

M85049/10 EMI/RFI Environmental Backshell

R_Y85049 Series • M85049 Type Backshells



R_Y85049/10 - 16 W

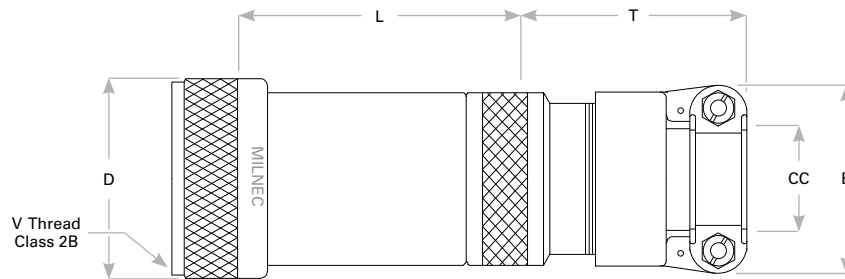
- 1 **BASIC PART NUMBER**
R_Y85049/10
 M85049/10 type
 Straight EMI/RFI environmental backshell
 (Supersedes MS3437A)
- 2 **DASH NO.**
 See dimensions table below
- 3 **MATERIAL & FINISH**

B	Stainless steel, black cadmium
N	Aluminum, electroless nickel
S	Stainless steel, passivated
W	Aluminum, olive drab cadmium over electroless nickel
X	Aluminum, nickel fluorocarbon polymer
Z	Aluminum, zinc-nickel
XS	Stainless steel, nickel fluorocarbon polymer
ZS	Stainless steel, black zinc-nickel

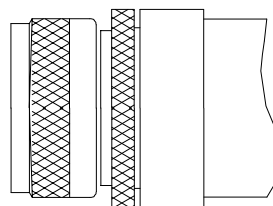
R_Y85049/10 Compatibility

Compatible Connector Series

AS50151 Series 34001, MIL-DTL-26482 Series II, AS81703 Series III, MIL-DTL-83723 Series I & III, 40M39569, DEF 5326-3, EN 2997, EN 3646, ESC 10, ESC 11, LN 29504, NFC93422 Series HE302, PAN 6432-1, PAN 6432-2, PATT 602



Style 1



Style 2

(Continued on next page)

Rev. 1825

M85049/10 EMI/RFI Environmental Backshell

Ry85049 Series • M85049 Type Backshells

RY85049/10 Dimensions (Continued from previous page)

Dash No.	Shell Size	Shell Style	V Thread Class 2B	D	L Max	T	B Max	M85049/42 Ref	CC Cable Clearance	
									Min	Max
1	3	1	0.562 - 24 UNEF	0.670 (17.0)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.250 (6.4)
2	3	1	0.562 - 24 UNEF	0.670 (17.0)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.250 (6.4)
3	3	2	0.562 - 24 UNEF	0.670 (17.0)	2.875 (73.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
4	3	2	0.562 - 24 UNEF	0.670 (17.0)	3.875 (98.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
5	8	1	0.500 - 20 UNF	0.620 (15.7)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.250 (6.4)
6	8	1	0.500 - 20 UNF	0.620 (15.7)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.250 (6.4)
7	8	2	0.500 - 20 UNF	0.620 (15.7)	2.875 (73.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
8	8	2	0.500 - 20 UNF	0.620 (15.7)	3.875 (98.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
9	10	1	0.625 - 24 UNEF	0.730 (18.5)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
10	10	1	0.625 - 24 UNEF	0.730 (18.5)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
11	10	2	0.625 - 24 UNEF	0.730 (18.5)	2.875 (73.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
12	10	2	0.625 - 24 UNEF	0.730 (18.5)	3.875 (98.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
13	12	1	0.750 - 20 UNEF	0.860 (21.8)	2.125 (54.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
14	12	1	0.750 - 20 UNEF	0.860 (21.8)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
15	12	2	0.750 - 20 UNEF	0.860 (21.8)	2.875 (73.0)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
16	12	2	0.750 - 20 UNEF	0.860 (21.8)	3.875 (98.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
17	14	1	0.875 - 20 UNEF	0.980 (24.9)	2.125 (54.0)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.575 (14.6)
18	14	1	0.875 - 20 UNEF	0.980 (24.9)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.575 (14.6)
19	14	2	0.875 - 20 UNEF	0.980 (24.9)	2.875 (73.0)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
20	14	2	0.875 - 20 UNEF	0.980 (24.9)	3.875 (98.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
21	16	1	1.000 - 20 UNEF	1.110 (28.2)	2.125 (54.0)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.700 (17.8)
22	16	1	1.000 - 20 UNEF	1.110 (28.2)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.700 (17.8)
23	16	2	1.000 - 20 UNEF	1.110 (28.2)	2.875 (73.0)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
24	16	2	1.000 - 20 UNEF	1.110 (28.2)	3.875 (98.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
25	18	1	1.062 - 18 UNEF	1.220 (31.0)	2.125 (54.0)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
26	18	1	1.062 - 18 UNEF	1.220 (31.0)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
27	18	1	1.062 - 18 UNEF	1.220 (31.0)	2.125 (54.0)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
28	18	1	1.062 - 18 UNEF	1.220 (31.0)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
29	18	2	1.062 - 18 UNEF	1.220 (31.0)	2.875 (73.0)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
30	18	2	1.062 - 18 UNEF	1.220 (31.0)	3.875 (98.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
31	20	1	1.188 - 18 UNEF	1.340 (34.0)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
32	20	1	1.188 - 18 UNEF	1.340 (34.0)	4.125 (104.8)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
33	20	1	1.188 - 18 UNEF	1.340 (34.0)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
34	20	1	1.188 - 18 UNEF	1.340 (34.0)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
35	20	2	1.188 - 18 UNEF	1.340 (34.0)	3.875 (98.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
36	20	2	1.188 - 18 UNEF	1.340 (34.0)	4.875 (123.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
37	20	2	1.188 - 18 UNEF	1.340 (34.0)	3.875 (98.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
38	20	2	1.188 - 18 UNEF	1.340 (34.0)	4.875 (123.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
39	22	1	1.313 - 18 UNEF	1.470 (37.3)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
40	22	1	1.313 - 18 UNEF	1.470 (37.3)	4.125 (104.8)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
41	22	1	1.313 - 18 UNEF	1.470 (37.3)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
42	22	1	1.313 - 18 UNEF	1.470 (37.3)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
43	22	1	1.313 - 18 UNEF	1.470 (37.3)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
44	22	1	1.313 - 18 UNEF	1.470 (37.3)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
45	22	2	1.313 - 18 UNEF	1.470 (37.3)	3.875 (98.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
46	22	2	1.313 - 18 UNEF	1.470 (37.3)	4.875 (123.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
47	24	1	1.438 - 18 UNEF	1.590 (40.4)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)

