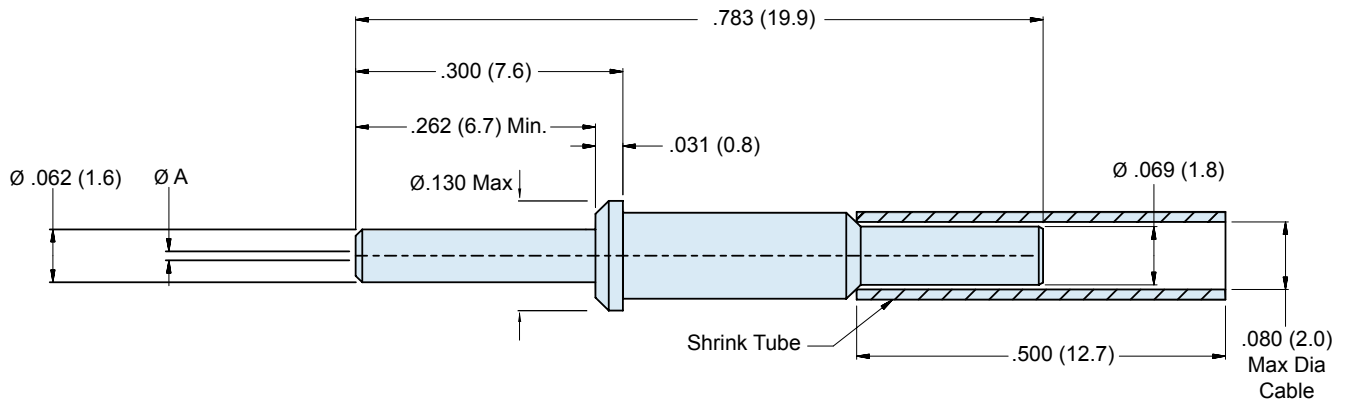


D38999
Series III

Ultra Low dB loss QPL'd Pin Terminus for MIL-DTL-38999



Glenair's unique alignment techniques maximize optical performance and provide reliable, repeatable interconnection of optical fibers. Ferrule design, critical to the performance of the termini, has traditionally relied on a machined stainless steel ferrule incorporating a precision micro drilled hole. Glenair's unique precision ceramic ferrules, with concentricity and diametric tolerances controlled within a micron (.00004 of an inch) meet the needs of high bandwidth and low allowable insertion loss applications. In fact, Glenair's ferrules are approximately 10 times more accurate than alternative designs, and have reduced insertion loss values from 1.5dB to less than .5dB (typical loss for Glenair termini is .3 dB).



Material and Finish

Ferrule: Zirconia Ceramic

Terminus Assembly: Stainless Steel/Passivate

Shrink Tube: Kynar

Assembly

Recommended insertion/Extraction tool: P/N: M81969/14-03 or equivalent

See Glenair assembly procedure GAP-015 for complete termination instructions.

M29504/4
181-002
Size 16 MIL-DTL-38999 Type Fiber Optic Pin Terminus



Part Number	Fiber Size Core/Cladding*	A Dia. (Microns)	Reference Only M29504/4-XXXX
181-002-125	9/125 (Single Mode)	125.5	M29504/4-4208
181-002-126S	9/125 (Single Mode)	126.0	M29504/4-4209
181-002-126	50/125 & 62.5/125	126.0	M29504/4-4210
181-002-127	50/125 & 62.5/125	127.0	M29504/4-4040
181-002-142	100/140	142.0	M29504/4-4043
181-002-144	100/140	144.0	N/A
181-002-145	100/140	145.0	M29504/4-4044
181-002-156	62.5/125/155 (Polyimide)	156.0	M29504/4-4211
181-002-157	62.5/125/155 (Polyimide)	157.0	M29504/4-4212
181-002-173	100/140/172 (Polyimide)	173.0	M29504/4-4087
181-002-175	100/140/172 (Polyimide)	175.0	M29504/4-4213
181-002-231	200/230	231.0	N/A
181-002-236	200/233	236.0	M29504/4-4214
181-002-286	200/280	286.0	M29504/4-4215
181-002-448	400/440	448.0	M29504/4-4216
181-002-533	486/500	533.0	N/A

Mouser Electronics

Authorized Distributor

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Glenair:

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