



**AS85049/4 Style 3  
Environmental Backshells**

**Glenair Connector Designator C  
MIL-C-22992 Classes C, J, and R**

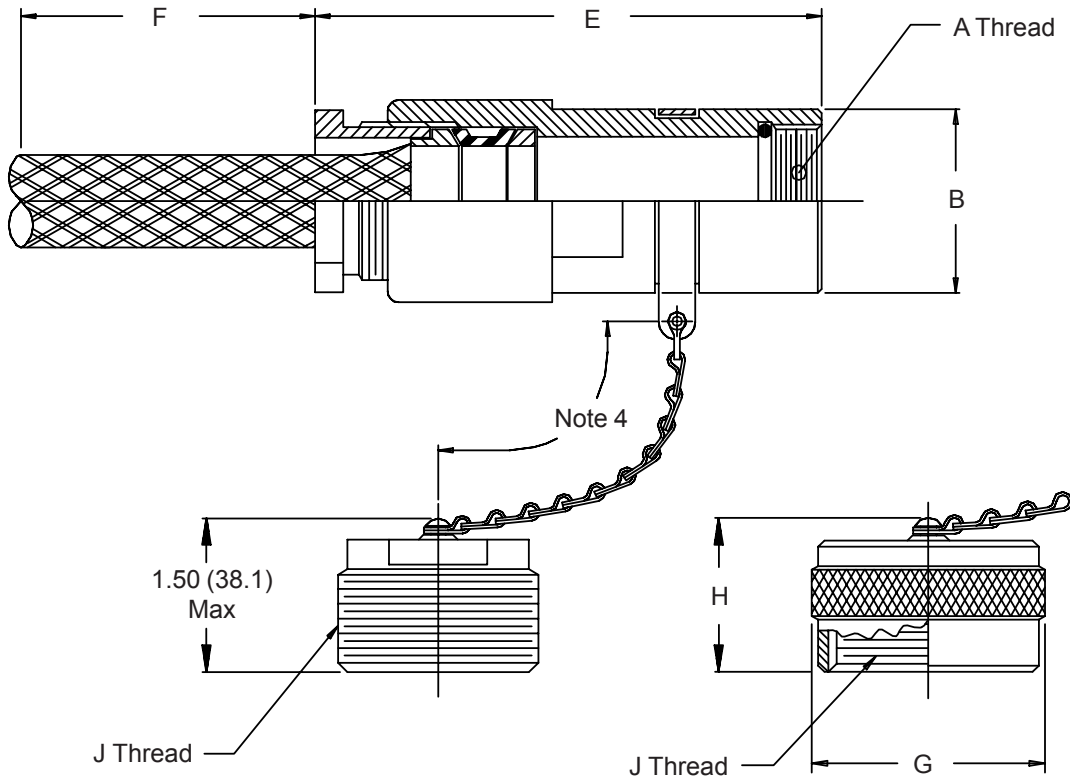
**M85049/4 W 10 A 3**

Basic Part No. \_\_\_\_\_

Body and Cap Finish \_\_\_\_\_

A = Anodize  
W = 1,000 Hour Cadmium Olive Drab  
Over Electroless Nickel

Style 3  
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**

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. 13-33 = 6.0 (152.4)

**AS85049/4 Style 3  
Environmental Backshells**



Environmental  
Backshells

**TABLE I**

Shell Size	A Thread	B Dia	G Dia	H	J Thread (plated)
	Class 2B-LH	±.015 (.4)	Max	Max	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)	3.000-0.1P-0.2L-DS

**TABLE II**

Dash No.	Shell Size	Cable Range		E Max	F Appr. Free Length
		Min	Max		
1	12	.436 (11.1)	.530 (13.5)	3.810 (96.8)	4.688 (119.1)
2	12	.406 (10.3)	.500 (12.7)	3.248 (82.5)	4.344 (110.3)
3	12	.316 (8.0)	.405 (10.3)	3.810 (96.8)	3.688 (93.7)
4	14	.560 (14.2)	.625 (15.9)	4.024 (102.2)	6.188 (157.2)
5	14	.511 (13.0)	.605 (15.4)	3.712 (94.3)	5.188 (131.8)
6	14	.430 (10.9)	.530 (13.5)	3.712 (94.3)	4.688 (119.1)
7	14	.316 (8.0)	.405 (10.3)	3.712 (94.3)	3.688 (93.7)
8	18	.715 (18.2)	.828 (21.0)	4.087 (103.8)	6.688 (169.9)
9	20	.930 (23.6)	1.055 (26.8)	4.212 (107.0)	7.688 (195.3)
10	20	.875 (22.2)	1.000 (25.4)	4.212 (107.0)	7.188 (182.6)
11	20	.787 (20.0)	.900 (22.9)	4.150 (105.4)	7.188 (182.6)
12	20	.637 (16.2)	.750 (19.1)	4.150 (105.4)	7.188 (182.6)
13	22	.984 (25.0)	1.109 (28.2)	4.212 (107.0)	7.688 (195.3)
14	22	.875 (22.2)	1.000 (25.4)	4.212 (107.0)	7.188 (182.6)
15	24	1.250 (31.8)	1.375 (34.9)	4.275 (108.6)	9.688 (246.1)
16	24	1.185 (30.1)	1.310 (33.3)	4.275 (108.6)	8.688 (220.7)
17	24	1.105 (28.1)	1.230 (31.2)	4.275 (108.6)	8.188 (208.0)
18	24	1.055 (26.8)	1.180 (30.0)	4.275 (108.6)	8.188 (208.0)
19	28	1.406 (35.7)	1.531 (38.9)	4.337 (110.2)	10.688 (271.5)
20	28	1.320 (33.5)	1.445 (36.7)	4.337 (110.2)	9.688 (246.1)
21	28	1.250 (31.8)	1.375 (34.9)	4.337 (110.2)	9.688 (246.1)
22	32	1.700 (43.2)	1.825 (46.4)	4.704 (119.5)	13.688 (347.7)
23	32	1.605 (40.8)	1.730 (43.9)	4.704 (119.5)	13.688 (347.7)
24	32	1.531 (38.9)	1.656 (42.1)	4.399 (111.7)	12.688 (322.3)
25	36	1.917 (48.7)	2.062 (52.4)	4.704 (119.5)	14.188 (360.4)
26	36	1.859 (47.2)	1.984 (50.4)	4.673 (118.7)	13.688 (347.7)
27	36	1.775 (45.1)	1.900 (48.3)	4.673 (118.7)	13.688 (347.7)
28	36	1.700 (43.2)	1.825 (46.4)	4.673 (118.7)	13.688 (347.7)
29	36	1.605 (40.8)	1.730 (43.9)	4.673 (118.7)	13.688 (347.7)
30	40	2.230 (56.6)	2.375 (60.3)	5.000 (127.0)	18.188 (462.0)
31	40	2.105 (53.5)	2.250 (57.2)	5.000 (127.0)	17.188 (436.6)
32	40	2.000 (50.8)	2.145 (54.5)	4.939 (125.5)	14.188 (360.4)
33	40	1.917 (48.7)	2.062 (52.4)	4.939 (125.5)	14.188 (360.4)