

AS85049/46 and MS27663-2 90° Non-Self-Locking Composite Strain Relief



CONNECTOR DESIGNATOR:

F MIL-DTL-27599,
MIL-DTL-38999 Series I & II

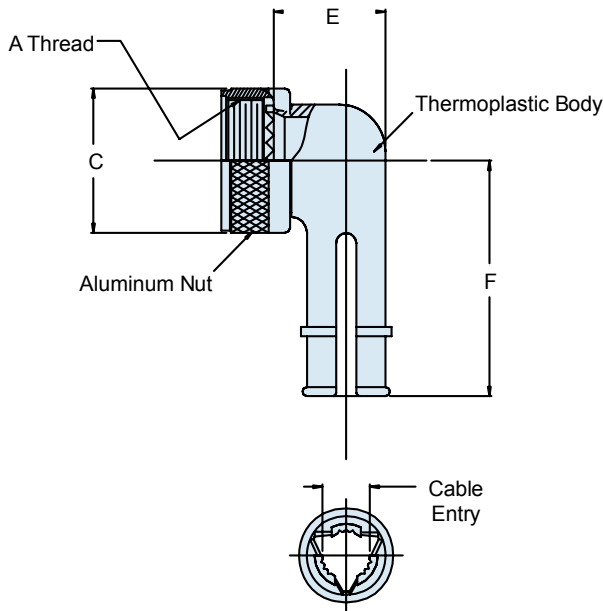
Basic
Part Number

M85049/46

Dash No.

W

10



Finish

A = Anodize, Black
N = Electroless Nickel
W = 1,000 Hour Cadmium Olive Drab
over Electroless Nickel
X = Pure Dense Electrodeposited
Aluminum
Y = Passivated
Z = Zinc-Nickel, Black

Superseded PART NUMBER

MS27663-2

Basic
Part No.

Dash
No.

TABLE I: Shell Size, Cable Entry and Backshell Dimensions

Dash No.	Shell Size Ref.	A Thread Class 2B	Ø C Max	E Max	F Max	Cable Entry			
						Min	Max		
8	8/9	.438 - 28 UNEF	.578 (14.7)	.656 (16.7)	1.015 (25.8)	.094 (2.4)	.203 (5.2)		
10	10/11	.562 - 24 UNEF	.703 (17.9)	.688 (17.5)	1.062 (27.0)	.141 (3.6)	.250 (6.4)		
12	12/13	.688 - 24 UNEF	.828 (21.0)	.750 (19.1)	1.125 (28.6)	.172 (4.4)	.323 (8.2)		
14	14/15	.813 - 20 UNEF	.953 (24.2)	.859 (21.8)	1.328 (33.7)	.203 (5.2)	.422 (10.7)		
16	16/17	.938 - 20 UNEF	1.078 (27.4)	.937 (23.8)	1.392 (35.4)	.234 (5.9)	.500 (12.7)		
18	18/19	1.063 - 18 UNEF	1.203 (30.6)	1.000 (25.4)	1.453 (36.9)	.265 (6.7)	.562 (14.3)		
20	20/21	1.188 - 18 UNEF	1.328 (33.7)	1.062 (27.0)	1.609 (40.9)	.297 (7.5)	.625 (15.9)		
22	22/23	1.313 - 18 UNEF	1.453 (36.9)	1.141 (29.0)	1.656 (42.1)	.328 (8.3)	.703 (17.9)		
24	24/25	1.438 - 18 UNEF	1.578 (40.1)	1.203 (30.6)	1.719 (43.7)	.359 (9.1)	.765 (19.4)		

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.

Mouser Electronics

Authorized Distributor

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Glenair:

[M85049/46W20](#) [M85049/46W10](#) [M85049/46W24](#) [M85049/46W14](#)