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AS85049™/10

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO MODIFY DRAWINGS TO SHOW ALL STYLE 2 DIMENSIONS AND IMPROVE QUALITY, TO CLARIFY USAGE RESTRICTIONS, TO ADD AS95234 CONNECTORS TO THE TITLE, AND TO UPDATE DOCUMENT FORMAT/DETAILS TO LATEST SAE GUIDELINES.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

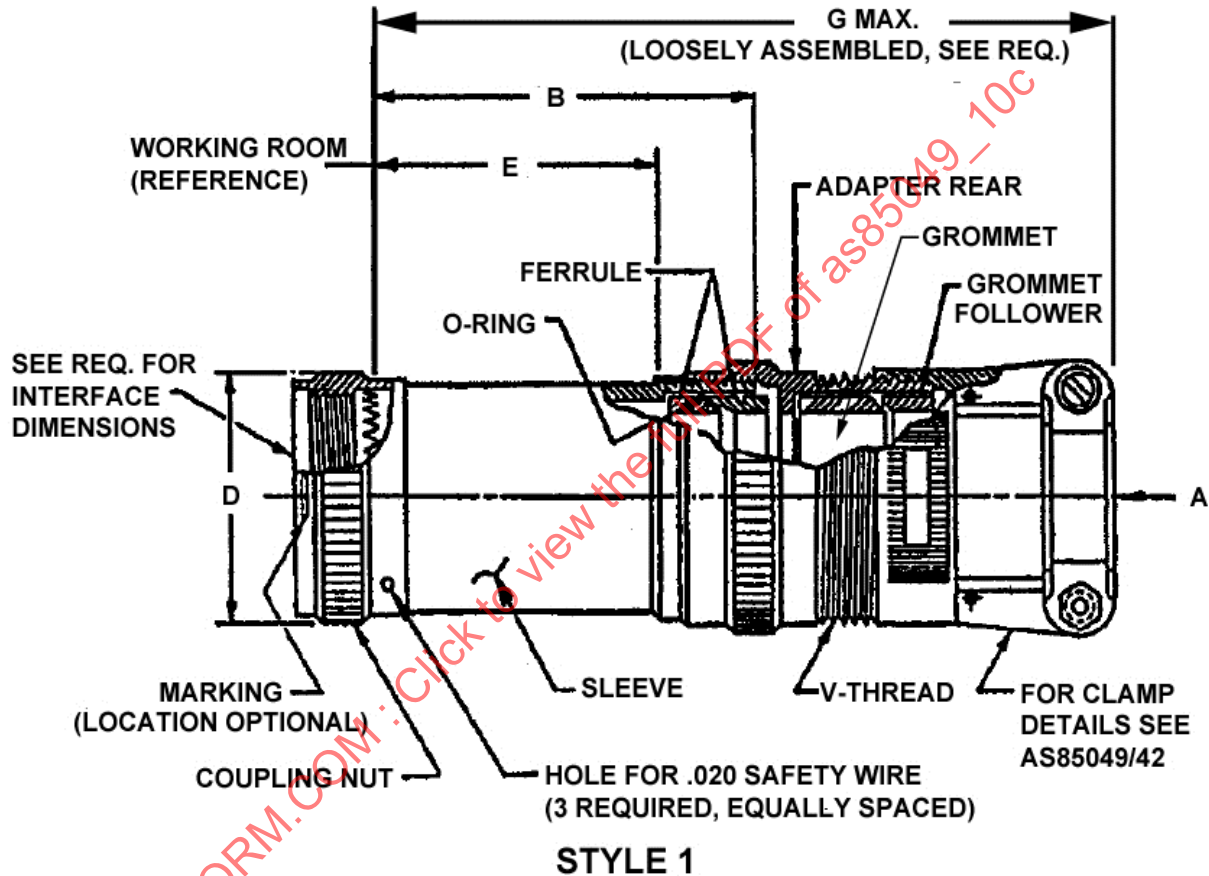
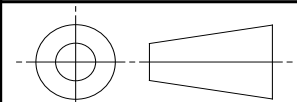


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS (STYLE 1)

