

M85049/5 Step-Down Environmental Backshell - Style 2

Ry85049 Series • M85049 Type Backshells



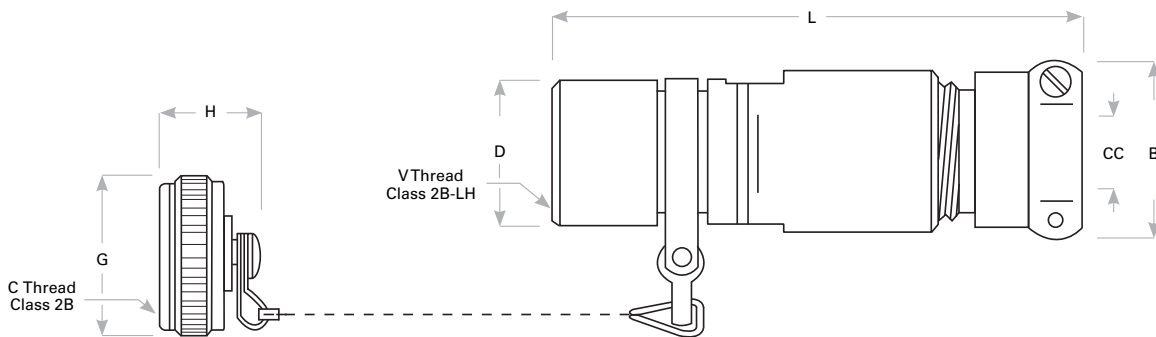
Ry85049/5 Compatibility

Compatible Connector Series

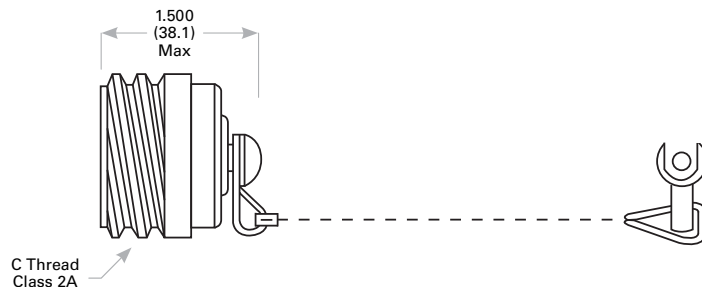
MIL-DTL-22992 Classes C, J, & R

Ry85049/5 W 12 A 2

- 1 **BASIC PART NUMBER**
Ry85049/5
 M85049/5 Style 2 type
 Straight step-down environmental backshell
 (Supersedes MS17341/MS90570 Style 2)
- 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**
2 Style 2



Type B With Receptacle Cover



Type A With Plug Cover

(Continued on next page)

Rev. 1825

M85049/5 Step-Down Environmental Backshell - Style 2

R_Y85049 Series • M85049 Type Backshells

R_Y85049/5 Dimensions (Continued from previous page)

