# Super ITS-IFO B High-Speed High-Data Rate Fiber Optic Connectors
## 6-Pole Fiber Optic Connector and Backshell

**Glenair**

## Super ITS - IFO B 6-pole, size 24 connectors with environmental backshell

Super ITS - IFO B fiber optic connectors deliver ruggedized high-speed, high data rate I/O interconnect performance in extreme environmental conditions. Designed to optimize high fiber tensile strength, axial alignment, and resistance to micro-bending for improved optical performance. Environmental backshells are available with or without additional strain relief. Styles include plug and wall-mount receptacle.

| Connector Technical Characteristics | |
|---|---|
| **Property** | **Description** |
| Connection | Fiber Optic |
| Fiber Type | 9/125 - 50/125 - 62/125 |
| Insertion Loss [DB] | ≤ 1.4 dB |
| Working Temperature | -25° to +85° C |
| Flammability | UL94-V0 |
| Insert | Thermoplastic Resin |
| Shell | Aluminum Alloy; see Material/Finish table for available platings |
| Mating Cycles | 500 Cycles |
| Environmental Rating | IP67 (mated) |
| Gaskets and Bushings | Polychloroprene and Silicone Rubber |
| **Optical Contact Technical Characteristics** | |
| Optical Contacts | Zirconia ferrules |
| | Stainless steel springs |
| | Zirconia split sleeves |
| Ferrule Diameter | 2.5 mm |

| Connector Shell Styles | |
|---|---|
| **Code** | **Description** |
| **030** | Rear panel-mount, wall-mount receptacle with M3 metric threaded holes |
| **06** | Plug |

### How To Order

| Sample Part Number: | | IFO B | 06 | 24 | -6 | M | 9 | PG | F7 |
|---|---|---|---|---|---|---|---|---|---|
| **Series** | **IFO B** = ITS MIL-DTL-5015 Type fiber optic reverse bayonet coupling | | | | | | | | |
| **Shell Style** | **See** shell style table | | | | | | | | |
| **Shell Size** | **24** | | | | | | | | |
| **No. of Fibers** | **6** | | | | | | | | |
| **Contact Gender** | **M** = Male **F** = Female | | | | | | | | |
| **Fiber Type** | **9** - Single mode 9/125<br>**50** - Multimode 50/125<br>**62.5** - Multimode 62.5/125 | | | | | | | | |
| **Backshell** | **PG** = Backshells for conduit termination<br>**PGSW** = Strain relief backshells for jacketed cables | | | | | | | | |
| **Material / Finish** | **Omit** for aluminum / cadmium olive drab<br>**F6** = Aluminum / black electrodeposited paint<br>**F7** = Aluminum / black zinc nickel | | | | | | | | |

| Available Backshell | |
|---|---|
| **Description** | **Style** |
| **PG** Conduit Termination Backshell |  |
| **PGSW** Strain relief backshells for jacketed cables |  |

**SUPER ITS:** HIGH-SPEED, HIGH DATA-RATE

**B**

Glenair®

Glenair Super ITS - IFO B Fiber Optic reverse bayonet, shell size 24 connectors offer a six-pole fiber optic interconnect solution packaged in a rugged, reverse-bayonet design with integrated environmental sealing. Connectors with accessory threads may be outfitted with PG or PGSW environmentally-sealed backshells for conduit termination. Protective covers are available for use at all times when connectors are in unmated condition.

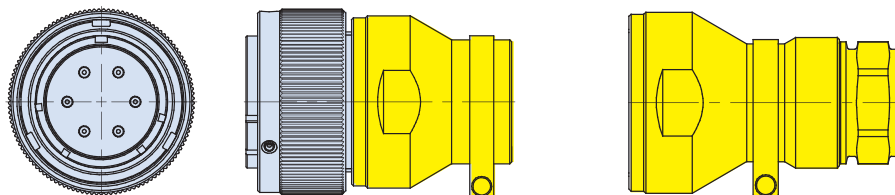| Fiber Optic Contacts | |
|---|---|
| **Contact** | **Dimensions** |
| **Male** | Ø 2.5 — 4.7 — Ø 2.5 — Ø 2.5 — 9.95 — 20.55 |
| **Female** | Ø 2.5 — 4.7 — Ø 2.5 — Ø 2.5 — 9.95 — 24 |



## SHELL STYLE 030: REAR PANEL-MOUNT, WALL-MOUNT RECEPTACLE AND PG (FOR CONDUIT) OR PGSW (FOR JACKETED CABLE) BACKSHELLS
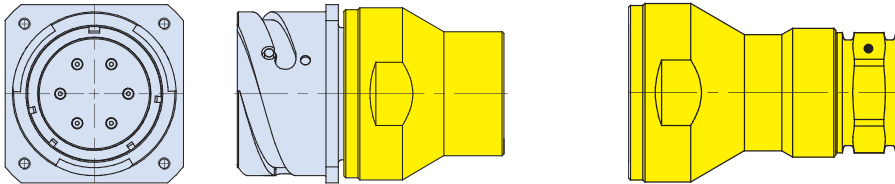


| Sample Part Number | | | | | | | |
|---|---|---|---|---|---|---|---|
| **IFO B** | **030** | **24** | **-6** | **M** | **9** | **PG** | **F7** |
| IFO B Series | Shell Style | Shell Size | No. Of Fibers | Contact Gender | Fiber Type | Backshell | Material / Finish |

## SHELL STYLE 06: IN-LINE PLUG AND PG OR PGSW BACKSHELL AND PG (FOR CONDUIT) OR PGSW (FOR JACKETED CABLE) BACKSHELLS



| Sample Part Number | | | | | | | |
|---|---|---|---|---|---|---|---|
| **IFO B** | **06** | **24** | **-6** | **M** | **9** | **PGSW** | **F7** |
| IFO B Series | Shell Style | Shell Size | No. Of Fibers | Contact Gender | Fiber Type | Backshell | Material / Finish |

| Part Number Options |
|---|
| **Contact Gender** |
| **M** = Male <br> **F** = Female |
| **Fiber Type** |
| **9** - Single mode 9/125 <br> **50** - Multimode 50/125 <br> **62.5** - Multimode 62.5/125 |
| **Backshell** |
| **PG** = Environmentally sealed backshell for conduit termination <br> **PGSW** = Environmentally sealed backshell with strain relief for jacketed cables <br> Omit for none |
| **Material / Finish** |
| Omit for aluminum/cadmium olive drab <br> **F6** = Aluminum/black electrodeposited paint; RoHS <br> **F7** = Aluminum/black zinc nickel; RoHS |

**SUPER ITS:** HIGH-SPEED, HIGH DATA-RATE

**B**