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AS85049/10

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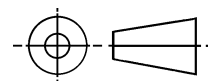
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AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,
CATEGORY 1A (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2,
MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/10
SHEET 1 OF 22

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: MIL-C-85049.

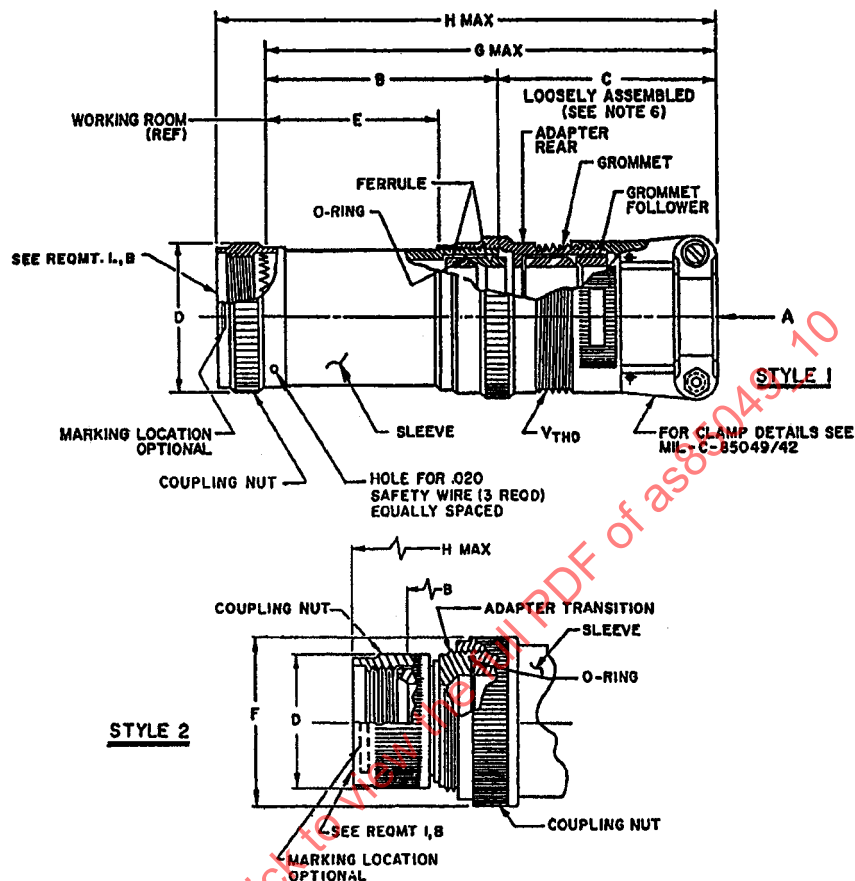


FIGURE 1. CONFIGURATION AND DIMENSIONS.

TABLE I. DIMENSIONS.

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max				
01	3				4	.125	.250	1	2.00	1.544	.669
02									3.00		
03					6	.250	.437	2	2.75	1.544	.669
04									3.75		
05		8	8S	8	4	.125	.250	1	2.00	1.544	.617
06									3.00		
07					6	.250	.437	2	2.75	1.544	.617
08									3.75		
09		10	10S, 10SL	10	4	.125	.312	1	2.00	1.544	.734
10									3.00		
11					6	.250	.437	2	2.75	1.544	.734
12									3.75		
13	7	12	12, 12S	12	6	.250	.437	1	2.00	1.544	.858
14									3.00		
15					10	.350	.625	2	2.75	1.844	.858
16									3.75		
17	12	14	14, 14S	14	10	.350	.575	1	2.00	1.844	.984
18									3.00		
19					12	.500	.750	2	2.75	1.916	.984
20									3.75		

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,
CATEGORY 1A (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2,
MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
01	1.06	.625-24 UNEF	-	3.66	4.02
02	2.06			4.66	5.02
03	1.81	.750-20 UNEF	.858	4.41	4.77
04	2.81			5.41	5.77
05	1.06	.625-24 UNEF	-	3.66	4.02
06	2.06			4.66	5.02
07	1.81	.750-20 UNEF	.858	4.41	4.77
08	2.81			5.41	5.77
09	1.06	.625-24 UNEF	-	3.66	4.02
10	2.06			4.66	5.02
11	1.81	.750-20 UNEF	.858	4.41	4.77
12	2.81			5.41	5.77
13	1.06	.750-20 UNEF	-	3.66	4.02
14	2.06			4.66	5.02
15	1.67	1.000-20 UNEF	1.112	4.71	5.07
16	2.67			5.71	6.07
17	0.92	1.000-20 UNEF	-	3.96	4.32
18	1.92			4.96	5.32
19	1.67	1.1875-18 UNEF	1.218	4.78	5.14
20	2.87			5.78	6.14

