

181-009 • M29504/05 Style 2 fiber optic socket terminus, size 16

SuperNine® MIL-DTL-38999 Type



Single or multi mode. Ceramic ferrule. 0.3 dB loss. Style 2 Size 16 fiber optic socket terminus are IAW MIL-PRF-29504 and are compatible for use with MIL-DTL-38999 Series III size 16 contact arrangements. These snap-in, spring-loaded, butt-joint, rear-release terminus feature precision ceramic ferrules for accurate fiber alignment. Typical insertion loss 0.3 dB. Fits 9/125 single mode and 50/125 and 62.5/125 multi mode, and other fiber sizes supported by the mil spec. Popular sizes in-stock for immediate, same-day shipment.

MATERIAL AND FINISH

- Ferrule: Zirconia Ceramic
- Alignment Sleeve: Zirconia Ceramic (Standard) or Stainless Steel/Passivate.
- Terminus Assembly: Stainless Steel/Passivate
- Spacer, Spring, and Cover: Stainless Steel/Passivate

NOTES

- Alignment Sleeve and Protective Cover can also be ordered separately (See Accessories Table).
- See assembly procedure GAP-019 for complete termination instructions.
- Recommended Insertion/Extraction tool: P/N M81969/14-03 or equivalent

PART NUMBER	FIBER SIZE CORE/CLADDING/COATING (MICRONS)	Ø A (MICRONS)	REF. M29504/05-XXXX
181-009-125	9/125 (Singlemode)	125.5	M29504/05-4247
181-009-126S	9/125 (Singlemode)	126.0	M29504/05-4248
181-009-126	50/125 & 62.5/125	126.0	M29504/05-4249
181-009-127	50/125 & 62.5/125	127.0	M29504/05-4250
181-009-142	100/140	142.0	M29504/05-4253
181-009-145	100/140	145.0	M29504/05-4254
181-009-156	62.5/125/155 (Polyimide)	156.0	M29504/05-4251
181-009-157	62.5/125/155 (Polyimide)	157.0	M29504/05-4252
181-009-173	100/140/172 (Polyimide)	173.0	M29504/05-4255
181-009-175	100/140/172 (Polyimide)	175.0	M29504/05-4256
181-009-231	200/230	231.0	N/A
181-009-236	200/230	236.0	N/A
181-009-286	200/280	286.0	N/A
181-009-448	400/440	448.0	N/A

Consult factory for additional sizes and QPL status.

ACCESSORIES

Part Number	Description
181-001-S	Ceramic Alignment Sleeve (Standard)
181-001-K	Stainless Steel Alignment Sleeve
181-001-C	Protective cover

