AS85049/114
90° RFI/EMI Shield-Sock Shrink Boot Adapter with Detented or Non-Detented Self-Locking or Non Self-Locking Coupling Nut

CONNECTOR DESIGNATOR:	
F	MIL-DTL-38999 Series I & II 40M38277, PAN 6433-1 PATT 614, PATT 616 NFC93422 Series HE308 & HE309

Product Series and Specification Sheet		Shield Finish (Table IV)	Entry Size (Table II)	Drain Hole (Omit for None)	
M85049/114	S	10	T	W	03 - 6	D

- S = Detented, Self-Locking
- – = Non-Self-Locking (Use Dash)
- N = Non-Detented, Self-Locking

Shell Size (Table I)

Finish (Table III)

Braid Length 1 Inch Increments, 6" Min., 18" Max

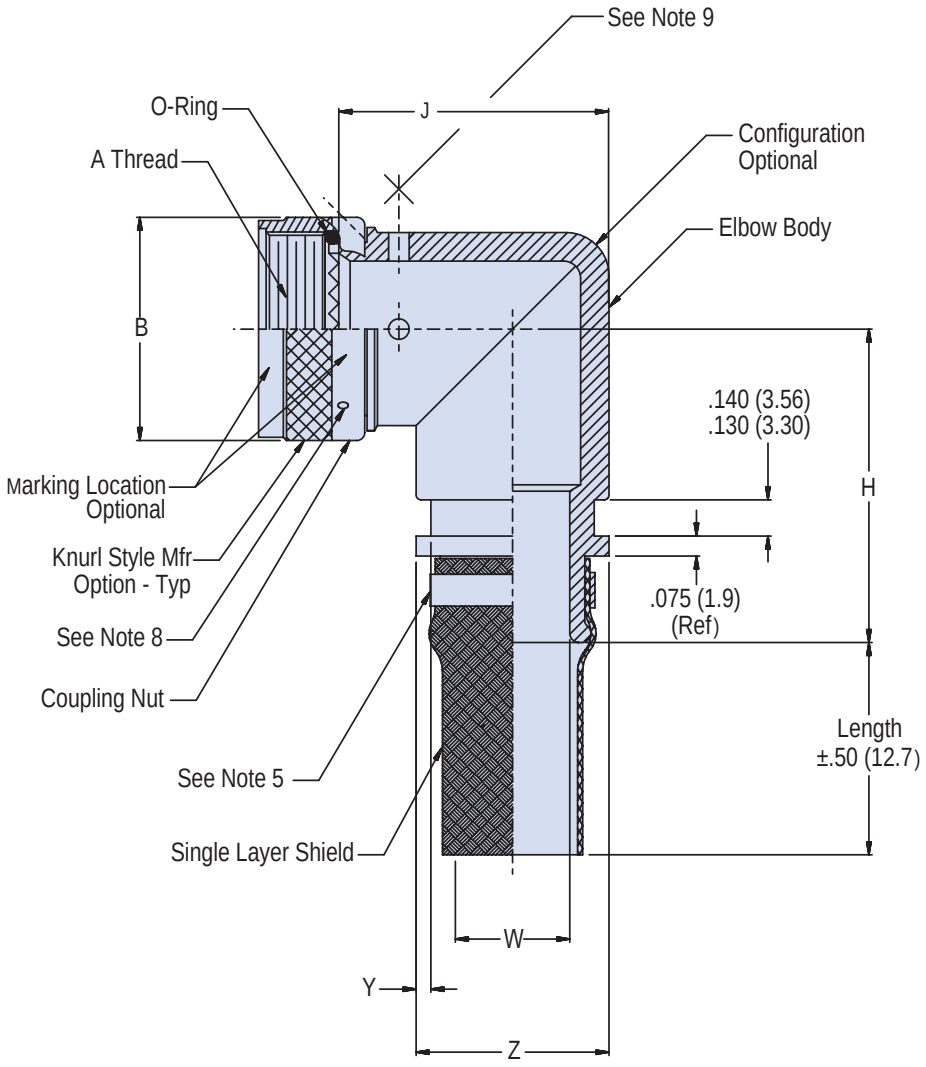

TABLE II: Entry Size and Dimensions

Entry Size	W ± .020 (.51)	Y +.008 (.20) -.000 (.00)	Z Max
01	.250 (6.4)	.044 (1.12)	.560 (14.2)
02	.312 (7.9)	.044 (1.12)	.630 (16.0)
03	.375 (9.5)	.044 (1.12)	.690 (17.5)
04	.438 (11.1)	.044 (1.12)	.750 (19.1)
05	.500 (12.7)	.044 (1.12)	.820 (20.8)
06	.562 (14.3)	.044 (1.12)	.890 (22.6)
07	.625 (15.9)	.044 (1.12)	.950 (24.1)
08	.688 (17.5)	.044 (1.12)	1.020 (25.9)
09	.750 (19.1)	.069 (1.75)	1.120 (28.4)
10	.812 (20.6)	.069 (1.75)	1.200 (30.5)
11	.875 (22.2)	.069 (1.75)	1.270 (32.3)
12	.938 (23.8)	.069 (1.75)	1.260 (32.0)
13	1.000 (25.4)	.069 (1.75)	1.370 (34.8)
14	1.125 (28.6)	.069 (1.75)	1.470 (37.3)

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

© 2013 Glenair, Inc.

U.S. CAGE Code 06324

Printed in U.S.A.

AS85049/114
90° RFI/EMI Shield-Sock Shrink Boot Adapter
with Detented or Non-Detented Self-Locking or Non Self-Locking Coupling Nut

TABLE I: Shell Size, Entry Size, Thread and Dimensions							
Accessory Shell Size Code	Series I Shell Size (Ref)	Series II Shell Size (Ref)	A Thread Class 2B	B Max Diameter	H Max	J Max	Allowable Cable Entry Size
08	9	8	7/16-28 UNEF	.858 (21.79)	1.730 (43.94)	1.070 (27.18)	01
10	11	10	9/16-24 UNEF	.984 (24.99)	1.850 (46.99)	1.190 (30.23)	01-03
12	13	12	11/16-24 UNEF	1.157 (29.39)	1.870 (47.50)	1.320 (33.53)	01-05
14	15	14	13/16-20 UNEF	1.279 (32.49)	1.940 (49.28)	1.440 (36.58)	03-07
16	17	16	15/16-20 UNEF	1.406 (35.71)	2.030 (51.56)	1.570 (39.88)	05-09
18	19	18	1 1/16-18 UNEF	1.516 (38.51)	2.200 (55.88)	1.750 (44.45)	06-10
20	21	20	1 3/16-18 UNEF	1.642 (41.71)	2.200 (55.88)	1.750 (44.45)	08-12
