

AS85049/39
90° Strain Relief
Self-Locking or Non-Self-Locking



AS85049

CONNECTOR DESIGNATOR:

H MIL-DTL-38999 Series III & IV
 EN3645

**FOR NEW DESIGN
 USE AS85049/126**

**Basic
 Part Number**

M85049/39

Shell Size

S

11

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, 500 Hour Cadmium
 Olive Drab over Electroless Nickel

B

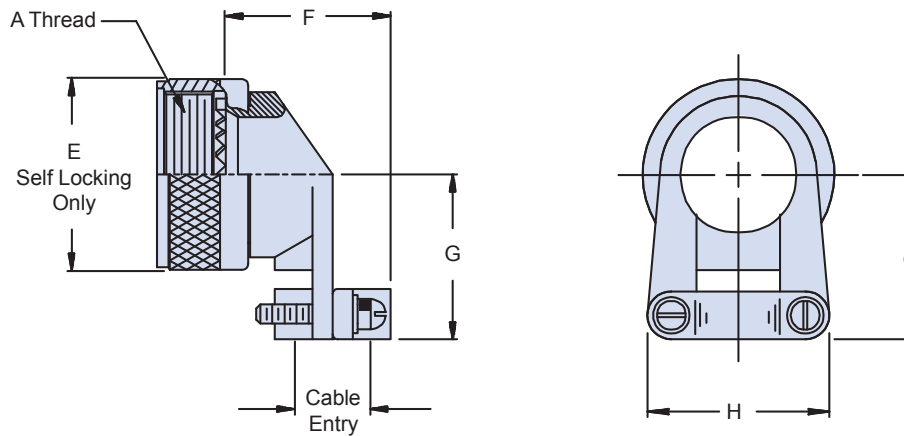


TABLE I: Shell Size, Cable Entry and Backshell Dimensions

Shell Size	Shell Size Ref.	A Thread Class 2B	Ø E Max Self-Locking Only	F Max	G Max	H Max	Cable Entry					
							Min		Max			
9	A	M12 X 1 - 6H	.858 (21.8)	1.01 (25.7)	1.00 (25.4)	.85 (21.6)	.098 (2.5)	.234 (5.9)				
11	B	M15 X 1 - 6H	.984 (25.0)	1.01 (25.7)	1.10 (27.9)	.90 (22.9)	.153 (3.9)	.234 (5.9)				
13	C	M18 X 1 - 6H	1.157 (29.4)	1.21 (30.7)	1.10 (27.9)	1.10 (27.9)	.190 (4.8)	.328 (8.3)				
15	D	M22 X 1 - 6H	1.279 (32.5)	1.26 (32.0)	1.25 (31.8)	1.15 (29.2)	.260 (6.6)	.457 (11.6)				
17	E	M25 X 1 - 6H	1.406 (35.7)	1.41 (35.8)	1.30 (33.0)	1.30 (33.0)	.283 (7.2)	.614 (15.6)				
19	F	M28 X 1 - 6H	1.516 (38.5)	1.51 (38.4)	1.35 (34.3)	1.50 (38.1)	.325 (8.3)	.634 (16.1)				
21	G	M31 X 1 - 6H	1.642 (41.7)	1.66 (42.2)	1.60 (40.6)	1.60 (40.6)	.343 (8.7)	.698 (17.7)				
23	H	M34 X 1 - 6H	1.768 (44.9)	1.76 (44.7)	1.75 (44.5)	1.70 (43.2)	.381 (9.7)	.823 (20.9)				
25	J	M37 X 1 - 6H	1.889 (48.0)	2.91 (73.9)	1.85 (47.0)	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.

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Mil-Spec Backshells

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