



**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 Arrangement Dash No.	Shell Size Code Ref.	A Thread 0.1P-0.3L-TS-2	B Dia Max	C Dia 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 Electroless Nickel (500-Hr. Salt Spray)
<b>J</b>	Aluminum	Iridite, Gold over Cadmium Plate over Electroless Nickel