MPO Pro Connectors Family

MPO Pro Connector is a multi-fiber connector with its MT ferrule, designed for high-density backplane and Printed Circuit Board (PCB) applications in Datacom and Telecom systems. MPO connector offers up to 12 times the density of standard connectors, providing significant space and cost savings, it has a pair of grooves running parallel to the fibers for metal guide pins that align the ferrules when mated.

SAISO MPO Pro Connectors are available for terminated jumpers with standard singlemode and multimode, as well as Super Low Loss (MPO) versions with 8-fiber, 12-fiber and 24-fiber.

◎Features

- Precision molded multi-fiber MT ferrule
- Push-pull latching
- Compact design
- Both of Female and Male type are available
- JIS C5982, IEC 61754-7 standard compliant
- Telcordia GR-1435-CORE standard compliant

◎Specification

MPO Series	MM Standard		MM Super Low Loss		SM Standard		SM Super Low Loss	
Insertion Loss	Typical (all fibers)	0.20dB	Typical (all fibers)	0.08dB	Typical (all fibers)	0.25dB	Typical (all fibers)	0.10dB
	Maximum (single fiber)	0.40dB	Maximum (single fiber)	0.25dB	Maximum (single fiber)	0.75dB	Maximum (single fiber)	0.35dB
Return Loss	≥25dB (Flat Polish)		≥25dB (Flat Polish)		≥60dB (8° Angle Polish)		≥60dB (8° Angle Polish)	
Durability Temperature	≤0.2dB change, 1000 matings		≤0.2dB change, 1000 matings		≤0.3dB change, 500 matings		≤0.3dB change, 500 matings	
Operating	-40°C to +75°C							
Available Ferrules	8, 12, 24		8, 12		8, 12, 24		8, 12	

*SM Standard 24-Fiber(single fiber)=Typical 0.5dB and Maximum 1.0dB;
*MM Standard 24-Fiber=Typical 0.2dB and Maximum 0.6dB; MM Super Low Loss ferrule will use SM Pin to guarantee IL.

MPO Pro MM Connectors

MPO Pro, OM3 Aqua
with 3.0mm Round Boot

MPO Pro Connectors	
601	Female
602	Male

Fiber Channels	
8	24F
12	12F
24	24F
...	...

Ferrule Level	
1	MM Standard
2	MM Low Loss

Housing Color	
A	Aqua
V	Heather Violet
B	Beige
…	…

Boot Options	
1	Bare Ribbon
2	Flat Ribbon
3	3.0mm Boot
4	3.6mm Boot
5	5.0mm Boot
6	5.5mm Boot

Ordering Example: 601-F121-A3

MPO Pro SM Connectors

MPO Pro, SM Green
with 3.0mm Round Boot

MPO Pro, Key-Turn,
with 3.0mm Round Boot

MPO Pro Connectors	
621	Female
622	Male

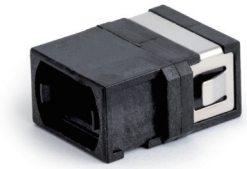
Fiber Channels	
8	24F
12	12F
24	24F
...	...

Ferrule Level	
1	MM Standard
2	MM Low Loss

Housing Color	
G	Green
Y	Yellow

Boot Options	
1	Bare Ribbon
2	Flat Ribbon
3	3.0mm Boot
4	3.6mm Boot
5	5.0mm Boot
6	5.5mm Boot

Ordering Example: 621-F121-A3



MPO Adapter, No Flange

Series: MPO Adapter
666

Adapter Flange	
1	With Falnge
2	No Falnge

Key Type	
UD	Key up-key down
UU	Key up-key up

Adapter Color	
A	Aqua
V	Heather Violet
H	Gray
K	Black
...	...

Ordering Example: 666-1UD-K