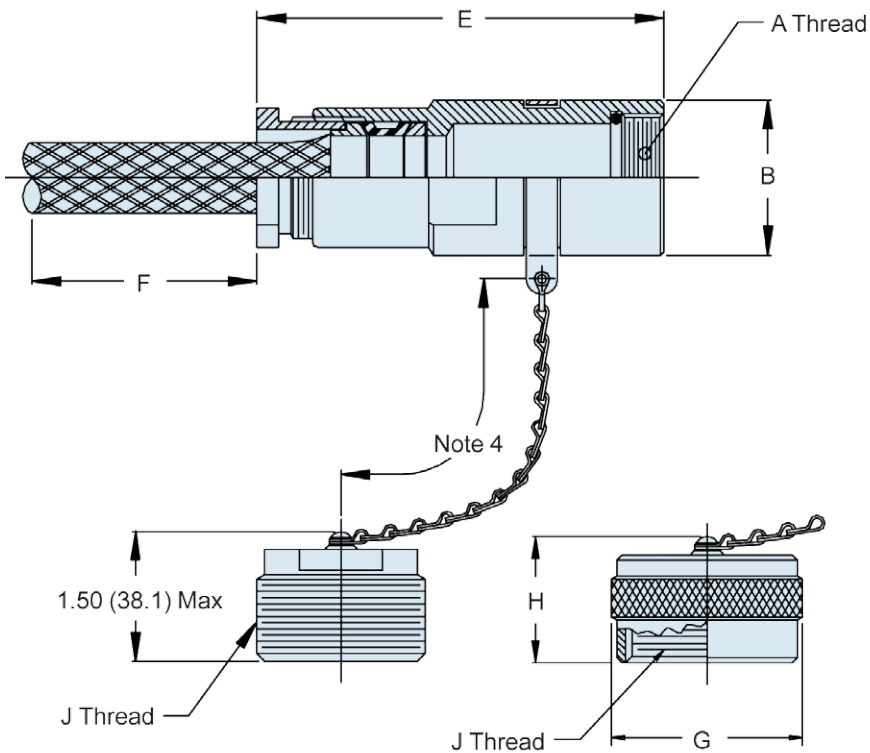
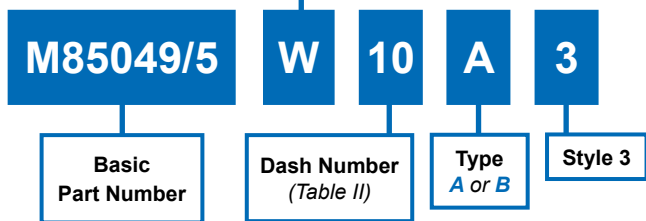




# AS85049/5 Style 3 Straight Environmental Backshell

**CONNECTOR DESIGNATOR:**  
**C** MIL-DTL-22992 Classes C, J and R

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



**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).

# AS85049/5 Style 3 Straight Environmental Backshell



**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	2.875 (73.0)	2.969 (75.4)	.980 (24.9)	2.750-0.1P-0.2L-DS
44	2.8750 - 16 UN	3.125 (79.4)	3.217 (81.7)	.980 (24.9)	3.000-0.1P-0.2L-DS

