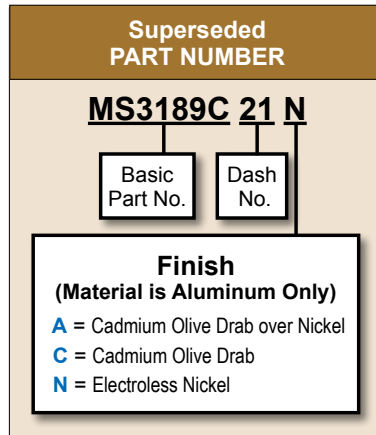
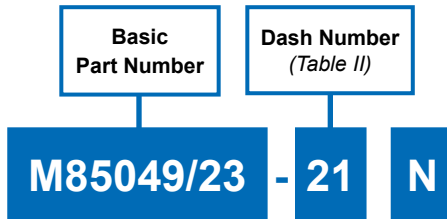




AS85049/23 and MS3189C 45° EMI/RFI Non-Environmental Backshell

CONNECTOR DESIGNATOR:	
A	AS50151 Series AS34001 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



Finish / Material

B = Black Cadmium / Stainless Steel
N = Electroless Nickel / Aluminum
S = Passivated / Stainless Steel
W = 1,000 Hr. Cadmium Olive Drab over Electroless Nickel / Aluminum
X = Aluminum, Nickel Fluorocarbon Polymer
Z = Aluminum, Zinc-Nickel, Black
XS = Stainless Steel, Nickel Fluorocarbon Polymer
ZS = Stainless Steel, Zinc-Nickel, Black

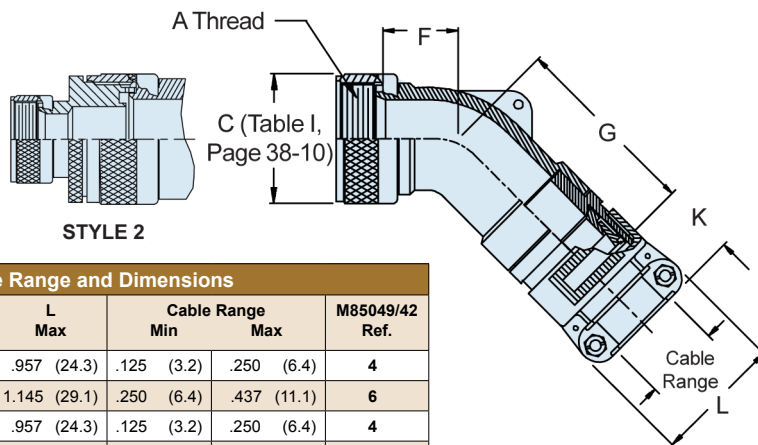


TABLE II: Dash Number, Cable Range and Dimensions								
Dash No.	Shell Size	F Max	G Max	K Ref.	L Max	Cable Range		M85049/42 Ref.
						Min	Max	
1	3	.687 (17.4)	1.915 (48.6)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	4
2	3	1.500 (38.1)	2.035 (51.7)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
3	8	.625 (15.9)	1.307 (33.2)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	4
4	10	.687 (17.4)	1.975 (50.2)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
5	10	.687 (17.4)	1.370 (34.8)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.375 (9.5)	6
6	12	.750 (19.1)	2.035 (51.7)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
7	12	.750 (19.1)	2.035 (51.7)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
8	12	.750 (19.1)	2.035 (51.7)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.500 (12.7)	10
9	14	.812 (20.6)	2.125 (54.0)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
10	14	.812 (20.6)	1.780 (45.2)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.575 (14.6)	10
11	16	.906 (23.0)	2.235 (56.8)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
12	16	.906 (23.0)	1.875 (47.6)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.700 (17.8)	12
13	18	1.093 (27.8)	2.425 (61.6)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
14	18	1.093 (27.8)	2.062 (52.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.779 (19.8)	16
15	20	1.093 (27.8)	2.425 (61.6)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
16	20	1.093 (27.8)	2.062 (52.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.904 (23.0)	16
17	22	1.188 (30.2)	2.575 (65.4)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
18	22	1.188 (30.2)	2.218 (56.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.029 (26.1)	20
19	24	1.188 (30.2)	2.575 (65.4)	1.069 (27.2)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
20	24	1.188 (30.2)	2.218 (56.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.144 (29.1)	20
21	28	1.312 (33.3)	2.625 (66.7)	1.156 (33.7)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16

