

REV.
C

AS85049™/7

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO ADD AS95234 CONNECTORS TO THE DOCUMENT TITLE AND TABLE 1, TO MODIFY STYLE 2 FIGURE TO SHOW ENTIRE ACCESSORY/DIMENSIONS AND TO ADD SAFETY WIRE HOLES, TO UPDATE FINISH RESTRICTION WORDING, AND TO UPDATE DOCUMENT FORMAT 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.

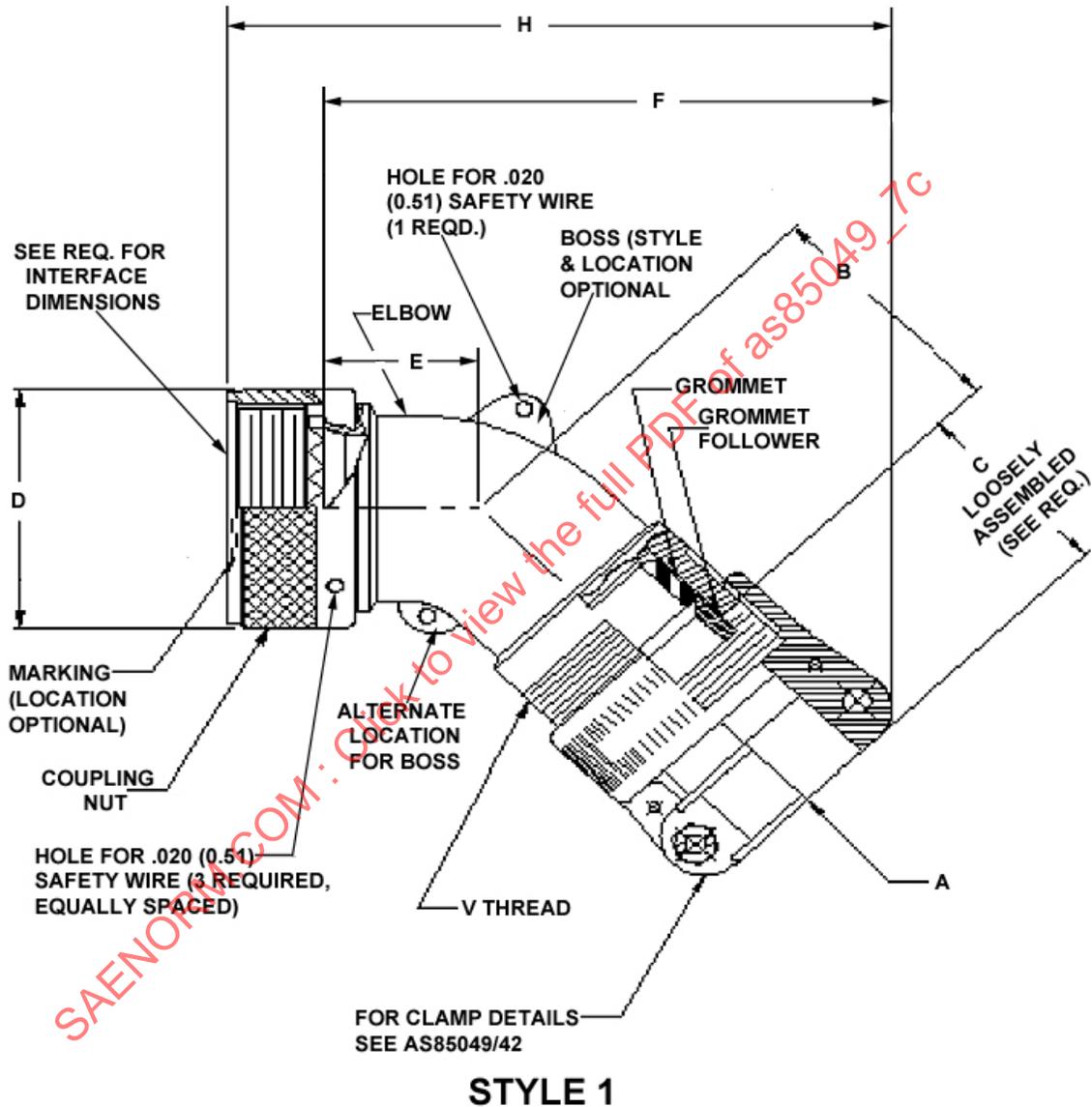
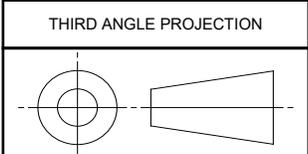


