



Glenair High Density (GHD) Fiber Optic Connection System



GHD plug connector with alignment sleeve retainer, and square flange receptacle

- Innovative #18 (1.25mm ferrule) front-release genderless termini accommodate 900 μ to 2.0mm jacketed fiber
- M85045/16 cable accommodation
- Single keying for APC polish available
- Better optical performance than D38999 with nearly double the density
- Precision alignment sleeve retainer with integrated guide pins
- Piston o-ring sealing—submersible design

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 designs

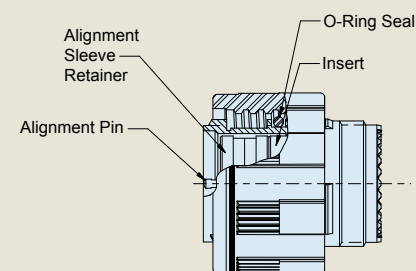


Fiber Optic Pin Termini Specifications			
Assembly Dash Number		Fiber Size	A Dia.
Keyed	Non-Keyed	Core/Cladding	[microns]
181-047-1255	181-056-1255	9/125 (Singlemode)	125.5
181-047-1260	181-056-1260	9/125, 50/125, 62.5/125	126.0
181-047-1270	181-056-1270	50/125, 62.5/125	127.0
181-047-1420	181-056-1420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

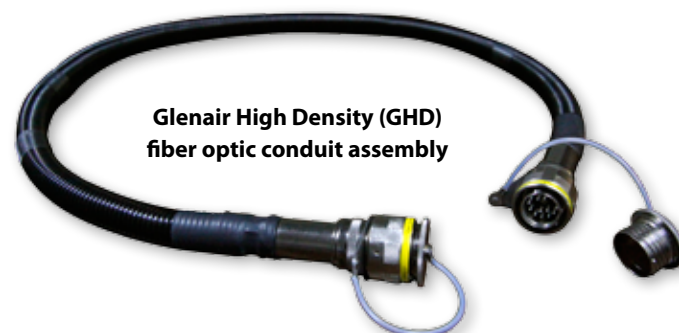
GHD Fiber Optic Part Number Reference	
Glenair Dwg. Number	Product Description
181-047	#18 Pin Terminus, Keyed for APC Polish
181-056	#18 Pin Terminus (non-keyed)
181-058	#18 Dummy Terminus
180-122 (05)	In-Line Receptacle Connector
180-122 (06)	Plug Connector with Alignment Sleeve Retainer
180-122 (08)	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 Cross-Reference: 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	6/8	N/A	N/A	N/A	18/31	N/A
GHD Cavity Count	4	6	16	20	30	40	52	70

Glenair High Density (GHD) Features

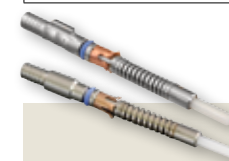
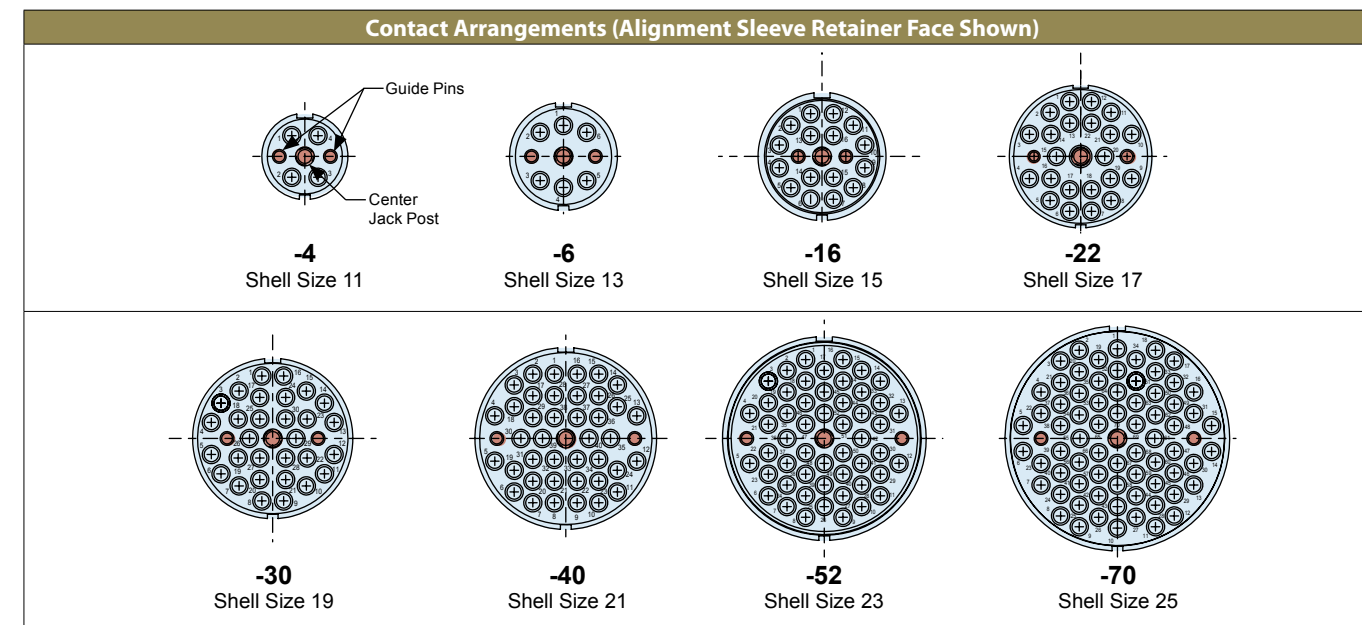


D38999 Series III Style Coupling
Five Alternate Key Positions: A, B, C, D, E (N = Normal)



Glenair High Density (GHD)
fiber optic conduit assembly

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Termini available in keyed and non-keyed styles

Glenair High Density (GHD) Fiber Optic Termini Dimensional Data

