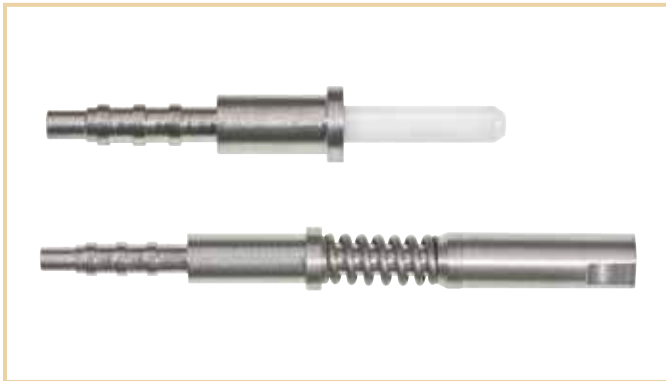




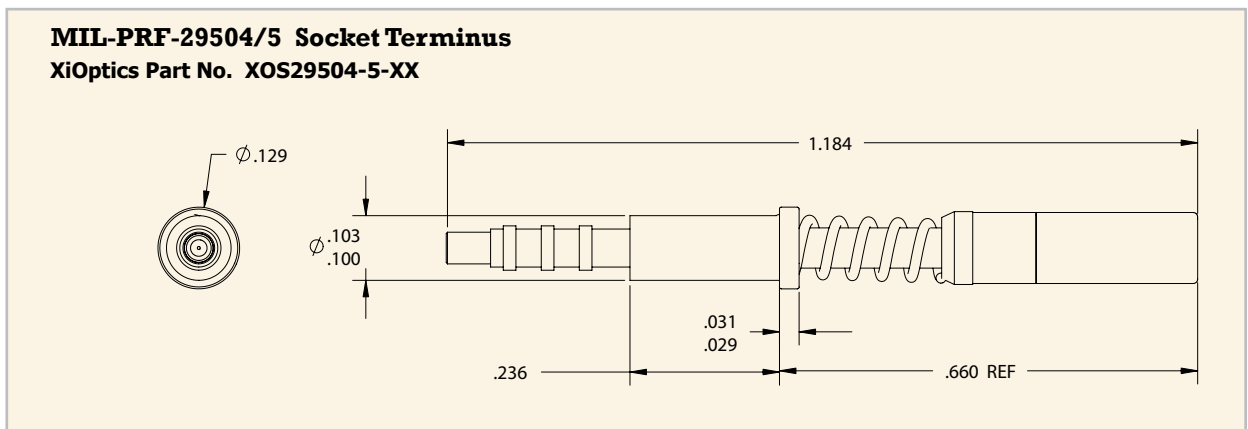
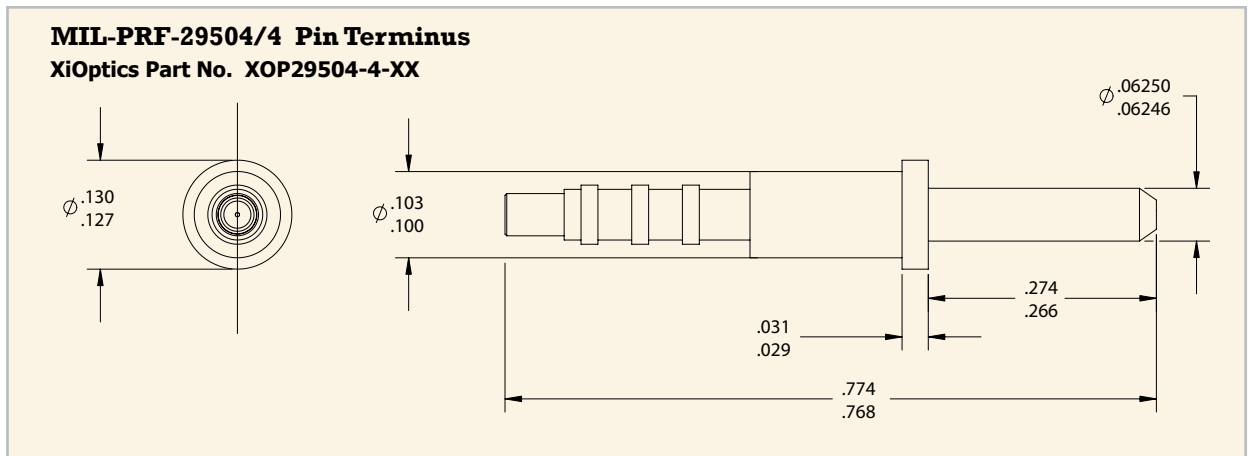
MIL-PRF-29504 Style Termini D38999 Connector Series I, III and IV



- Typical insertion loss of ≤ 0.5 dB Single-mode and ≤ 0.3 dB Multi-mode.
- Precision ceramic ferrules manufactured to less than 0.5 micron on all critical tolerances.
- Corrosion resistant steel metallic components.
- Standard configurations in-stock ready for same-day shipping.