FIGURE 1 – ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/7C/>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, 45°, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049™/7
SHEET 1 OF 8

REV.
C

SAE Executive Standards Committee Rules provide that: " This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

ISSUED 2001-07 REVISED 2016-07 REAFFIRMED 2021-03

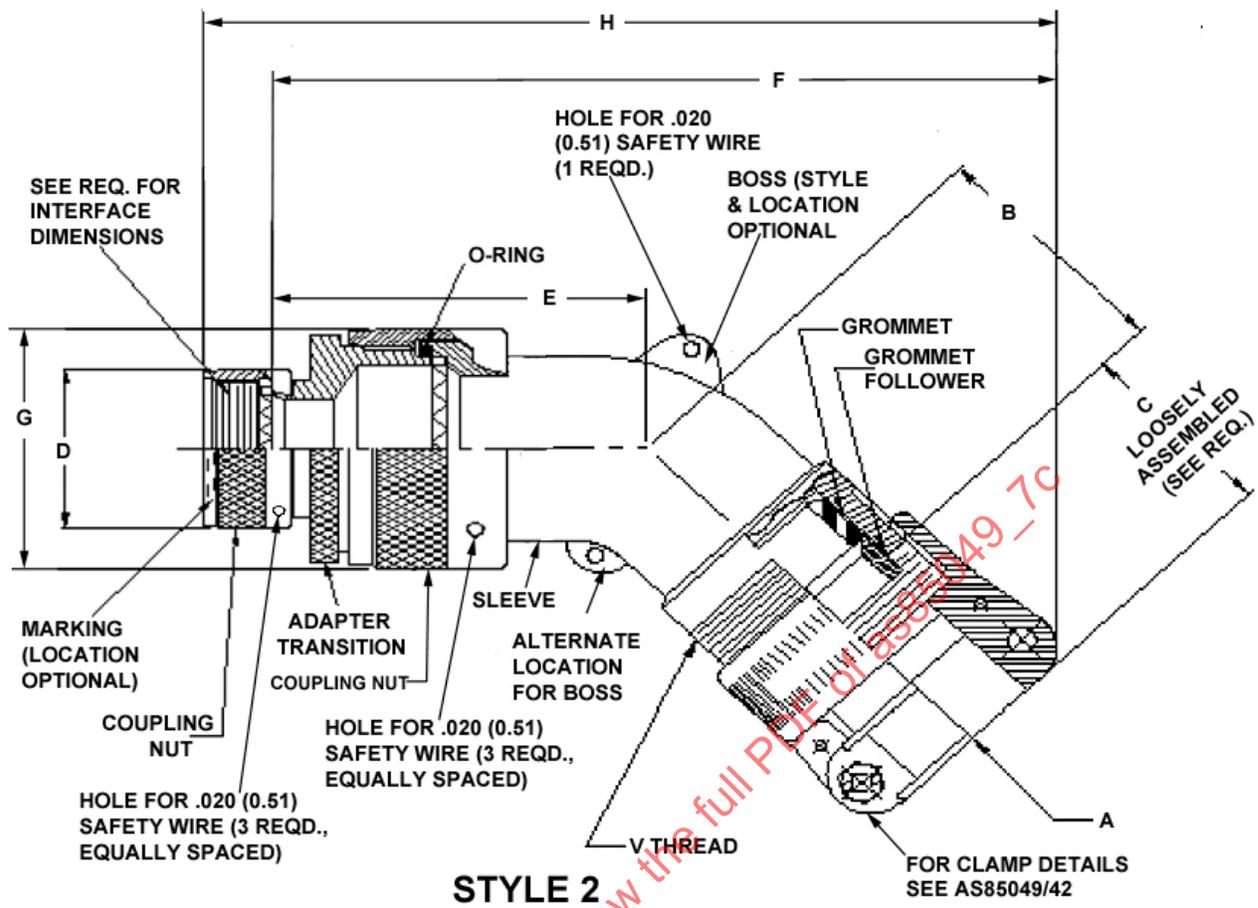


FIGURE 1A - CONFIGURATION AND DIMENSIONS (CONTINUED)