**TABLE II: Dash Number, Shell Size and Cable Range**

Dash No.	Shell Size	Cable Range		E Max	F Appr. Free Length
		Min	Max		
1	12	.160 (4.1)	.222 (5.6)	2.752 (69.9)	2.406 (61.1)
2	18	.511 (13.0)	.605 (15.4)	3.712 (94.3)	5.188 (131.8)
3	18	.436 (11.1)	.530 (13.5)	3.712 (94.3)	4.688 (119.1)
4	18	.306 (7.8)	.375 (9.5)	3.502 (89.0)	3.844 (97.6)
5	18	.219 (5.6)	.281 (7.1)	3.471 (88.2)	2.844 (72.2)
6	20	.605 (15.4)	.699 (17.8)	4.024 (102.2)	6.188 (157.2)
7	20	.511 (13.0)	.605 (15.4)	3.841 (97.6)	5.188 (131.8)
8	20	.361 (9.2)	.455 (11.6)	4.024 (102.2)	4.188 (106.4)
9	22	.715 (18.2)	.828 (21.0)	4.087 (103.8)	6.688 (169.9)
10	22	.449 (11.4)	.562 (14.3)	4.087 (103.8)	5.188 (131.8)
11	22	.316 (8.0)	.405 (10.3)	3.841 (97.6)	3.688 (93.7)
12	24	.692 (17.6)	.805 (20.4)	4.150 (105.4)	6.688 (169.9)
13	24	.637 (16.2)	.750 (19.1)	4.150 (105.4)	6.688 (169.9)
14	24	.517 (13.1)	.630 (16.0)	4.150 (105.4)	5.688 (144.5)
15	28	.984 (25.0)	1.109 (28.2)	4.212 (107.0)	7.688 (195.3)
16	28	.875 (22.2)	1.000 (25.4)	4.212 (107.0)	7.188 (182.6)
17	28	.755 (19.2)	.880 (22.4)	4.212 (107.0)	6.688 (169.9)
18	28	.637 (16.2)	.750 (19.1)	4.150 (105.4)	6.688 (169.9)
19	28	.567 (14.4)	.680 (17.3)	4.150 (105.4)	6.688 (169.9)
20	28	.436 (11.1)	.530 (13.5)	3.966 (100.7)	4.688 (119.1)
21	28	.306 (7.8)	.375 (9.5)	3.799 (96.5)	3.844 (97.6)
22	32	1.105 (28.1)	1.230 (31.2)	4.275 (108.6)	8.188 (208.0)
23	32	1.005 (25.5)	1.130 (28.7)	4.275 (108.6)	7.188 (182.6)
24	32	.930 (23.6)	1.055 (26.8)	4.212 (107.0)	7.688 (195.3)
25	32	.857 (21.8)	.970 (24.6)	4.150 (105.4)	7.188 (182.6)
26	32	.755 (19.2)	.880 (22.4)	4.212 (107.0)	6.688 (169.9)
27	32	.637 (16.2)	.750 (19.1)	4.150 (105.4)	6.688 (169.9)
28	32	.436 (11.1)	.530 (13.5)	3.966 (100.7)	4.688 (119.1)
29	32	.306 (7.8)	.375 (9.5)	3.846 (97.7)	3.844 (97.6)
30	36	1.320 (33.5)	1.445 (36.7)	4.337 (110.2)	9.688 (246.1)
31	36	1.250 (31.8)	1.375 (34.9)	4.337 (110.2)	9.688 (246.1)
32	36	1.185 (30.1)	1.310 (33.3)	4.275 (108.6)	8.688 (220.7)
33	36	1.105 (28.1)	1.230 (31.2)	4.275 (108.6)	8.188 (208.0)
34	36	1.055 (26.8)	1.180 (30.0)	4.275 (108.6)	8.188 (208.0)
35	36	.984 (25.0)	1.109 (28.2)	4.212 (107.0)	7.688 (195.3)
36	36	.857 (21.8)	.970 (24.6)	4.154 (105.5)	7.188 (182.6)
37	40	1.815 (46.1)	1.940 (49.3)	5.673 (144.1)	13.188 (335.0)
38	40	1.700 (43.2)	1.825 (46.4)	5.673 (144.1)	13.188 (335.0)
39	40	1.605 (40.8)	1.730 (43.9)	5.673 (144.1)	13.188 (335.0)
40	40	1.531 (38.9)	1.656 (42.1)	5.373 (136.5)	12.688 (322.3)
41	44	1.862 (47.3)	2.000 (50.8)	5.673 (144.1)	14.188 (360.4)
42	44	1.775 (45.1)	1.900 (48.3)	4.594 (116.7)	12.688 (322.3)