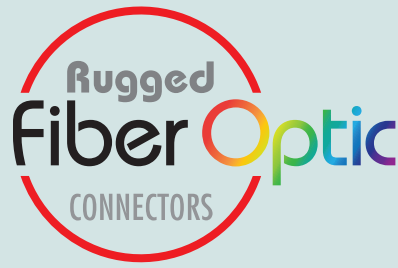
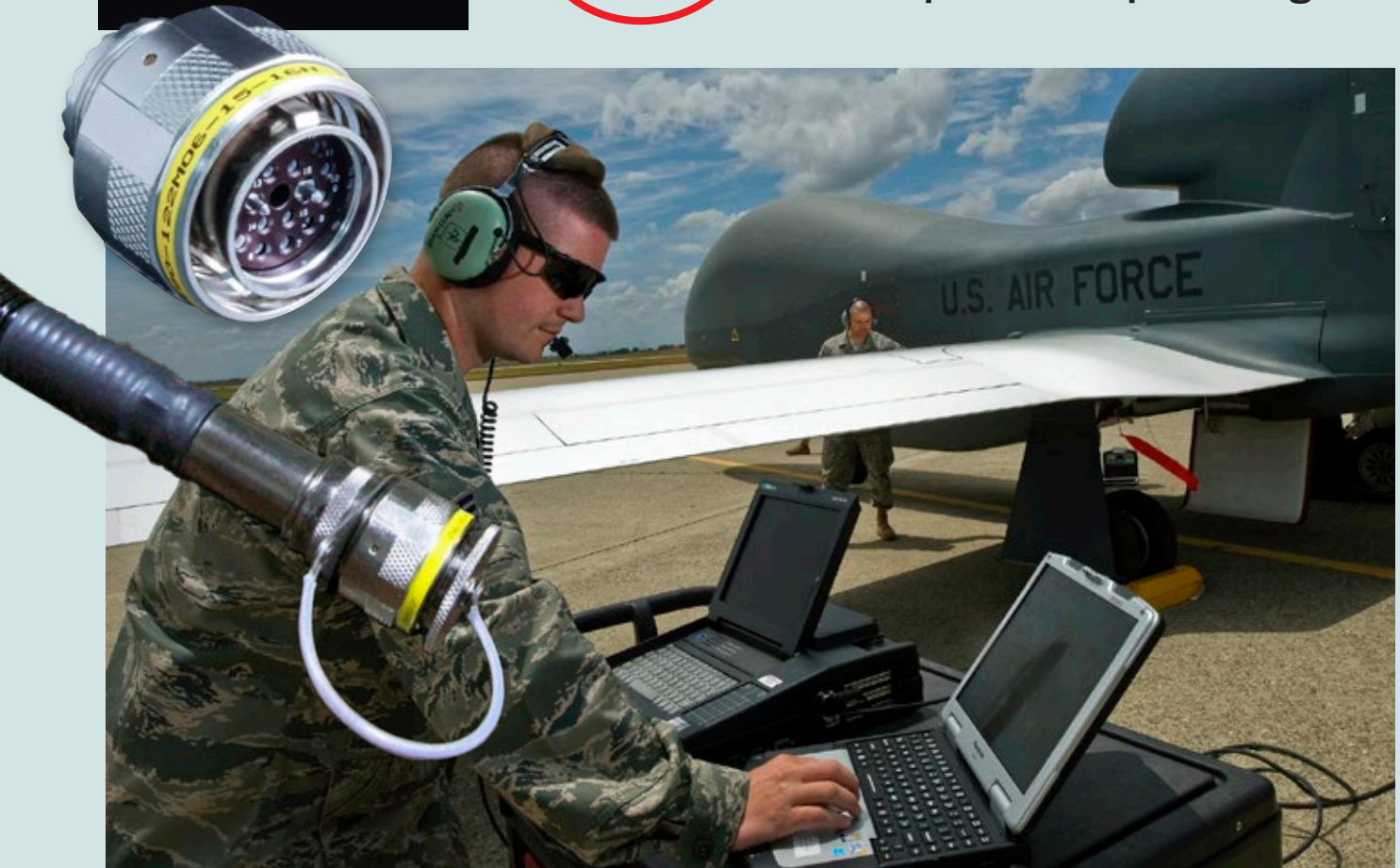


GLENAIR
SIGNATURE
FIBER OPTIC
CONNECTION
SYSTEMS



Glenair High Density (GHD): nearly double the density of standard mil-spec fiber optic designs



The system of choice for military and commercial air and space applications. Outstanding optical and environmental performance with nearly double the density of standard mil-spec, butt-joint solutions.

