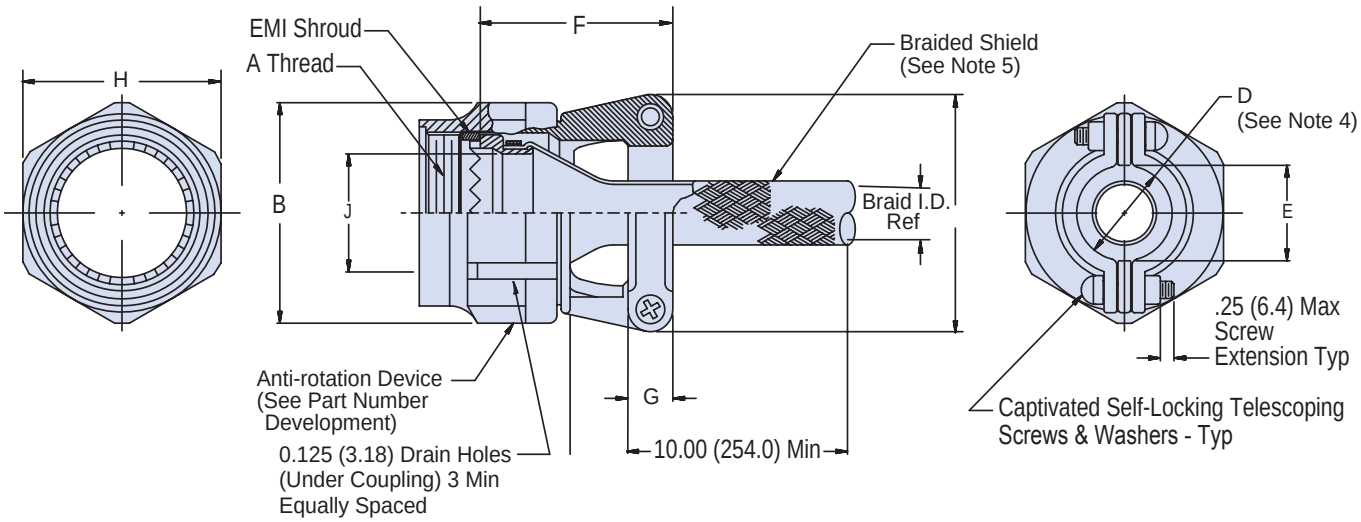
AS85049/103
Composite Straight RFI/EMI Shield-Sock Adapter
with Detented or Non-Detented Self-Locking Coupling Nut

CONNECTOR DESIGNATOR:	
H	MIL-DTL-38999 Series III and IV EN3645

Product Series and Basic Part Number | **Shell Size** *(Table I)*

M85049/103 - 11 N

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



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

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	Braid I.D. Ref	Screw Size
09	M12 X 1 - 6H	.858 (21.79)	.98 (24.89)	.265 (6.73)	.229 (5.82)	.939 (23.85)	.375 (9.53)	.750/.736 (19.05/18.69)	.264 (6.71)	.375 (9.53)	4-40
11	M15 X 1 - 6H	.984 (24.99)	1.05 (26.67)	.310 (7.87)	.274 (6.96)	1.059 (26.90)	.375 (9.53)	.875/.860 (22.23/21.84)	.390 (9.91)	.375 (9.53)	4-40
13	M18 X 1 - 6H	1.157 (29.39)	1.20 (30.48)	.390 (9.91)	.354 (8.99)	1.199 (30.45)	.406 (10.31)	1.000/.980 (25.40/24.89)	.504 (12.80)	.500 (12.70)	6-32
15	M22 X 1 - 6H	1.280 (32.51)	1.30 (33.02)	.506 (12.85)	.470 (11.94)	1.199 (30.45)	.406 (10.31)	1.125/1.100 (31.75/31.09)	.630 (16.00)	.500 (12.70)	6-32
17	M25 X 1 - 6H	1.406 (35.71)	1.44 (36.58)	.591 (15.01)	.555 (14.10)	1.329 (33.76)	.406 (10.31)	1.250/1.224 (31.75/31.09)	.756 (19.20	.781 (19.84)	6-32
19	M28 X 1 - 6H	1.516 (38.51)	1.56 (39.62)	.661 (16.79)	.625 (15.88)	1.509 (38.33)	.406 (10.31)	1.375/1.348 (34.93/34.24)	.843 (21.41)	.781 (19.84)	6-32
21	M31 X 1 - 6H	1.642 (41.71)	1.69 (42.93)	.744 (18.90)	.708 (17.98)	1.609 (40.87)	.406 (10.31)	1.500/1.469 (38.10/37.31)	.969 (24.61)	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)	1.759 (44.68)	.406 (10.31)	1.625/1.581 (41.28/40.16)	1.091 (27.71)	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)	1.859 (47.22)	.406 (10.31)	1.750/1.690 (44.45/42.93)	1.217 (30.91)	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

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