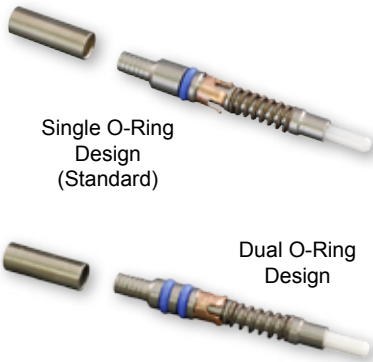
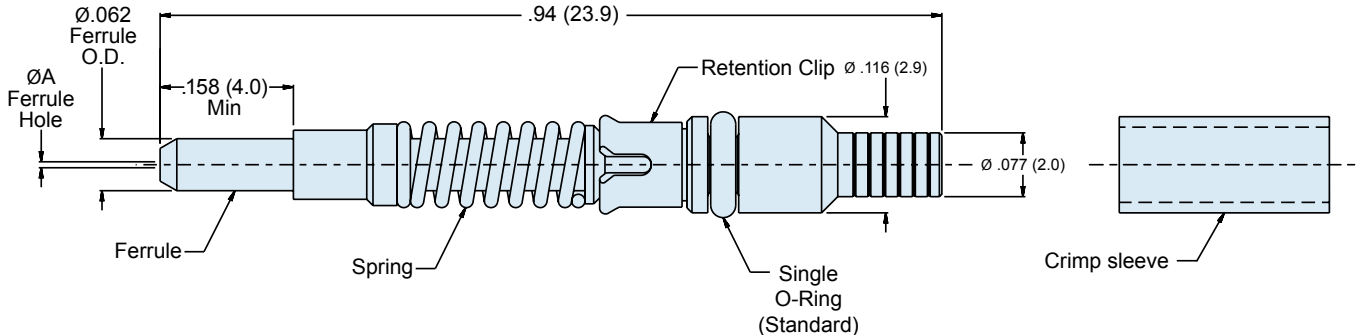


Size 16 COTS Front Release Fiber Optic Pin Terminus



The unique design of the Glenair 181-011 and 181-012 series fiber optic contact allows for rapid integration of optical media in a broad range of cylindrical and rectangular connector packages and systems. By placing the retention and environmental sealing components directly on the termini, Glenair is able to fabricate unique fiber optic connector shell packages without costly tooling and engineering. The secret is the integrated retention clip and environmental O-ring located directly on the contact. Glenair's in-house expertise and capacity for machining connector shells to the precise tolerances required in optical connection systems is the other half of the story. Finished connector systems perform at insertion-loss levels equivalent to other high-performance, tactical fiber optic systems such as MIL-DTL-38999 and MIL-PRF-28876.



Material and Finish

Ferrule: Zirconia Ceramic

Terminus Assembly: Stainless Steel/Passivate

Spring: Stainless Steel/Passivate

Retention Clip: Spring Alloy

O-Ring: Fluorosilicone

Crimp Sleeve: Brass Alloy/Nickel

Tools and Accessories/Assembly Notes

Crimp sleeve supplied with assembly. Spares may be ordered separately (see Table II).

See Glenair GAP-031 and GAP-031B for complete assembly instructions.

See 181-051 for dummy terminus.

181-012
COTS Fiber Optic Pin Terminus
Size 16 Front Release



Part Number	Fiber Size Core/Cladding/Coating (Microns)	Ø A (Microns)
181-012-125	9/125 (Single Mode)	125.5
181-012-126S	9/125 (Single Mode)	126.0
181-012-126	50/125, 62.5/125	126.0
181-012-142	100/140	142.0
181-012-156	62.5/125/155 (Polyimide)	156.0
181-012-173	100/140/172 (Polyimide)	173.0
181-012-175	100/140/172 (Polyimide)	175.0
181-012-231	200/225	231.0
181-012-236	200/230	236.0
181-012-286	200/280	286.0
181-012-448	400/440	448.0
For dual O-ring design, add D to end of part number development (e.g. 181-012-126 D)		



Terminus Tools and Accessories	
Part No.	Terminus Accessories
265-002	Crimp Sleeve, Ø 2.2mm Max Jacket