



181-053

## Size 16 Fiber Optic Jewel Socket Terminus MIL-DTL-38999 Series III Type

D38999  
Series III

B

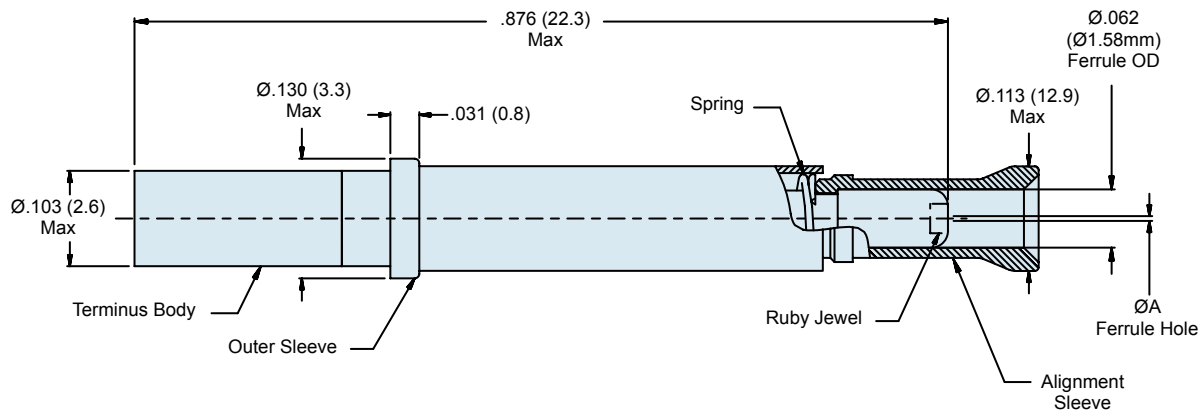
### Fiber optic jewel socket terminus for MIL-DTL-38999 type connectors



| Part Number | Ferrule Hole<br>Ø A (Microns) | Typical Fiber Size<br>Core/Cladding/Coating<br>(Microns) |
|-------------|-------------------------------|----------------------------------------------------------|
| 181-053-125 | 125.0                         | 9/125 (Singlemode)                                       |
| 181-053-127 | 127.0                         | 50/125, 62.5/125                                         |
| 181-053-142 | 142.0                         | 100/140                                                  |
| 181-053-157 | 157.0                         | 62.5/125/155                                             |
| 181-053-175 | 175.0                         | 100/140/172                                              |
| 181-053-236 | 236.0                         | 200/230                                                  |

Add L to the end of part number development to supply less epoxy preforms e.g. 181-053-127L. Omit to include preforms.

| Terminus Accessories |                                                |
|----------------------|------------------------------------------------|
| Part Number          | Terminus Accessory                             |
| 189-070-6            | Reducing Sleeve<br>Ø1.90mm Max<br>Cable Jacket |
| 189-075              | Alignment Sleeve                               |
| 182-031              | Alignment Sleeve<br>Installation Tool          |
| 182-032              | Alignment Sleeve<br>Extraction Tool            |
| 181-053-E            | Epoxy Preforms                                 |



#### Material and Finish

Terminus Body: Stainless Steel/Passivate  
 Jewel/Ruby: Synthetic Ruby or Sapphire  
 Alignment Sleeve: Stainless Steel/Passivate  
 Outer Sleeve: Stainless Steel/Passivate  
 Spring: Stainless Steel/Passivate.

#### Notes

Alignment Sleeve, Outer Sleeve, and Spring packaged loose with assembly.  
 Recommended insertion/extraction tool: M81969/14-03 or equivalent.