Dimensions are in inches (mm). Denotes Style 2.

(Continued on next page)

M85049/10 EMI/RFI Environmental Backshell

RY85049 Series • M85049 Type Backshells

RY85049/10 Dimensions (Continued from previous page)

Dash No.	Shell Size	Shell Style	V Thread Class 2B	D	L Max	T	B Max	M85049/42 Ref	Cable Clearance	
									Min	Max
48	24	1	1.438 - 18 UNEF	1.590 (40.4)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
49	24	1	1.438 - 18 UNEF	1.590 (40.4)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.812 (20.6)
50	24	1	1.438 - 18 UNEF	1.590 (40.4)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.812 (20.6)
51	24	1	1.438 - 18 UNEF	1.590 (40.4)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
52	24	1	1.438 - 18 UNEF	1.590 (40.4)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
53	24	2	1.438 - 18 UNEF	1.590 (40.4)	3.875 (98.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
54	24	2	1.438 - 18 UNEF	1.590 (40.4)	4.875 (123.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
55	28	1	1.750 - 18 UNS	1.970 (50.0)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
56	28	1	1.750 - 18 UNS	1.970 (50.0)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
57	28	1	1.750 - 18 UNS	1.970 (50.0)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
58	28	1	1.750 - 18 UNS	1.970 (50.0)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
59	28	1	1.750 - 18 UNS	1.970 (50.0)	3.125 (79.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
60	28	1	1.750 - 18 UNS	1.970 (50.0)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
61	28	1	1.750 - 18 UNS	1.970 (50.0)	3.125 (79.4)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
62	28	1	1.750 - 18 UNS	1.970 (50.0)	4.126 (104.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
63	32	1	2.000 - 18 UNS	2.220 (56.4)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
64	32	1	2.000 - 18 UNS	2.220 (56.4)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
65	32	1	2.000 - 18 UNS	2.220 (56.4)	3.125 (79.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
66	32	1	2.000 - 18 UNS	2.220 (56.4)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
67	32	1	2.000 - 18 UNS	2.220 (56.4)	3.125 (79.4)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
68	32	1	2.000 - 18 UNS	2.220 (56.4)	4.125 (104.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
69	32	1	2.000 - 18 UNS	2.220 (56.4)	3.125 (79.4)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
70	32	1	2.000 - 18 UNS	2.220 (56.4)	4.125 (104.8)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
71	36	1	2.250 - 16 UN	2.470 (62.7)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
72	36	1	2.250 - 16 UN	2.470 (62.7)	5.125 (130.2)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
73	36	1	2.250 - 16 UN	2.470 (62.7)	4.125 (104.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
74	36	1	2.250 - 16 UN	2.470 (62.7)	5.125 (130.2)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
75	36	1	2.250 - 16 UN	2.470 (62.7)	4.125 (104.8)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
76	36	1	2.250 - 16 UN	2.470 (62.7)	5.125 (130.2)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
77	36	2	2.250 - 16 UN	2.470 (62.7)	5.000 (127.0)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
78	36	2	2.250 - 16 UN	2.470 (62.7)	6.000 (152.4)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
79	40	1	2.500 - 16 UN	2.720 (69.1)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
80	40	1	2.500 - 16 UN	2.720 (69.1)	5.125 (130.2)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
81	40	1	2.500 - 16 UN	2.720 (69.1)	4.125 (104.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
82	40	1	2.500 - 16 UN	2.720 (69.1)	5.125 (130.2)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
83	40	1	2.500 - 16 UN	2.720 (69.1)	4.125 (104.8)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
84	40	1	2.500 - 16 UN	2.720 (69.1)	5.125 (130.2)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
85	40	1	2.500 - 16 UN	2.720 (69.1)	4.125 (104.8)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
86	40	1	2.500 - 16 UN	2.720 (69.1)	5.125 (130.2)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
87	44	1	2.750 - 16 UN	2.970 (75.4)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
88	44	1	2.750 - 16 UN	2.970 (75.4)	5.125 (130.2)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
89	44	1	2.750 - 16 UN	2.970 (75.4)	4.125 (104.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
90	44	1	2.750 - 16 UN	2.970 (75.4)	5.125 (130.2)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
91	44	1	2.750 - 16 UN	2.970 (75.4)	4.125 (104.8)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
92	44	1	2.750 - 16 UN	2.970 (75.4)	5.125 (130.2)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
93	44	1	2.750 - 16 UN	2.970 (75.4)	4.125 (104.8)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
94	44	1	2.750 - 16 UN	2.970 (75.4)	5.125 (130.2)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
95	48	1	3.000 - 16 UN	3.220 (81.8)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)

