

# Snap Lock Connectors



A miniature single channel fiber optic connector

## Product Description

- Less Space
- More Performance
- Cost Efficient Design

Innovative Delphi Snap Lock™ miniature, single channel, fiber optic connectors will meet your rugged, space limited, cost efficient design requirements without sacrificing performance. The connector's push/pull coupling design provides an efficient mate/demate feature while maintaining the same high optical performance associated with our multi-channel connectors.

Delphi Snap Lock connectors can reside on a PCB where real estate is at a premium. This miniature connector can be mounted directly onto the board, and further space reduction is achieved without the need for a threaded coupling ring. Snap Lock is available in several versions, including in-line plug, in-line receptacle and jam-nut receptacle to meet design requirements.

## Self Aligning Termini

The connector's fiber optic termini utilize constant pressure from Belleville springs, rather than lower force coil springs, to help prevent termini separation resulting from shock, vibration or thermal cycling. The termini "float" within the connector and self-align to provide precise mating every time.

## Typical Applications:

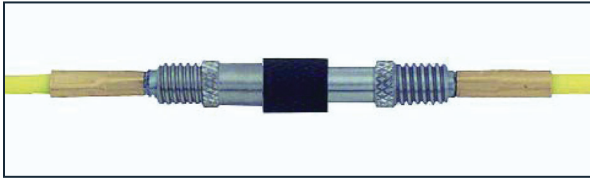
- Where single channel connectors are typically used
- Military and commercial electronic systems
- Navy shipboard
- Satellite systems
- Mechanical splices
- Test equipment
- Towed arrays
- Bulkhead mounts

## Benefits/Features:

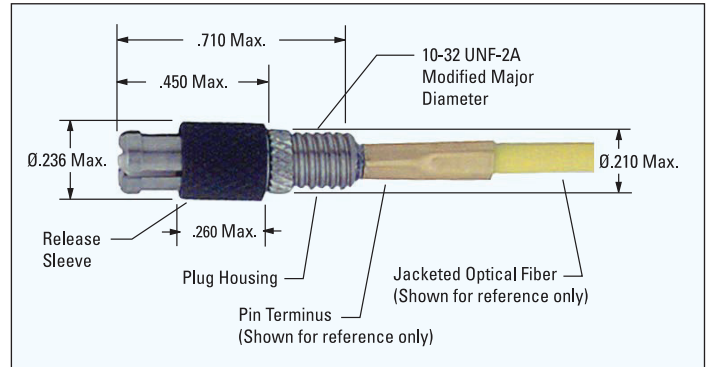
- Compact size, with a maximum diameter of less than .25 inch [6.35 mm] for in-line and less than .30 inch [7.62 mm] for jam-nut mount
- Push/pull style single channel connector houses field proven termini and reduces space required for mounting
- Conveniently utilizes the same termini and termination processes common to other Delphi™ brand fiber optic connectors
- Pull-proof (non-optical disconnect)
- Lightweight
- No threaded coupling-ring required for mating

## Specifications

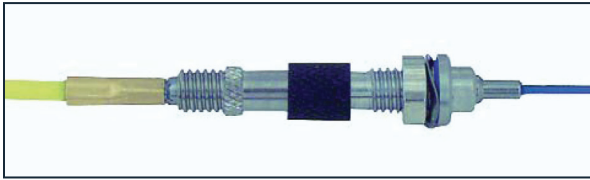
### In-Line Plug to In-Line Receptacle - Mated



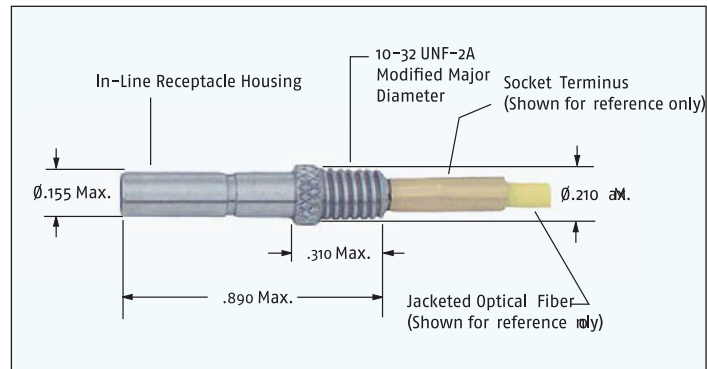
### In-Line Plug



### In-Line Plug to Jam-Nut Receptacle - Mated



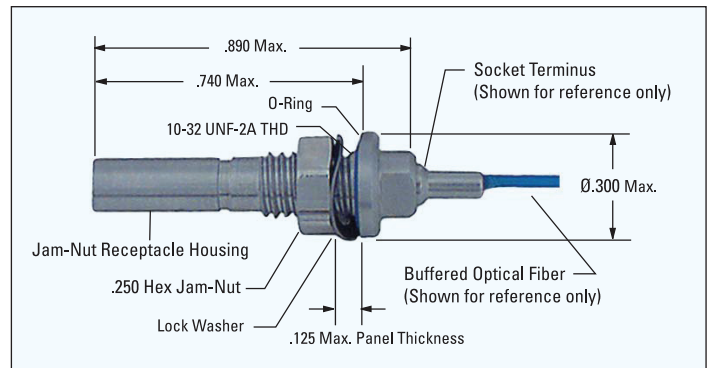
### In-Line Receptacle



### Self-Aligning Termini



### Jam-Nut Receptacle



All dimensions are in inches.

## Ordering Information

Connector Type	Part Number
In-Line Plug	4568515H
In-Line Receptacle	4568516H
Jam-Nut Receptacle	1146770H