

M85049/4 Step-Up Environmental Backshell - Style 1

Ry85049 Series • M85049 Type Backshells



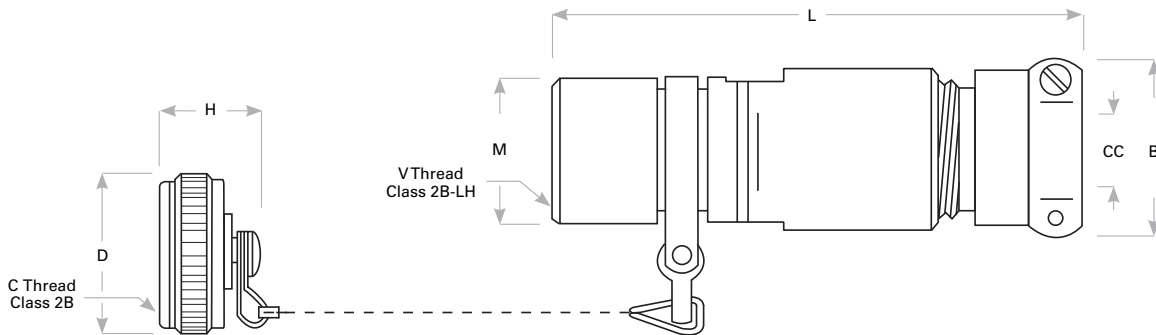
Ry85049/4 W 12 A 1

- 1 **BASIC PART NUMBER**
Ry85049/4
 M85049/4 Style 1 type
 Straight step-up environmental backshell
 (Supersedes MS17342/MS90569 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

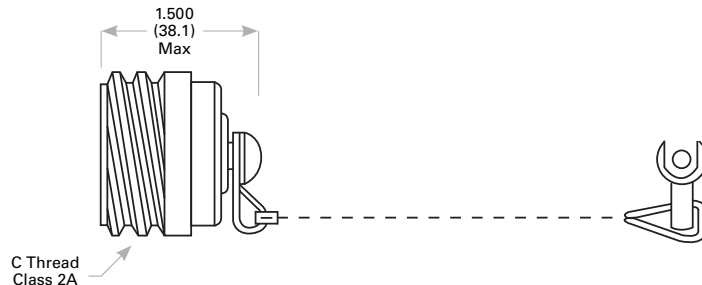
Ry85049/4 Compatibility

Compatible Connector Series

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



Type B With Receptacle Cover



Type A With Plug Cover

(Continued on next page)

