AS85049/49-2 and MS27506
Straight Strain Relief
Self-Locking or Non-Self-Locking

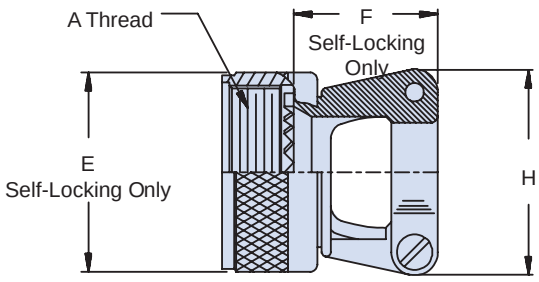
CONNECTOR DESIGNATOR:	
F	MIL-DTL-27599, MIL-DTL-38999 Series I & II

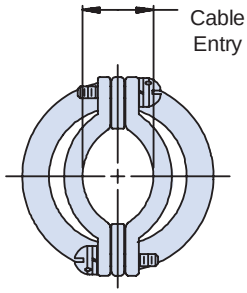
FOR NEW DESIGN
USE AS85049/121

Basic Part Number	Dash No.		
M85049/49-2	S	10	W

S *= Self-Locking*
Use Dash for Non-Self-Locking
N *= Non-Detented*

Material and Finish Designator
A = Aluminum, Black Anodize
N = Aluminum, Electroless Nickel
S = 300 Series Steel, Passivated
W = Aluminum, 1000 Hour Cadmium Olive Drab over Electroless Nickel





Note: Screw orientation shown is for non-self-locking configuration. Screws on self-locking configurations are on the same side/face of the clamp.

TABLE I: Shell Size, Cable Entry and Backshell Dimensions

Shell Size	Shell Size Ref.	A Thread Class 2B	Ø E Max Self-Locking Only		F Max Self-Locking Only		H Max		Cable Entry Min		Cable Entry Max	
8	8/9	.438 - 28 UNEF	.86	(21.8)	.91	(23.1)	.85	(21.6)	.098	(2.5)	.234	(5.9)
10	10/11	.562 - 24 UNEF	.98	(24.9)	.91	(23.1)	.90	(22.9)	.153	(3.9)	.234	(5.9)
12	12/13	.688 - 24 UNEF	1.16	(29.5)	1.01	(25.7)	1.10	(27.9)	.190	(4.8)	.328	(8.3)
14	14/15	.813 - 20 UNEF	1.28	(32.5)	1.06	(26.9)	1.15	(29.2)	.260	(6.6)	.457	(11.6)
16	16/17	.938 - 20 UNEF	1.41	(35.8)	1.16	(29.5)	1.30	(33.0)	.283	(7.2)	.614	(15.6)
18	18/19	1.063 - 18 UNEF	1.52	(38.6)	1.41	(35.8)	1.50	(38.1)	.325	(8.3)	.634	(16.1)
20	20/21	1.188 - 18 UNEF	1.64	(41.7)	1.51	(38.4)	1.60	(40.6)	.343	(8.7)	.698	(17.7)
22	22/23	1.313 - 18 UNEF	1.77	(45.0)	1.66	(42.2)	1.70	(43.2)	.381	(9.7)	.823	(20.9)
24	24/25	1.438 - 18 UNEF	1.89	(48.0)	1.76	(44.7)	1.80	(45.7)	.418	(10.6)	.853	(21.7)

APPLICATION NOTES

1. Assembly to be identified with manufacturer's name and part number, space permitting.
2. Cable Entry is defined as the accommodation entry for the wire bundle or cable. Dimensions are not intended for inspection criteria.
3. For complete dimensions, see the applicable Military Specification.
4. Metric dimensions (mm) are in parentheses.

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

© 2013 Glenair, Inc.