

M85049/5 Step-Down Environmental Backshell - Style 3

Ry85049 Series • M85049 Type Backshells



Ry85049/5 W 16 A 3

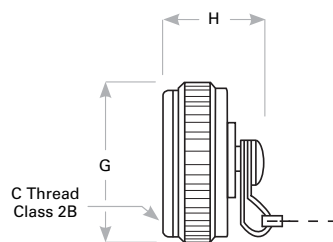
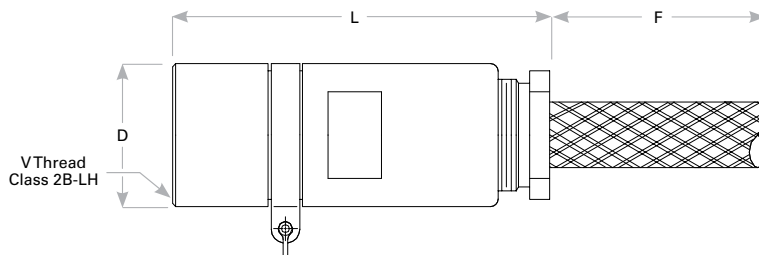


- 1 BASIC PART NUMBER**
Ry85049/5
 M85049/5 Style 3 type
 Straight step-down environmental backshell
 (Supersedes MS17341/MS90570 Style 3)
- 2 MATERIAL & FINISH**
A Aluminum, black anodize
W Aluminum, olive drab cadmium
X Aluminum, nickel fluorocarbon polymer
Y Aluminum, pure dense electrodeposited aluminum
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**
3 Style 3

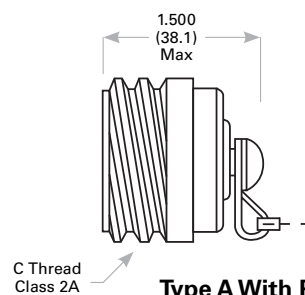
Ry85049/5 Compatibility

Compatible Connector Series

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



Type B With Receptacle Cover



Type A With Plug Cover

(Continued on next page)

