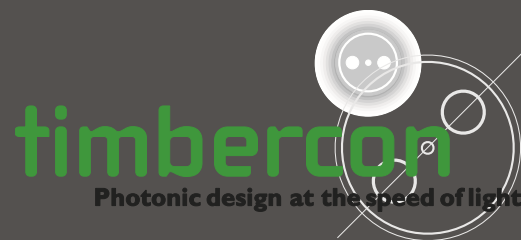


PRIZM[®] LightTurn[®] Cable Assemblies



BENEFITS

- Increases real estate opportunities with mid-board transceiver mounting
- Improves cable management and optimizes airflow on PCBs
- Provides high density data communications with excellent signal integrity

APPLICATIONS

- High speed computercom markets
- Datacom
- Telecom

PRIZM[®] LightTurn[®] Cable Assemblies

The US Conec Ltd.'s PRIZM[®] LightTurn[®] is a right angle connector that interfaces with the Avago MicroPOD[™], MiniPOD[™] and other high density transceivers.

The PRIZM[®] LightTurn[®] 12-fiber connector consists of a multi-fiber floating ferrule with a photonic TIR lens enclosed in a protective housing. The unique perpendicular mating capability increases real-estate opportunities on dense printed circuit boards by improving cable management and allowing for tight spacing of transceiver modules internal to the board rather than using very limited and in high demand parallel edge-mount solutions.

The cable assembly will connect PRIZM[®] to the MTP. The PRIZM[®] LightTurn[™] is available in 2mm round jacketed and bare ribbon fiber cable assemblies. Assemblies utilize 50 μ m multimode fiber available in OM2, OM3 and OM4.

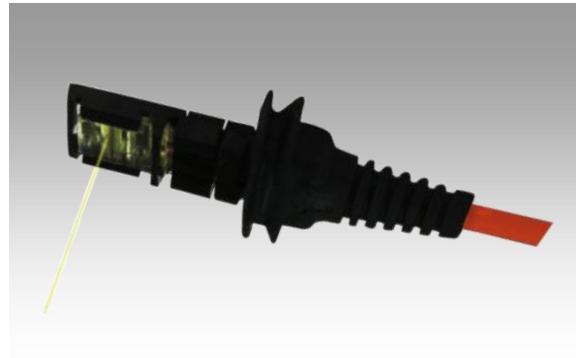
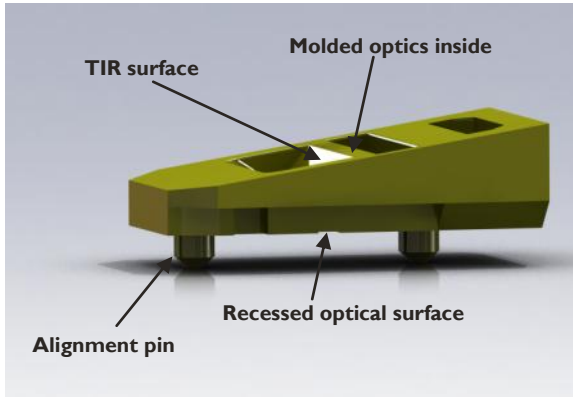
SOLUTIONS

FEATURES

- Multi-fiber floating ferrule
- Photonic TIR (total internal reflection) lens in a protective housing
- Unique perpendicular mating capability
- Bidirectional passive assembly



PRIZM[®] LightTurn[®] Cable Assemblies



SPECIFICATIONS

Typical Optical Performance of PRIZM[®]

Exit Beam Angle
Exit Beam Collimation

Beam Position

Throughput Loss for MTP / PRIZM

Performance Range

To optical reference surface $< 1^\circ$

~180 microns at optical exit window

~190 microns 2mm below exit window

< 15 micron radial offset relative to guide pins
at the exit window

0.4 dB typical

-40C to +80C

ABOUT

About Timbercon, Inc.

Founded in 1997, Timbercon, Inc. is a fiber optic product and solution manufacturing company that provides a wide array of connectivity solutions to the military, broadcast, harsh environment, telecommunications, industrial and networking industries. In addition to standard fiber optic cable assemblies and attenuated test cables, Timbercon has pioneered proprietary products, many are now considered to be industry benchmarks. Additional company information can be found at www.timbercon.com.

