

# M85049/3 Environmental Backshell - Style 1

Ry85049 Series • M85049 Type Backshells



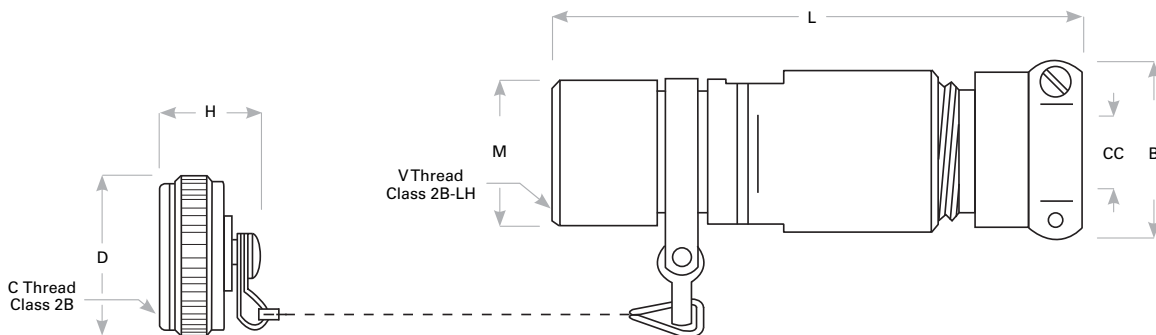
## Ry85049/3 Compatibility

### Compatible Connector Series

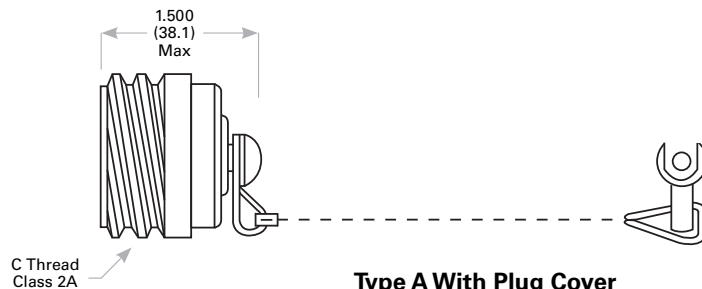
MIL-DTL-22992 Classes C, J, & R

## Ry85049/3 W 16 A 1

- 1 **BASIC PART NUMBER**  
**Ry85049/3**  
 M85049/3 Style 1 type  
 Straight environmental backshell  
 (Supersedes MS17340/MS90571 Style 1)
- 2 **MATERIAL & FINISH**  
**W** Aluminum, olive drab cadmium  
**A** Aluminum, black anodize  
**X** Aluminum, nickel fluorocarbon polymer  
**Y** Aluminum, pure dense electrodeposited aluminum  
**Z** Aluminum, zinc-nickel
- 3 **DASH NO.**  
 See dimensions table below
- 4 **TYPE**  
**A** Plug cap (for use with MS17344 type connectors)  
**B** Receptacle cap (for use with MS17343, MS17345, & MS17347 type connectors)
- 5 **STYLE**  
**1** Style 1



Type B With Receptacle Cover



Type A With Plug Cover

(Continued on next page)

