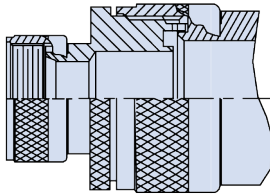


AS85049/24 and MS3188C 90° EMI/RFI Non-Environmental Backshell

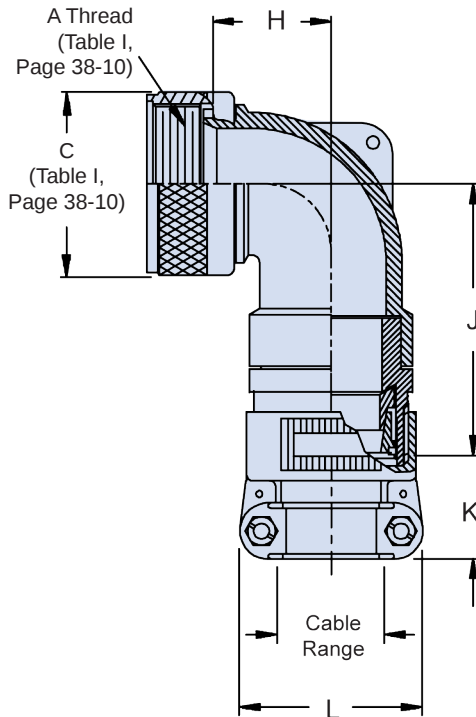


AS85049

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



STYLE 2



Basic Part Number	Dash Number (Table II)
M85049/24	21 N

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

Superseded Part Number	
MS3188C 21 N	
Basic Part No.	Dash No.
Finish (Material is Aluminum Only) A = Cadmium Olive Drab over Nickel C = Cadmium Olive Drab N = Electroless Nickel	

B

TABLE II: Dash Number, Cable Range and Dimensions								
Dash No.	Shell Size	H Max	J Max	K Ref.	L Max	Cable Range		M85049/42 Ref.
						Min	Max	
1	03	.698 (17.7)	1.862 (47.3)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	04
2	03	1.448 (36.8)	1.382 (35.1)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	04
3	08	.603 (15.3)	1.262 (32.1)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	04
4	10	.698 (17.7)	1.982 (50.3)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04
5	10	.698 (17.7)	1.382 (35.1)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.375 (9.5)	06
6	12	.703 (17.9)	2.002 (50.9)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04
7	12	.703 (17.9)	2.002 (50.9)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
8	12	.703 (17.9)	1.397 (35.5)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.500 (12.7)	10
9	14	.803 (20.4)	2.072 (52.6)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
10	14	.803 (20.4)	1.717 (43.6)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.575 (14.6)	10
11	16	.988 (25.1)	2.162 (54.9)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
12	16	.988 (25.1)	1.807 (45.9)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.700 (17.8)	12
13	18	1.078 (27.4)	2.332 (59.2)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
14	18	1.078 (27.4)	1.982 (50.3)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.779 (19.8)	16
15	20	1.078 (27.4)	2.332 (59.2)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
16	20	1.079 (27.4)	1.982 (50.3)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.904 (23.0)	16
17	22	1.228 (31.2)	2.442 (62.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
18	22	1.228 (31.2)	2.087 (53.0)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.029 (26.1)	20
19	24	1.228 (31.2)	2.442 (62.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
20	24	1.228 (31.2)	2.087 (53.0)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.144 (29.1)	20
21	28	1.328 (33.7)	2.612 (66.3)	1.156 (33.7)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16

Continued on Page B-46 • Refer to the Mil-Spec for Complete Dimensions

Dimensions in inches (millimeters) and are subject to change without notice.

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AS85049/24 and MS3188C 90° EMI/RFI Non-Environmental Backshell

B

TABLE II: Continued from Page B-45 • Refer to the Mil-DSpec for Complete Dimensions

Dash No.	Shell Size	H Max	K Max	K Ref.	L Max	Cable Range		M85049/42 Ref.
						Min	Max	
22	28	1.328 (33.7)	2.257 (57.3)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
23	32	1.678 (42.6)	2.862 (72.7)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
24	32	1.678 (42.6)	2.862 (72.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
25	32	1.678 (42.6)	2.507 (63.7)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
26	36	1.878 (47.7)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
27	36	1.878 (47.7)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
28	36	1.878 (47.7)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.840 (46.7)	32
29	40	2.628 (66.8)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
30	40	2.628 (66.8)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
31	40	2.628 (66.8)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
32	44	2.628 (66.8)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
33	44	2.628 (66.8)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
34	44	2.628 (66.8)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
35	48	2.628 (66.8)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
36	48	2.628 (66.8)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
37	48	2.628 (66.8)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
38	61	1.228 (31.2)	2.442 (62.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
39	61	1.228 (31.2)	2.087 (53.0)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.184 (30.1)	20
40	16	.988 (25.1)	2.162 (54.9)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
41	18	1.078 (27.4)	2.332 (59.2)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04
42	18	1.078 (27.4)	2.332 (59.2)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
43	20	1.078 (27.4)	2.332 (59.2)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
44	22	1.228 (31.2)	2.442 (62.0)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04
45	22	1.228 (31.2)	2.442 (62.0)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
46	24	1.228 (31.2)	2.442 (62.0)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
47	36	1.878 (47.7)	2.832 (71.9)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
48	40	1.878 (47.7)	2.832 (71.9)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
49*	10	1.453 (36.9)	2.002 (50.9)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	06
50*	14	1.828 (46.4)	2.334 (59.3)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
51*	16	1.978 (50.2)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
52	18	1.078 (27.4)	2.332 (59.2)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
53	61	1.228 (31.2)	2.087 (53.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
54	20	1.078 (27.4)	2.332 (59.2)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
55*	20	2.078 (52.8)	2.612 (66.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
56	22	1.228 (31.2)	2.442 (62.0)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
57	22	1.228 (31.2)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
58*	22	2.078 (52.8)	2.612 (66.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
59	24	1.228 (31.2)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
60	28	1.328 (33.7)	2.612 (66.3)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
61	28	1.328 (33.7)	2.612 (66.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
62	32	1.678 (42.6)	2.862 (72.7)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
63	36	1.878 (47.7)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
64	36	1.878 (47.7)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
65	40	2.628 (66.8)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
66	40	2.628 (66.8)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	28
67	44	2.628 (66.8)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
68	44	2.628 (66.8)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
69	48	2.628 (66.8)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
70	48	2.628 (66.8)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
71*	12	1.748 (44.4)	2.162 (54.9)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
72*	18	1.988 (50.5)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
73*	24	2.088 (53.0)	2.612 (66.3)	1.375 (34.9)	2.116 (53.7)	.875 (22.2)	1.250 (31.8)	20
74	14	.803 (20.4)	2.072 (52.6)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04
75	16	.988 (25.1)	2.162 (54.9)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	04

Dimensions in inches (millimeters) and are subject to change without notice.