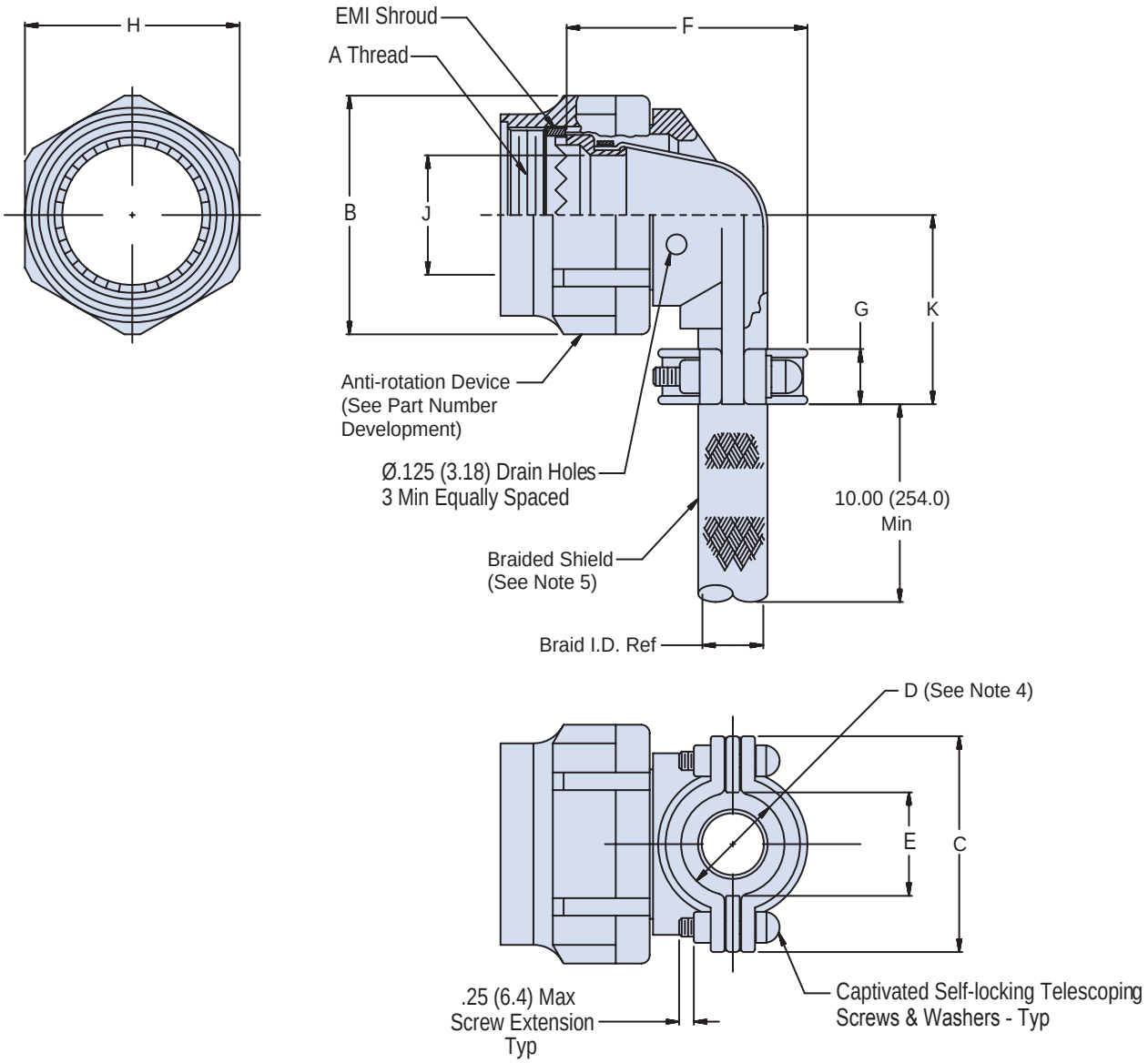
# AS85049/105
## Composite 90° RFI/EMI Shield-Sock Adapter
### with Detented or Non-Detented Self-Locking Coupling Nut



| CONNECTOR DESIGNATOR: | |
|---|---|
| H | MIL-DTL-38999 Series III and IV<br>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.

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**TABLE I: Shell Size and Dimensions**

| Shell Size | A Thread Class 2B | B Max | C Max | D ± .031 (0.79) See Note 4 | E Min | F Max | G ± .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

1. For complete dimensions see the applicable Military Specification.
2. Metric dimensions (mm) are in parentheses.
3. Glenair 600 Series backshell assembly tools are recommended for assembly and installation.
4. Cable entry is measured with saddle bars closed and bottomed on clamp ears.
5. For shield/splice termination use AS85049/93 split support ring.
6. Detented self-locking has a positive audible detented coupling.
7. Material/Finish:
   Clamp body, coupling nut, saddles - High grade engineering thermoplastic/N.A.
   Clamp hardware - CRES/passivated, silver plated, mfg option
   Anti-rotation device - Corrosion resistant material
   Braid - Copper/nickel plated
   Interface ring and shroud - Brass/nickel plated
   Braid retention device - See Table II

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