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/10C/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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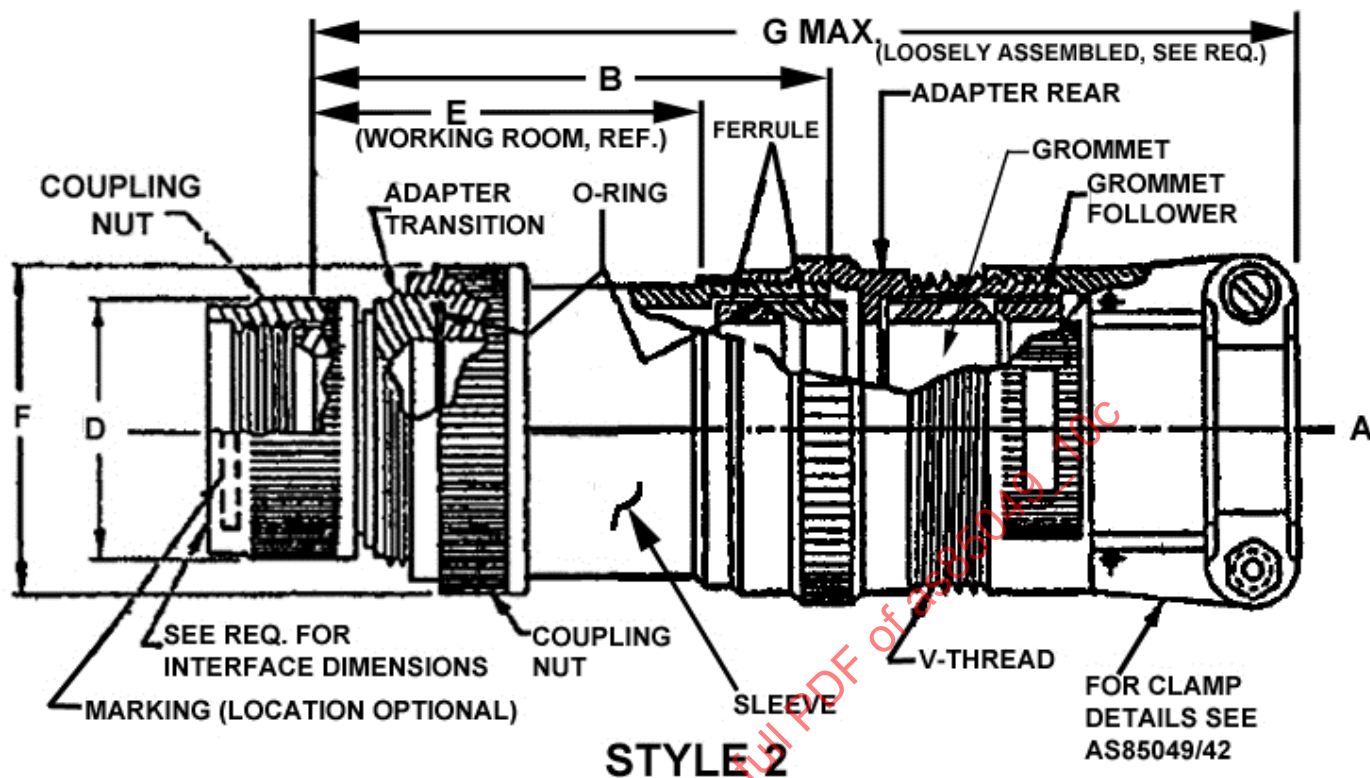


FIGURE 2 - ACCESSORY CONFIGURATION AND DIMENSIONS (STYLE 2)

