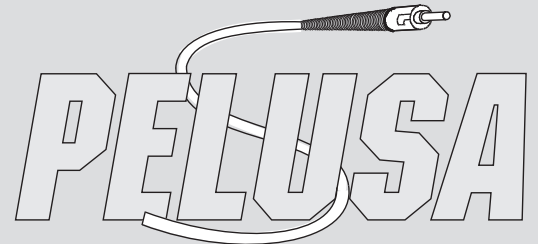




Priority Electronics Ltd

MPO



Priority Electronics USA

The search for the highest quality fiber optic assembly ends at Priority!

MPO is an industry term to describe a Multi-fiber Push On style connector. By definition, the MPO is a multi-fiber connector (single connector that houses multiple fiber terminations) that is defined by IEC-61754, "Fiber optic interconnecting devices and passive components" - Fiber optic connector interfaces - Part 7: Type MPO connector family"; and TIA-604-5-D, "Fiber Optic Connector Intermateability Standard, Type MPO"

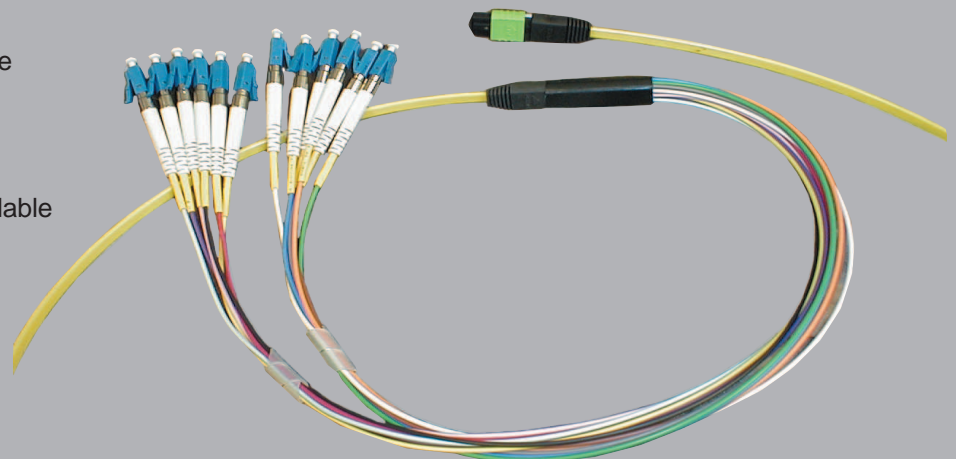
The connector concept was originally designed by NTT Group and a finite number of manufacturing licenses were subsequently issued. There are several variants of MPO compliant connectors in the market such as the MTP® connector*.

The MPO's rise in popularity stems from its unique ability to mate multiple fibers (2-24 fibers) within a single connector body housing therefore significantly reducing space. The connector's general design also has unique features compared to conventional connectors such as being rectangular in shape. It utilizes guide pins and precision holes for ferrule to ferrule alignment within the adapter as apposed to a precision alignment "sleeve" used in conventional adapters and the ferrule (MT) is made from a monolithic, high precision glass filled polymer as opposed to a ceramic material.



- ✦ Meets and exceeds Telcordia GR-1435
- ✦ 12 fiber SM low loss and 12 fiber MM low loss Max 0.25dB and a typical loss value of less than 0.1dB
- ✦ Alignment achieved with high precision metal guide pins and holder
- ✦ Oval Spring
- ✦ 20N Spring for 24f MM Ferrule
- ✦ Multiple boot styles available
- ✦ Hybrid MPO assemblies available

- MPO-SC
- MPO-FC
- MPO-ST
- MPO-LC



Make the **PRIORITY** Connection!

MTP is a registered Trademark of USConneC

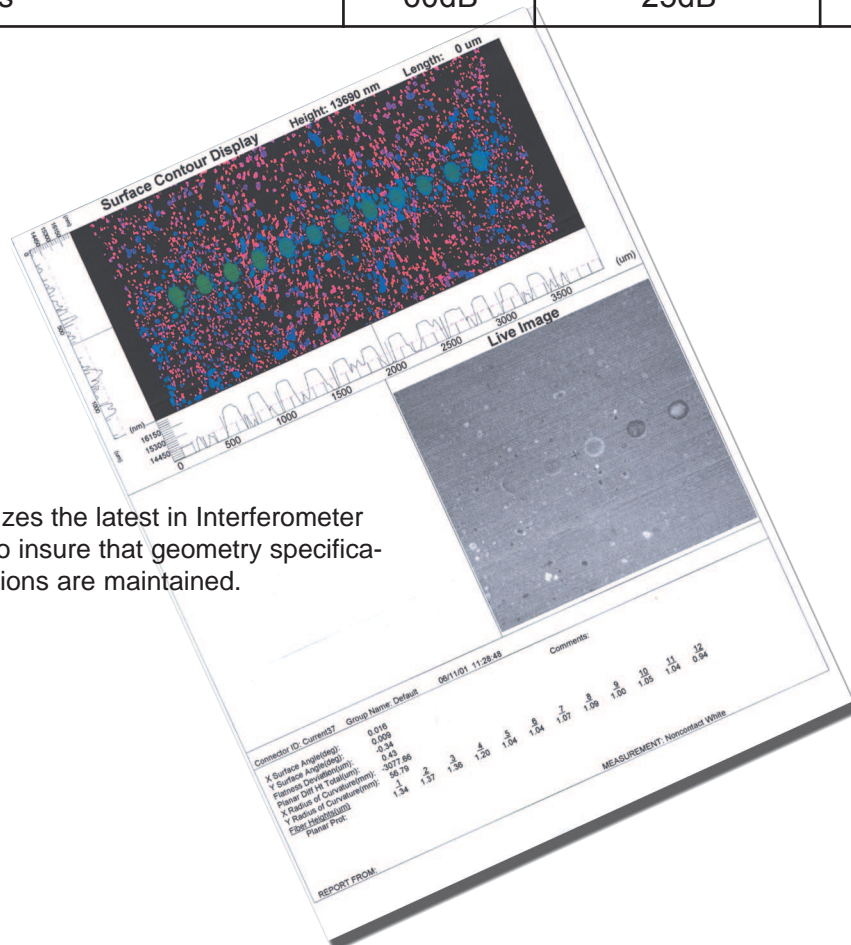
8 & 12 Fiber MT Ferrule Specifications

Specification	SM Standard		SM Low Loss		MM Standard		MM Low Loss	
	Typical	Max	Typical	Max	Typical	Max	Typical	Max
For MPO								
Insertion Loss	0.20dB	0.7dB	0.1dB	0.35dB	0.15dB	0.50dB	0.08dB	0.30dB
Return Loss	60dB (8° Polish)		60dB (8° Polish)		25dB (Flat Polish)		25dB (Flat Polish)	

24 Fiber MT Ferrule Specifications

Specification	SM	MM Low Loss	MM
IL Typical vs Reference Connector	0.25dB	0.15dB	0.20dB
IL Max vs Reference Connector	1.00dB	0.35dB	0.50dB
IL Typical Random Mating	0.50dB	0.20dB	0.25dB
Return Loss	60dB	25dB	25dB

Priority utilizes the latest in Interferometer technology to insure that geometry specifications are maintained.



Specifications subject to change without notice.