

M85049/4 Step-Up Environmental Backshell - Style 2

R Y85049 Series • M85049 Type Backshells



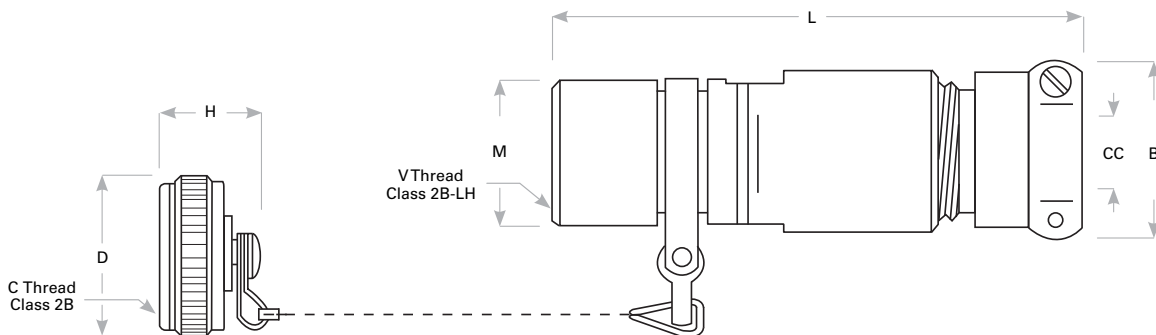
R Y85049/4 Compatibility

Compatible Connector Series

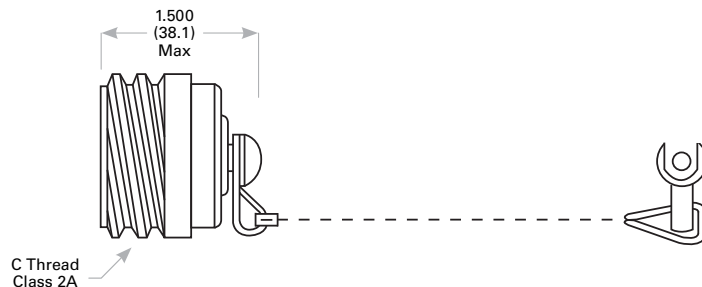
MIL-DTL-22992 Classes C, J, & R

R Y85049/4 W 12 A 2

- 1 **BASIC PART NUMBER**
R Y85049/4
M85049/4 Style 2 type
Straight step-up environmental backshell
(Supersedes MS17342/MS90569 Style 2)
- 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**
2 Style 2



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	B	M	L	D	H	C Thread Class 2 (A & B)	CC Cable Clearance	
									Min	Max
1	12	0.7500 - 20 UNEF	1.219 (31.0)	0.933 (23.7)	4.000 (101.6)	1.094 (27.8)	0.765 (19.4)	0.875-0.1P-0.2L-DS	0.321 (8.2)	0.521 (13.2)
2	14	0.8750 - 20 UNEF	1.344 (34.1)	1.057 (26.8)	4.100 (104.1)	1.219 (31.0)	0.765 (19.4)	1.000-0.1P-0.2L-DS	0.446 (11.3)	0.646 (16.4)
3	16	1.0000 - 20 UNEF	1.469 (37.3)	1.183 (30.0)	4.800 (121.9)	1.344 (34.1)	0.980 (24.9)	1.125-0.1P-0.2L-DS	0.565 (14.4)	0.765 (19.4)
4	18	1.1250 - 18 UNEF	1.625 (41.3)	1.307 (33.2)	4.900 (124.5)	1.469 (37.3)	0.980 (24.9)	1.250-0.1P-0.2L-DS	0.690 (17.5)	0.890 (22.6)
5	20	1.2500 - 18 UNEF	1.750 (44.5)	1.433 (36.4)	4.900 (124.5)	1.562 (39.7)	0.980 (24.9)	1.375-0.1P-0.2L-DS	0.815 (20.7)	1.015 (25.8)
6	22	1.3750 - 18 UNEF	2.000 (50.8)	1.557 (39.5)	4.900 (124.5)	1.688 (42.9)	0.980 (24.9)	1.500-0.1P-0.2L-DS	0.980 (24.9)	1.180 (30.0)
7	24	1.6250 - 18 UNEF	2.250 (57.2)	1.807 (45.9)	5.000 (127.0)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	1.230 (31.2)	1.430 (36.3)
8	24	1.6250 - 18 UNEF	2.250 (57.2)	1.807 (45.9)	5.000 (127.0)	1.938 (49.2)	0.980 (24.9)	1.750-0.1P-0.2L-DS	1.030 (26.2)	1.230 (31.2)
9	28	1.8750 - 16 UN	2.500 (63.5)	2.057 (52.2)	5.300 (134.6)	2.219 (56.4)	0.980 (24.9)	2.000-0.1P-0.2L-DS	1.430 (36.3)	1.670 (42.4)
10	32	2.0625 - 16 UNS	2.750 (69.9)	2.307 (58.6)	5.600 (142.2)	2.469 (62.7)	0.980 (24.9)	2.250-0.1P-0.2L-DS	1.660 (42.2)	1.860 (47.2)
11	36	2.3125 - 16 UNS	3.062 (77.8)	2.557 (64.9)	5.725 (145.4)	2.719 (69.1)	0.980 (24.9)	2.500-0.1P-0.2L-DS	1.860 (47.2)	2.110 (53.6)
12	40	2.6250 - 16 UN	3.437 (87.3)	2.870 (72.9)	5.725 (145.4)	2.969 (75.4)	0.980 (24.9)	2.750-0.1P-0.2L-DS	2.200 (55.9)	2.400 (61.0)
13	40	2.6250 - 16 UN	3.437 (87.3)	2.870 (72.9)	5.725 (145.4)	2.969 (75.4)	0.980 (24.9)	2.750-0.1P-0.2L-DS	2.200 (55.9)	2.200 (55.9)

Dimensions are in inches (mm).