TABLE 1 - DIMENSIONS

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
01	3	--	--	--	4	.125 (3.18)	.250 (6.35)	1	2.00 (50.80)	.669 (16.99)
02	3	--	--	--	4	.125 (3.18)	.250 (6.35)	1	3.00 (76.20)	.669 (16.99)
03	3	--	--	--	6	.250 (6.35)	.437 (11.10)	2	2.75 (69.85)	.669 (16.99)
04	3	--	--	--	6	.250 (6.35)	.437 (11.10)	2	3.75 (95.25)	.669 (16.99)
05	--	8	8S	8	4	.125 (3.18)	.250 (6.35)	1	2.00 (50.80)	.617 (15.67)
06	--	8	8S	8	4	.125 (3.18)	.250 (6.35)	1	3.00 (76.20)	.617 (15.67)
07	--	8	8S	8	6	.250 (6.35)	.437 (11.10)	2	2.75 (69.85)	.617 (15.67)
08	--	8	8S	8	6	.250 (6.35)	.437 (11.10)	2	3.75 (95.25)	.617 (15.67)
09	--	10	10S,10SL	10	4	.125 (3.18)	.312 (7.92)	1	2.00 (50.80)	.734 (18.64)
10	--	10	10S,10SL	10	4	.125 (3.18)	.312 (7.92)	1	3.00 (76.20)	.734 (18.64)
11	--	10	10S,10SL	10	6	.250 (6.35)	.437 (11.10)	2	2.75 (69.85)	.734 (18.64)
12	--	10	10S,10SL	10	6	.250 (6.35)	.437 (11.10)	2	3.75 (95.25)	.734 (18.64)
13	7	12	12,12S	12	6	.250 (6.35)	.437 (11.10)	1	2.00 (50.80)	.858 (21.79)
14	7	12	12,12S	12	6	.250 (6.35)	.437 (11.10)	1	3.00 (76.20)	.858 (21.79)
15	7	12	12,12S	12	10	.350 (8.89)	.625 (15.88)	2	2.75 (69.85)	.858 (21.79)
16	7	12	12,12S	12	10	.350 (8.89)	.625 (15.88)	2	3.75 (95.25)	.858 (21.79)
17	12	14	14,14S	14	10	.350 (8.89)	.575 (14.61)	1	2.00 (50.80)	.984 (24.99)
18	12	14	14,14S	14	10	.350 (8.89)	.575 (14.61)	1	3.00 (76.20)	.984 (24.99)
19	12	14	14,14S	14	12	.500 (12.70)	.750 (19.05)	2	2.75 (69.85)	.984 (24.99)
20	12	14	14,14S	14	12	.500 (12.70)	.750 (19.05)	2	3.75 (95.25)	.984 (24.99)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA. MAX.	G MAX.
01	1.06 (26.92)	.625-24 UNEF	--	4.28 (108.71)
02	2.06 (52.32)	.625-24 UNEF	--	5.28 (134.11)
03	1.81 (45.97)	.750-20 UNEF	.858 (21.79)	5.02 (127.51)
04	2.81 (71.37)	.750-20 UNEF	.858 (21.79)	6.02 (152.91)
05	1.06 (26.92)	.625-24 UNEF	--	4.28 (108.71)
06	2.06 (52.32)	.625-24 UNEF	--	5.28 (134.11)
07	1.81 (45.97)	.750-20 UNEF	.858 (21.79)	5.02 (127.51)
08	2.81 (71.37)	.750-20 UNEF	.858 (21.79)	6.02 (152.91)
09	1.06 (26.92)	.625-24 UNEF	--	4.28 (108.71)
10	2.06 (52.32)	.625-24 UNEF	--	5.28 (134.11)
11	1.81 (45.97)	.750-20 UNEF	.858 (21.79)	5.02 (127.51)
12	2.81 (71.37)	.750-20 UNEF	.858 (21.79)	6.02 (152.91)
13	1.06 (26.92)	.750-20 UNEF	--	4.26 (108.20)
14	2.06 (52.32)	.750-20 UNEF	--	5.26 (133.60)
15	1.67 (42.42)	1.000-20 UNEF	1.112 (28.24)	5.02 (127.51)
16	2.67 (67.82)	1.000-20 UNEF	1.112 (28.24)	6.02 (152.91)
17	.92 (23.37)	1.000-20 UNEF	--	4.26 (108.20)
18	1.92 (48.77)	1.000-20 UNEF	--	5.26 (133.60)
19	1.67 (42.42)	1.1875-18 UNEF	1.218 (30.94)	5.08 (129.03)
20	2.87 (72.90)	1.1875-18 UNEF	1.218 (30.94)	6.08 (154.43)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS05234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
21	19	16	16,16S	16	12	.500 (12.70)	.700 (17.78)	1	2.00 (50.80)	1.112 (28.24)
22	19	16	16,16S	16	12	.500 (12.70)	.700 (17.78)	1	3.00 (76.20)	1.112 (28.24)
23	19	16	16,16S	16	16	.625 (15.88)	.937 (23.80)	2	2.75 (69.85)	1.112 (28.24)
24	19	16	16,16S	16	16	.625 (15.88)	.937 (23.80)	2	3.75 (95.25)	1.112 (28.24)
25	27	18	18	18	10	.350 (8.89)	.625 (15.88)	1	2.00 (50.80)	1.218 (30.94)
26	27	18	18	18	10	.350 (8.89)	.625 (15.88)	1	3.00 (76.20)	1.218 (30.94)
27	27	18	18	18	12	.500 (12.70)	.750 (19.05)	1	2.00 (50.80)	1.218 (30.94)
28	27	18	18	18	12	.500 (12.70)	.750 (19.05)	1	3.00 (76.20)	1.218 (30.94)
29	27	18	18	18	16	.625 (15.88)	.937 (23.80)	2	2.75 (69.85)	1.218 (30.94)
30	27	18	18	18	16	.625 (15.88)	.937 (23.80)	2	3.75 (95.25)	1.218 (30.94)
31	37	20	20	20	10	.350 (8.89)	.625 (15.88)	1	3.00 (76.20)	1.345 (34.16)
32	37	20	20	20	10	.350 (8.89)	.625 (15.88)	1	4.00 (101.60)	1.345 (34.16)
33	37	20	20	20	12	.500 (12.70)	.750 (19.05)	1	3.00 (76.20)	1.345 (34.16)
34	37	20	20	20	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	1.345 (34.16)
35	37	20	20	20	16	.625 (15.88)	.937 (23.80)	2	3.75 (95.25)	1.345 (34.16)
36	37	20	20	20	16	.625 (15.88)	.937 (23.80)	2	4.75 (120.65)	1.345 (34.16)
37	37	20	20	20	20	.875 (22.23)	1.250 (31.75)	2	3.75 (95.25)	1.345 (34.16)
38	37	20	20	20	20	.875 (22.23)	1.250 (31.75)	2	4.75 (120.65)	1.345 (34.16)
39	--	22	22	22	10	.350 (8.89)	.625 (15.88)	1	3.00 (76.20)	1.468 (37.29)
40	--	22	22	22	10	.350 (8.89)	.625 (15.88)	1	4.00 (101.60)	1.468 (37.29)



