



# AS85049/105

## Composite 90° RFI/EMI Shield-Sock Adapter with Detented or Non-Detented Self-Locking Coupling Nut

## CONNECTOR DESIGNATOR:

**H** MIL-DTL-38999 Series III and IV  
EN3645

Product Series and  
Basic Part Number

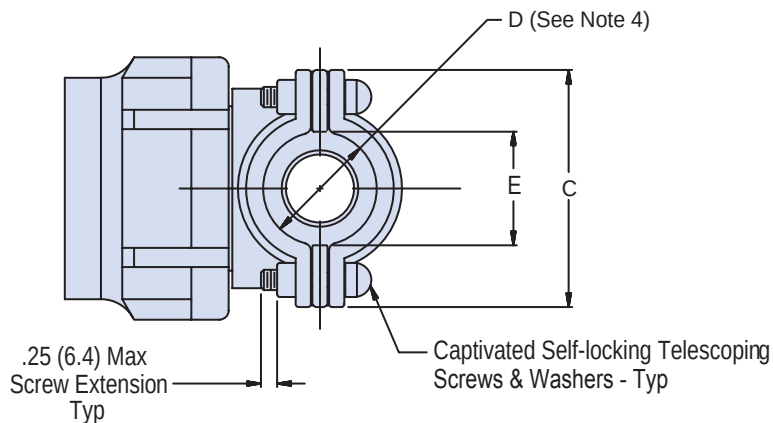
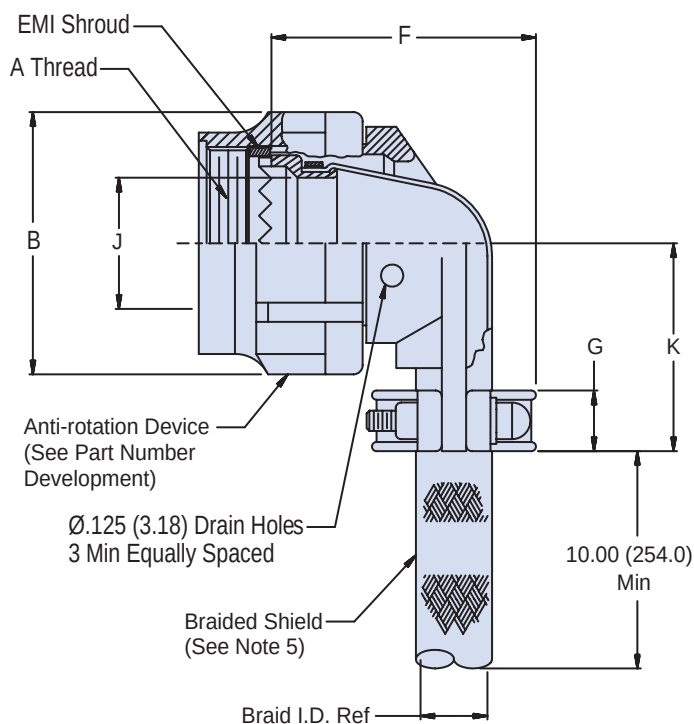
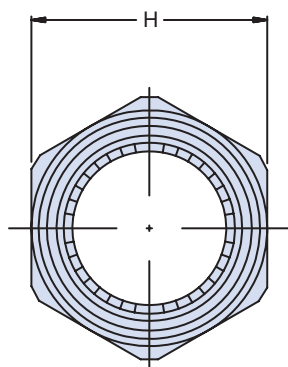
Shell Size  
(Table I)

**M85049/105**

**- 11**

**N**

*N* = Non-Detented Self-Locking  
(Omit for Detented Self-Locking)  
(See Note 6)



Dimensions in inches (millimeters) and are subject to change without notice.