Dimensions are in inches (mm).

(Continued on next page)

Rev. 1825

M85049/10 EMI/RFI Environmental Backshell

RY85049 Series • M85049 Type Backshells

RY85049/10 Dimensions (Continued from previous page)

Dash No.	Shell Size	Shell Style	V Thread Class 2B	D	L Max	T	B Max	M85049/42 Ref	Cable Clearance	
									Min	Max
96	48	1	3.000 - 16 UN	3.220 (81.8)	5.125 (130.2)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
97	48	1	3.000 - 16 UN	3.220 (81.8)	4.125 (104.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
98	48	1	3.000 - 16 UN	3.220 (81.8)	5.125 (130.2)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
99	48	1	3.000 - 16 UN	3.220 (81.8)	4.125 (104.8)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
100	48	1	3.000 - 16 UN	3.220 (81.8)	5.125 (130.2)	2.550 (64.8)	2.770 (70.4)	28	1.250 (31.8)	1.625 (41.3)
101	48	1	3.000 - 16 UN	3.220 (81.8)	4.125 (104.8)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
102	48	1	3.000 - 16 UN	3.220 (81.8)	5.125 (130.2)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.875 (47.6)
103	61	1	1.500 - 18 UNEF	1.650 (41.9)	3.125 (79.4)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
104	61	1	1.500 - 18 UNEF	1.650 (41.9)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
105	61	1	1.500 - 18 UNEF	1.650 (41.9)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
106	61	1	1.500 - 18 UNEF	1.650 (41.9)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
107	61	2	1.500 - 18 UNEF	1.650 (41.9)	3.875 (98.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
108	61	2	1.500 - 18 UNEF	1.650 (41.9)	4.875 (123.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.250 (31.8)
109	61	2	1.500 - 18 UNEF	1.650 (41.9)	3.875 (98.4)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
110	61	2	1.500 - 18 UNEF	1.650 (41.9)	4.875 (123.8)	2.024 (51.4)	2.363 (60.0)	24	1.000 (25.4)	1.375 (34.9)
111	12	1	0.750 - 20 UNEF	0.860 (21.8)	2.125 (54.0)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.500 (12.7)
112	16	1	1.000 - 20 UNEF	1.110 (28.2)	2.125 (54.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
113	16	1	1.000 - 20 UNEF	1.110 (28.2)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
114	12	1	0.750 - 20 UNEF	0.860 (21.8)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
115	12	1	0.750 - 20 UNEF	0.860 (21.8)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
116	14	1	0.875 - 20 UNEF	0.980 (24.9)	2.125 (54.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
117	14	1	0.875 - 20 UNEF	0.980 (24.9)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
118	16	1	1.000 - 20 UNEF	1.110 (28.2)	2.125 (54.0)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
119	16	1	1.000 - 20 UNEF	1.110 (28.2)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
120	18	1	1.062 - 18 UNEF	1.220 (31.0)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
121	18	1	1.062 - 18 UNEF	1.220 (31.0)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
122	18	1	1.062 - 18 UNEF	1.220 (31.0)	2.125 (54.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
123	18	1	1.062 - 18 UNEF	1.220 (31.0)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
124	20	1	1.188 - 18 UNEF	1.340 (34.0)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
125	20	1	1.188 - 18 UNEF	1.340 (34.0)	4.125 (104.8)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
126	22	1	1.313 - 18 UNEF	1.470 (37.3)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
127	22	1	1.313 - 18 UNEF	1.470 (37.3)	4.125 (104.8)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
