

# Amphenol Aerospace Operations

## Fiber Optic Products

### MIL-PRF-29504/4

Fiber Optic Pin Terminus Size 16

For use in Multi-Channel Fiber Optic Cylindrical Connectors  
(Mil-DTL-38999 Series III)



Amphenol® multi-channel fiber optic connectors feature a precision optic interconnect system within the high performance MIL-DTL-38999 Series III connector. The fiber optic terminations offer low loss characteristics, with high reliability and repeatability. Amphenol size 16 termini have been designed to operate in the size 16 contact cavities of MIL-DTL-38999 Series III connectors and are available from 2 thru 37 channels.

### Features and Performance Benefits:

- Precision ceramic ferrules which precisely positions the fiber within the terminus
- Stainless steel terminus body
- Laser welded components for stronger construction
- Designed for use in size 16 cavities of the D38999 Series III connector

| Amphenol Part Number | Fiber size Core/Cladding | A Dia. Ref (Microns) | Ferrule Hole Tolerance | Reference Only M29504/4-XXXX |
|----------------------|--------------------------|----------------------|------------------------|------------------------------|
| CF-198142-25A        | 9/125 (Singlemode)       | 125.5                | +1,-0                  | M29504/4-4208*               |
| CF-198142-126        | 9/125 (Singlemode)       | 126                  | +1,-0                  | M29504/4-4209*               |
| CF-198142-009        | 50/125 & 62.5/125        | 126                  | +2,-0                  | M29504/4-4210*               |
| CF-198142-010        | 50/125 & 62.5/125        | 127                  | +2,-0                  | M29504/4-4040*               |
| CF-198142-017        | 100/140                  | 145                  | +3,-0                  | M29504/4-4044*               |
| CF-198142-29A        | 100/140/172 (Polyimide)  | 173                  | +1,-0                  | M29504/4-4293*               |
| CF-198142-053        | 200/230                  | 236                  | +4,-0                  | M29504/4-4214*               |

\* Consult Factory for qualification status

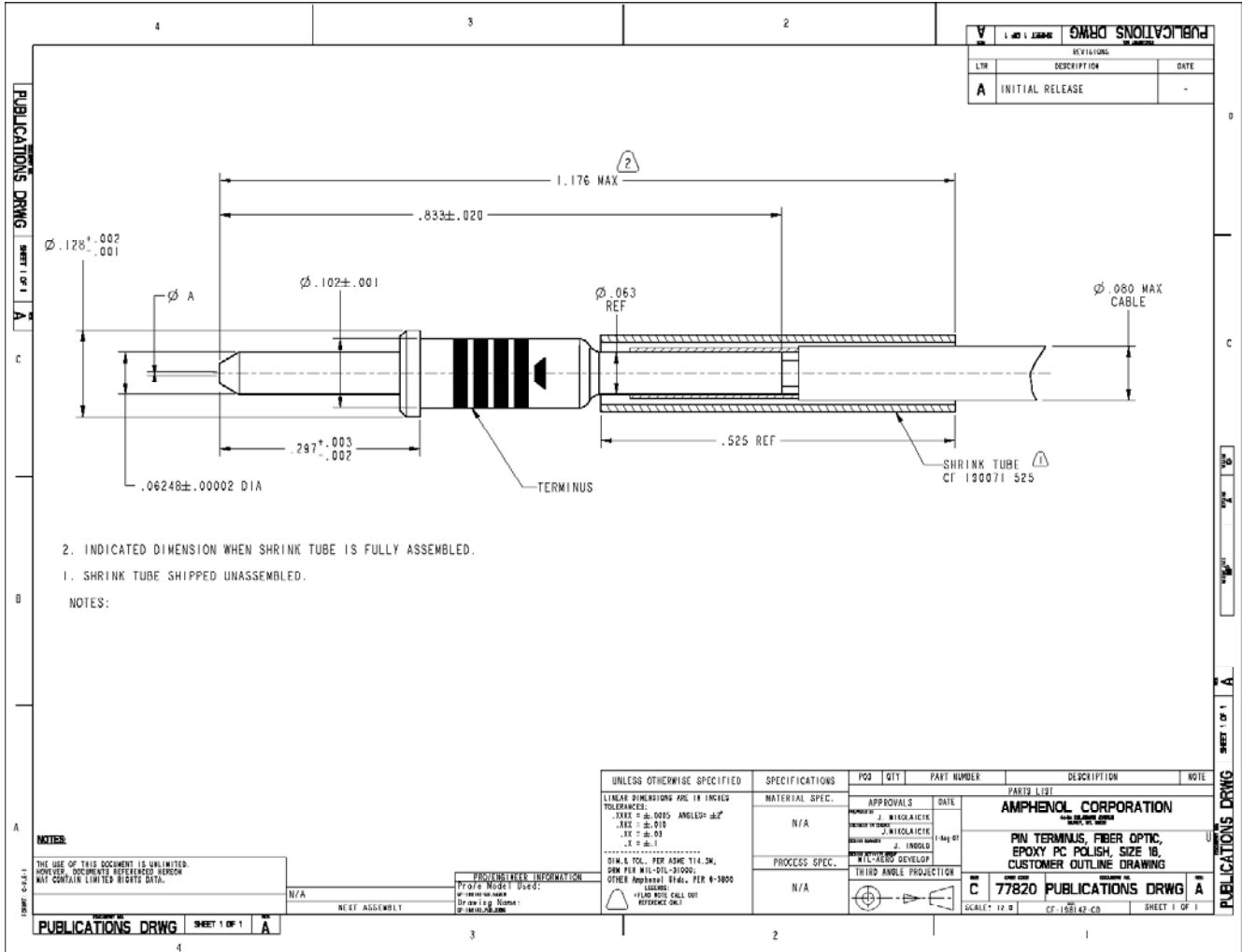
Additional sizes available upon request: consult Amphenol, Sidney, NY for availability.

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## CF-198142-XXX



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