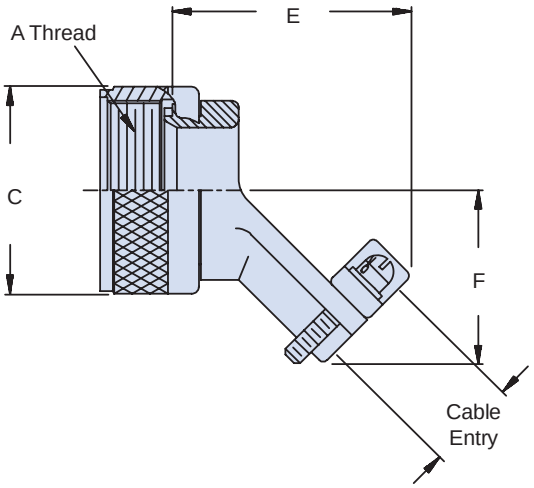
AS85049/43 and MS3415
Strain Relief
45° Self-Locking or Non-Self-Locking

CONNECTOR DESIGNATOR:	
A	AS5015 Series AS34001 Crimp, MIL-DTL-26482 Series II, AS81703 Crimp Series III, MIL-DTL-83723 Series I & III



Basic Part Number — **M85049/43**

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

Dash No. — **10**

W

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

TABLE I: Shell Size, Cable Entry and Backshell Dimensions

Dash No.	A Thread Class 2B	C Max		E Closed		F Max		Cable Entry Min		Cable Entry Max	
3*	.562 - 24 UNEF	.669	(17.0)	1.160	(29.5)	.772	(19.6)	.125	(3.2)	.204	(5.2)
8	.500 - 20 UNF	.885	(22.5)	1.650	(29.5)	.772	(19.6)	.125	(3.2)	.204	(5.2)
10	.625 - 24 UNEF	1.010	(25.7))	1.694	(30.6)	.803	(20.4)	.187	(4.7)	.286	(7.3)
12	.750 - 20 UNEF	1.135	(28.8)	1.768	(32.5)	.866	(22.0)	.291	(7.4)	.416	(10.6)
14	.875 - 20 UNEF	1.260	(32.0)	1.840	(33.5)	.928	(23.6)	.351	(8.9)	.476	(12.1)
16	1.000 - 20 UNEF	1.385	(35.2)	1.916	(36.2)	.991	(25.2)	.501	(12.7)	.625	(15.9)
18	1.062 - 18 UNEF	1.570	(39.9)	2.034	(39.2)	1.110	(28.2)	.518	(13.2)	.706	(17.9)
20	1.188 - 18 UNEF	1.635	(41.5)	2.078	(40.3)	1.172	(29.8)	.581	(14.8)	.831	(21.1)
22	1.313 - 18 UNEF	1.760	(44.7)	2.122	(41.5)	1.235	(31.4)	.644	(16.4)	.956	(24.3)
24	1.438 - 18 UNEF	1.885	(47.9)	2.166	(42.6)	1.297	(32.9)	.706	(17.9)	1.081	(27.5)
28	1.750 - 18 UNS	2.135	(54.2)	2.461	(45.7)	1.543	(39.2)	.750	(19.1)	1.187	(30.1)
32	2.000 - 18 UNS	2.315	(58.8)	2.549	(48.0)	1.668	(42.4)	.875	(22.2)	1.250	(31.8)
36	2.250 - 16 UN	2.635	(66.9)	2.595	(49.1)	1.793	(45.5)	.938	(23.8)	1.375	(34.9)
40	2.500 - 16 UN	2.885	(73.3)	2.599	(49.1)	1.918	(48.7)	.938	(23.8)	1.500	(38.1)
44	2.750 - 16 UN	3.135	(79.6)	2.860	(55.9)	2.132	(54.2)	1.188	(30.2)	1.750	(44.5)
48	3.000 - 16 UN	3.385	(86.0)	2.918	(58.1)	2.257	(57.3)	1.312	(33.3)	1.875	(47.6)
61*	1.500 - 18 UNEF	1.653	(41.5)	1.676	(42.6)	1.204	(30.6)	.706	(17.9)	1.081	(27.5)

* See Note 5

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.
5. Non-Self-Locking only.

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

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