- Innovative #18 (1.25mm ferrule) front-release genderless termini accommodate 900 μ to 2.0mm jacketed fiber
- M85045/16 cable accommodation
- Composite, aluminum or stainless steel shells
- Single key termini for APC polish available
- Better optical performance than D38999 with nearly double the density
- Precision alignment sleeve retainer with integrated guide pins

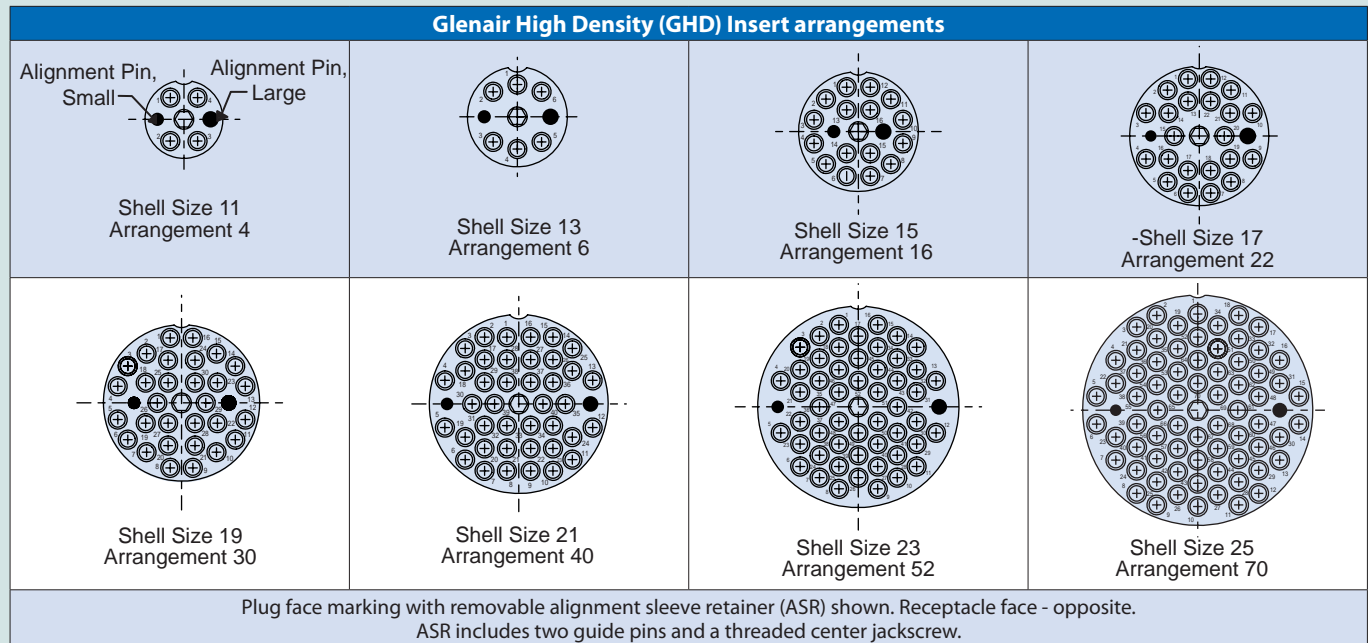


GHD plug connector with alignment sleeve retainer, and square flange receptacle. Termini available in keyed and non-keyed styles

SIZE- AND WEIGHT- SAVING Glenair High Density (GHD)



Signature HD fiber optic connection system



Fiber Optic Pin Termini Specifications			
Assembly Dash Number		Fiber Size	A Dia.
Keyed	Non-Keyed	Core/Cladding	[microns]
181-047-1255C	181-056-1255C	9/125 (Singlemode)	125.5
181-047-1260C	181-056-1260C	9/125, 50/125, 62.5/125	126.0
181-047-1270C	181-056-1270C	50/125, 62.5/125	127.0
181-047-1420C	181-056-1420C	100/140	142.0
181-047-1450C	181-056-1450C	100/140	145.0
181-047-1560C	181-056-1560C	62.5/125/155 (Polyimide)	156.0
181-047-1570C	181-056-1570C	62.5/125/155 (Polyimide)	157.0
181-047-1730C	181-056-1730C	100/140/172 (Polyimide)	173.0
181-047-1750C	181-056-1750C	100/140/172 (Polyimide)	175.0
181-047-2360C	181-056-2360C	200/233	236.0
181-047-2860C	181-056-2860C	200/280	286.0