TABLE 1 - FIGURE 1 DIMENSIONS

DASH NO	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE DESIGN REQ.)		STYLE	B ± .125	C REF.
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP AS95234	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
1	3	--	--	--	4	.125 (3.18)	.250 (6.35)	1	1.790 (45.47)	1.027 (26.09)
2					6	.250 (6.35)	.437 (11.10)	2	1.910 (48.51)	1.027 (26.09)
3	--	8	8S	8	4	.125 (3.18)	.250 (6.35)	1	1.182 (30.02)	1.027 (26.09)
4		10	10S, 10SL	10	4	.125 (3.18)	.312 (7.92)	1	1.850 (46.99)	1.027 (26.09)
5					6	.250 (6.35)	.375 (9.53)	1	1.245 (31.62)	1.027 (26.09)
6	7	12	12, 12S	12	4	.125 (3.18)	.312 (7.92)	1	1.910 (48.51)	1.027 (26.09)
7					6	.250 (6.35)	.437 (11.10)	1	1.910 (48.51)	1.027 (26.09)
8					10	.350 (8.89)	.500 (12.70)	1	1.910 (48.51)	1.027 (26.09)
9	12	14	14, 14S	14	6	.250 (6.35)	.437 (11.10)	1	2.000 (50.80)	1.027 (26.09)
10					10	.350 (8.89)	.575 (14.61)	1	1.655 (42.04)	1.027 (26.09)
11	19	16	16, 16S	16	6	.250 (6.35)	.437 (11.10)	1	2.110 (53.59)	1.027 (26.09)
12					12	.500 (12.70)	.700 (17.78)	1	1.750 (44.45)	1.059 (26.90)
13	27	18	18	18	10	.350 (8.89)	.625 (15.88)	1	2.300 (58.42)	1.027 (26.09)
14					16	.625 (15.88)	.779 (19.79)	1	1.938 (49.23)	1.156 (29.36)
15	37	20	20	20	10	.350 (8.89)	.625 (15.88)	1	2.300 (58.42)	1.027 (26.09)
16					16	.625 (15.88)	.904 (22.96)	1	1.938 (49.23)	1.156 (29.36)

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	D DIA. MAX.	E ±.125	V THREAD CLASS 2A	F MAX.	G DIA. MAX.	H MAX.
1	.669 (16.99)	.561 (14.25)	.625 - 24 UNEF	3.37 (85.60)	–	3.74 (95.00)
2	.669 (16.99)	1.375 (34.93)	.750 - 20 UNEF	4.33 (109.98)	.858 (21.79)	4.70 (119.38)
3	.617 (15.67)	.500 (12.70)	.625 - 24 UNEF	2.88 (73.15)	–	3.25 (82.55)
4	.734 (18.64)	.561 (14.25)	.625 - 24 UNEF	3.41 (86.61)	–	3.78 (96.01)
5	.734 (18.64)	.561 (14.25)	.750 - 20 UNEF	3.05 (77.47)	–	3.42 (86.87)
6	.858 (21.79)	.625 (15.88)	.625 - 24 UNEF	3.52 (89.41)	–	3.89 (98.81)
7	.858 (21.79)	.625 (15.88)	.750 - 20 UNEF	3.58 (90.93)	–	3.95 (100.33)
8	.858 (21.79)	.625 (15.88)	1.000 - 20 UNEF	3.86 (98.04)	–	4.23 (107.44)
9	.984 (24.99)	.688 (17.48)	.750 - 20 UNEF	3.71 (94.23)	–	4.08 (103.63)
10	.984 (24.99)	.688 (17.48)	1.000 - 20 UNEF	3.74 (95.00)	–	4.11 (104.39)
11	1.112 (28.24)	.781 (19.84)	.750 - 20 UNEF	3.88 (98.55)	–	4.25 (107.95)
12	1.112 (28.24)	.781 (19.84)	1.1875 - 18 UNEF	4.03 (102.36)	–	4.40 (111.76)
13	1.218 (30.94)	.968 (24.59)	1.000 - 20 UNEF	4.48 (113.79)	–	4.85 (123.19)
14	1.218 (30.94)	.968 (24.59)	1.4375 - 18 UNEF	4.49 (114.05)	–	4.86 (123.44)
15	1.345 (34.16)	.968 (24.59)	1.000 - 20 UNEF	4.48 (113.79)	–	4.85 (123.19)
16	1.345 (34.16)	.968 (24.59)	1.4375 - 18 UNEF	4.49 (114.05)	–	4.86 (123.44)