| Dash No. | Shell Size | V Thread Class 2B-LH | D | L Max | B | 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) | 4.000 (101.6) | 0.969 (24.6) | 1.094 (27.8) | 0.875-0.1P-0.2L-DS | 0.765 (19.4) | 0.130 (3.3) | 0.280 (7.1) |
| 2 | 14 | 0.8750 - 20 UNEF | 1.057 (26.8) | 4.100 (104.1) | 1.094 (27.8) | 1.219 (31.0) | 1.000-0.1P-0.2L-DS | 0.765 (19.4) | 0.246 (6.2) | 0.396 (10.1) |
| 3 | 16 | 1.0000 - 20 UNEF | 1.183 (30.0) | 4.400 (111.8) | 1.219 (31.0) | 1.344 (34.1) | 1.125-0.1P-0.2L-DS | 0.980 (24.9) | 0.321 (8.2) | 0.521 (13.2) |
| 4 | 18 | 1.1250 - 18 UNEF | 1.307 (33.2) | 4.600 (116.8) | 1.344 (34.1) | 1.469 (37.3) | 1.250-0.1P-0.2L-DS | 0.980 (24.9) | 0.446 (11.3) | 0.646 (16.4) |
| 5 | 18 | 1.1250 - 18 UNEF | 1.307 (33.2) | 4.600 (116.8) | 1.344 (34.1) | 1.469 (37.3) | 1.250-0.1P-0.2L-DS | 0.980 (24.9) | 0.300 (7.6) | 0.475 (12.1) |
| 6 | 20 | 1.2500 - 18 UNEF | 1.433 (36.4) | 4.900 (124.5) | 1.469 (37.3) | 1.562 (39.7) | 1.375-0.1P-0.2L-DS | 0.980 (24.9) | 0.565 (14.4) | 0.765 (19.4) |
| 7 | 20 | 1.2500 - 18 UNEF | 1.433 (36.4) | 4.900 (124.5) | 1.469 (37.3) | 1.562 (39.7) | 1.375-0.1P-0.2L-DS | 0.980 (24.9) | 0.400 (10.2) | 0.600 (15.2) |
| 8 | 22 | 1.3750 - 18 UNEF | 1.557 (39.5) | 4.900 (124.5) | 1.625 (41.3) | 1.688 (42.9) | 1.500-0.1P-0.2L-DS | 0.980 (24.9) | 0.690 (17.5) | 0.890 (22.6) |
| 9 | 22 | 1.3750 - 18 UNEF | 1.557 (39.5) | 4.900 (124.5) | 1.625 (41.3) | 1.688 (42.9) | 1.500-0.1P-0.2L-DS | 0.980 (24.9) | 0.500 (12.7) | 0.700 (17.8) |
| 10 | 22 | 1.3750 - 18 UNEF | 1.557 (39.5) | 4.900 (124.5) | 1.625 (41.3) | 1.688 (42.9) | 1.500-0.1P-0.2L-DS | 0.980 (24.9) | 0.400 (10.2) | 0.525 (13.3) |
| 11 | 24 | 1.6250 - 18 UNEF | 1.807 (45.9) | 5.000 (127.0) | 1.750 (44.5) | 1.938 (49.2) | 1.750-0.1P-0.2L-DS | 0.980 (24.9) | 0.815 (20.7) | 1.015 (25.8) |
| 12 | 24 | 1.6250 - 18 UNEF | 1.807 (45.9) | 5.000 (127.0) | 1.750 (44.5) | 1.938 (49.2) | 1.750-0.1P-0.2L-DS | 0.980 (24.9) | 0.595 (15.1) | 0.815 (20.7) |
| 13 | 28 | 1.8750 - 16 UN | 2.057 (52.2) | 5.300 (134.6) | 2.000 (50.8) | 2.219 (56.4) | 2.000-0.1P-0.2L-DS | 0.980 (24.9) | 0.980 (24.9) | 1.180 (30.0) |
| 14 | 28 | 1.8750 - 16 UN | 2.057 (52.2) | 5.300 (134.6) | 2.000 (50.8) | 2.219 (56.4) | 2.000-0.1P-0.2L-DS | 0.980 (24.9) | 0.780 (19.8) | 0.980 (24.9) |
| 15 | 32 | 2.0625 - 16 UNS | 2.307 (58.6) | 5.600 (142.2) | 2.250 (57.2) | 2.469 (62.7) | 2.250-0.1P-0.2L-DS | 0.980 (24.9) | 1.230 (31.2) | 1.430 (36.3) |
| 16 | 32 | 2.0625 - 16 UNS | 2.307 (58.6) | 5.600 (142.2) | 2.250 (57.2) | 2.469 (62.7) | 2.250-0.1P-0.2L-DS | 0.980 (24.9) | 1.030 (26.2) | 1.230 (31.2) |
| 17 | 36 | 2.3125 - 16 UNS | 2.557 (64.9) | 5.600 (142.2) | 2.500 (63.5) | 2.719 (69.1) | 2.500-0.1P-0.2L-DS | 0.980 (24.9) | 1.470 (37.3) | 1.670 (42.4) |
| 18 | 36 | 2.3125 - 16 UNS | 2.557 (64.9) | 5.600 (142.2) | 2.500 (63.5) | 2.719 (69.1) | 2.500-0.1P-0.2L-DS | 0.980 (24.9) | 1.270 (32.3) | 1.470 (37.3) |
| 19 | 40 | 2.6250 - 16 UN | 2.870 (72.9) | 5.725 (145.4) | 2.750 (69.9) | 2.969 (75.4) | 2.750-0.1P-0.2L-DS | 0.980 (24.9) | 1.660 (42.2) | 1.860 (47.2) |
| 20 | 40 | 2.6250 - 16 UN | 2.870 (72.9) | 5.725 (145.4) | 2.750 (69.9) | 2.969 (75.4) | 2.750-0.1P-0.2L-DS | 0.980 (24.9) | 1.400 (35.6) | 1.660 (42.2) |

Dimensions are in inches (mm).

