced a Common Standard for a 4-channel TxRx 10 Gbaud transceiver package.

The **MTP/MPO** has been selected as the connector interface.

Availability

- MTP/MPO assemblies are available through multiple sources in North America, Europe, and Asia:
  - 3M
  - Corning Cable Systems
  - Molex
  - Fujikura
  - Sumitomo
  - At least twenty other sources of MTP assemblies
- Connector license is available from NTT.
- SMC connector parts are not available to the open market.

Associated MPO/MTP Standards and Forums

- Optical Internetworking Forum (OIF)
  - a) 4+4 10 Gbaud Interface
  - b) 12 channel solution
- Infiniband adopted the MTP as the multi-fiber connector for 4 to 12-channel solutions.
- IEC 1754-7 2-12F MPO Intermate Specification
- JIS 2-12 F MT, MPO Intermate Specification
- HIPPI 6400 Proposal specs MPO
- TIA/EIA FOCIS-5 604-5 Type MPO published.

MTP® Attenuation Characteristics (dB)

	Typical	Max
Multimode	0.20	0.60
Single-mode (APC)	0.25	0.75
MTP Elite Single-mode	0.10	0.35

MTP®/MPO Support

- MTP backplane adapter systems are available from multiple vendors.
- US Conec will have a full line of EMI shielded adapters available in Q2, 2001.

MTP®/MPO Support

- MT/MTP installation processes and tools are fully supported by multiple sources.
- Easy to install; complete training available.
- Multiple vendors are offering MPO specific factory and field inspection scopes.

Field Installable MTP®

- Available in June 2001.
- At least two companies are working on field installable MTP.

Questions?

Motion

- US Conec proposes that the MPO be included in the 10 GFC Document as a baseline proposal for parallel optics transceivers.