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE DESIGN REQ.)		STYLE	B ± .125		C REF.	
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE			B ± .125	C REF.		
						MIN.	MAX.					
17	--	22	22	22	12	.500 (12.70)	.750 (19.05)	1	2.450 (62.23)	1.059 (26.90)		
18	--	22	22	22	20	.875 (22.23)	1.029 (26.14)	1	2.093 (53.16)	1.375 (34.93)		
19	--	24	24	24	12	.500 (12.70)	.750 (19.05)	1	2.450 (62.23)	1.059 (26.90)		
20	--	24	24	24	20	.875 (22.23)	1.144 (29.06)	1	2.093 (53.16)	1.375 (34.93)		
21	--	--	28	--	16	.625 (15.88)	.937 (23.80)	1	2.500 (63.50)	1.156 (29.36)		
22	--	--	28	--	24	1.000 (25.40)	1.375 (34.93)	1	2.156 (54.76)	1.500 (38.10)		
23	--	--	32	--	16	.625 (15.88)	.937 (23.80)	1	2.600 (66.04)	1.156 (29.36)		
24	--	--	32	--	20	.875 (22.23)	1.250 (31.75)	1	2.600 (66.04)	1.375 (34.93)		
25	--	--	36	--	28	1.250 (31.75)	1.625 (41.28)	1	2.250 (57.15)	1.781 (45.24)		
26	--	--	36	--	16	.625 (15.88)	.937 (23.80)	1	2.690 (68.33)	1.156 (29.36)		
27	--	--	36	--	24	1.000 (25.40)	1.375 (34.93)	1	2.690 (68.33)	1.500 (38.10)		
28	--	--	40	--	32	1.437 (36.50)	1.840 (46.74)	1	2.344 (59.54)	1.830 (46.48)		
29	--	--	40	--	16	.625 (15.88)	.937 (23.80)	1	2.690 (68.33)	1.156 (29.36)		
30	--	--	40	--	24	1.000 (25.40)	1.375 (34.93)	1	2.690 (68.33)	1.500 (38.10)		
31	--	--	40	--	32	1.437 (36.50)	1.875 (47.63)	1	2.344 (59.54)	1.830 (46.48)		

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	D DIA. MAX.	E ± .125	V THREAD CLASS 2A	F MAX.	G DIA. MAX.	H MAX.
17	1.468 (37.29)	1.063 (27.00)	1.1875 - 18 UNEF	4.81 (122.17)	--	5.18 (131.57)
18	1.468 (37.29)	1.063 (27.00)	1.750 - 18 UNS	4.98 (126.49)	--	5.35 (135.89)
19	1.593 (40.46)	1.063 (27.00)	1.1875 - 18 UNEF	4.81 (122.17)	--	5.18 (131.57)
20	1.593 (40.46)	1.063 (27.00)	1.750 - 18 UNS	4.98 (126.49)	--	5.35 (135.89)
21	1.969 (50.01)	1.188 (30.18)	1.4375 - 18 UNEF	5.11 (129.79)	--	5.64 (143.26)
22	1.969 (50.01)	1.188 (30.18)	2.000 - 18 UNS	5.09 (129.29)	--	5.62 (142.75)
23	2.219 (56.36)	1.250 (31.75)	1.4375 - 18 UNEF	5.24 (133.10)	--	5.77 (146.56)
24	2.219 (56.36)	1.250 (31.75)	1.750 - 18 UNS	5.52 (140.21)	--	6.05 (153.67)
25	2.219 (56.36)	1.250 (31.75)	2.250 - 16 UN	5.73 (145.54)	--	6.26 (159.00)
26	2.469 (62.71)	1.281 (32.54)	1.4375 - 18 UNEF	5.33 (135.38)	--	5.86 (148.84)
27	2.469 (62.71)	1.281 (32.54)	2.000 - 18 UNS	5.56 (141.22)	--	6.09 (154.69)
28	2.469 (62.71)	1.281 (32.54)	2.500 - 16 UN	5.95 (151.13)	--	6.48 (164.59)
29	2.719 (69.06)	2.031 (51.59)	1.4375 - 18 UNEF	6.08 (154.43)	--	6.61 (167.89)
30	2.719 (69.06)	2.031 (51.59)	2.000 - 18 UNS	6.31 (160.27)	--	6.84 (173.74)
31	2.719 (69.06)	2.031 (51.59)	2.500 - 16 UN	6.70 (170.18)	--	7.23 (183.64)

