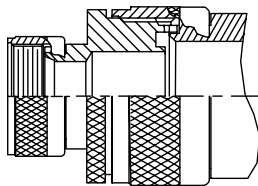




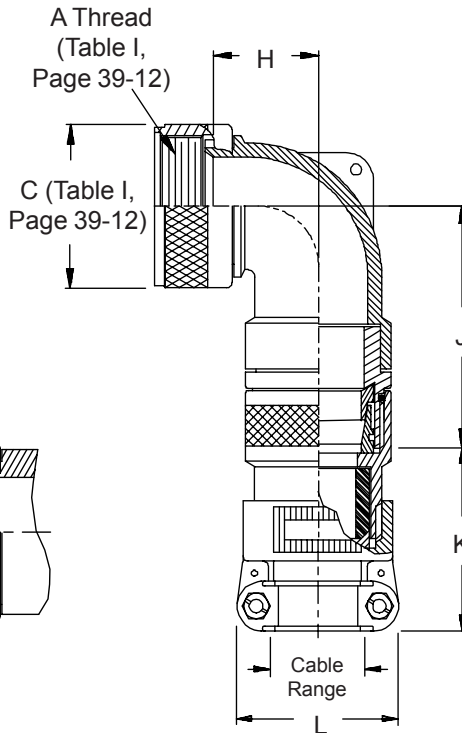
AS85049/8 and MS3188A EMI/RFI Environmental Backshell

Glenair Connector Designator A

MIL-DTL-5015 Series 3400,
MIL-DTL-26482 Series 2,
AS81703 Series 3,
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



M85049/8-21 W

Basic Part No. _____
Dash No. _____
Finish _____
B = Black Cadmium, Stainless Steel
N = Electroless Nickel, Aluminum
S = Passivated Stainless Steel
W = 1,000 Hour Cad. Olive Drab Over
Electroless Nickel, Aluminum

Superseded Part Number

MS3188A 21 C

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

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

TABLE II

Dash No.	Shell Size	H Max	J Max	K Ref.	L Max	Cable Range			M85049/42 Ref
						Min	Max	Max	
1	3	.761 (19.3)	1.862 (47.3)	1.544 (39.2)	.957 (24.3)	.125 (3.2)	.250 (6.4)	(6.4)	4
2	3	1.511 (38.4)	1.382 (35.1)	1.544 (39.2)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	(11.1)	6
3	8	.666 (16.9)	1.262 (32.1)	1.544 (39.2)	.957 (24.3)	.125 (3.2)	.250 (6.4)	(6.4)	4
4	10	.761 (19.3)	1.982 (50.3)	1.544 (39.2)	.957 (24.3)	.125 (3.2)	.312 (7.9)	(7.9)	4
5	10	.761 (19.3)	1.382 (35.1)	1.544 (39.2)	1.145 (29.1)	.250 (6.4)	.375 (9.5)	(9.5)	6
6	12	.766 (19.5)	2.002 (50.9)	1.544 (39.2)	.957 (24.3)	.125 (3.2)	.312 (7.9)	(7.9)	4
7	12	.766 (19.5)	2.002 (50.9)	1.544 (39.2)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	(11.1)	6
8	12	.766 (19.5)	1.397 (35.5)	1.844 (46.8)	1.332 (33.8)	.350 (8.9)	.500 (12.7)	(12.7)	10
9	14	.866 (22.0)	2.072 (52.6)	1.544 (39.2)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	(11.1)	6
10	14	.866 (22.0)	1.717 (43.6)	1.844 (46.8)	1.332 (33.8)	.350 (8.9)	.575 (14.6)	(14.6)	10
11	16	1.051 (26.7)	2.162 (54.9)	1.544 (39.2)	1.145 (29.1)	.250 (6.4)	.437 (11.1)	(11.1)	6
12	16	1.051 (26.7)	1.807 (45.9)	1.916 (48.7)	1.551 (39.4)	.500 (12.7)	.700 (17.8)	(17.8)	12
13	18	1.141 (29.0)	2.332 (59.2)	1.844 (46.8)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	(15.9)	10
14	18	1.141 (29.0)	1.982 (50.3)	2.000 (50.8)	1.770 (45.0)	.625 (15.9)	.779 (19.8)	(19.8)	16
15	20	1.141 (29.0)	2.332 (59.2)	1.844 (46.8)	1.332 (33.8)	.350 (8.9)	.625 (15.9)	(15.9)	10
16	20	1.141 (29.0)	1.982 (50.3)	2.000 (50.8)	1.770 (45.0)	.625 (15.9)	.904 (23.0)	(23.0)	16
17	22	1.291 (32.8)	2.442 (62.0)	1.916 (48.7)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	(19.1)	12
18	22	1.291 (32.8)	2.087 (53.0)	2.230 (56.6)	2.113 (53.7)	.875 (22.2)	1.029 (26.1)	(26.1)	20
19	24	1.291 (32.8)	2.442 (62.0)	1.916 (48.7)	1.551 (39.4)	.500 (12.7)	.750 (19.1)	(19.1)	12
20	24	1.291 (32.8)	2.087 (53.0)	2.230 (56.6)	2.113 (53.7)	.875 (22.2)	1.144 (29.1)	(29.1)	20
21	28	1.391 (35.3)	2.612 (66.3)	2.000 (50.8)	1.770 (45.0)	.625 (15.9)	.937 (23.8)	(23.8)	16

