



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

XiOptics “Product Leadership Through Innovation”

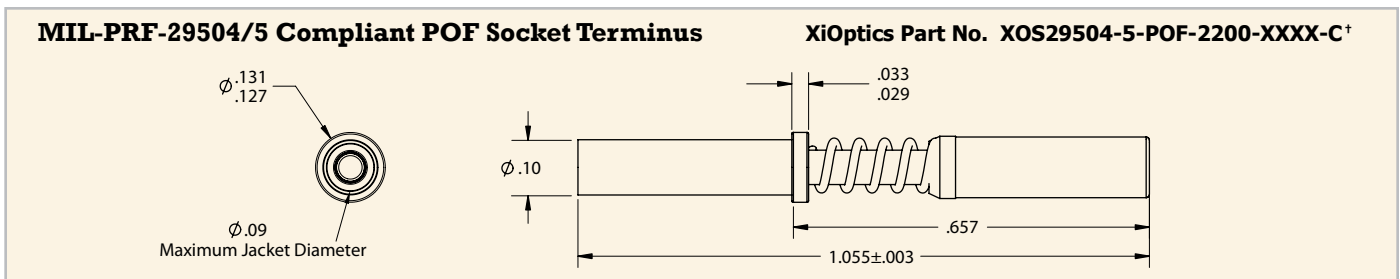
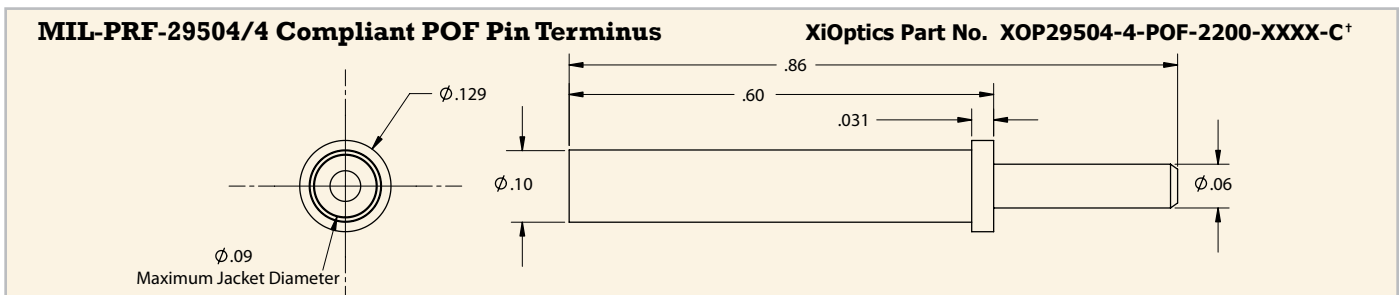


XiOptics is the leading supplier of solutions enabling the deployment of large optical waveguide plastic optical fiber (POF) into harsh environments. XiOptics proprietary “Unibody M29504” line of optical terminus products is the lowest cost solution for interconnecting POF media with any industry standard MIL-C-38999 Connector Series I, III, IV circular or ARINC 600/404 rectangular connectors.

- XiOptics “Unibody” products utilize a Type 2 bonding cup solution for easier and mess free fiber retention.
- The bonding cup is designed to allow simultaneous capture of the optical media, a strength member and a large diameter protective jacket.
- XiOptics proprietary “Unibody” construction provides a pathway to reliable, low cost POF media termination.
- All stainless steel body construction eliminates the possibility of plating flakes that can cause unstable interconnections.
- Tapered entrance and exit sections ease adhesive application and fiber insertion.
- Extended bonding cup engages connector rear seal, forming a precision seal that is not dependent on plastic optical fiber jacketing.
- Suitable for all plastic fiber up to 1.1mm coated core. Fiber bore diameters available across 500 to 1100 micron range.

Specifications: XiOptics POF termini are fully compliant to MIL-PRF-29504/4 and /5 geometry for use in MIL-C-38999 Connector Series I, III and IV and MIL-PRF-29504 /6 and /7 for use in ARINC 600/404 connectors.

Optical Performance: Optical performance in POF applications is highly dependent upon fiber processing techniques and optical media or wavelength applications. XiOptics is typically measuring less than .5 dB at 650 nm.



Dimensions in inches.

[†] XXXX = Ferrule ID specified by the customer with standard machining tolerances.

Materials & Finishes	
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)

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

techsupport@xioptics.com
sales@xioptics.com



MIL-PRF-29504 Compliant POF Termini ARINC 600/ARINC 404 (MIL-C-81659)

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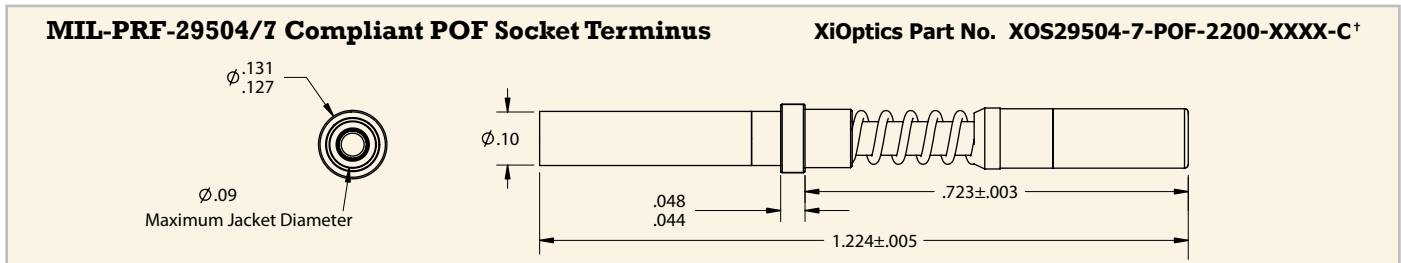
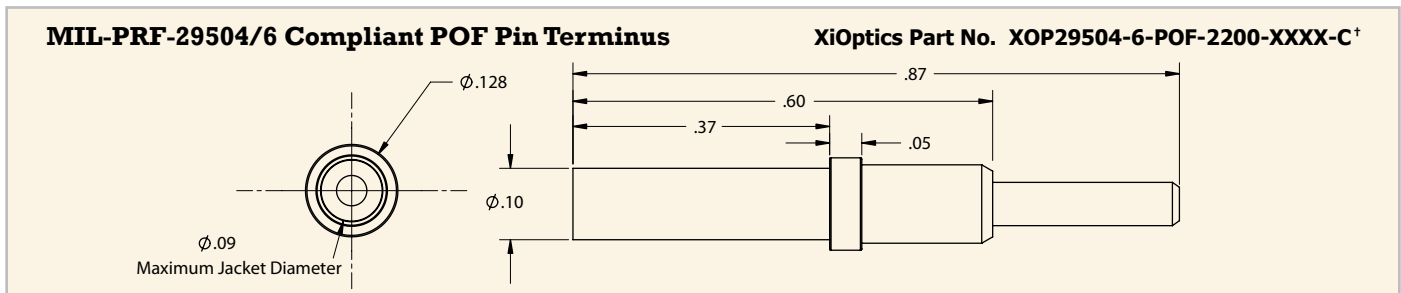


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