22	23	22	1 5/16-18 UNEF	1.768 (44.91)	2.310 (58.67)	2.000 (50.80)	09-13
24	25	24	1 7/16-18 UNEF	1.889 (47.98)	2.310 (58.67)	2.000 (50.80)	10-14

Table III: Symbol and Finish	
Symbol	Finish
N	Electroless Nickel
W	Cadmium/Olive Drab over Electroless Nickel (1000 Hour Salt Spray)
X	Nickel Flurocarbon Polymer
Z	Zinc Nickel

Table IV: Symbol and Finish	
Symbol	Finish
K	Nickel Plate
T	Tin Plate

Table V: (Manufacturer's Option)	
Material	Finish
Copper	Tin Plate
Stainless Steel	Passivated

APPLICATION NOTES

1. Metric equivalents are given for general information only and are based on 1.000 inch (25.40 mm).
2. Dimensions are in inches and apply after plating. Accessory configuration is optional within the specified dimension envelope.
3. Adapter length is measured from the bottom of the accessory teeth to the adapter that is covered by the braid, The adapter surface under the braid shall be ribbed knurled or have a surface roughness of .125 R minimum in accordance with ANSI B46.1.
4. Pig tail terminated braid material shall be in accordance with Table IV. Braid length is defined by Note 1 as shown in the part or indentifying number (PIN).
5. Termination band configuration is not controlled. Band with buckle may exceed the "Z" dimension (See Table II) provided the band does not interfere with boot attachment, band material shall be specified as in Table V.
6. Shrink boot (when required) shall be as specified in AS5258.
7. Termination of rthe accessory shield with harness shield may be performed with a AS85049/93 shield support ring or similar split ring accessory types.
8. Three (3) holes equally spaced shall be provided and accommodate .020 (.51) maximum safety wire for the non-self-locking coupling configuration.
9. Drain holes will be provided with a.125 (3.2 mm) diameter, 4 places equally spaces (optional, see part number development). O-Ring not required when drain hole option is specified.
10. Material/Finish:
    Adapter, coupling nut - Al alloy/See Table III
    Band - See Table V, manufacturer's option
    Braid - Copper/See Table IV

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

© 2013 Glenair, Inc. U.S. CAGE Code 06324 Printed in U.S.A.