

# AS85049/3 Style 1 Straight Environmental Backshell

## CONNECTOR DESIGNATOR:

**C** MIL-DTL-22992 Classes C, J and R

## Finish

A = Hard-coat Anodize  
W = Cadmium, Olive Drab  
Y = Pure Dense Electrodeposited Aluminum  
X = Nickel Fluorocarbon Polymer  
Z = Zinc Nickel

### TABLE II: Cable Range

Dash No.	Shell Size	Cable Range	
		Min	Max
1	12	.281 (7.1)	.375 (9.5)
2	12	.188 (4.8)	.281 (7.1)
3	14	.344 (8.7)	.438 (11.1)
4	16	.511 (13.0)	.605 (15.4)
5	16	.436 (11.1)	.530 (13.5)
6	16	.311 (7.9)	.405 (10.3)
7	18	.531 (13.5)	.625 (15.9)
8	18	.605 (15.4)	.699 (17.8)
9	18	.406 (10.3)	.500 (12.7)
10	18	.361 (9.2)	.455 (11.6)
11	20	.715 (18.2)	.828 (21.0)
12	20	.449 (11.4)	.562 (14.3)
13	22	.637 (16.2)	.750 (19.1)
14	22	.787 (20.0)	.900 (22.9)
15	22	.692 (17.6)	.805 (20.4)
16	24	.930 (23.6)	1.055 (26.8)
17	24	.675 (17.1)	1.000 (25.4)
18	24	.984 (25.0)	1.109 (28.2)
19	24	.755 (19.2)	.880 (22.4)
20	28	1.055 (26.8)	1.180 (30.0)
21	28	1.105 (28.1)	1.230 (31.2)
22	28	1.185 (30.1)	1.310 (33.3)
23	32	1.320 (33.5)	1.455 (37.0)
24	32	1.406 (35.7)	1.531 (38.9)
25	32	1.250 (31.8)	1.375 (34.9)
26	36	1.531 (38.9)	1.656 (42.1)
27	36	1.437 (36.5)	1.562 (39.7)
28	44	2.105 (53.5)	2.250 (57.2)
29	44	2.025 (51.4)	2.170 (55.1)

**M85049/3**

**W**

**10**

**A**

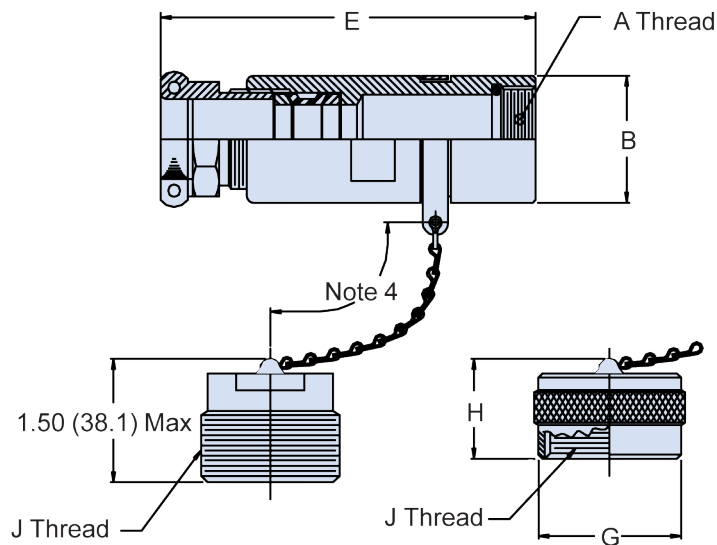
**1**

Basic Part Number

Dash Number (Table II)

Type A or B

Style 1



**TYPE A - Plug Cap**  
For use with MS17344

**TYPE B - Receptacle Cap**  
For use with MS17343, MS17345, and MS17347

### TABLE I: Shell Size and Dimensions

Shell Size	A Thread Class 2B-LH	B Dia ±.015 (0.4)	E Max	G Dia Max	H Max	J Thread (Plated) Class 2 (A or B)
12	.7500 - 20 UNEF	.933 (23.7)	3.365 (85.5)	1.094 (27.8)	.765 (19.4)	0.875-0.1P-0.2L-DS
14	.8750 - 20 UNEF	1.057 (26.8)	3.678 (93.4)	1.219 (31.0)	.765 (19.4)	1.000-0.1P-0.2L-DS
16	1.0000 - 20 UNEF	1.183 (30.0)	4.177 (106.1)	1.344 (34.1)	.980 (24.9)	1.125-0.1P-0.2L-DS
18	1.1250 - 18 UNEF	1.307 (33.2)	4.489 (114.0)	1.469 (37.3)	.980 (24.9)	1.250-0.1P-0.2L-DS
20	1.2500 - 18 UNEF	1.433 (36.4)	4.615 (117.2)	1.562 (39.7)	.980 (24.9)	1.375-0.1P-0.2L-DS
22	1.3750 - 18 UNEF	1.557 (39.5)	4.647 (118.0)	1.608 (40.8)	.980 (24.9)	1.500-0.1P-0.2L-DS
24	1.6250 - 18 UNEF	1.807 (45.9)	4.896 (124.4)	1.938 (49.2)	.980 (24.9)	1.750-0.1P-0.2L-DS
28	1.8750 - 16 UN	2.057 (52.2)	4.959 (126.0)	2.219 (56.4)	.980 (24.9)	2.000-0.1P-0.2L-DS
32	2.0625 - 16 UNS	2.307 (58.6)	5.021 (127.5)	2.469 (62.7)	.980 (24.9)	2.250-0.1P-0.2L-DS
36	2.3125 - 16 UNS	2.557 (64.9)	5.083 (129.1)	2.719 (69.1)	.980 (24.9)	2.500-0.1P-0.2L-DS
44	2.8750 - 16 UN	3.120 (79.2)	6.471 (164.4)	2.969 (75.4)	.980 (24.9)	3.000-0.1P-0.2L-DS

## APPLICATION NOTES

- For complete dimensions see the applicable Military Specification.
- Metric dimensions (mm) are in parentheses.
- Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
- Approximate chain lengths: Dash No. 01-12 = 5.0 (127.0); Dash No. 13-29 = 6.0 (152.4).

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

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