Rev. 1825

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Ry85049/4 Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B	M	D	H	L	B	C Thread Class 2 (A & B)	CC Cable Clearance	
									Min	Max
1	12	0.7500 - 20 UNEF	0.933 (23.7)	1.094 (27.8)	0.765 (19.4)	4.275 (108.6)	1.375 (34.9)	0.875-0.1P-0.2L-DS	0.436 (11.1)	0.530 (13.5)
2	12	0.7500 - 20 UNEF	0.933 (23.7)	1.094 (27.8)	0.765 (19.4)	3.678 (93.4)	1.125 (28.6)	0.875-0.1P-0.2L-DS	0.406 (10.3)	0.500 (12.7)
3	12	0.7500 - 20 UNEF	0.933 (23.7)	1.094 (27.8)	0.765 (19.4)	4.275 (108.6)	1.375 (34.9)	0.875-0.1P-0.2L-DS	0.311 (7.9)	0.405 (10.3)
4	14	0.8750 - 20 UNEF	1.057 (26.8)	1.219 (31.0)	0.765 (19.4)	4.177 (106.1)	1.375 (34.9)	1.000-0.1P-0.2L-DS	0.511 (13.0)	0.605 (15.4)
5	14	0.8750 - 20 UNEF	1.057 (26.8)	1.219 (31.0)	0.765 (19.4)	4.489 (114.0)	1.562 (39.7)	1.000-0.1P-0.2L-DS	0.531 (13.5)	0.625 (15.9)
6	14	0.8750 - 20 UNEF	1.057 (26.8)	1.219 (31.0)	0.765 (19.4)	4.177 (106.1)	1.375 (34.9)	1.000-0.1P-0.2L-DS	0.436 (11.1)	0.530 (13.5)
7	14	0.8750 - 20 UNEF	1.057 (26.8)	1.219 (31.0)	0.765 (19.4)	4.177 (106.1)	1.375 (34.9)	1.000-0.1P-0.2L-DS	0.311 (7.9)	0.405 (10.3)
8	18	1.1250 - 18 UNEF	1.307 (33.2)	1.469 (37.3)	0.980 (24.9)	4.584 (116.4)	1.688 (42.9)	1.250-0.1P-0.2L-DS	0.715 (18.2)	0.828 (21.0)
9	20	1.2500 - 18 UNEF	1.433 (36.4)	1.562 (39.7)	0.980 (24.9)	4.647 (118.0)	1.812 (46.0)	1.375-0.1P-0.2L-DS	0.637 (16.2)	0.750 (19.1)
10	20	1.2500 - 18 UNEF	1.433 (36.4)	1.562 (39.7)	0.980 (24.9)	4.896 (124.4)	2.125 (54.0)	1.375-0.1P-0.2L-DS	0.875 (22.2)	1.000 (25.4)
11	20	1.2500 - 18 UNEF	1.433 (36.4)	1.562 (39.7)	0.980 (24.9)	4.647 (118.0)	1.812 (46.0)	1.375-0.1P-0.2L-DS	0.787 (20.0)	0.900 (22.9)
12	20	1.2500 - 18 UNEF	1.433 (36.4)	1.562 (39.7)	0.980 (24.9)	4.896 (124.4)	2.125 (54.0)	1.375-0.1P-0.2L-DS	0.930 (23.6)	1.055 (26.8)
13	22	1.3750 - 18 UNEF	1.557 (39.5)	1.688 (42.9)	0.980 (24.9)	4.896 (124.4)	2.125 (54.0)	1.500-0.1P-0.2L-DS	0.875 (22.2)	1.000 (25.4)
14	22	1.3750 - 18 UNEF	1.557 (39.5)	1.688 (42.9)	0.980 (24.9)	4.896 (124.4)	2.125 (54.0)	1.500-0.1P-0.2L-DS	0.984 (25.0)	1.109 (28.2)
15	24	1.6250 - 18 UNEF	1.807 (45.9)	1.938 (49.2)	0.980 (24.9)	4.959 (126.0)	2.469 (62.7)	1.750-0.1P-0.2L-DS	1.055 (26.8)	1.180 (30.0)
16	24	1.6250 - 18 UNEF	1.807 (45.9)	1.938 (49.2)	0.980 (24.9)	4.959 (126.0)	2.469 (62.7)	1.750-0.1P-0.2L-DS	1.185 (30.1)	1.310 (33.3)
17	24	1.6250 - 18 UNEF	1.807 (45.9)	1.938 (49.2)	0.980 (24.9)	4.959 (126.0)	2.469 (62.7)	1.750-0.1P-0.2L-DS	1.105 (28.1)	1.230 (31.2)
18	24	1.6250 - 18 UNEF	1.807 (45.9)	1.938 (49.2)	0.980 (24.9)	4.959 (126.0)	2.625 (66.7)	1.750-0.1P-0.2L-DS	1.250 (31.8)	1.375 (34.9)
19	28	1.8750 - 16 UN	2.057 (52.2)	2.219 (56.4)	0.980 (24.9)	5.021 (127.5)	2.625 (66.7)	2.000-0.1P-0.2L-DS	1.320 (33.5)	1.445 (36.7)
20	28	1.8750 - 16 UN	2.057 (52.2)	2.219 (56.4)	0.980 (24.9)	5.021 (127.5)	2.625 (66.7)	2.000-0.1P-0.2L-DS	1.406 (35.7)	1.531 (38.9)
21	28	1.8750 - 16 UN	2.057 (52.2)	2.219 (56.4)	0.980 (24.9)	5.021 (127.5)	2.625 (66.7)	2.000-0.1P-0.2L-DS	1.250 (31.8)	1.375 (34.9)
22	32	2.0625 - 16 UNS	2.307 (58.6)	2.469 (62.7)	0.980 (24.9)	5.083 (129.1)	2.953 (75.0)	2.250-0.1P-0.2L-DS	1.531 (38.9)	1.656 (42.1)
23	32	2.0625 - 16 UNS	2.307 (58.6)	2.469 (62.7)	0.980 (24.9)	5.385 (136.8)	3.171 (80.5)	2.250-0.1P-0.2L-DS	1.700 (43.2)	1.828 (46.4)
24	32	2.0625 - 16 UNS	2.307 (58.6)	2.469 (62.7)	0.980 (24.9)	5.083 (129.1)	2.953 (75.0)	2.250-0.1P-0.2L-DS	1.437 (36.5)	1.562 (39.7)
25	32	2.0625 - 16 UNS	2.307 (58.6)	2.469 (62.7)	0.980 (24.9)	5.385 (136.8)	3.171 (80.5)	2.250-0.1P-0.2L-DS	1.605 (40.8)	1.730 (43.9)
26	36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	0.980 (24.9)	5.354 (136.0)	3.171 (80.5)	2.500-0.1P-0.2L-DS	1.775 (45.1)	1.900 (48.3)
27	36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	0.980 (24.9)	5.354 (136.0)	3.171 (80.5)	2.500-0.1P-0.2L-DS	1.605 (40.8)	1.730 (43.9)
28	36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	0.980 (24.9)	5.354 (136.0)	3.171 (80.5)	2.500-0.1P-0.2L-DS	1.700 (43.2)	1.825 (46.4)
29	36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	0.980 (24.9)	5.354 (136.0)	3.171 (80.5)	2.500-0.1P-0.2L-DS	1.859 (47.2)	1.984 (50.4)
30	36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	0.980 (24.9)	5.385 (136.8)	3.375 (85.7)	2.500-0.1P-0.2L-DS	1.917 (48.7)	2.062 (52.4)
31	40	2.6250 - 16 UN	2.870 (72.9)	2.969 (75.4)	0.980 (24.9)	5.682 (144.3)	3.625 (92.1)	2.750-0.1P-0.2L-DS	2.230 (56.6)	2.375 (60.3)
32	40	2.6250 - 16 UN	2.870 (72.9)	2.969 (75.4)	0.980 (24.9)	5.682 (144.3)	3.500 (88.9)	2.750-0.1P-0.2L-DS	2.105 (53.5)	2.250 (57.2)
33	40	2.6250 - 16 UN	2.870 (72.9)	2.969 (75.4)	0.980 (24.9)	5.620 (142.7)	3.375 (85.7)	2.750-0.1P-0.2L-DS	2.000 (50.8)	2.145 (54.5)
34	40	2.6250 - 16 UN	2.870 (72.9)	2.969 (75.4)	0.980 (24.9)	5.620 (142.7)	3.375 (85.7)	2.750-0.1P-0.2L-DS	1.917 (48.7)	2.062 (52.4)
35	44	2.8750 - 16 UN	3.120 (79.2)	3.217 (81.7)	0.980 (24.9)	6.471 (164.4)	3.531 (89.7)	3.000-0.1P-0.2L-DS	2.183 (55.4)	2.328 (59.1)

Dimensions are in inches (mm).