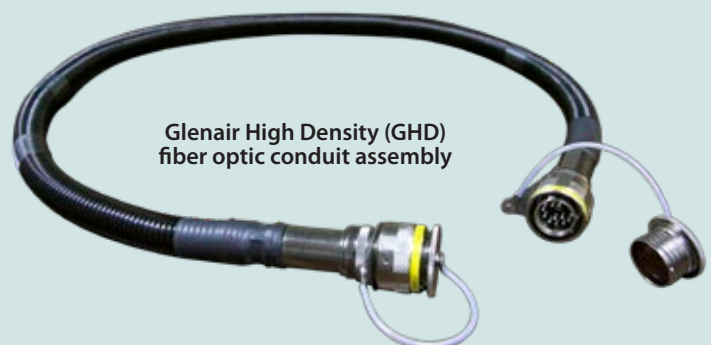
Crimp Sleeve is supplied with Terminus Assembly, and may be ordered separately. For terminus less crimp sleeve, omit **C** from end of part number (e.g. 181-056-1260)

Table I: Material and Finish		
Code	Material	Finish Description
M	Aluminum Alloy	Electroless Nickel
MT		Nickel - PTFE, Grey
NF		Cadmium, Olive Drab
ZNU		Zinc-Nickel, Black
ZR		Zinc-Nickel, Black (RoHS)
XM	Composite	Electroless Nickel
XMT		Nickel - PTFE, Grey
XW		Cadmium, Olive Drab
XZN		Zinc-Nickel, Black
ZL	Stainless Steel	Electro-Deposited Nickel
Z1		Passivate

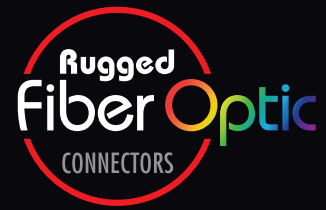
GHD Fiber Optic Part Number Reference	
Glenair Dwg. Number	Product Description
181-047	#18 Pin Terminus, Keyed for APC Polish
181-056	#18 Pin Terminus, non-keyed (standard)
181-058	#18 Dummy Terminus
180-122 (05)	In-Line Receptacle Connector
180-122 (06)	Plug Connector with Alignment Sleeve Retainer
180-122 (08)	Jam Nut Mount Receptacle Connector
180-122 (H7)	Square Flange Receptacle with Round Holes
180-122 (S7)	Square Flange Receptacle with Slotted Holes

* See fiber optic catalog for complete part number information

Pin Density Comparison: Glenair High Density Versus D38999 and M28876								
Connector Style / Size	11	13	15	17	19	21	23	25
D38999 Cavity Count	2	4	5	8	11	16	21	29/37
M28876 Cavity Count	2	4	8	N/A	N/A	N/A	31	N/A
GHD Cavity Count	4	6	16	22	30	40	52	70

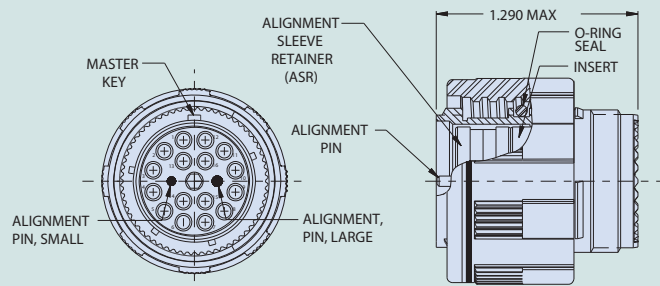


SIZE- AND WEIGHT- SAVING Glenair High Density (GHD)

