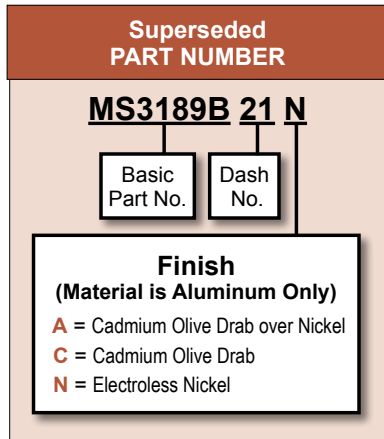
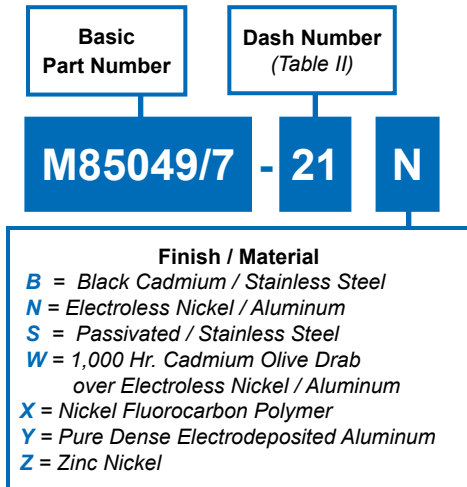




AS85049/7 and MS3189B 45° Environmental Backshell

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



- APPLICATION NOTES**

 1. For complete dimensions see the applicable Military Specification.
 2. Metric dimensions (mm) are in parentheses.
 3. When maximum cable entry is exceeded, Style 2 will be supplied.
 4. Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
 5. Approximate chain lengths: Dash No. 01-12 = 5.0 (127.0); Dash No. 13-29 = 6.0 (152.4).

