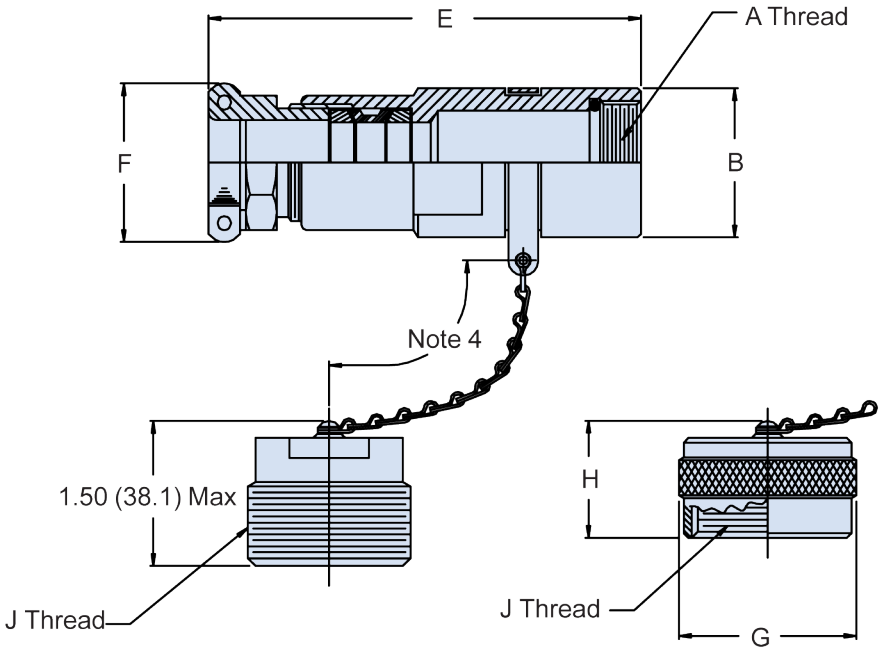
AS85049/5 Style 1
Straight Environmental Backshell

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

M85049/5	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

APPLICATION NOTES

1. For complete dimensions see the applicable Military Specification.
2. Metric dimensions (mm) are in parentheses.
3. Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. 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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TABLE I: Shell Size and Dimensions					
Shell Size	A Thread Class 2B-LH	B Dia ±.015 (0.4)	G Dia Max	H Max	J Thread (Plated) Class 2 (A or B)
12	.7500 - 20 UNEF	.933 (23.7)	1.094 (27.8)	.765 (19.4)	0.875-0.1P-0.2L-DS
18	1.1250 - 18 UNEF	1.307 (33.2)	1.469 (37.3)	.980 (24.9)	1.250-0.1P-0.2L-DS
20	1.2500 - 18 UNEF	1.433 (36.4)	1.562 (39.7)	.980 (24.9)	1.375-0.1P-0.2L-DS
22	1.3750 - 18 UNEF	1.557 (39.5)	1.688 (42.9)	.980 (24.9)	1.500-0.1P-0.2L-DS
24	1.6250 - 18 UNEF	1.807 (45.9)	1.938 (49.2)	.980 (24.9)	1.750-0.1P-0.2L-DS
28	1.8750 - 16 UN	2.057 (52.2)	2.219 (56.4)	.980 (24.9)	2.000-0.1P-0.2L-DS
32	2.0625 - 16 UNS	2.307 (58.6)	2.469 (62.7)	.980 (24.9)	2.250-0.1P-0.2L-DS
36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	.980 (24.9)	2.500-0.1P-0.2L-DS
40	2.6250 - 16 UN	2.870 (72.9)	2.969 (75.4)	.980 (24.9)	2.750-0.1P-0.2L-DS
44	2.8750 - 16 UN	3.120 (79.2)	3.217 (81.7)	.980 (24.9)	3.000-0.1P-0.2L-DS

