



RUGGED REVERSE-BAYONET

Super ITS-IFO B High-Speed High-Data Rate Fiber Optic Connectors



2-Pole Fiber Optic Connectors and Backshells



Super ITS - IFO B 2-pole, size 10SL 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. Receptacle shell styles include wall-mount, box-mount, and in-line.

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

Connector Shell Styles	
Code	Description
00	Front panel-mount, wall-mount receptacle with through-holes and accessory threads.
01	In-line receptacle
02	Front panel-mount, box-mount receptacle with through-holes, no accessory threads.
06	Plug

Connector Technical Characteristics	
Connection	Fiber Optic
Fiber Type	9/125 - 50/125 - 62.5/125
Max 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

Material and Finish	
Optical Contacts	Zirconia ceramic ferrule
	Stainless steel springs (female)
	Zirconia ceramic split sleeve (female)
Gaskets and Bushings	Polychloroprene and Silicone Rubber

How To Order	
Sample Part Number:	IFO B 00 10SL -2 M 9 PHM F7
Series	IFO B = ITS MIL-DTL-5015 Type fiber optic reverse bayonet coupling
Shell Style	See shell style table
Shell Size	10SL
Number of Fibers	2
Contact Gender	M = Male F = Female
Fiber Type	9 = Single mode 9/125 50 = Multimode 50/125 62.5 = Multimode 62.5/125
Backshell	PHM = Environmental sealing backshell SRPHM = Environmental sealing backshell with strain relief
Material / Finish	Omit for aluminum / cadmium olive drab F6 = Aluminum / black electrodeposited paint F7 = Aluminum / black zinc nickel

Available Backshells	
Description	Style
PHM Environmental Sealing Backshell for Jacketed Cables	
SRPHM Environmental Sealing, Strain Relief Backshell for use with Jacketed Cables	



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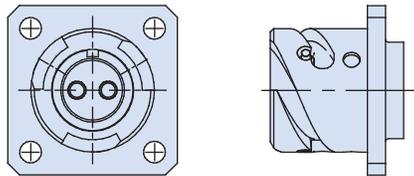


2-Pole Fiber Optic Connectors and Backshells

Glenair Super ITS - IFO B Fiber Optic reverse bayonet, shell size 10SL connectors offer a two-pole fiber optic interconnect solution packaged in a rugged, reverse-bayonet design with integrated environmental sealing. Connectors with accessory threads are available with either PHM or SR PHM style extended-length backshells to prevent bending of fiber optic cable. Backshells are intended for use with jacketed cables. Protective covers are available for use at all times when connectors are in unmated condition.

Fiber Optic Contacts	
Contact	Dimensions
Male	
Female	

SHELL STYLE 02: FRONT PANEL-MOUNT, BOX-MOUNT RECEPTACLE WITH THROUGH-HOLES, WITHOUT ACCESSORY THREADS



Part Number Options
Contact Gender
M = Male
F = Female
Fiber Type
9 = Single mode 9/125
50 = Multimode 50/125
62.5 = Multimode 62.5/125
Material / Finish
Omit for aluminum/cadmium olive drab
F6 = aluminum/black electrodeposited paint; RoHS
F7 = aluminum/black zinc nickel; RoHS

Sample Part Number							
IFO B	02	10SL	-2	M	9	PHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE



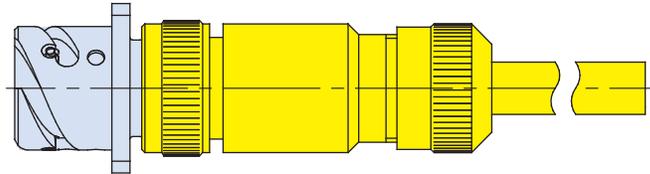
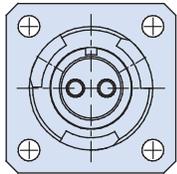


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2-Pole Fiber Optic Connectors and Backshells

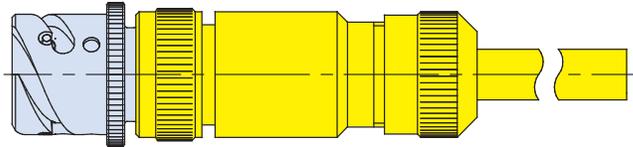
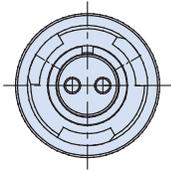
SHELL STYLE 00: FRONT PANEL-MOUNT, WALL-MOUNT RECEPTACLE WITH THROUGH-HOLES AND ENVIRONMENTAL CABLE SEALING BACKSHELL



