AS85049/9 and MS3188B
90° Environmental Backshell

Glenair®

B

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

Basic Part Number **Dash Number** *(Table II)*

M85049/9 **- 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 = Nickel Fluorocarbon Polymer
Y = Pure Dense Electrodeposited Aluminum
Z = Zinc Nickel
XS = Nickel Fluorocarbon Polymer / Stainless Steel
YS = Pure Dense Electrodeposited Aluminum / Stainless Steel
ZS = Zinc Nickel, Black / Stainless Steel

Superseded Part Number

MS3188B 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

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).
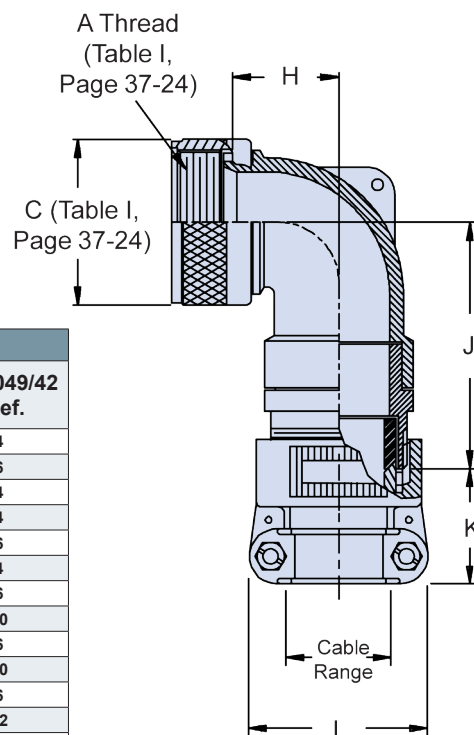
STYLE 2

A Thread (Table I, Page 37-24)
H
C (Table I, Page 37-24)
J
K
Cable Range
L

Dash No.	Shell Size	H Max	J Max	K Ref.	L Max	Cable Range Min	Cable Range Max	M85049/42 Ref.
1	03	.761 (19.3)	1.862 (47.3)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	4
2	03	1.511 (38.4)	1.382 (35.1)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
3	08	.666 (16.9)	1.262 (32.1)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.250 (6.4)	4
4	10	.761 (19.3)	1.982 (50.3)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
5	10	.761 (19.3)	1.382 (35.1)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.375 (9.5)	6
6	12	.766 (19.5)	2.002 (50.9)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
7	12	.766 (19.5)	2.002 (50.9)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
8	12	.766 (19.5)	1.397 (35.5)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.500 (12.7)	10
9	14	.866 (22.0)	2.072 (52.6)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
10	14	.866 (22.0)	1.717 (43.6)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.575 (14.6)	10
11	16	1.051 (26.7)	2.162 (54.9)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
12	16	1.051 (26.7)	1.807 (45.9)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.700 (17.8)	12
13	18	1.141 (29.0)	2.332 (59.2)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
14	18	1.141 (29.0)	1.982 (50.3)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.779 (19.8)	16
15	20	1.141 (29.0)	2.332 (59.2)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
16	20	1.141 (29.0)	1.982 (50.3)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.904 (23.0)	16
17	22	1.291 (32.8)	2.442 (62.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
18	22	1.291 (32.8)	2.087 (53.0)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.029 (26.1)	20
19	24	1.291 (32.8)	2.442 (62.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
20	24	1.291 (32.8)	2.087 (53.0)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.144 (29.1)	20
21	28	1.391 (35.3)	2.612 (66.3)	1.156 (33.7)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16

TABLE II: Dash Number and Cable Range (Continued on Page B-26)

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

Glenair®

B

Dash No.	Shell Size	H Max	J Max	K Ref.	L Max	Cable Range Min	Max	M85049/42 Ref.
22	28	1.391 (35.3)	2.257 (57.3)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
23	32	1.741 (44.2)	2.862 (72.7)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
24	32	1.741 (44.2)	2.862 (72.7)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
25	32	1.741 (44.2)	2.507 (63.7)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
26	36	1.941 (49.3)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
27	36	1.941 (49.3)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
28	36	1.941 (49.3)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.840 (46.7)	32
29	40	2.691 (68.4)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
30	40	2.691 (68.4)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
31	40	2.691 (68.4)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
32	44	2.691 (68.4)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
33	44	2.691 (68.4)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
34	44	2.691 (68.4)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
35	48	2.691 (68.4)	2.832 (71.9)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
36	48	2.691 (68.4)	2.832 (71.9)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
37	48	2.691 (68.4)	2.477 (62.9)	1.830 (46.5)	3.020 (76.7)	1.437 (36.5)	1.875 (47.6)	32
38	61	1.291 (32.8)	2.442 (62.0)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
39	61	1.291 (32.8)	2.087 (53.0)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.184 (30.1)	20
40	16	1.051 (26.7)	2.162 (54.9)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
41	18	1.141 (29.0)	2.332 (59.2)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
42	18	1.141 (29.0)	2.332 (59.2)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
43	20	1.141 (29.0)	2.332 (59.2)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
44	22	1.291 (32.8)	2.442 (62.0)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
45	22	1.291 (32.8)	2.442 (62.0)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
46	24	1.291 (32.8)	2.442 (62.0)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
47	36	1.941 (49.3)	2.832 (71.9)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
48	40	1.941 (49.3)	2.832 (71.9)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
49*	10	1.516 (38.5)	2.002 (50.9)	1.027 (26.1)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	6
50*	14	1.891 (48.0)	2.332 (59.2)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
51*	16	2.041 (51.8)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
52	18	1.141 (29.0)	2.332 (59.2)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
53	61	1.291 (32.8)	2.087 (53.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
54	20	1.141 (29.0)	2.332 (59.2)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
55*	20	2.141 (54.4)	2.612 (66.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
56	22	1.291 (32.8)	2.442 (62.0)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
57	22	1.291 (32.8)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
58*	22	2.141 (54.4)	2.612 (66.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
59	24	1.291 (32.8)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
60	28	1.391 (35.3)	2.612 (66.3)	1.059 (26.9)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	12
61	28	1.391 (35.3)	2.612 (66.3)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
62	32	1.741 (44.2)	2.862 (72.7)	1.500 (38.1)	2.363 (60.0)	1.000 (25.4)	1.375 (34.9)	24
63	36	1.941 (49.3)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
64	36	1.941 (49.3)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
65	40	2.691 (68.4)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
66	40	2.691 (68.4)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
67	44	2.691 (68.4)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
68	44	2.691 (68.4)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
69	48	2.691 (68.4)	2.832 (71.9)	1.375 (34.9)	2.113 (53.7)	.875 (22.2)	1.250 (31.8)	20
70	48	2.691 (68.4)	2.832 (71.9)	1.781 (45.2)	2.770 (70.4)	1.250 (31.8)	1.625 (41.3)	28
71*	12	1.811 (46.0)	2.162 (54.9)	1.027 (26.1)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	10
72*	18	2.051 (52.1)	2.442 (62.0)	1.156 (29.4)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	16
73*	24	2.151 (54.6)	2.612 (66.3)	1.375 (34.9)	2.116 (53.7)	.875 (22.2)	1.250 (31.8)	20
74	14	.866 (22.0)	2.072 (52.6)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4
75	16	1.051 (26.7)	2.162 (54.9)	1.027 (26.1)	.957 (24.3)	.125 (3.2)	.312 (7.9)	4

TABLE II: Dash Number and Cable Range (Continued From Page B-25

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

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