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B	C	D Dia
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III					+.125	Ref	Max
						Min	Max				
21	19	16	16,16S	16	12	.500	.700	1	2.00	1.916	1.112
22									3.00		
23					16	.625	.937	2	2.75	2.000	1.112
24									3.75		
25	27	18	18	18	10	.350	.625	1	2.00	1.844	1.218
26									3.00		
27					12	.500	.750	1	2.00	1.916	1.218
28									3.00		
29					16	.625	.937	2	2.75	2.000	1.218
30									3.75		
31	37	20	20	20	10	.350	.625	1	3.00	1.844	1.345
32									4.00		
33					12	.500	.750	1	3.00	1.916	1.345
34									4.00		
35					16	.625	.937	2	3.75	2.000	1.345
36									4.75		
37					20	.875	1.250	2	3.75	2.230	1.345
38									4.75		
39		22	22	22	10	.350	.625	1	3.00	1.844	1.468
40									4.00		

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
21	0.92	1.1875-18 UNEF	-	4.03	4.39
22	1.92			5.03	5.39
23	1.67	1.4375-18 UNEF	1.468	4.87	5.23
24	2.67			5.87	6.23
25	0.92	1.000-20 UNEF	-	3.96	4.32
26	1.92			4.96	5.32
27	0.92	1.1875-18 UNEF	-	4.03	4.39
28	1.92			5.03	5.39
29	1.67	1.4375-18 UNEF	1.468	4.87	5.23
30	2.67			5.87	6.23
31	1.92	1.000-20 UNEF	-	4.96	5.32
32	2.92			5.96	6.32
33	1.92	1.1875-18 UNEF	-	5.03	5.39
34	2.92			6.03	6.39
35	2.67	1.4375-18 UNEF	1.468	5.87	6.23
36	3.67			6.87	7.23
37	2.67	1.750-18 UNS	1.969	6.10	6.46
38	3.67			7.10	7.46
39	1.92	1.000-20 UNEF	-	4.96	5.32
40	2.92			5.96	6.32

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,
CATEGORY 1A (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2,
MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/10
SHEET 6 OF 22

AS85049/10

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max				
41		22	22	22	12	.500	.750	1	3.00	1.916	1.468
42									4.00		
43					16	.625	.937	1	3.00	2.000	1.468
44									4.00		
45					20	.875	1.250	2	3.75	2.230	1.468
46									4.75		
47		24	24	24	12	.500	.750	1	3.00	1.916	1.593
48									4.00		
49					16	.625	.812	1	3.00	2.000	1.593
50									4.00		
51					16	.625	.937	1	3.00	2.000	1.593
52									4.00		
53					20	.875	1.250	2	3.75	2.230	1.593
54									4.75		
55		28	28	28	12	.500	.750	1	3.00	1.916	1.969
56									4.00		
57					16	.625	.937	1	3.00	2.000	1.969
58									4.00		
59					20	.875	1.250	1	3.00	2.230	1.969
60									4.00		

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
41	1.92	1.1875-18 UNEF	-	5.03	5.39
42	2.92			6.03	6.39
43	1.92	1.4375-18 UNEF	-	5.12	5.48
44	2.92			6.12	6.48
45	2.67	1.750-18 UNS	1.969	6.10	6.46
46	3.67			7.10	7.46
47	1.92	1.1875-18 UNEF	-	5.03	5.39
48	2.92			6.03	6.39
49	1.92	1.4375-18 UNEF	-	5.12	5.48
50	2.92			6.12	6.48
51	1.92	1.4375-18 UNEF	-	5.12	5.48
52	2.92			6.12	6.48
53	2.67	1.750-18 UNS	1.969	6.10	6.46
54	3.67			7.10	7.46
55	1.92	1.1875-18 UNEF	-	5.04	5.56
56	2.92			6.04	6.56
57	1.92	1.4375-18 UNEF	-	5.12	5.64
58	2.92			6.12	6.64
59	1.92	1.750-18 UNS	-	5.35	5.87
60	2.92			6.35	6.87

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
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CATEGORY 1A (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2,
MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/10
SHEET 8 OF 22