Sample Part Number							
IFO B	00	10SL	-2	M	9	PHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

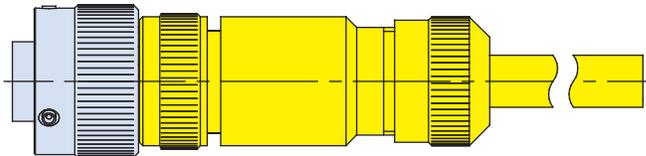
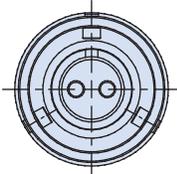
Part Number Options
Contact Gender
M = Male
F = Female
Fiber Type
9 = Single mode 9/125
50 = Multimode 50/125
62.5 = Multimode 62.5/125
Backshell
PHM = Cable sealing backshell
Omit for none
Material / Finish
Omit for aluminum/cadmium olive drab
F6 = Aluminum/black electrodeposited paint; RoHS
F7 = Aluminum/black zinc nickel; RoHS

SHELL STYLE 01: IN-LINE RECEPTACLE AND ENVIRONMENTAL CABLE SEALING BACKSHELL



Sample Part Number							
IFO B	01	10SL	-2	M	50	PHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

SHELL STYLE 06: PLUG AND ENVIRONMENTAL CABLE SEALING BACKSHELL



Sample Part Number							
IFO B	06	10SL	-2	M	9	PHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

B

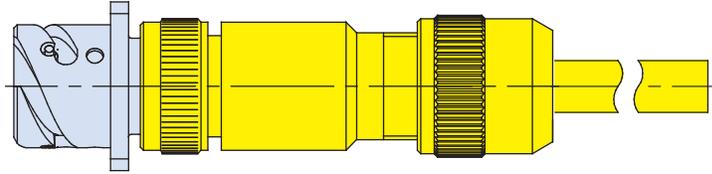
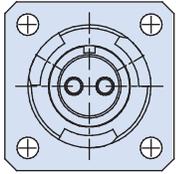


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2-Pole Fiber Optic Connectors and Backshells

SHELL STYLE 00: FRONT PANEL-MOUNT, WALL-MOUNT RECEPTACLE WITH THROUGH-HOLES AND ENVIRONMENTAL CABLE SEALING BACKSHELL WITH STRAIN RELIEF



Sample Part Number

IFO B	00	10SL	-2	M	9	SRPHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

Part Number Options

Contact Gender

M = Male
F = Female

Fiber Type

9 = Single mode 9/125
50 = Multimode 50/125
62.5 = Multimode 62.5/125

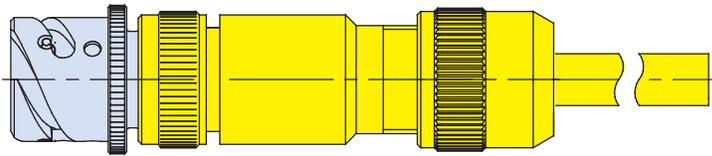
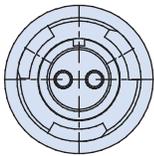
Backshell

SRPHM = Strain relief, cable sealing backshell
Omit for none

Material / Finish

Omit for aluminum/cadmium olive drab
F6 = Aluminum/black electrodeposited paint; RoHS
F7 = Aluminum/black zinc nickel; RoHS

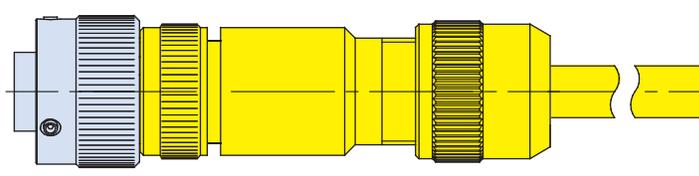
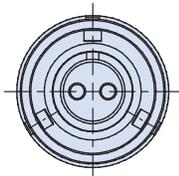
SHELL STYLE 01: IN-LINE RECEPTACLE AND ENVIRONMENTAL CABLE SEALING BACKSHELL WITH STRAIN RELIEF



Sample Part Number

IFO B	01	10SL	-2	M	9	SRPHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

SHELL STYLE 06: PLUG AND ENVIRONMENTAL CABLE SEALING BACKSHELL WITH STRAIN RELIEF



Sample Part Number

IFO B	06	10SL	-2	M	50	SRPHM	F7
ITS Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

B