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2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA. MAX.	G MAX.
21	.92 (23.37)	1.1875-18 UNEF	--	4.33 (109.98)
22	1.92 (48.77)	1.1875-18 UNEF	--	5.33 (135.38)
23	1.67 (42.42)	1.4375-18 UNEF	1.468 (37.29)	5.17 (131.32)
24	2.67 (67.82)	1.4375-18 UNEF	1.468 (37.29)	6.17 (156.72)
25	.92 (23.37)	1.000-20 UNEF	--	4.26 (108.20)
26	1.92 (48.77)	1.000-20 UNEF	--	5.26 (133.60)
27	.92 (23.37)	1.1875-18 UNEF	--	4.33 (109.98)
28	1.92 (48.77)	1.1875-18 UNEF	--	5.33 (135.38)
29	1.67 (42.42)	1.4375-18 UNEF	1.468 (37.29)	5.17 (131.32)
30	2.67 (67.82)	1.4375-18 UNEF	1.468 (37.29)	6.17 (156.72)
31	1.92 (48.77)	1.000-20 UNEF	--	5.26 (133.60)
32	2.92 (74.17)	1.000-20 UNEF	--	6.26 (159.00)
33	1.92 (48.77)	1.1875-18 UNEF	--	5.33 (135.38)
34	2.92 (74.17)	1.1875-18 UNEF	--	6.33 (160.78)
35	2.67 (67.82)	1.4375-18 UNEF	1.468 (37.29)	6.17 (156.72)
36	3.67 (93.22)	1.4375-18 UNEF	1.468 (37.29)	7.17 (182.12)
37	2.67 (67.82)	1.750-18 UNS	1.969 (50.01)	6.32 (160.53)
38	3.67 (93.22)	1.750-18 UNS	1.969 (50.01)	7.32 (185.93)
39	1.92 (48.77)	1.000-20 UNEF	--	5.26 (133.60)
40	2.92 (74.17)	1.000-20 UNEF	--	6.26 (159.00)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
41	--	22	22	22	12	.500 (12.70)	.750 (19.05)	1	3.00 (76.20)	1.468 (37.29)
42	--	22	22	22	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	1.468 (37.29)
43	--	22	22	22	16	.625 (15.88)	.937 (23.80)	1	3.00 (76.20)	1.468 (37.29)
44	--	22	22	22	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	1.468 (37.29)
45	--	22	22	22	20	.875 (22.23)	1.250 (31.75)	2	3.75 (95.25)	1.468 (37.29)
46	--	22	22	22	20	.875 (22.23)	1.250 (31.75)	2	4.75 (120.65)	1.468 (37.29)
47	--	24	24	24	12	.500 (12.70)	.750 (19.05)	1	3.00 (76.20)	1.593 (40.46)
48	--	24	24	24	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	1.593 (40.46)
49	--	24	24	24	16	.625 (15.88)	.812 (20.62)	1	3.00 (76.20)	1.593 (40.46)
50	--	24	24	24	16	.625 (15.88)	.812 (20.62)	1	4.00 (101.60)	1.593 (40.46)
51	--	24	24	24	16	.625 (15.88)	.937 (23.80)	1	3.00 (76.20)	1.593 (40.46)
52	--	24	24	24	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	1.593 (40.46)
53	--	24	24	24	20	.875 (22.23)	1.250 (31.75)	2	3.75 (95.25)	1.593 (40.46)
54	--	24	24	24	20	.875 (22.23)	1.250 (31.75)	2	4.75 (120.65)	1.593 (40.46)
55	--	--	28	--	12	.500 (12.70)	.750 (19.05)	1	3.00 (76.20)	1.969 (50.01)
56	--	--	28	--	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	1.969 (50.01)
57	--	--	28	--	16	.625 (15.88)	.937 (23.80)	1	3.00 (76.20)	1.969 (50.01)
58	--	--	28	--	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	1.969 (50.01)
59	--	--	28	--	20	.875 (22.23)	1.250 (31.75)	1	3.00 (76.20)	1.969 (50.01)
60	--	--	28	--	20	.875 (22.23)	1.250 (31.75)	1	4.00 (101.60)	1.969 (50.01)



