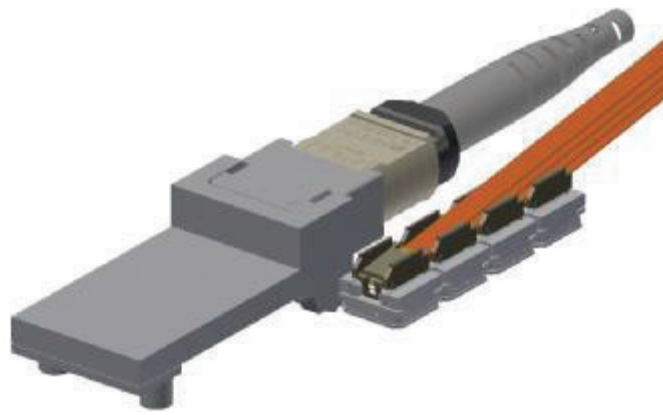


PRIZM® LightTurn® Assemblies

Fibernet manufactures custom-designed assemblies using the PRIZM LightTurn connector in combination with the MTP® connector or any other optical connector per customer request to provide a significant increase in card edge port density compared to conventionally used QSFP modules or parallel active optical cables on the card edge.

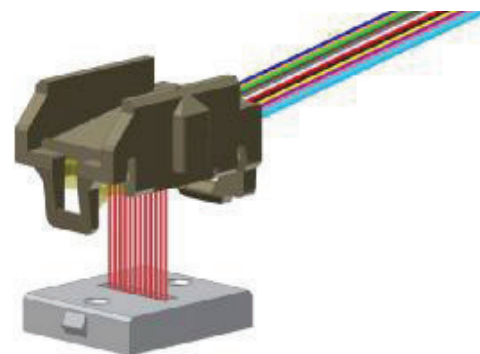


PRIZM LightTurn footprint comparison - MTP vs. four PRIZM LightTurn connectors

The low profile design of the PRIZM LightTurn provides excellent coupling to high bandwidth miniparallel optic modules. PRIZM LightTurn connector consists of a multi-fiber ferrule with a photonic turn TIR (Total Internal Reflection) lens array. This allows simple assembly on Avago modules and optimizes air-flow.



Cable mounted PRIZM LightTurn connector



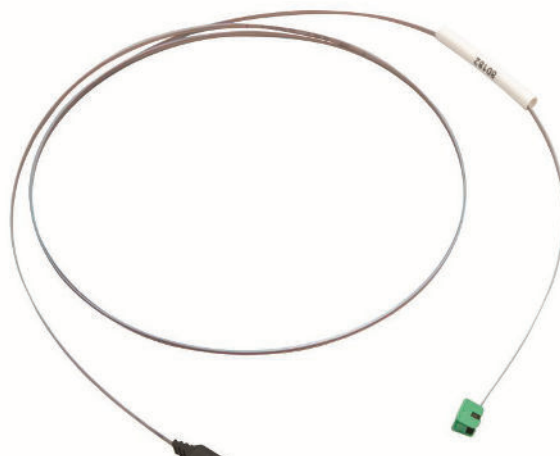
PRIZM LightTurn illustration

Features

- High I/O density (12 Fibers) directly on a PCB
- High Bandwidth High Speed
- Small form factor
- Board mounted Avago MicroPOD® and MiniPOD® modules
- Flat ribbon cables or jacketed round cables.

Applications

- Telecommunication applications
- Routers
- Switches
- Emerging High-Speed computer communication applications
- High-performance computing
- High-speed test
- IC testing



MTP to PRIZM LightTurn board mounted connector cable

Optical Parameters for PRIZM Connector

	MM PRIZM
Insertion Loss	< 2.0dB @ 850nm
Durability	≤1dB change 20 mating (per EIA-455-21A)
Operating Temperature	-40°C ~ +75°C Telcordia GR-1435 Uncontrolled Environment