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RY85049/5 Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B-LH	D	L Max	F	G Max	C Thread Class 2 (A & B)	H Max	CC Cable Clearance	
									Min	Max
1	12	0.7500 - 20 UNEF	0.933 (23.7)	2.752 (69.9)	2.406 (61.1)	1.094 (27.8)	0.875-0.1P-0.2L-DS	0.765 (19.4)	0.160 (4.1)	0.222 (5.6)
2	18	1.1250 - 18 UNEF	1.307 (33.2)	3.712 (94.3)	5.188 (131.8)	1.469 (37.3)	1.250-0.1P-0.2L-DS	0.980 (24.9)	0.511 (13.0)	0.605 (15.4)
3	18	1.1250 - 18 UNEF	1.307 (33.2)	3.712 (94.3)	4.688 (119.1)	1.469 (37.3)	1.250-0.1P-0.2L-DS	0.980 (24.9)	0.436 (11.1)	0.530 (13.5)
4	18	1.1250 - 18 UNEF	1.307 (33.2)	3.502 (89.0)	3.844 (97.6)	1.469 (37.3)	1.250-0.1P-0.2L-DS	0.980 (24.9)	0.306 (7.8)	0.375 (9.5)
5	18	1.1250 - 18 UNEF	1.307 (33.2)	3.471 (88.2)	2.844 (72.2)	1.469 (37.3)	1.250-0.1P-0.2L-DS	0.980 (24.9)	0.219 (5.6)	0.281 (7.1)
6	20	1.2500 - 18 UNEF	1.433 (36.4)	4.024 (102.2)	6.188 (157.2)	1.562 (39.7)	1.375-0.1P-0.2L-DS	0.980 (24.9)	0.605 (15.4)	0.699 (17.8)
7	20	1.2500 - 18 UNEF	1.433 (36.4)	3.841 (97.6)	5.188 (131.8)	1.562 (39.7)	1.375-0.1P-0.2L-DS	0.980 (24.9)	0.511 (13.0)	0.605 (15.4)
8	20	1.2500 - 18 UNEF	1.433 (36.4)	4.024 (102.2)	4.188 (106.4)	1.562 (39.7)	1.375-0.1P-0.2L-DS	0.980 (24.9)	0.361 (9.2)	0.455 (11.6)
9	22	1.3750 - 18 UNEF	1.557 (39.5)	4.087 (103.8)	6.688 (169.9)	1.688 (42.9)	1.500-0.1P-0.2L-DS	0.980 (24.9)	0.715 (18.2)	0.828 (21.0)
10	22	1.3750 - 18 UNEF	1.557 (39.5)	4.087 (103.8)	5.188 (131.8)	1.688 (42.9)	1.500-0.1P-0.2L-DS	0.980 (24.9)	0.449 (11.4)	0.562 (14.3)
11	22	1.3750 - 18 UNEF	1.557 (39.5)	3.841 (97.6)	3.688 (93.7)	1.688 (42.9)	1.500-0.1P-0.2L-DS	0.980 (24.9)	0.316 (8.0)	0.405 (10.3)
12	24	1.6250 - 18 UNEF	1.807 (45.9)	4.150 (105.4)	6.688 (169.9)	1.938 (49.2)	1.750-0.1P-0.2L-DS	0.980 (24.9)	0.692 (17.6)	0.805 (20.4)
13	24	1.6250 - 18 UNEF	1.807 (45.9)	4.150 (105.4)	6.688 (169.9)	1.938 (49.2)	1.750-0.1P-0.2L-DS	0.980 (24.9)	0.637 (16.2)	0.750 (19.1)
14	24	1.6250 - 18 UNEF	1.807 (45.9)	4.150 (105.4)	5.688 (144.5)	1.938 (49.2)	1.750-0.1P-0.2L-DS	0.980 (24.9)	0.517 (13.1)	0.630 (16.0)
15	28	1.8750 - 16 UN	2.057 (52.2)	4.212 (107.0)	7.688 (195.3)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.984 (25.0)	1.109 (28.2)
16	28	1.8750 - 16 UN	2.057 (52.2)	4.212 (107.0)	7.188 (182.6)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.875 (22.2)	1.000 (25.4)
17	28	1.8750 - 16 UN	2.057 (52.2)	4.212 (107.0)	6.688 (169.9)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.755 (19.2)	0.880 (22.4)
18	28	1.8750 - 16 UN	2.057 (52.2)	4.150 (105.4)	6.688 (169.9)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.637 (16.2)	0.750 (19.1)
19	28	1.8750 - 16 UN	2.057 (52.2)	4.150 (105.4)	6.688 (169.9)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.567 (14.4)	0.680 (17.3)
20	28	1.8750 - 16 UN	2.057 (52.2)	3.966 (100.7)	4.688 (119.1)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.436 (11.1)	0.530 (13.5)
21	28	1.8750 - 16 UN	2.057 (52.2)	3.799 (96.5)	3.844 (97.6)	2.219 (56.4)	2.000-0.1P-0.2L-DS	0.980 (24.9)	0.306 (7.8)	0.375 (9.5)
22	32	2.0625 - 16 UNS	2.307 (58.6)	4.275 (108.6)	8.188 (208.0)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	1.105 (28.1)	1.230 (31.2)
23	32	2.0625 - 16 UNS	2.307 (58.6)	4.275 (108.6)	7.188 (182.6)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	1.005 (25.5)	1.130 (28.7)
24	32	2.0625 - 16 UNS	2.307 (58.6)	4.212 (107.0)	7.688 (195.3)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	0.930 (23.6)	1.055 (26.8)
25	32	2.0625 - 16 UNS	2.307 (58.6)	4.150 (105.4)	7.188 (182.6)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	0.857 (21.8)	0.970 (24.6)
26	32	2.0625 - 16 UNS	2.307 (58.6)	4.212 (107.0)	6.688 (169.9)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	0.755 (19.2)	0.880 (22.4)
27	32	2.0625 - 16 UNS	2.307 (58.6)	4.150 (105.4)	6.688 (169.9)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	0.637 (16.2)	0.750 (19.1)
28	32	2.0625 - 16 UNS	2.307 (58.6)	3.966 (100.7)	4.688 (119.1)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	0.436 (11.1)	0.530 (13.5)
29	32	2.0625 - 16 UNS	2.307 (58.6)	3.846 (97.7)	3.844 (97.6)	2.469 (62.7)	2.250-0.1P-0.2L-DS	0.980 (24.9)	0.306 (7.8)	0.375 (9.5)
30	36	2.3125 - 16 UNS	2.557 (64.9)	4.337 (110.2)	9.688 (246.1)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	1.320 (33.5)	1.445 (36.7)
31	36	2.3125 - 16 UNS	2.557 (64.9)	4.337 (110.2)	9.688 (246.1)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	1.250 (31.8)	1.375 (34.9)
32	36	2.3125 - 16 UNS	2.557 (64.9)	4.275 (108.6)	8.688 (220.7)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	1.185 (30.1)	1.310 (33.3)
33	36	2.3125 - 16 UNS	2.557 (64.9)	4.275 (108.6)	8.188 (208.0)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	1.105 (28.1)	1.230 (31.2)
34	36	2.3125 - 16 UNS	2.557 (64.9)	4.275 (108.6)	8.188 (208.0)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	1.055 (26.8)	1.180 (30.0)
35	36	2.3125 - 16 UNS	2.557 (64.9)	4.212 (107.0)	7.688 (195.3)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	0.984 (25.0)	1.109 (28.2)
36	36	2.3125 - 16 UNS	2.557 (64.9)	4.154 (105.5)	7.188 (182.6)	2.719 (69.1)	2.500-0.1P-0.2L-DS	0.980 (24.9)	0.857 (21.8)	0.970 (24.6)
37	40	2.6250 - 16 UN	2.875 (73.0)	5.673 (144.1)	13.688 (347.7)	2.969 (75.4)	2.750-0.1P-0.2L-DS	0.980 (24.9)	1.815 (46.1)	1.940 (49.3)
38	40	2.6250 - 16 UN	2.875 (73.0)	5.673 (144.1)	13.688 (347.7)	2.969 (75.4)	2.750-0.1P-0.2L-DS	0.980 (24.9)	1.700 (43.2)	1.825 (46.4)
39	40	2.6250 - 16 UN	2.875 (73.0)	5.673 (144.1)	13.688 (347.7)	2.969 (75.4)	2.750-0.1P-0.2L-DS	0.980 (24.9)	1.605 (40.8)	1.730 (43.9)
40	40	2.6250 - 16 UN	2.875 (73.0)	5.373 (136.5)	12.688 (322.3)	2.969 (75.4)	2.750-0.1P-0.2L-DS	0.980 (24.9)	1.531 (38.9)	1.656 (42.1)
41	44	2.8750 - 16 UN	3.125 (79.4)	5.673 (144.1)	14.188 (360.4)	3.217 (81.7)	3.000-0.1P-0.2L-DS	0.980 (24.9)	1.862 (47.3)	2.000 (50.8)
42	44	2.8750 - 16 UN	3.125 (79.4)	4.594 (116.7)	12.688 (322.3)	3.217 (81.7)	3.000-0.1P-0.2L-DS	0.980 (24.9)	1.775 (45.1)	1.900 (48.3)

Dimensions are in inches (mm).

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