**AS85049/105**  
**Composite 90° RFI/EMI Shield-Sock Adapter**  
**with Detented or Non-Detented Self-Locking Coupling Nut**



AS85049

B

**TABLE I: Shell Size and Dimensions**

| Shell Size | A Thread Class 2B | B Max         | C Max        | D $\pm .031$ (0.79)<br>See Note 4 | E Min        | F Max         | G $\pm .030$ (0.76) | H Hex                     | J Min         | K Max        | Braid I.D. Ref | Screw Size |
|------------|-------------------|---------------|--------------|-----------------------------------|--------------|---------------|---------------------|---------------------------|---------------|--------------|----------------|------------|
| 09         | M12 X 1 - 6H      | .858 (21.79)  | .98 (24.89)  | .265 (6.73)                       | .229 (5.82)  | 1.128 (28.65) | .375 (9.53)         | .750/.736 (19.05/18.69)   | .264 (6.71)   | .94 (23.88)  | .375 (9.53)    | 4-40       |
| 11         | M15 X 1 - 6H      | .984 (24.99)  | 1.05 (26.67) | .310 (7.87)                       | .274 (6.96)  | 1.168 (29.67) | .375 (9.53)         | .875/.860 (22.23/21.84)   | .390 (9.91)   | 1.00 (25.40) | .375 (9.53)    | 4-40       |
| 13         | M18 X 1 - 6H      | 1.157 (29.39) | 1.20 (30.48) | .390 (9.91)                       | .354 (8.99)  | 1.248 (31.70) | .406 (10.31)        | 1.000/.980 (25.40/24.89)  | .504 (12.80)  | 1.12 (28.45) | .500 (12.70)   | 6-32       |
| 15         | M22 X 1 - 6H      | 1.280 (32.51) | 1.30 (33.02) | .506 (12.85)                      | .470 (11.94) | 1.368 (34.75) | .406 (10.31)        | 1.125/1.100 (31.75/31.09) | .630 (16.00)  | 1.19 (30.23) | .500 (12.70)   | 6-32       |
| 17         | M25 X 1 - 6H      | 1.406 (35.71) | 1.44 (36.58) | .591 (15.01)                      | .555 (14.10) | 1.448 (36.78) | .406 (10.31)        | 1.250/1.224 (31.75/31.09) | .756 (19.20)  | 1.37 (34.80) | .781 (19.84)   | 6-32       |
| 19         | M28 X 1 - 6H      | 1.516 (38.51) | 1.56 (39.62) | .661 (16.79)                      | .625 (15.88) | 1.528 (38.81) | .406 (10.31)        | 1.375/1.348 (34.93/34.24) | .843 (21.41)  | 1.44 (36.58) | .781 (19.84)   | 6-32       |
| 21         | M31 X 1 - 6H      | 1.642 (41.71) | 1.69 (42.93) | .744 (18.90)                      | .708 (17.98) | 1.648 (41.86) | .406 (10.31)        | 1.500/1.469 (38.10/37.31) | .969 (24.61)  | 1.56 (39.62) | 1.000 (25.40)  | 6-32       |
| 23         | M34 X 1 - 6H      | 1.768 (44.91) | 1.77 (44.96) | .826 (20.98)                      | .790 (20.07) | 1.688 (42.88) | .406 (10.31)        | 1.625/1.581 (41.28/40.16) | 1.091 (27.71) | 1.69 (42.93) | 1.000 (25.40)  | 6-32       |
| 25         | M37 X 1 - 6H      | 1.890 (48.01) | 1.89 (48.01) | .896 (22.76)                      | .860 (21.84) | 1.758 (44.65) | .406 (10.31)        | 1.750/1.690 (44.45/42.93) | 1.217 (30.91) | 1.81 (45.97) | 1.250 (31.75)  | 6-32       |

**Table II (Manufacturer's Option)**

| Material        | Finish                 |
|-----------------|------------------------|
| Aluminum Alloy  | Iridite per AMS-C-5541 |
| Stainless Steel | Passivated             |
| Copper          | Tin Plate              |

**APPLICATION NOTES**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>For complete dimensions see the applicable Military Specification.</li> <li>Metric dimensions (mm) are in parentheses.</li> <li>Glenair 600 Series backshell assembly tools are recommended for assembly and installation.</li> <li>Cable entry is measured with saddle bars closed and bottomed on clamp ears.</li> <li>For shield/splice termination use AS85049/93 split support ring.</li> </ol> | <ol style="list-style-type: none"> <li>Detented self-locking has a positive audible detented coupling.</li> <li>Material/Finish:<br/>                     Clamp body, coupling nut, saddles - High grade engineering thermoplastic/N.A.<br/>                     Clamp hardware - CRES/passivated, silver plated, mfg option<br/>                     Anti-rotation device - Corrosion resistant material<br/>                     Braid - Copper/nickel plated<br/>                     Interface ring and shroud - Brass/nickel plated<br/>                     Braid retention device - See Table II                 </li> </ol> |
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