AS85049/10

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B	C	D Dia	
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max		+.125	Ref	Max	
61			28		24	1.000	1.375	1	3.00	2.024	1.969	
62									4.00			
63			32		16	.625	.937	1	3.00	2.000	2.219	
64									4.00			
65						20	.875	1.250	1	3.00	2.230	2.219
66									4.00			
67						24	1.000	1.375	1	3.00	2.024	2.219
68										4.00		
69						28	1.250	1.625	1	3.00	2.550	2.219
70										4.00		
71			36		20	.875	1.250	1	4.00	2.230	2.469	
72									5.00			
73						24	1.000	1.375	1	4.00	2.024	2.469
74										5.00		
75						28	1.250	1.625	1	4.00	2.550	2.469
76										5.00		
77						32	1.437	1.875	2	4.88	2.600	2.469
78										5.88		
79			40		20	.875	1.250	1	4.00	2.230	2.719	
80												5.00

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
61	1.92	2.000-18 UNS	-	4.62	5.14
62	2.92			5.62	6.14
63	1.92	1.4375-18 UNEF	-	5.12	5.64
64	2.92			6.12	6.64
65	1.92	1.750-18 UNS	-	4.50	5.02
66	2.92			5.50	6.02
67	1.92	2.000-18 UNS	-	4.62	5.14
68	2.92			5.62	6.14
69	1.92	2.250-16 UN	-	4.90	5.42
70	2.92			5.90	6.42
71	2.92	1.750-18 UNS	-	5.50	6.02
72	3.92			6.50	7.02
73	2.92	2.000-18 UNS	-	5.62	6.14
74	3.92			6.62	7.14
75	2.92	2.250-16 UN	-	5.90	6.42
76	3.92			6.90	7.42
77	3.80	2.500-16 UN	2.719	6.83	7.35
78	4.80			7.83	8.35
79	2.92	1.750-18 UNS	-	5.50	6.02
80	3.92			6.50	7.02

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6)		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Wire Bundle Accommodation Range					
						Min	Max				
81			40		24	1.000	1.375	1	4.00	2.024	2.719
82									5.00		
83					28	1.250	1.625	1	4.00	2.550	2.719
84									5.00		
85			44		32	1.437	1.875	1	4.00	2.600	2.719
86									5.00		
87					20	.875	1.250	1	4.00	2.230	2.969
88									5.00		
89			48		24	1.000	1.375	1	4.00	2.024	2.969
90									5.00		
91					28	1.250	1.625	1	4.00	2.550	2.969
92									5.00		
93			48		32	1.437	1.875	1	4.00	2.600	2.969
94									5.00		
95					20	.875	1.250	1	4.00	2.230	3.219
96									5.00		
97			48		24	1.000	1.375	1	4.00	2.024	3.219
98									5.00		
99					28	1.250	1.625	1	4.00	2.550	3.219
100									5.00		

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
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CATEGORY 1A (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2,
MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/10

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
81	2.92	2.000-18 UNS	-	6.14	6.66
82	3.92			7.14	7.66
83	2.92	2.250-16 UN	-	6.67	7.19
84	3.92			7.67	8.19
85	2.92	2.500-16 UN	-	6.72	7.24
86	3.92			7.72	8.24
87	2.92	1.750-18 UNS	-	6.35	6.87
88	3.92			7.35	7.87
89	2.92	2.000-18 UNS	-	6.14	6.66
90	3.92			7.14	7.66
91	2.92	2.250-16 UN	-	6.67	7.19
92	3.92			7.67	8.19
93	2.92	2.500-16 UN	-	6.72	7.24
94	3.92			7.72	8.24
95	2.92	1.750-18 UNS	-	6.35	6.87
96	3.92			7.35	7.87
97	2.92	2.000-18 UNS	-	6.14	6.66
98	3.92			7.14	7.66
99	2.92	2.250-16 UN	-	6.67	7.19
100	3.92			7.67	8.19

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MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/10
SHEET 12 OF 22

AS85049/10

TABLE I. DIMENSIONS (CONTINUED).

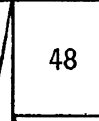
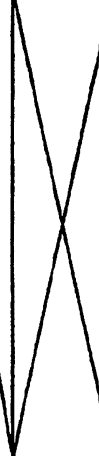
Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max				
101			48		32	1.437	1.875	1	4.00	2.600	3.219
102									5.00		
103	61				12	.500	.750	1	3.00	1.916	1.653
104									4.00		
105					16	.625	.937	1	3.00	2.000	1.653
106									4.00		
107					20	.875	1.250	2	3.75	2.230	1.653
108									4.75		
109					24	1.000	1.375	2	3.75	2.024	1.653
110									4.75		
111	7	12	12,12S	12	10	.350	.500	1	2.00	1.844	.858
112	19	16	16,16S	16	6	.250	.437	1	2.00	1.544	1.112
113									3.00		
114	7	12	12,12S	12	4	.125	.312	1	2.00	1.544	.858
115									3.00		
116	12	14	14,14S	14	6	.250	.437	1	2.00	1.544	.984
117									3.00		
118	19	16	16,16S	16	16	.350	.625	1	2.00	1.844	1.112
119									3.00		