Continued on Page 38-7

- APPLICATION NOTES**

 1. For complete dimensions see the applicable Military Specification.
 2. When maximum cable entry is exceeded, Style 2 will be supplied.
 3. Metric dimensions (mm) are in parentheses.
 4. Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

AS85049/23 and MS3189C 45° EMI/RFI Non-Environmental Backshell



EMI/RFI Non-Environ.
Backshells

TABLE II: Continued from Page 38-6

Dash No.	Shell Size	F Max	G Max	K Ref.	L Max	Cable Range		M85049/42 Ref.
						Min	Max	
22	28	1.312 (33.3)	2.281 (57.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
23	32	1.375 (34.9)	2.725 (69.2)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
24	32	1.375 (34.9)	2.725 (69.2)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
25	32	1.375 (34.9)	2.500 (63.5)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
26	36	1.406 (35.7)	2.815 (71.5)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
27	36	1.406 (35.7)	2.815 (71.5)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
28	36	1.406 (35.7)	2.469 (62.7)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.840 (46.7)	32
29	40	2.156 (54.8)	2.815 (71.5)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
30	40	2.156 (54.8)	2.815 (71.5)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
31	40	2.156 (54.8)	2.469 (62.7)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
32	44	2.156 (54.8)	2.815 (71.5)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
33	44	2.156 (54.8)	2.815 (71.5)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
34	44	2.156 (54.8)	2.469 (62.7)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
35	48	2.156 (54.8)	2.815 (71.5)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
36	48	2.156 (54.8)	2.815 (71.5)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
37	48	2.156 (54.8)	2.469 (62.7)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
38	61	1.188 (30.2)	2.575 (65.4)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
39	61	1.188 (30.2)	2.218 (56.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.184 (30.1)	20
40	16	.906 (23.0)	2.235 (56.8)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
41	18	1.093 (27.8)	2.425 (61.6)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
42	18	1.093 (27.8)	2.425 (61.6)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
43	20	1.093 (27.8)	2.425 (61.6)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
44	22	1.188 (30.2)	2.575 (65.4)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
45	22	1.188 (30.2)	2.575 (65.4)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
46	24	1.188 (30.2)	2.575 (65.4)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
47	36	1.406 (35.7)	2.815 (71.5)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
48	40	2.156 (54.8)	2.815 (71.5)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
49*	10	1.500 (38.1)	2.035 (51.7)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
50*	14	1.842 (46.8)	2.425 (61.6)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
51*	16	1.938 (49.2)	2.575 (65.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
52	18	1.093 (27.8)	2.425 (61.6)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
53	61	1.188 (30.2)	2.575 (65.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
54	20	1.093 (27.8)	2.425 (61.6)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
55*	20	2.061 (52.3)	2.625 (66.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
56	22	1.188 (30.2)	2.575 (65.4)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
57	22	1.188 (30.2)	2.575 (65.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
58*	22	2.061 (52.3)	2.625 (66.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
59	24	1.188 (30.2)	2.575 (65.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
60	28	1.312 (33.3)	2.625 (66.7)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
61	28	1.312 (33.3)	2.625 (66.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
62	32	1.375 (34.9)	2.725 (69.2)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
63	36	1.406 (35.7)	2.815 (71.5)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
64	36	1.406 (35.7)	2.815 (71.5)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
65	40	2.156 (54.8)	2.815 (71.5)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
66	40	2.156 (54.8)	2.815 (71.5)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
67	44	2.156 (54.8)	2.815 (71.5)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
68	44	2.156 (54.8)	2.815 (71.5)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
69	48	2.156 (54.8)	2.815 (71.5)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
70	48	2.156 (54.8)	2.815 (71.5)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
71*	12	1.684 (42.8)	2.236 (56.8)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
72*	18	1.938 (49.2)	2.575 (65.4)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
73*	24	2.061 (52.3)	2.625 (66.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
74	14	.812 (20.6)	2.125 (54.0)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04
75	16	.906 (23.0)	2.235 (56.8)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04

* Denotes Style 2