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2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA. MAX.	G MAX.
41	1.92 (48.77)	1.1875-18 UNEF	-	5.33 (135.38)
42	2.92 (74.17)	1.1875-18 UNEF	-	6.33 (160.78)
43	1.92 (48.77)	1.4375-18 UNEF	-	5.42 (137.67)
44	2.92 (74.17)	1.4375-18 UNEF	-	6.42 (163.07)
45	2.67 (67.82)	1.750-18 UNS	1.969 (50.01)	6.26 (159.00)
46	3.67 (93.22)	1.750-18 UNS	1.969 (50.01)	7.26 (184.40)
47	1.92 (48.77)	1.1875-18 UNEF	-	5.33 (135.38)
48	2.92 (74.17)	1.1875-18 UNEF	-	6.33 (160.78)
49	1.92 (48.77)	1.4375-18 UNEF	-	5.42 (137.67)
50	2.92 (74.17)	1.4375-18 UNEF	-	6.42 (163.07)
51	1.92 (48.77)	1.4375-18 UNEF	-	5.42 (137.67)
52	2.92 (74.17)	1.4375-18 UNEF	-	6.42 (163.07)
53	2.67 (67.82)	1.750-18 UNS	1.969 (50.01)	6.26 (159.00)
54	3.67 (93.22)	1.750-18 UNS	1.969 (50.01)	7.26 (184.40)
55	1.92 (48.77)	1.1875-18 UNEF	-	5.34 (135.64)
56	2.92 (74.17)	1.1875-18 UNEF	-	6.34 (161.04)
57	1.92 (48.77)	1.4375-18 UNEF	-	5.42 (137.67)
58	2.92 (74.17)	1.4375-18 UNEF	-	6.42 (163.07)
59	1.92 (48.77)	1.750-18 UNS	-	5.57 (141.48)
60	2.92 (74.17)	1.750-18 UNS	-	6.57 (166.88)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
61	--	--	28	--	24	1.000 (25.40)	1.375 (34.93)	1	3.00 (76.20)	1.969 (50.01)
62	--	--	28	--	24	1.000 (25.40)	1.375 (34.93)	1	4.00 (101.60)	1.969 (50.01)
63	--	--	32	--	16	.625 (15.88)	.937 (23.80)	1	3.00 (76.20)	2.219 (56.36)
64	--	--	32	--	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	2.219 (56.36)
65	--	--	32	--	20	.875 (22.23)	1.250 (31.75)	1	3.00 (76.20)	2.219 (56.36)
66	--	--	32	--	20	.875 (22.23)	1.250 (31.75)	1	4.00 (101.60)	2.219 (56.36)
67	--	--	32	--	24	1.000 (25.40)	1.375 (34.93)	1	3.00 (76.20)	2.219 (56.36)
68	--	--	32	--	24	1.000 (25.40)	1.375 (34.93)	1	4.00 (101.60)	2.219 (56.36)
69	--	--	32	--	28	1.250 (31.75)	1.625 (41.28)	1	3.00 (76.20)	2.219 (56.36)
70	--	--	32	--	28	1.250 (31.75)	1.625 (41.28)	1	4.00 (101.60)	2.219 (56.36)
71	--	--	36	--	20	.875 (22.23)	1.250 (31.75)	1	4.00 (101.60)	2.469 (62.71)
72	--	--	36	--	20	.875 (22.23)	1.250 (31.75)	1	5.00 (127.00)	2.469 (62.71)
73	--	--	36	--	24	1.000 (25.40)	1.375 (34.93)	1	4.00 (101.60)	2.469 (62.71)
74	--	--	36	--	24	1.000 (25.40)	1.375 (34.93)	1	5.00 (127.00)	2.469 (62.71)
75	--	--	36	--	28	1.250 (31.75)	1.625 (41.28)	1	4.00 (101.60)	2.469 (62.71)
76	--	--	36	--	28	1.250 (31.75)	1.625 (41.28)	1	5.00 (127.00)	2.469 (62.71)
77	--	--	36	--	32	1.437 (36.50)	1.875 (47.63)	2	4.88 (123.95)	2.469 (62.71)
78	--	--	36	--	32	1.437 (36.50)	1.875 (47.63)	2	5.88 (149.35)	2.469 (62.71)
79	--	--	40	--	20	.875 (22.23)	1.250 (31.75)	1	4.00 (101.60)	2.719 (69.06)
80	--	--	40	--	20	.875 (22.23)	1.250 (31.75)	1	5.00 (127.00)	2.719 (69.06)