Table II Continued on Page 39-11

AS85049/8 and MS3188A
EMI/RFI Environmental Backshell



EMI/RFI
Environmental
Backshells

TABLE II (Continued From Page 39-10)

Dash No.	Shell Size	H		J		K		L		Cable Range		M85049/42		
		Max	(mm)	Max	(mm)	Ref.	(mm)	Max	(mm)	Min	Max	Ref	(mm)	
22	28	1.391	(35.3)	2.257	(57.3)	2.024	(51.4)	2.363	(60.0)	1.000	(25.4)	1.375	(34.9)	24
23	32	1.741	(44.2)	2.862	(72.7)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
24	32	1.741	(44.2)	2.862	(72.7)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
25	32	1.741	(44.2)	2.507	(63.7)	2.550	(64.8)	2.770	(70.4)	1.250	(31.8)	1.625	(41.3)	28
26	36	1.941	(49.3)	2.832	(71.9)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
27	36	1.941	(49.3)	2.832	(71.9)	2.024	(51.4)	2.363	(60.0)	1.000	(25.4)	1.375	(34.9)	24
28	36	1.941	(49.3)	2.477	(62.9)	2.600	(66.0)	3.020	(76.7)	1.437	(36.5)	1.840	(46.7)	32
29	40	2.691	(68.4)	2.832	(71.9)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
30	40	2.691	(68.4)	2.832	(71.9)	2.024	(51.4)	2.363	(60.0)	1.000	(25.4)	1.375	(34.9)	24
31	40	2.691	(68.4)	2.477	(62.9)	2.600	(66.0)	3.020	(76.7)	1.437	(36.5)	1.875	(47.6)	32
32	44	2.691	(68.4)	2.832	(71.9)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
33	44	2.691	(68.4)	2.832	(71.9)	2.024	(51.4)	2.363	(60.0)	1.000	(25.4)	1.375	(34.9)	24
34	44	2.691	(68.4)	2.477	(62.9)	2.600	(66.0)	3.020	(76.7)	1.437	(36.5)	1.875	(47.6)	32
35	48	2.691	(68.4)	2.832	(71.9)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
36	48	2.691	(68.4)	2.832	(71.9)	2.024	(51.4)	2.363	(60.0)	1.000	(25.4)	1.375	(34.9)	24
37	48	2.691	(68.4)	2.477	(62.9)	2.600	(66.0)	3.020	(76.7)	1.437	(36.5)	1.875	(47.6)	32
38	61	1.291	(32.8)	2.442	(62.0)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
39	61	1.291	(32.8)	2.087	(53.0)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.184	(30.1)	20
40	16	1.051	(26.7)	2.162	(54.9)	1.844	(46.8)	1.332	(33.8)	.350	(8.9)	.625	(15.9)	10
41	18	1.141	(29.0)	2.332	(59.2)	1.544	(39.2)	.957	(24.3)	.125	(3.2)	.312	(7.9)	4
42	18	1.141	(29.0)	2.332	(59.2)	1.544	(39.2)	1.145	(29.1)	.250	(6.4)	.437	(11.1)	6
43	20	1.141	(29.0)	2.332	(59.2)	1.544	(39.2)	1.145	(29.1)	.250	(6.4)	.437	(11.1)	6
44	22	1.291	(32.8)	2.442	(62.0)	1.544	(39.2)	.957	(24.3)	.125	(3.2)	.312	(7.9)	4
45	22	1.291	(32.8)	2.442	(62.0)	1.544	(39.2)	1.145	(29.1)	.250	(6.4)	.437	(11.1)	6
46	24	1.291	(32.8)	2.442	(62.0)	1.844	(46.8)	1.332	(33.8)	.350	(8.9)	.625	(15.9)	10
47	36	1.941	(49.3)	2.832	(71.9)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