Rev. 1825

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## Ry85049/3 Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B-LH	M Max	L Max	D Max	H Max	C Thread Class 2 (A & B)	CC Cable Clearance	
								Min	Max
1	12	0.7500 - 20 UNEF	0.933 (23.7)	3.365 (85.5)	1.094 (27.8)	0.765 (19.4)	0.875-0.1P-0.2L-DS	0.281 (7.1)	0.375 (9.5)
2	12	0.7500 - 20 UNEF	0.933 (23.7)	3.365 (85.5)	1.094 (27.8)	0.765 (19.4)	0.875-0.1P-0.2L-DS	0.188 (4.8)	0.281 (7.1)
3	14	0.8750 - 20 UNEF	1.057 (26.8)	3.678 (93.4)	1.219 (31.0)	0.765 (19.4)	1.000-0.1P-0.2L-DS	0.344 (8.7)	0.438 (11.1)
4	16	1.0000 - 20 UNEF	1.183 (30.0)	4.177 (106.1)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	0.511 (13.0)	0.605 (15.4)
5	16	1.0000 - 20 UNEF	1.183 (30.0)	4.177 (106.1)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	0.436 (11.1)	0.530 (13.5)
6	16	1.0000 - 20 UNEF	1.183 (30.0)	4.177 (106.1)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	0.311 (7.9)	0.405 (10.3)
7	18	1.1250 - 18 UNEF	1.307 (33.2)	4.489 (114.0)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	0.531 (13.5)	0.625 (15.9)
8	18	1.1250 - 18 UNEF	1.307 (33.2)	4.489 (114.0)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	0.605 (15.4)	0.699 (17.8)
9	18	1.1250 - 18 UNEF	1.307 (33.2)	4.489 (114.0)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	0.406 (10.3)	0.500 (12.7)
10	18	1.1250 - 18 UNEF	1.307 (33.2)	4.489 (114.0)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	0.361 (9.2)	0.455 (11.6)
11	20	1.2500 - 18 UNEF	1.433 (36.4)	4.615 (117.2)	1.562 (39.7)	0.980 (24.9)	1.375-0.1P-0.2L-DS	0.715 (18.2)	0.828 (21.0)
12	20	1.2500 - 18 UNEF	1.433 (36.4)	4.615 (117.2)	1.562 (39.7)	0.980 (24.9)	1.375-0.1P-0.2L-DS	0.449 (11.4)	0.562 (14.3)
13	22	1.3750 - 18 UNEF	1.557 (39.5)	4.647 (118.0)	1.688 (42.9)	0.980 (24.9)	1.500-0.1P-0.2L-DS	0.637 (16.2)	0.750 (19.1)
14	22	1.3750 - 18 UNEF	1.557 (39.5)	4.647 (118.0)	1.688 (42.9)	0.980 (24.9)	1.500-0.1P-0.2L-DS	0.787 (20.0)	0.900 (22.9)
15	22	1.3750 - 18 UNEF	1.557 (39.5)	4.647 (118.0)	1.688 (42.9)	0.980 (24.9)	1.500-0.1P-0.2L-DS	0.692 (17.6)	0.805 (20.4)
16	24	1.6250 - 18 UNEF	1.807 (45.9)	4.896 (124.4)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	0.930 (23.6)	1.055 (26.8)
17	24	1.6250 - 18 UNEF	1.807 (45.9)	4.896 (124.4)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	0.675 (17.1)	1.000 (25.4)
18	24	1.6250 - 18 UNEF	1.807 (45.9)	4.896 (124.4)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	0.984 (25.0)	1.109 (28.2)
19	24	1.6250 - 18 UNEF	1.807 (45.9)	4.896 (124.4)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	0.755 (19.2)	0.880 (22.4)
20	28	1.8750 - 16 UN	2.057 (52.2)	4.959 (126.0)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	1.055 (26.8)	1.180 (30.0)
21	28	1.8750 - 16 UN	2.057 (52.2)	4.959 (126.0)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	1.105 (28.1)	1.230 (31.2)
22	28	1.8750 - 16 UN	2.057 (52.2)	4.959 (126.0)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	1.185 (30.1)	1.310 (33.3)
23	32	2.0625 - 16 UNS	2.307 (58.6)	5.021 (127.5)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	1.320 (33.5)	1.455 (37.0)
24	32	2.0625 - 16 UNS	2.307 (58.6)	5.021 (127.5)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	1.406 (35.7)	1.531 (38.9)
25	32	2.0625 - 16 UNS	2.307 (58.6)	5.021 (127.5)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	1.250 (31.8)	1.375 (34.9)
26	36	2.3125 - 16 UNS	2.557 (64.9)	5.083 (129.1)	2.719 (69.1)	0.980 (24.9)	2.500-0.1P-0.2L-DS	1.531 (38.9)	1.656 (42.1)
27	36	2.3125 - 16 UNS	2.557 (64.9)	5.083 (129.1)	2.719 (69.1)	0.980 (24.9)	2.500-0.1P-0.2L-DS	1.437 (36.5)	1.562 (39.7)
28	44	2.8750 - 16 UN	3.120 (79.2)	6.471 (164.4)	3.217 (81.7)	0.980 (24.9)	3.000-0.1P-0.2L-DS	2.105 (53.5)	2.250 (57.2)
29	44	2.8750 - 16 UN	3.120 (79.2)	6.471 (164.4)	3.217 (81.7)	0.980 (24.9)	3.000-0.1P-0.2L-DS	2.025 (51.4)	2.170 (55.1)

Dimensions are in inches (mm).