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
101	2.92	2.500-16 UN	-	6.72	7.24
102	3.92			7.72	8.24
103	1.92	1.1875-18 UNEF	-	5.03	5.39
104	2.92			6.03	6.39
105	1.92	1.4375-18 UNEF	-	5.12	5.48
106	2.92			6.12	6.48
107	2.67	1.750-18 UNS	1.969	6.10	6.46
108	3.67			7.10	7.46
109	2.67	2.000-18 UNS	1.969	5.89	6.25
110	3.67			6.89	7.25
111	1.00	1.000-20 UNEF	-	3.96	4.32
112	1.00	.750-20 UNEF	-	3.66	4.02
113	2.00			4.66	5.02
114	1.00	.625-24 UNEF	-	3.66	4.02
115	2.00			4.66	5.02
116	1.00	.750-20 UNEF	-	3.66	4.02
117	2.00			4.66	5.02
118	0.92	1.000-20 UNEF	-	3.96	4.32
119	1.92			4.96	5.32

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B +.125	C Ref	D Dia Max	
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max					
120	27	18	18	18	4	.125	.312	1	2.00	1.544	1.218	
121									3.00			
122					6	.250	.437	1	2.00	1.544	1.218	
123									3.00			
124	37	20	20	20	6	.250	.437	1	3.00	1.544	1.345	
125									4.00			
126		22	22	22	4	.125	.312	1	3.00	1.544	1.468	
127									4.00			
128					6	.250	.437	1	3.00	1.544	1.468	
129									4.00			
130		24	24	24	10	.350	.625	1	3.00	1.844	1.593	
131									4.00			
132			36		12	.500	.750	1	4.00	1.916	2.469	
133									5.00			
134			40		12	.500	.750	1	4.00	1.916	2.719	
135									5.00			
136		10	10S, 10SL	10	6	.250	.375	1	2.00	1.544	.734	
137									3.00			
138	7	12	12, 12S	12	10	.350	.500	1	2.00	1.844	.858	
139									3.00			

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	E Ref	V Thread Class 2A	F Dia Max	G Max	H Max
120	0.92	.625-24 UNEF	-	3.66	4.02
121	1.92			4.66	5.02
122	0.92	.750-20 UNEF	-	3.66	4.02
123	1.92			4.66	5.02
124	1.92	.750-20 UNEF	-	4.66	5.02
125	2.92			5.66	6.02
126	1.92	.625-24 UNEF	-	4.66	5.02
127	2.97			5.66	6.02
128	1.92	.750-20 UNEF	-	4.66	5.02
129	2.92			5.66	6.02
130	1.92	1.000-20 UNEF	-	4.96	5.32
131	2.92			5.96	6.32
132	2.92	1.1875-18 UNEF	-	6.04	6.56
133	3.92			7.04	7.56
134	2.92	1.1875-18 UNEF	-	6.04	6.56
135	3.92			7.04	7.56
136	1.06	.750-20 UNEF	-	3.66	4.02
137	2.06			4.66	5.02
138	1.06	1.000-20 UNEF	-	3.96	4.32
139	2.06			4.96	5.32

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,
CATEGORY 1A (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2,
MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

AS85049/10
SHEET 16 OF 22

AS85049/10

TABLE I. DIMENSIONS (CONTINUED).

Dash No.	Fits Shell of Connector				Clamp Size	A (see note 6) Wire Bundle Accommodation Range		Style	B	C	D Dia	
	MIL-C-81703 Ser 3	MIL-C-26482 Ser 2	MIL-C-5015 Crimp	MIL-C-83723 Ser III		Min	Max		+.125	Ref	Max	
140	37	20	20	20	16	.625	.904	1	3.00	2.000	1.345	
141									4.00			
142		22	22	22	20	.875	1.029	1	3.00	2.230	1.468	
143									4.00			
144		24	24	24	20	.875	1.144	1	3.00	2.230	1.593	
145									4.00			
146			36		32	1.437	1.840	1	4.00	2.600	2.469	
147									5.00			
148					16	.625	.937	1	4.00	2.000	2.469	
149									5.00			
150	12	14	14,14S	14	4	.125	.312	1	2.00	1.544	.984	
151									3.00			
152	19	16	16,16S	16	4	.125	.312	1	2.00	1.544	1.112	
153									3.00			
154			44		16	.625	.937	1	4.00	2.000	2.969	
155									5.00			
156			40		16	.625	.937	1	4.00	2.000	2.719	
157									5.00			