TABLE II: Dash Number and Cable Range					
Dash No.	Shell Size	E Max	F ± .031 (0.8)	Cable Range Min	Cable Range Max
1	12	3.182 (80.8)	.938 (23.8)	.156 (4.0)	.250 (6.4)
2	18	3.901 (99.1)	1.062 (27.0)	.281 (7.1)	.375 (9.5)
3	18	3.932 (99.9)	1.125 (28.6)	.281 (7.1)	.375 (9.5)
4	18	3.901 (99.1)	1.062 (27.0)	.188 (4.8)	.281 (7.1)
5	18	4.177 (106.1)	1.375 (34.9)	.511 (13.0)	.605 (15.4)
6	18	4.177 (106.1)	1.375 (34.9)	.436 (11.1)	.530 (13.5)
7	20	4.489 (114.0)	1.562 (39.7)	.605 (15.4)	.699 (17.8)
8	20	4.489 (114.0)	1.562 (39.7)	.361 (9.2)	.455 (11.6)
9	20	4.306 (109.4)	1.375 (34.9)	.511 (13.0)	.605 (15.4)
10	22	4.584 (116.4)	1.688 (42.9)	.449 (11.4)	.562 (14.3)
11	22	4.306 (109.4)	1.375 (34.9)	.311 (7.9)	.405 (10.3)
12	22	4.306 (109.4)	1.375 (34.9)	.715 (18.2)	.828 (21.0)
13	24	4.647 (118.0)	1.812 (46.0)	.787 (20.0)	.900 (22.9)
14	24	4.647 (118.0)	1.812 (46.0)	.517 (13.1)	.630 (16.0)
15	24	4.647 (118.0)	1.812 (46.0)	.637 (16.2)	.750 (19.1)
16	24	4.647 (118.0)	1.812 (46.0)	.857 (21.8)	.970 (24.6)
17	24	4.542 (115.4)	1.688 (42.9)	.715 (18.2)	.828 (21.0)
18	24	4.647 (118.0)	1.812 (46.0)	.692 (17.6)	.805 (20.4)
19	28	4.896 (124.4)	2.125 (54.0)	.755 (19.2)	.880 (22.4)
20	28	4.896 (124.4)	2.125 (54.0)	.984 (25.0)	1.109 (28.2)
21	28	4.647 (118.0)	1.812 (46.0)	.637 (16.2)	.750 (19.1)
22	28	4.229 (107.4)	1.125 (28.6)	.281 (7.1)	.375 (9.5)
23	28	4.647 (118.0)	1.812 (46.0)	.857 (21.8)	.970 (24.6)
24	28	4.896 (124.4)	2.125 (54.0)	.875 (22.2)	1.000 (25.4)
25	28	4.431 (112.5)	1.375 (34.9)	.436 (11.1)	.530 (13.5)
26	28	4.647 (118.0)	1.812 (46.0)	.567 (14.4)	.680 (17.3)
27	32	4.896 (124.4)	2.125 (54.0)	.930 (23.6)	1.055 (26.8)
28	32	4.959 (126.0)	2.469 (62.7)	1.105 (28.1)	1.230 (31.2)
29	32	4.647 (118.0)	1.812 (46.0)	.637 (16.2)	.750 (19.1)
30	32	4.896 (124.4)	2.125 (54.0)	.755 (19.2)	.880 (22.4)
31	32	4.896 (124.4)	2.125 (54.0)	.984 (25.0)	1.109 (28.2)
32	32	4.647 (118.0)	1.812 (46.0)	.857 (21.8)	.970 (24.6)
33	32	4.276 (108.6)	1.125 (28.6)	.281 (7.1)	.375 (9.5)
34	32	4.431 (112.5)	1.375 (34.9)	.436 (11.1)	.530 (13.5)
35	32	4.959 (126.0)	2.469 (62.7)	1.005 (25.5)	1.130 (28.7)
36	36	4.959 (126.0)	2.469 (62.7)	1.185 (30.1)	1.310 (33.3)
37	36	4.896 (124.4)	2.125 (54.0)	.984 (25.0)	1.109 (28.2)
38	36	5.021 (127.5)	2.625 (66.7)	1.250 (31.8)	1.375 (34.9)
39	36	4.959 (126.0)	2.469 (62.7)	1.055 (26.8)	1.180 (30.0)
40	36	5.021 (127.5)	2.625 (66.7)	1.320 (33.5)	1.445 (36.7)
41	36	4.651 (118.1)	1.812 (46.0)	.857 (21.8)	.970 (24.6)
42	36	4.959 (126.0)	2.469 (62.7)	1.105 (28.1)	1.230 (31.2)
43	40	6.354 (161.4)	3.171 (80.5)	1.815 (46.1)	1.940 (49.3)
44	40	6.354 (161.4)	3.171 (80.5)	1.700 (43.2)	1.825 (46.4)
45	40	6.354 (161.4)	3.171 (80.5)	1.605 (40.8)	1.730 (43.9)
46	40	6.057 (153.8)	2.953 (75.0)	1.531 (38.9)	1.656 (42.1)
47	44	6.345 (161.2)	3.375 (85.7)	1.867 (47.4)	2.000 (50.8)
48	44	5.266 (133.8)	3.171 (80.5)	1.775 (45.1)	1.900 (48.3)

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