128	22	1	1.313 - 18 UNEF	1.470 (37.3)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
129	22	1	1.313 - 18 UNEF	1.470 (37.3)	4.125 (104.8)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.437 (11.1)
130	24	1	1.438 - 18 UNEF	1.590 (40.4)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
131	24	1	1.438 - 18 UNEF	1.590 (40.4)	4.125 (104.8)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.625 (15.9)
132	36	1	2.250 - 16 UN	2.470 (62.7)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
133	36	1	2.250 - 16 UN	2.470 (62.7)	5.125 (130.2)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
134	40	1	2.500 - 16 UN	2.720 (69.1)	4.125 (104.8)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
135	40	1	2.500 - 16 UN	2.720 (69.1)	5.125 (130.2)	1.916 (48.7)	1.551 (39.4)	12	0.500 (12.7)	0.750 (19.1)
136	10	1	0.625 - 24 UNEF	0.730 (18.5)	2.125 (54.0)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.375 (9.5)
137	10	1	0.625 - 24 UNEF	0.730 (18.5)	3.125 (79.4)	1.544 (39.2)	1.145 (29.1)	6	0.250 (6.4)	0.375 (9.5)
138	12	1	0.750 - 20 UNEF	0.860 (21.8)	2.125 (54.0)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.500 (12.7)
139	12	1	0.750 - 20 UNEF	0.860 (21.8)	3.125 (79.4)	1.844 (46.8)	1.332 (33.8)	10	0.350 (8.9)	0.500 (12.7)
140	20	1	1.188 - 18 UNEF	1.340 (34.0)	3.125 (79.4)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.904 (23.0)
141	20	1	1.188 - 18 UNEF	1.340 (34.0)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.904 (23.0)
142	22	1	1.313 - 18 UNEF	1.470 (37.3)	3.125 (79.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.029 (26.1)
143	22	1	1.313 - 18 UNEF	1.470 (37.3)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.029 (26.1)

Dimensions are in inches (mm).

(Continued on next page)

Rev. 1825

M85049/10 EMI/RFI Environmental Backshell

RY85049 Series • M85049 Type Backshells

RY85049/10 Dimensions (Continued from previous page)

Dash No.	Shell Size	Shell Style	V Thread Class 2B	D	L Max	T	B Max	M85049/42 Ref	Cable Clearance	
									Min	Max
144	24	1	1.438 - 18 UNEF	1.590 (40.4)	3.125 (79.4)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.144 (29.1)
145	24	1	1.438 - 18 UNEF	1.590 (40.4)	4.125 (104.8)	2.230 (56.6)	2.113 (53.7)	20	0.875 (22.2)	1.144 (29.1)
146	36	1	2.250 - 16 UN	2.470 (62.7)	4.125 (104.8)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.840 (46.7)
147	36	1	2.250 - 16 UN	2.470 (62.7)	5.125 (130.2)	2.600 (66.0)	3.020 (76.7)	32	1.437 (36.5)	1.840 (46.7)
148	36	1	2.250 - 16 UN	2.470 (62.7)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
149	36	1	2.250 - 16 UN	2.470 (62.7)	5.125 (130.2)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
150	14	1	0.875 - 20 UNEF	0.980 (24.9)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
151	14	1	0.875 - 20 UNEF	0.980 (24.9)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
152	16	1	1.000 - 20 UNEF	1.110 (28.2)	2.125 (54.0)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
153	16	1	1.000 - 20 UNEF	1.110 (28.2)	3.125 (79.4)	1.544 (39.2)	0.957 (24.3)	4	0.125 (3.2)	0.312 (7.9)
154	44	1	2.750 - 16 UN	2.970 (75.4)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
155	44	1	2.750 - 16 UN	2.970 (75.4)	5.125 (130.2)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
156	40	1	2.500 - 16 UN	2.720 (69.1)	4.125 (104.8)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)
157	40	1	2.500 - 16 UN	2.720 (69.1)	5.125 (130.2)	2.000 (50.8)	1.770 (45.0)	16	0.625 (15.9)	0.937 (23.8)

Dimensions are in inches (mm).