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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA. MAX.	G MAX.
61	1.92 (48.77)	2.000-18 UNS	--	5.60 (142.24)
62	2.92 (74.17)	2.000-18 UNS	--	6.60 (167.64)
63	1.92 (48.77)	1.4375-18 UNEF	--	5.42 (137.67)
64	2.92 (74.17)	1.4375-18 UNEF	--	6.42 (163.07)
65	1.92 (48.77)	1.750-18 UNS	--	5.57 (141.48)
66	2.92 (74.17)	1.750-18 UNS	--	6.57 (166.88)
67	1.92 (48.77)	2.000-18 UNS	--	5.60 (142.24)
68	2.92 (74.17)	2.000-18 UNS	--	6.60 (167.64)
69	1.92 (48.77)	2.250-16 UN	--	5.86 (148.84)
70	2.92 (74.17)	2.250-16 UN	--	6.86 (174.24)
71	2.92 (74.17)	1.750-18 UNS	--	6.57 (166.88)
72	3.92 (99.57)	1.750-18 UNS	--	7.57 (192.28)
73	2.92 (74.17)	2.000-18 UNS	--	6.60 (167.64)
74	3.92 (99.57)	2.000-18 UNS	--	7.60 (193.04)
75	2.92 (74.17)	2.250-16 UN	--	6.86 (174.24)
76	3.92 (99.57)	2.250-16 UN	--	7.86 (199.64)
77	3.80 (96.52)	2.500-16 UN	2.719 (69.06)	7.70 (195.58)
78	4.80 (121.92)	2.500-16 UN	2.719 (69.06)	8.70 (220.98)
79	2.92 (74.17)	1.750-18 UNS	--	6.57 (166.88)
80	3.92 (99.57)	1.750-18 UNS	--	7.57 (192.28)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
81	--	--	40	--	24	1.000 (25.40)	1.375 (34.93)	1	4.00 (101.60)	2.719 (69.06)
82	--	--	40	--	24	1.000 (25.40)	1.375 (34.93)	1	5.00 (127.00)	2.719 (69.06)
83	--	--	40	--	28	1.250 (31.75)	1.625 (41.28)	1	4.00 (101.60)	2.719 (69.06)
84	--	--	40	--	28	1.250 (31.75)	1.625 (41.28)	1	5.00 (127.00)	2.719 (69.06)
85	--	--	40	--	32	1.437 (36.50)	1.875 (47.63)	1	4.00 (101.60)	2.719 (69.06)
86	--	--	40	--	32	1.437 (36.50)	1.875 (47.63)	1	5.00 (127.00)	2.719 (69.06)
87	--	--	44	--	20	.875 (22.23)	1.250 (31.75)	1	4.00 (101.60)	2.969 (75.41)
88	--	--	44	--	20	.875 (22.23)	1.250 (31.75)	1	5.00 (127.00)	2.969 (75.41)
89	--	--	44	--	24	1.000 (25.40)	1.375 (34.93)	1	4.00 (101.60)	2.969 (75.41)
90	--	--	44	--	24	1.000 (25.40)	1.375 (34.93)	1	5.00 (127.00)	2.969 (75.41)
91	--	--	44	--	28	1.250 (31.75)	1.625 (41.28)	1	4.00 (101.60)	2.969 (75.41)
92	--	--	44	--	28	1.250 (31.75)	1.625 (41.28)	1	5.00 (127.00)	2.969 (75.41)
93	--	--	44	--	32	1.437 (36.50)	1.875 (47.63)	1	4.00 (101.60)	2.969 (75.41)
94	--	--	44	--	32	1.437 (36.50)	1.875 (47.63)	1	5.00 (127.00)	2.969 (75.41)
95	--	--	48	--	20	.875 (22.23)	1.250 (31.75)	1	4.00 (101.60)	3.219 (81.76)
96	--	--	48	--	20	.875 (22.23)	1.250 (31.75)	1	5.00 (127.00)	3.219 (81.76)
97	--	--	48	--	24	1.000 (25.40)	1.375 (34.93)	1	4.00 (101.60)	3.219 (81.76)
98	--	--	48	--	24	1.000 (25.40)	1.375 (34.93)	1	5.00 (127.00)	3.219 (81.76)
99	--	--	48	--	28	1.250 (31.75)	1.625 (41.28)	1	4.00 (101.60)	3.219 (81.76)
100	--	--	48	--	28	1.250 (31.75)	1.625 (41.28)	1	5.00 (127.00)	3.219 (81.76)



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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REV.
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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA MAX.	G MAX.
81	2.92 (74.17)	2.000-18 UNS	--	6.60 (167.64)
82	3.92 (99.57)	2.000-18 UNS	--	7.60 (193.04)
83	2.92 (74.17)	2.250-16 UN	--	7.07 (179.58)
84	3.92 (99.57)	2.250-16 UN	--	8.07 (204.98)
85	2.92 (74.17)	2.500-16 UN	--	7.12 (180.85)
86	3.92 (99.57)	2.500-16 UN	--	8.12 (206.25)
87	2.92 (74.17)	1.750-18 UNS	--	6.75 (171.45)
88	3.92 (99.57)	1.750-18 UNS	--	7.75 (196.85)
89	2.92 (74.17)	2.000-18 UNS	--	6.60 (167.64)
90	3.92 (99.57)	2.000-18 UNS	--	7.60 (193.04)
91	2.92 (74.17)	2.250-16 UN	--	7.07 (179.58)
92	3.92 (99.57)	2.250-16 UN	--	8.07 (204.98)
93	2.92 (74.17)	2.500-16 UN	--	7.12 (180.85)
94	3.92 (99.57)	2.500-16 UN	--	8.12 (206.25)
95	2.92 (74.17)	1.750-18 UNS	--	6.75 (171.45)
96	3.92 (99.57)	1.750-18 UNS	--	7.75 (196.85)
97	2.92 (74.17)	2.000-18 UNS	--	6.60 (167.64)
98	3.92 (99.57)	2.000-18 UNS	--	7.60 (193.04)
99	2.92 (74.17)	2.250-16 UN	--	7.07 (179.58)
100	3.92 (99.57)	2.250-16 UN	--	8.07 (204.98)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
101	--	--	48	--	32	1.437 (36.50)	1.875 (47.63)	1	4.00 (101.60)	3.219 (81.76)
102	--	--	48	--	32	1.437 (36.50)	1.875 (47.63)	1	5.00 (127.00)	3.219 (81.76)
103	61	--	--	--	12	.500 (12.70)	.750 (19.05)	1	3.00 (76.20)	1.653 (41.99)
104	61	--	--	--	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	1.653 (41.99)
105	61	--	--	--	16	.625 (15.88)	.937 (23.80)	1	3.00 (76.20)	1.653 (41.99)
106	61	--	--	--	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	1.653 (41.99)
107	61	--	--	--	20	.875 (22.23)	1.250 (31.75)	2	3.75 (95.25)	1.653 (41.99)
108	61	--	--	--	20	.875 (22.23)	1.250 (31.75)	2	4.75 (120.65)	1.653 (41.99)
109	61	--	--	--	24	1.000 (25.40)	1.375 (34.93)	2	3.75 (95.25)	1.653 (41.99)
110	61	--	--	--	24	1.000 (25.40)	1.375 (34.93)	2	4.75 (120.65)	1.653 (41.99)
111	7	12	12,12S	12	10	.350 (8.89)	.500 (12.70)	1	2.00 (50.80)	.858 (21.79)
112	19	16	16,16S	16	6	.250 (6.35)	.437 (11.10)	1	2.00 (50.80)	1.112 (28.24)
113	19	16	16,16S	16	6	.250 (6.35)	.437 (11.10)	1	3.00 (76.20)	1.112 (28.24)
114	7	12	12,12S	12	4	.125 (3.18)	.312 (7.92)	1	2.00 (50.80)	.858 (21.79)
115	7	12	12,12S	12	4	.125 (3.18)	.312 (7.92)	1	3.00 (76.20)	.858 (21.79)
116	12	14	14,14S	14	6	.250 (6.35)	.437 (11.10)	1	2.00 (50.80)	.984 (24.99)
117	12	14	14,14S	14	6	.250 (6.35)	.437 (11.10)	1	3.00 (76.20)	.984 (24.99)
118	19	16	16,16S	16	10	.350 (8.89)	.625 (15.88)	1	2.00 (50.80)	1.112 (28.24)
119	19	16	16,16S	16	10	.350 (8.89)	.625 (15.88)	1	3.00 (76.20)	1.112 (28.24)