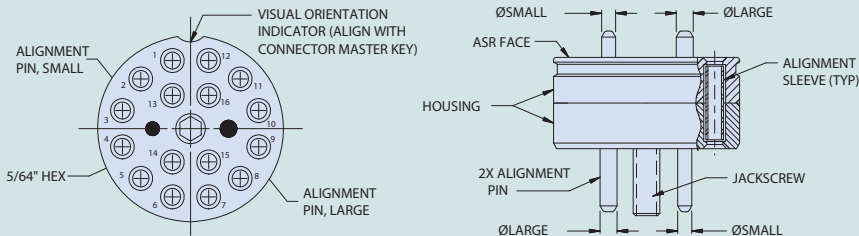


Signature HD fiber optic connection system How to order connectors

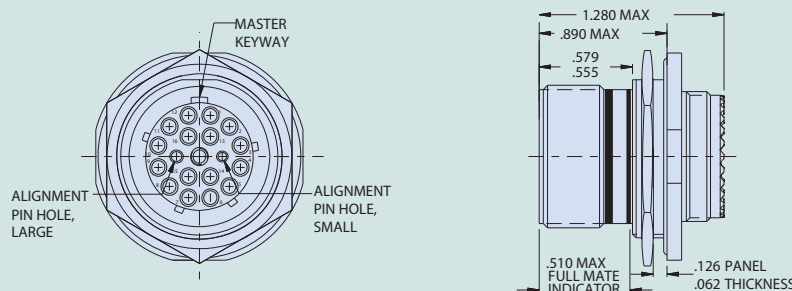
Part Number Development					
Sample Part Number	180-122	NF	06	-15-16	N C
Series / Basic Part No.	Glenair High Density Fiber Optic Connector				
Material/Finish	See Material/Finish Table				
Connector Style	06 = Plug with Alignment Sleeve Retainer				
Shell Size/Insert Arr.	11-4, 13-6, 15-16, 17-22, 19-30, 21-40, 23-52, 25-70				
Alternate Key Position*	A, B, C, D, E, N = Normal				
O-Ring Option	C = Conductive O-Ring Omit = Standard O-Ring				



Part Number Development			
Sample Part Number	180-122	ASR	-15-16
Series / Basic Part No.	Glenair High Density Fiber Optic Connector		
Connector Style	ASR = Alignment Sleeve Retainer		
Shell Size/Insert Arr.	11-4, 13-6, 15-16, 17-22, 19-30, 21-40, 23-52, 25-70		



Part Number Development					
Sample Part Number	180-122	NF	08	-15-16	N
Series / Basic Part No.	Glenair High Density Fiber Optic Connector				
Material/Finish	See Material/Finish Table				
Connector Style	08 = Jam Nut Receptacle				
Shell Size/Insert Arr.	11-4, 13-6, 15-16, 17-22, 19-30, 21-40, 23-52, 25-70				
Alternate Key Position*	A, B, C, D, E, N = Normal				

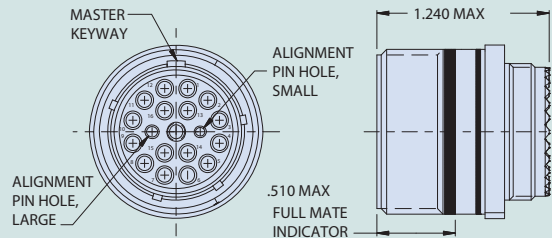


SIZE- AND WEIGHT- SAVING Glenair High Density (GHD)

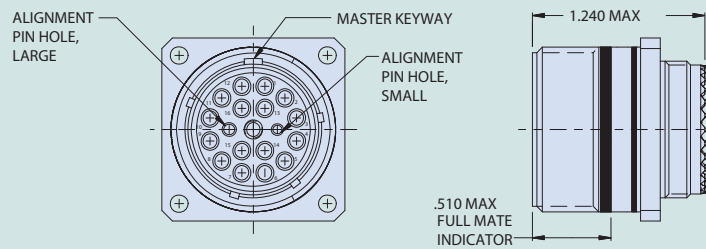


Signature HD fiber optic connection system How to order connectors

Part Number Development					
Sample Part Number	180-122	NF	05	-15-16	N
Series / Basic Part No.	Glenair High Density Fiber Optic Connector				
Material/Finish	See Material/Finish Table				
Connector Style	05 = In-Line Receptacle				
Shell Size/Insert Arr.	11-4, 13-6, 15-16, 17-22, 19-30, 21-40, 23-52, 25-70				
Alternate Key Position*	A, B, C, D, E, N = Normal				



Part Number Development					
Sample Part Number	180-122	NF	H7	-15-16	N
Series / Basic Part No.	Glenair High Density Fiber Optic Connector				
Material/Finish	See Material/Finish Table				
Connector Style	H7 = Wall Mount Receptacle with Round Holes				
Shell Size/Insert Arr.	11-4, 13-6, 15-16, 17-22, 19-30, 21-40, 23-52, 25-70				
Alternate Key Position*	A, B, C, D, E, N = Normal				



Part Number Development					
Sample Part Number	180-122	NF	S7	-15-16	N
Series / Basic Part No.	Glenair High Density Fiber Optic Connector				
Material/Finish	See Material/Finish Table				
Connector Style	S7 = Wall Mount Style with Slotted Holes				
Shell Size/Insert Arr.	11-4, 13-6, 15-16, 17-22, 19-30, 21-40, 23-52, 25-70				
Alternate Key Position*	A, B, C, D, E, N = Normal				