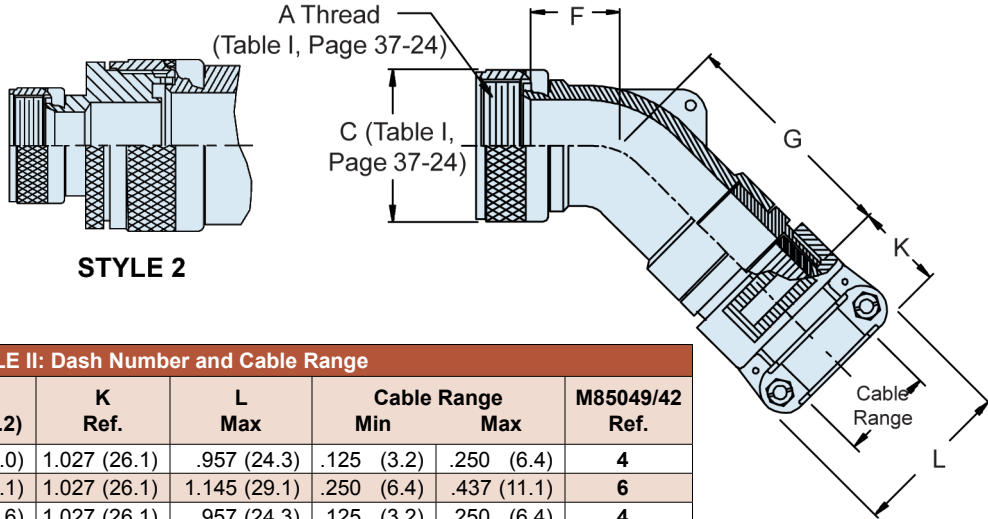


TABLE II: Dash Number and Cable Range								
Dash No.	Shell Size	F Max	G ± .125 (3.2)	K Ref.	L Max	Cable Range		M85049/42 Ref.
						Min	Max	
1	03	.688 (17.5)	1.852 (47.0)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	4
2	03	1.500 (38.1)	1.972 (50.1)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
3	08	.625 (15.9)	1.244 (31.6)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	4
4	10	.688 (17.5)	1.912 (48.6)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
5	10	.688 (17.5)	1.307 (33.2)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.375 (9.5)	6
6	12	.750 (19.1)	1.972 (50.1)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
7	12	.750 (19.1)	1.972 (50.1)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
8	12	.750 (19.1)	1.972 (50.1)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.500 (12.7)	10
9	14	.812 (20.6)	2.062 (52.4)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
10	14	.812 (20.6)	1.717 (43.6)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.575 (14.6)	10
11	16	.906 (23.0)	2.172 (55.2)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
12	16	.906 (23.0)	1.812 (46.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.700 (17.8)	12
13	18	1.093 (27.8)	2.362 (60.0)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
14	18	1.093 (27.8)	2.000 (50.8)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.779 (19.8)	16
15	20	1.093 (27.8)	2.362 (60.0)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
16	20	1.093 (27.8)	2.000 (50.8)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.904 (23.0)	16
17	22	1.188 (30.2)	2.512 (63.8)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
18	22	1.188 (30.2)	2.155 (54.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.029 (26.1)	20
19	24	1.188 (30.2)	2.512 (63.8)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
20	24	1.188 (30.2)	2.093 (53.2)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.144 (29.1)	20
21	28	1.312 (33.3)	2.500 (63.5)	1.156 (33.7)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16

Table Continued on Page 37-21

AS85049/7 and MS3189B 45° Environmental Backshell



TABLE II: Dash Number and Cable Range (Continued From Page 37-20)