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(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION,
CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES
2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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**REV.
C**

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA. MAX.	G MAX.
101	2.92 (74.17)	2.500-16 UN	--	6.86 (174.24)
102	3.92 (99.57)	2.500-16 UN	--	7.86 (199.64)
103	1.92 (48.77)	1.1875-18 UNEF	--	5.33 (135.38)
104	2.92 (74.17)	1.1875-18 UNEF	--	6.33 (160.78)
105	1.92 (48.77)	1.4375-18 UNEF	--	5.42 (137.67)
106	2.92 (74.17)	1.4375-18 UNEF	--	6.42 (163.07)
107	2.67 (67.82)	1.750-18 UNS	1.969 (50.01)	6.32 (160.53)
108	3.67 (93.22)	1.750-18 UNS	1.969 (50.01)	7.50 (190.50)
109	2.67 (67.82)	2.000-18 UNS	1.969 (50.01)	6.35 (161.29)
110	3.67 (93.22)	2.000-18 UNS	1.969 (50.01)	7.35 (186.69)
111	1.00 (25.40)	1.000-20 UNEF	--	4.26 (108.20)
112	1.00 (25.40)	1.000-20 UNEF	--	4.26 (108.20)
113	2.00 (50.80)	.750-20 UNEF	--	5.26 (133.60)
114	1.00 (25.40)	.750-20 UNEF	--	4.28 (108.71)
115	2.00 (50.80)	.625-24 UNEF	--	5.28 (134.11)
116	1.00 (25.40)	.625-24 UNEF	--	4.26 (108.20)
117	2.00 (50.80)	.750-20 UNEF	--	5.26 (133.60)
118	.92 (23.37)	.750-20 UNEF	--	4.38 (111.25)
119	1.92 (48.77)	1.000-20 UNEF	--	5.38 (136.65)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL-26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
120	27	18	18	18	4	.125 (3.18)	.312 (7.92)	1	2.00 (50.80)	1.218 (30.94)
121	27	18	18	18	4	.125 (3.18)	.312 (7.92)	1	3.00 (76.20)	1.218 (30.94)
122	27	18	18	18	6	.250 (6.35)	.437 (11.10)	1	2.00 (50.80)	1.218 (30.94)
123	27	18	18	18	6	.250 (6.35)	.437 (11.10)	1	3.00 (76.20)	1.218 (30.94)
124	37	20	20	20	6	.250 (6.35)	.437 (11.10)	1	3.00 (76.20)	1.345 (34.16)
125	37	20	20	20	6	.250 (6.35)	.437 (11.10)	1	4.00 (101.60)	1.345 (34.16)
126	--	22	22	22	4	.125 (3.18)	.312 (7.92)	1	3.00 (76.20)	1.468 (37.29)
127	--	22	22	22	4	.125 (3.18)	.312 (7.92)	1	4.00 (101.60)	1.468 (37.29)
128	--	22	22	22	6	.250 (6.35)	.437 (11.10)	1	3.00 (76.20)	1.468 (37.29)
129	--	22	22	22	6	.250 (6.35)	.437 (11.10)	1	4.00 (101.60)	1.468 (37.29)
130	--	24	24	24	10	.350 (8.89)	.625 (15.88)	1	3.00 (76.20)	1.593 (40.46)
131	--	24	24	24	10	.350 (8.89)	.625 (15.88)	1	4.00 (101.60)	1.593 (40.46)
132	--	--	36	--	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	2.469 (62.71)
133	--	--	36	--	12	.500 (12.70)	.750 (19.05)	1	5.00 (127.00)	2.469 (62.71)
134	--	--	40	--	12	.500 (12.70)	.750 (19.05)	1	4.00 (101.60)	2.719 (69.06)
135	--	--	40	--	12	.500 (12.70)	.750 (19.05)	1	5.00 (127.00)	2.719 (69.06)
136	--	10	10S,10S	10	6	.250 (6.35)	.375 (9.53)	1	2.00 (50.80)	.734 (18.64)
137	--	10	10S,10S	10	6	.250 (6.35)	.375 (9.53)	1	3.00 (76.20)	.734 (18.64)
138	7	12	12,12S	12	10	.350 (8.89)	.500 (12.70)	1	2.00 (50.80)	.858 (21.79)
139	7	12	12,12S	12	10	.350 (8.89)	.500 (12.70)	1	3.00 (76.20)	.858 (21.79)