48	40	1.941	(49.3)	2.832	(71.9)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
49*	10	1.516	(38.5)	2.002	(50.9)	1.544	(39.2)	1.145	(29.1)	.250	(6.4)	.437	(11.1)	6
50*	14	1.891	(48.0)	2.332	(59.2)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
51*	16	2.041	(51.8)	2.442	(62.0)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
52	18	1.141	(29.0)	2.332	(59.2)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
53	61	1.291	(32.8)	2.087	(53.0)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
54	20	1.141	(29.0)	2.332	(59.2)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
55*	20	2.141	(54.4)	2.612	(66.3)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
56	22	1.291	(32.8)	2.442	(62.0)	1.844	(46.8)	1.332	(33.8)	.350	(8.9)	.625	(15.9)	10
57	22	1.291	(32.8)	2.442	(62.0)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
58*	22	2.141	(54.4)	2.612	(66.3)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
59	24	1.291	(32.8)	2.442	(62.0)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
60	28	1.391	(35.3)	2.612	(66.3)	1.916	(48.7)	1.551	(39.4)	.500	(12.7)	.750	(19.1)	12
61	28	1.391	(35.3)	2.612	(66.3)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
62	32	1.741	(44.2)	2.862	(72.7)	2.024	(51.4)	2.363	(60.0)	1.000	(25.4)	1.375	(34.9)	24
63	36	1.941	(49.3)	2.832	(71.9)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
64	36	1.941	(49.3)	2.832	(71.9)	2.550	(64.8)	2.770	(70.4)	1.250	(31.8)	1.625	(41.3)	28
65	40	2.691	(68.4)	2.832	(71.9)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
66	40	2.691	(68.4)	2.832	(71.9)	2.550	(64.8)	2.770	(70.4)	1.250	(31.8)	1.625	(41.3)	28
67	44	2.691	(68.4)	2.832	(71.9)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
68	44	2.691	(68.4)	2.832	(71.9)	2.550	(64.8)	2.770	(70.4)	1.250	(31.8)	1.625	(41.3)	28
69	48	2.691	(68.4)	2.832	(71.9)	2.230	(56.6)	2.113	(53.7)	.875	(22.2)	1.250	(31.8)	20
70	48	2.691	(68.4)	2.832	(71.9)	2.550	(64.8)	2.770	(70.4)	1.250	(31.8)	1.625	(41.3)	28
71*	12	1.811	(46.0)	2.162	(54.9)	1.844	(46.8)	1.332	(33.8)	.350	(8.9)	.625	(15.9)	10
72*	18	2.051	(52.1)	2.442	(62.0)	2.000	(50.8)	1.770	(45.0)	.625	(15.9)	.937	(23.8)	16
73*	24	2.151	(54.6)	2.612	(66.3)	2.230	(56.6)	2.116	(53.7)	.875	(22.2)	1.250	(31.8)	20
74	14	.866	(22.0)	2.072	(52.6)	1.544	(39.2)	.957	(24.3)	.125	(3.2)	.312	(7.9)	4
75	16	1.051	(26.7)	2.162	(54.9)	1.544	(39.2)	.957	(24.3)	.125	(3.2)	.312	(7.9)	4

* Denotes Style 2

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

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