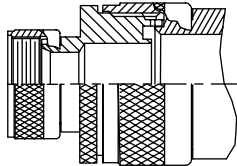




AS85049/23 and MS3189C EMI/RFI Non-Environmental Backshells

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

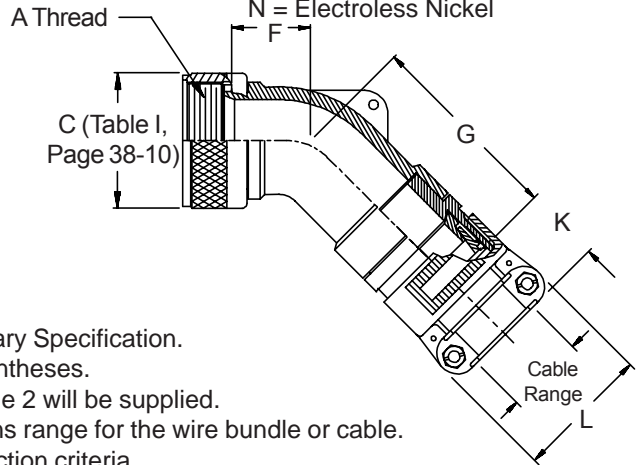
M85049/23-21 N

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

MS3189C 21 N

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

Superseded Part Number



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	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)	1.059 (26.9)	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

Table I Continued on Page 38-7

AS85049/23 and MS3189C EMI/RFI Non-Environmental Backshells



EMI/RFI
Non-Env.
Backshells

TABLE II (Continued From Page 38-6)

Dash No.	Shell Size	F		G		K		L		Cable Range		M85049/42		
		Max	()	Max	()	Ref.	()	Max	()	Min	Max	Ref		
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