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REV. C

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E REF.	V THREAD CLASS 2A	F DIA. MAX.	G MAX.
120	.92 (23.37)	.625-24 UNEF	--	4.28 (108.71)
121	1.92 (48.77)	.625-24 UNEF	--	5.28 (134.11)
122	.92 (23.37)	.750-20 UNEF	--	4.26 (108.20)
123	1.92 (48.77)	.750-20 UNEF	--	5.26 (133.60)
124	1.92 (48.77)	.750-20 UNEF	--	5.26 (133.60)
125	2.92 (74.17)	.750-20 UNEF	--	6.26 (159.00)
126	1.92 (48.77)	.625-24 UNEF	--	5.28 (134.11)
127	2.97 (75.44)	.625-24 UNEF	--	6.28 (159.51)
128	1.92 (48.77)	.750-20 UNEF	--	5.26 (133.60)
129	2.92 (74.17)	.750-20 UNEF	--	6.26 (159.00)
130	1.92 (48.77)	1.000-20 UNEF	--	5.26 (133.60)
131	2.92 (74.17)	1.000-20 UNEF	--	6.26 (159.00)
132	2.92 (74.17)	1.1875-18 UNEF	--	6.34 (161.04)
133	3.92 (99.57)	1.1875-18 UNEF	--	7.34 (186.44)
134	2.92 (74.17)	1.1875-18 UNEF	--	6.34 (161.04)
135	3.92 (99.57)	1.1875-18 UNEF	--	7.34 (186.44)
136	1.06 (26.92)	.750-20 UNEF	--	4.26 (108.20)
137	2.06 (52.32)	.750-20 UNEF	--	5.26 (133.60)
138	1.06 (26.92)	1.000-20 UNEF	--	4.26 (108.20)
139	2.06 (52.32)	1.000-20 UNEF	--	5.26 (133.60)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A (SEE REQUIREMENTS)		STYLE	B ±.125	D DIA. MAX.
	AS81703 SER 3	MIL-DTL- 26482 SER 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SER III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
140	37	20	20	20	16	.625 (15.88)	.904 (22.96)	1	3.00 (76.20)	1.345 (34.16)
141	37	20	20	20	16	.625 (15.88)	.904 (22.96)	1	4.00 (101.60)	1.345 (34.16)
142	--	22	22	22	20	.875 (22.23)	1.029 (26.14)	1	3.00 (76.20)	1.468 (37.29)
143	--	22	22	22	20	.875 (22.23)	1.029 (26.14)	1	4.00 (101.60)	1.468 (37.29)
144	--	24	24	24	20	.875 (22.23)	1.144 (29.06)	1	3.00 (76.20)	1.593 (40.46)
145	--	24	24	24	20	.875 (22.23)	1.144 (29.06)	1	4.00 (101.60)	1.593 (40.46)
146	--	--	36	--	32	1.437 (36.50)	1.840 (46.74)	1	4.00 (101.60)	2.469 (62.71)
147	--	--	36	--	32	1.437 (36.50)	1.840 (46.74)	1	5.00 (127.00)	2.469 (62.71)
148	--	--	36	--	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	2.469 (62.71)
149	--	--	36	--	16	.625 (15.88)	.937 (23.80)	1	5.00 (127.00)	2.469 (62.71)
150	12	14	14,14S	14	4	.125 (3.18)	.312 (7.92)	1	2.00 (50.80)	.984 (24.99)
151	12	14	14,14S	14	4	.125 (3.18)	.312 (7.92)	1	3.00 (76.20)	.984 (24.99)
152	19	16	16,16S	16	4	.125 (3.18)	.312 (7.92)	1	2.00 (50.80)	1.112 (28.24)
153	19	16	16,16S	16	4	.125 (3.18)	.312 (7.92)	1	3.00 (76.20)	1.112 (28.24)
154	--	--	44	--	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	2.969 (75.41)
155	--	--	44	--	16	.625 (15.88)	.937 (23.80)	1	5.00 (127.00)	2.969 (75.41)
156	--	--	40	--	16	.625 (15.88)	.937 (23.80)	1	4.00 (101.60)	2.719 (69.06)
157	--	--	40	--	16	.625 (15.88)	.937 (23.80)	1	5.00 (127.00)	2.719 (69.06)



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, STRAIGHT, SHIELD TERMINATION, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

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