Dash No.	Shell Size	F		G		K		L		Cable Range		M85049/42 Ref.
		Max		± .125 (3.2)		Ref.		Max		Min	Max	
22	28	1.312 (33.3)		2.218 (56.3)		1.500 (38.1)		2.363 (60.0)		1.000 (25.4)	1.375 (34.9)	24
23	32	1.375 (34.9)		2.662 (67.6)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
24	32	1.375 (34.9)		2.662 (67.6)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
25	32	1.375 (34.9)		2.312 (58.7)		1.781 (45.2)		2.770 (70.4)		1.250 (31.8)	1.625 (41.3)	28
26	36	1.406 (35.7)		2.752 (69.9)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
27	36	1.406 (35.7)		2.752 (69.9)		1.500 (38.1)		2.363 (60.0)		1.000 (25.4)	1.375 (34.9)	24
28	36	1.406 (35.7)		2.406 (61.1)		1.830 (46.5)		3.020 (76.7)		1.437 (36.5)	1.840 (46.7)	32
29	40	2.156 (54.8)		2.752 (69.9)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
30	40	2.156 (54.8)		2.752 (69.9)		1.500 (38.1)		2.363 (60.0)		1.000 (25.4)	1.375 (34.9)	24
31	40	2.156 (54.8)		2.406 (61.1)		1.830 (46.5)		3.020 (76.7)		1.437 (36.5)	1.875 (47.6)	32
32	44	2.156 (54.8)		2.752 (69.9)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
33	44	2.156 (54.8)		2.752 (69.9)		1.500 (38.1)		2.363 (60.0)		1.000 (25.4)	1.375 (34.9)	24
34	44	2.156 (54.8)		2.406 (61.1)		1.830 (46.5)		3.020 (76.7)		1.437 (36.5)	1.875 (47.6)	32
35	48	2.156 (54.8)		2.752 (69.9)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
36	48	2.156 (54.8)		2.752 (69.9)		1.500 (38.1)		2.363 (60.0)		1.000 (25.4)	1.375 (34.9)	24
37	48	2.156 (54.8)		2.406 (61.1)		1.830 (46.5)		3.020 (76.7)		1.437 (36.5)	1.875 (47.6)	32
38	61	1.188 (30.2)		2.512 (63.8)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
39	61	1.188 (30.2)		2.155 (54.7)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.184 (30.1)	20
40	16	.906 (23.0)		2.172 (55.2)		1.027 (26.1)		1.332 (33.8)		.350 (8.9)	.625 (15.9)	10
41	18	1.093 (27.8)		2.362 (60.0)		1.027 (26.1)		.957 (24.3)		.125 (3.2)	.312 (7.9)	4
42	18	1.093 (27.8)		2.362 (60.0)		1.027 (26.1)		1.145 (29.1)		.250 (6.4)	.437 (11.1)	6
43	20	1.093 (27.8)		2.362 (60.0)		1.027 (26.1)		1.145 (29.1)		.250 (6.4)	.437 (11.1)	6
44	22	1.188 (30.2)		2.512 (63.8)		1.027 (26.1)		.957 (24.3)		.125 (3.2)	.312 (7.9)	4
45	22	1.188 (30.2)		2.512 (63.8)		1.027 (26.1)		1.145 (29.1)		.250 (6.4)	.437 (11.1)	6
46	24	1.188 (30.2)		2.512 (63.8)		1.027 (26.1)		1.332 (33.8)		.350 (8.9)	.625 (15.9)	10
47	36	1.406 (35.7)		2.752 (69.9)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
48	40	2.156 (54.8)		2.752 (69.9)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
49*	10	1.500 (38.1)		1.972 (50.1)		1.027 (26.1)		1.145 (29.1)		.250 (6.4)	.437 (11.1)	6
50*	14	1.842 (46.8)		2.362 (60.0)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
51*	16	1.938 (49.2)		2.512 (63.8)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
52	18	1.093 (27.8)		2.362 (60.0)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
53	61	1.188 (30.2)		2.512 (63.8)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
54	20	1.093 (27.8)		2.362 (60.0)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
55*	20	2.061 (52.3)		2.562 (65.1)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
56	22	1.188 (30.2)		2.512 (63.8)		1.027 (26.1)		1.332 (33.8)		.350 (8.9)	.625 (15.9)	10
57	22	1.188 (30.2)		2.512 (63.8)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
58*	22	2.061 (52.3)		2.562 (65.1)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
59	24	1.188 (30.2)		2.512 (63.8)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
60	28	1.312 (33.3)		2.562 (65.1)		1.059 (26.9)		1.551 (39.4)		.500 (12.7)	.750 (19.1)	12
61	28	1.312 (33.3)		2.562 (65.1)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
62	32	1.375 (34.9)		2.662 (67.6)		1.500 (38.1)		2.363 (60.0)		1.000 (25.4)	1.375 (34.9)	24
63	36	1.406 (35.7)		2.752 (69.9)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
64	36	1.406 (35.7)		2.752 (69.9)		1.781 (45.2)		2.770 (70.4)		1.250 (31.8)	1.625 (41.3)	28
65	40	2.156 (54.8)		2.752 (69.9)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
66	40	2.156 (54.8)		2.752 (69.9)		1.781 (45.2)		2.770 (70.4)		1.250 (31.8)	1.625 (41.3)	28
67	44	2.156 (54.8)		2.752 (69.9)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
68	44	2.156 (54.8)		2.752 (69.9)		1.781 (45.2)		2.770 (70.4)		1.250 (31.8)	1.625 (41.3)	28
69	48	2.156 (54.8)		2.752 (69.9)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
70	48	2.156 (54.8)		2.752 (69.9)		1.781 (45.2)		2.770 (70.4)		1.250 (31.8)	1.625 (41.3)	28
71*	12	1.654 (42.0)		2.173 (55.2)		1.027 (26.1)		1.332 (33.8)		.350 (8.9)	.625 (15.9)	10
72*	18	1.938 (49.2)		2.512 (63.8)		1.156 (29.4)		1.770 (45.0)		.625 (15.9)	.937 (23.8)	16
73*	24	2.061 (52.3)		2.562 (65.1)		1.375 (34.9)		2.113 (53.7)		.875 (22.2)	1.250 (31.8)	20
74	14	.812 (20.6)		2.062 (52.4)		1.027 (26.1)		.957 (24.3)		.125 (3.2)	.312 (7.9)	4
75	16	.906 (23.0)		2.172 (55.2)		1.027 (26.1)		.957 (24.3)		.125 (3.2)	.312 (7.9)	4

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