



AS85049/121

Straight Strain Relief

Self-Locking or Non-Self-Locking

CONNECTOR DESIGNATOR:

F MIL-DTL-38999 Series I and II

Product Series and
Basic Part Number

M85049/121

Dash No.
Table I
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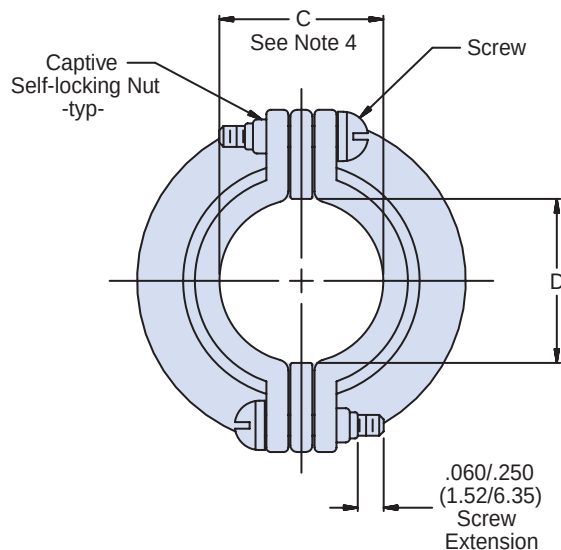
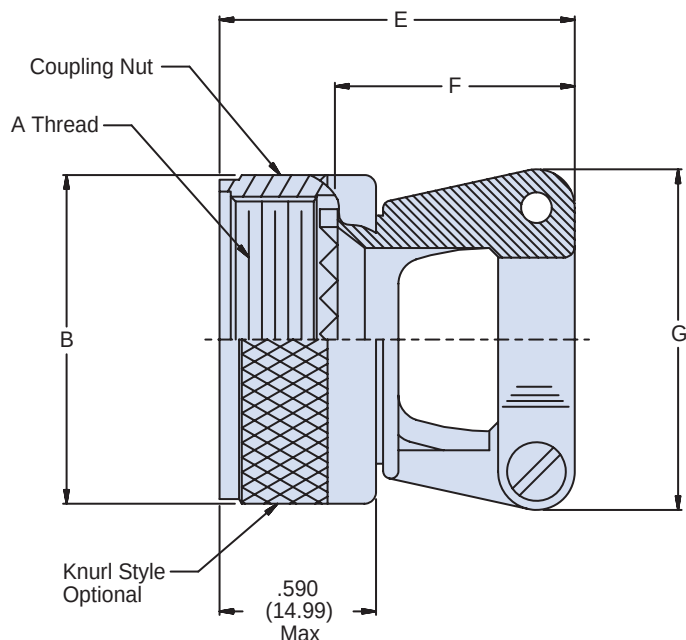
S

Finish
Table II
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08

W

S = Detented Self-Locking
N = Non-Detented Self-Locking
Use Dash (-) for Non-Self-Locking
(See Note 5)



APPLICATION NOTES

1. Assembly to be identified with manufacturer's name and part number, space permitting.
2. Glenair Series 600 Backshell Assembly Tools are recommended for assembly and installation.
3. Metric equivalents in parentheses (mm) are given for general information only and are based on 1.000 inch = 25.4 mm.
4. Cable entry is measured with saddle bars closed and bottomed on clamp ears.
5. Detented self-locking has a positive audible detented coupling.
6. Material/Finish:
Clamp body, coupling nut, saddles - Al alloy or 300 Series SST/See Table II.
Clamp screws and lock nuts - CRES/Passivated, Silver plate optional.
Anti-rotation device - Corrosion resistant material

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

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AS85049

B

TABLE I: Dash Number, Shell Size, Thread and Dimensions (Continued Below)

Dash No.	Screw Size	Connector Shell Size Series I Series II		A Thread Class 2B	B Dia Max	C Dim ± .031 (0.79) See Note 4	D Min	E Max Length	F Dim	G Max
08	4-40	9	8	7/16-28 UNEF	.858 (21.8)	.219 (5.6)	.22 (5.6)	1.01 (25.7)	.77 (19.6) .51 (13.0)	.88 (22.4)
10	4-40	11	10	9/16-24 UNEF	.984 (25.0)	.264 (6.7)	.27 (6.9)	1.13 (28.7)	.89 (22.6) .64 (16.3)	.94 (23.9)
12	4-40	13	12	11/16-24 UNEF	1.157 (29.4)	.344 (8.7)	.35 (8.9)	1.25 (31.8)	1.01 (25.7) .76 (19.3)	1.12 (28.4)
14	4-40	15	14	13/16-20 UNEF	1.297 (32.5)	.460 (11.7)	.47 (11.9)	1.25 (31.8)	1.01 (25.7) .76 (19.3)	1.19 (30.2)
16	4-40	17	16	15/16-20 UNEF	1.406 (35.7)	.545 (13.8)	.55 (14.0)	1.37 (34.8)	1.13 (28.7) .88 (22.4)	1.44 (36.6)
18	6-32	19	18	1 1/16-18 UNEF	1.516 (38.5)	.615 (15.6)	.62 (15.7)	1.62 (41.1)	1.38 (35.1) 1.13 (28.7)	1.56 (39.6)
20	6-32	21	20	1 3/16-18 UNEF	1.642 (41.7)	.698 (17.7)	.70 (17.8)	1.75 (44.5)	1.51 (38.4) 1.26 (32.0)	1.69 (42.9)
22	6-32	23	22	1 5/16-18 UNEF	1.768 (44.9)	.780 (19.8)	.78 (19.8)	1.87 (47.5)	1.63 (41.4) 1.38 (35.1)	1.75 (44.5)
24	8-32	25	24	1 7/16-18 UNEF	1.869 (47.5)	.850 (21.6)	.85 (21.6)	2.00 (50.8)	1.76 (44.7) 1.51 (38.4)	1.88 (47.8)

TABLE II: Material and Finish

Symbol	Material	Finish
A	Aluminum Alloy	Black Anodize
N		Electroless Nickel
W		Cadmium, Olive Drab
X		Nickel Fluorocarbon Polymer
Y		Pure Dense Electrodeposited Aluminum
Z		Zinc Nickel
S	300 Series SST	Passivated

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

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Glenair:

M85049/121-08A	M85049/121-08N	M85049/121-08W	M85049/121-10A	M85049/121-10N	M85049/121-10W
M85049/121-12A	M85049/121-12N	M85049/121-12W	M85049/121-14A	M85049/121-14N	M85049/121-14W
M85049/121-16A	M85049/121-16N	M85049/121-16W	M85049/121-18A	M85049/121-18N	M85049/121-18W
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M85049/121S10N	M85049/121S12A	M85049/121S12N	M85049/121S14A	M85049/121S14N	M85049/121S16A
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M85049/121S22A	M85049/121S22N	M85049/121S24A	M85049/121S24N	M85049/121S08W	M85049/121S10W
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M85049/121N12N	M85049/121N20W	M85049/121N14W	M85049/121N16W	M85049/121N17N	