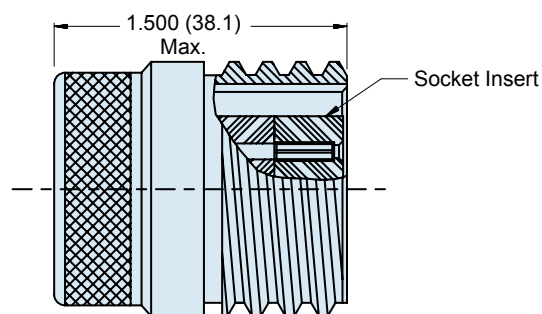
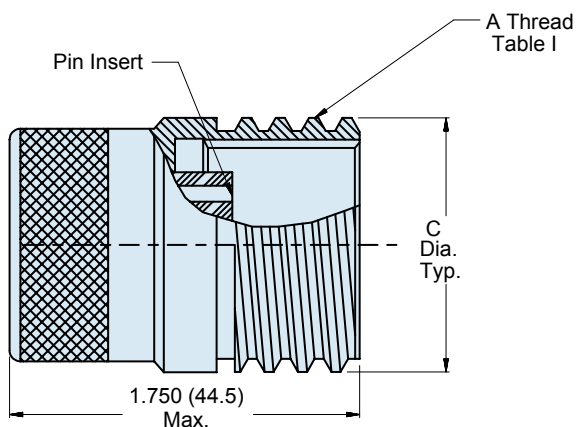
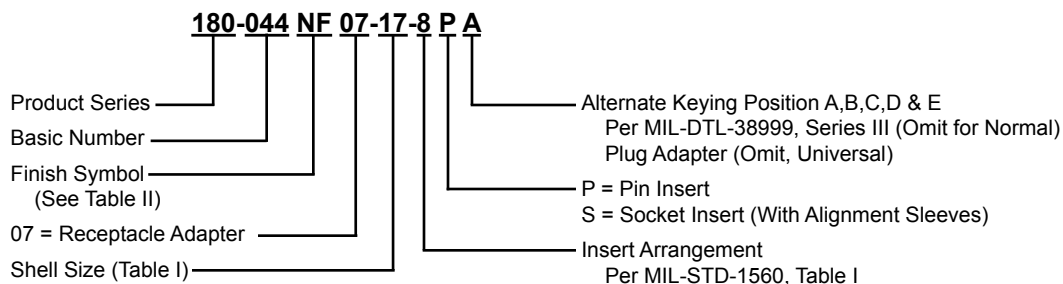


# 180-044 (07 Receptacle) Fiber Optic Test Adapter MIL-DTL-38999 Series III



## 07 RECEPTACLE ASSEMBLY U.S. PATENT NO. 5,960,137

### APPLICATION NOTES

1. Assembly identified with manufacturer's name and P/N, Space Permitting.
2. For Fiber Optic Test Probe Terminus  
See Glenair Drawing 181-006
3. Material/ Finish:
  - Barrel/ Shell- Al Alloy/ See Table II
  - Insert, Coupling Nut- Hi- Grade Engineering Thermoplastic/ N.A.
  - Alignment Sleeve- Zirconia Ceramic/ N.A.
  - Retaining Ring- Stainless Steel/ N.A.
  - Retaining Clips- Beryllium Copper/ N.A.
  - Lock Cap, Lock Nut- Al Alloy/ Black Anodize.
4. Metric dimensions (mm) are indicated in parentheses.

**180-044 (07 Receptacle)  
Fiber Optic Test Adapter  
MIL-DTL-38999 Series III**



**TABLE I: SHELL SIZE AND INSERT ARRANGEMENTS**

| Shell Size & Insert<br>Arrangement<br>Dash No. | Shell<br>Size<br>Code Ref. | A Thread<br>0.1P-0.3L-TS-2 | B Dia<br>Max | C Dia<br>Max |
|------------------------------------------------|----------------------------|----------------------------|--------------|--------------|
| 11-2                                           | B                          | .750 (19.1)                | .964 (24.5)  | .750 (19.1)  |
| 13-4                                           | C                          | .875 (22.2)                | 1.141 (29.0) | .875 (22.2)  |
| 15-5                                           | D                          | 1.000 (25.4)               | 1.266 (32.2) | 1.000 (25.4) |
| 15-97                                          | D                          | 1.000 (25.4)               | 1.266 (32.2) | 1.000 (25.4) |
| 17-8                                           | E                          | 1.187 (30.1)               | 1.391 (35.3) | 1.187 (30.1) |
| 19-11                                          | F                          | 1.250 (31.8)               | 1.500 (38.8) | 1.250 (31.8) |
| 21-16                                          | G                          | 1.375 (34.9)               | 1.625 (41.3) | 1.375 (34.9) |
| 23-21                                          | H                          | 1.500 (38.1)               | 1.750 (44.5) | 1.500 (38.1) |
| 23-99                                          | H                          | 1.500 (38.1)               | 1.750 (44.5) | 1.500 (38.1) |
| 25-20                                          | J                          | 1.625 (41.3)               | 1.875 (47.6) | 1.625 (41.3) |
| 25-29                                          | J                          | 1.625 (41.3)               | 1.875 (47.6) | 1.625 (41.3) |

**TABLE II: FINISH**

| SYM       | MATERIAL | FINISH                                                             |
|-----------|----------|--------------------------------------------------------------------|
| <b>B</b>  | Aluminum | Cadmium Plate/Olive Drab                                           |
| <b>M</b>  | Aluminum | Electroless Nickel                                                 |
| <b>NF</b> | Aluminum | Cadmium/Olive Drab over<br>Electroless Nickel (500-Hr. Salt Spray) |
| <b>J</b>  | Aluminum | Iridite, Gold over Cadmium Plate<br>over Electroless Nickel        |

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