



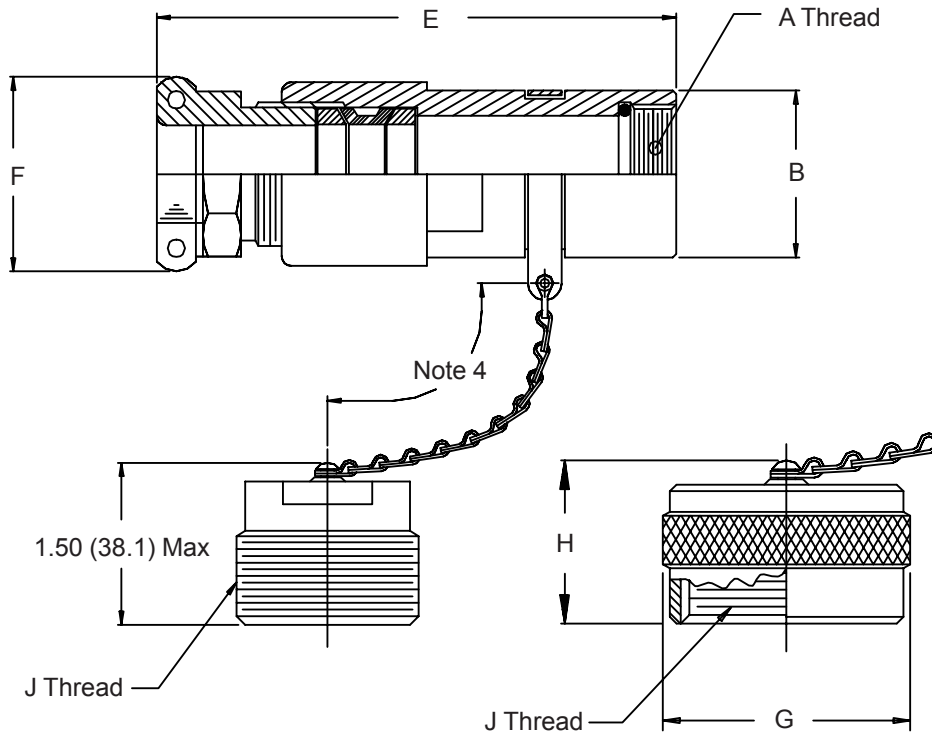
## AS85049/4 Style 1 Environmental Backshells

**Glenair Connector Designator C**

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

**M85049/4 W 10 A 1**

Basic Part No. \_\_\_\_\_  
 Body and Cap Finish \_\_\_\_\_  
 A = Anodize  
 W = 1,000 Hour Cadmium Olive Drab Over Electroless Nickel  
 Style 1  
 Type (A or B)  
 Dash Number (Table II)



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

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

**TABLE I**

Shell Size	A Thread Class 2B-LH	B Dia ±.015 (.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
14	.8750 - 20 UNEF	1.057 (26.8)	1.219 (31.0)	.765 (19.4)	1.000-0.1P-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

# AS85049/4 Style 1 Environmental Backshells



Environmental  
Backshells

**TABLE II**

Dash No.	Shell Size	E		F		Cable Range	
		Max	$\pm 0.031$	(.8)	Min	Max	
1	12	4.275 (108.6)	1.375 (34.9)	.436 (11.1)	.530 (13.5)		
2	12	3.678 (93.4)	1.125 (28.6)	.406 (10.3)	.500 (12.7)		
3	12	4.275 (108.6)	1.375 (34.9)	.311 (7.9)	.405 (10.3)		
4	14	4.177 (106.1)	1.375 (34.9)	.511 (13.0)	.605 (15.4)		
5	14	4.489 (114.0)	1.562 (39.7)	.531 (13.5)	.625 (15.9)		
6	14	4.177 (106.1)	1.375 (34.9)	.436 (11.1)	.530 (13.5)		
7	14	4.177 (106.1)	1.375 (34.9)	.311 (7.9)	.405 (10.3)		
8	18	4.584 (116.4)	1.688 (42.9)	.715 (18.2)	.828 (21.0)		
9	20	4.647 (118.0)	1.812 (46.0)	.637 (16.2)	.750 (19.1)		
10	20	4.896 (124.4)	2.125 (54.0)	.875 (22.2)	1.000 (25.4)		
11	20	4.647 (118.0)	1.812 (46.0)	.787 (20.0)	.900 (22.9)		
12	20	4.896 (124.4)	2.125 (54.0)	.930 (23.6)	1.055 (26.8)		
13	22	4.896 (124.4)	2.125 (54.0)	.875 (22.2)	1.000 (25.4)		
14	22	4.896 (124.4)	2.125 (54.0)	.984 (25.0)	1.109 (28.2)		
15	24	4.959 (126.0)	2.469 (62.7)	1.055 (26.8)	1.180 (30.0)		
16	24	4.959 (126.0)	2.469 (62.7)	1.185 (30.1)	1.310 (33.3)		
17	24	4.959 (126.0)	2.469 (62.7)	1.105 (28.1)	1.230 (31.2)		
18	24	4.959 (126.0)	2.625 (66.7)	1.250 (31.8)	1.375 (34.9)		
19	28	5.021 (127.5)	2.625 (66.7)	1.320 (33.5)	1.445 (36.7)		
20	28	5.021 (127.5)	2.625 (66.7)	1.406 (35.7)	1.531 (38.9)		
21	28	5.021 (127.5)	2.625 (66.7)	1.250 (31.8)	1.375 (34.9)		
22	32	5.083 (129.1)	2.953 (75.0)	1.531 (38.9)	1.656 (42.1)		
23	32	5.385 (136.8)	3.171 (80.5)	1.700 (43.2)	1.828 (46.4)		
24	32	5.083 (129.1)	2.953 (75.0)	1.437 (36.5)	1.562 (39.7)		
25	32	5.385 (136.8)	3.171 (80.5)	1.605 (40.8)	1.730 (43.9)		
26	36	5.354 (136.0)	3.171 (80.5)	1.775 (45.1)	1.900 (48.3)		
27	36	5.354 (136.0)	3.171 (80.5)	1.605 (40.8)	1.730 (43.9)		
28	36	5.354 (136.0)	3.171 (80.5)	1.700 (43.2)	1.825 (46.4)		
29	36	5.354 (136.0)	3.171 (80.5)	1.859 (47.2)	1.984 (50.4)		
30	36	5.385 (136.8)	3.375 (85.7)	1.917 (48.7)	2.062 (52.4)		
31	40	5.682 (144.3)	3.625 (92.1)	2.230 (56.6)	2.375 (60.3)		
32	40	5.682 (144.3)	3.500 (88.9)	2.105 (53.5)	2.250 (57.2)		
33	40	5.620 (142.7)	3.375 (85.7)	2.000 (50.8)	2.145 (54.5)		
34	40	5.620 (142.7)	3.375 (85.7)	1.917 (48.7)	2.062 (52.4)		
35	44	6.471 (164.4)	3.531 (89.7)	2.183 (55.4)	2.328 (59.1)		

1. For complete dimensions see applicable Military Specification.
2. Metric dimensions (mm) are indicated in parentheses.
3. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. Approx. Chain Lengths:  
 Dash No. 1-12 = 5.0 (127.0);  
 Dash No. 13-35 = 6.0 (152.4)