High performance termini for use in D38999 Connector Series I, III and IV.

XiOptics termini designs enable exceptional optical performance under the most demanding operating conditions.



Dimensions in inches

MIL-PRF-29504 Style Termini

ORDERING INFORMATION for XiOptics Pin and Socket Termini:

XiOptics Part No.	Ferrule Diameter Microns	Glenair	Amphenol Fiber Systems International	Amphenol Aerospace
XOP29504-4-SM-2200-1250-C1	125			CF-198142-125
XOP29504-4-SM-2200-1255-C1	125.5	181-002-125		CF-198142-125A
XOP29504-4-SM-2200-1260-C1	126 (SM)	181-002-126S	M29K2000	CF-198142-126
XOP29504-4-MM-2200-1260-C1	126 (MM)	181-002-126	M29K1001	
XOP29504-4-MM-2200-1270-C1	127	181-002-127	M29K1000	CF-198142-010
XOP29504-4-MM-2200-1420-C1	142	181-002-142		CF-198142-017
XOP29504-4-MM-2200-1560-C1	156	181-002-156	M29K5000	
XOP29504-4-MM-2200-1570-C1	157	181-002-157	M29K5001	
XOP29504-4-MM-2200-1730-C1	173	181-002-173		CF-198142-029A
XOP29504-4-MM-2200-2360-C1	236	181-002-236		CF-198142-053
XOS29504-5-SM-2200-1250-C1	125			CF-198143-125
XOS29504-5-SM-2200-1255-C1	125.5	181-001-125		CF-198143-125A
XOS29504-5-SM-2200-1260-C1	126 (SM)	181-001-126S	M29L2000	CF-198143-126
XOS29504-5-MM-2200-1260-C1	126 (MM)	181-001-126	M29L1001	
XOS29504-5-MM-2200-1270-C1	127	181-001-127	M29L1000	CF-198143-010
XOS29504-5-MM-2200-1420-C1	142	181-001-142		CF-198143-017
XOS29504-5-MM-2200-1560-C1	156	181-001-156	M29L5000	
XOS29504-5-MM-2200-1570-C1	157	181-001-157	M29L5001	
XOS29504-5-MM-2200-1730-C1	173	181-001-173		CF-198143-029A
XOS29504-5-MM-2200-2360-C1	236	181-001-236		CF-198143-053

TEST SPECIFICATIONS:

Test	Test Method	MIL-PRF-29504 Requirement
Thermal Shock	TIA/EIA-455-71	-55°C to 165°C
Temperature Life	TIA/EIA-455-4	1000 hrs at 165°C
Sine Vibration	MIL-DTL-38999	60 G rms
Random Vibration at Temperature	MIL-DTL-38999	41.7 G rms at 125°C
Random Vibration Ambient	MIL-DTL-38999	49.5 G rms
Hammer Shock	MIL-S-901, Grade A Type B Class 1	Hammer Shock from 1, 3, 5 ft on all 3 axis
Mechanical Shock	TIA/EIA-455-14, Test Condition D	300 G (18 shocks)
Mating Durability	MIL-DTL-38999	500 Cycles

Materials & Finishes	
Ferrule	Zirconia Ceramic
Alignment Sleeve	Zirconia Ceramic
Compression Spring	Stainless Steel, Passivated
Terminus Components	Stainless Steel, Passivated

Accessories & Tools	
Description	Part No.
Ceramic Alignment Sleeve	XOSS0002
Alignment Sleeve Hood	XOHB0002
Insertion/Removal Tool	M81969/14-03 (Plastic)
Insertion Tool	M81969/8-07 (Metal)
Removal Tool	M81969/8-08 (Metal)



Harsh Environment Optical Solutions

XiOptics, LLC
949-302-9035
www.xioptics.com

Contact us:
techsupport@xioptics.com
sales@xioptics.com