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE DESIGN REQ.)		STYLE	B ± .125	C REF.
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN.	MAX.			
32	--	--	44	--	16	.625 (15.88)	.937 (23.80)	1	2.690 (68.33)	1.156 (29.36)
33					24	1.000 (25.40)	1.375 (34.93)	1	2.690 (68.33)	1.500 (38.10)
34					32	1.437 (36.50)	1.875 (47.63)	1	2.344 (59.54)	1.830 (46.48)
35			48		16	.625 (15.88)	.937 (23.80)	1	2.690 (68.33)	1.156 (29.36)
36					24	1.000 (25.40)	1.375 (34.93)	1	2.690 (68.33)	1.500 (38.10)
37					32	1.437 (36.50)	1.875 (47.63)	1	2.344 (59.54)	1.830 (46.48)
38	61	--	--	12	.500 (12.70)	.750 (19.05)	1	2.450 (62.23)	1.059 (26.90)	
39				20	.875 (22.23)	1.184 (30.07)	1	2.093 (53.16)	1.375 (34.93)	
40	19	16	16, 16S	16	10	.350 (8.89)	.625 (15.88)	1	2.110 (53.59)	1.027 (26.09)
41	27	18	18	18	4	.125 (3.18)	.312 (7.92)	1	2.300 (58.42)	1.027 (26.09)
42					6	.250 (6.35)	.437 (11.10)	1	2.300 (58.42)	1.027 (26.09)
43	37	20	20	20	6	.250 (6.35)	.437 (11.10)	1	2.300 (58.42)	1.027 (26.09)
44	--	22	22	22	4	.125 (3.18)	.312 (7.92)	1	2.450 (62.23)	1.027 (26.09)
45					6	.250 (6.35)	.437 (11.10)	1	2.450 (62.23)	1.027 (26.09)
46					10	.350 (8.89)	.625 (15.88)	1	2.450 (62.23)	1.027 (26.09)

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	D DIA. MAX.	E ± .125	V THREAD CLASS 2A	F MAX.	G DIA. MAX.	H MAX.
32	2.969 (75.41)	2.031 (51.59)	1.437 - 18 UNEF	6.08 (154.43)	--	6.61 (167.89)
33	2.969 (75.41)	2.031 (51.59)	2.000 - 18 UNS	6.31 (160.27)	--	6.84 (173.74)
34	2.969 (75.41)	2.031 (51.59)	2.500 - 16 UN	6.70 (170.18)	--	7.23 (183.64)
35	3.219 (81.76)	2.031 (51.59)	1.437 - 18 UNEF	6.08 (154.43)	--	6.61 (167.89)
36	3.219 (81.76)	2.031 (51.59)	2.000 - 18 UNS	6.31 (160.27)	--	6.84 (173.74)
37	3.219 (81.76)	2.031 (51.59)	2.500 - 16 UN	6.70 (170.18)	--	7.23 (183.64)
38	1.653 (41.99)	1.063 (27.00)	1.1875 - 18 UNEF	4.81 (122.17)	--	5.18 (131.57)
39	1.653 (41.99)	1.063 (27.00)	1.750 - 18 UNS	4.98 (126.49)	--	5.35 (135.89)
40	1.112 (28.24)	.781 (19.84)	1.000 - 20 UNEF	4.16 (105.66)	--	4.53 (115.06)
41	1.218 (30.94)	.968 (24.59)	.625 - 24 UNEF	4.13 (104.90)	--	4.50 (114.30)
42	1.218 (30.94)	.968 (24.59)	.750 - 20 UNEF	4.20 (106.68)	--	4.57 (116.08)
43	1.345 (34.16)	.968 (24.59)	.750 - 20 UNEF	4.20 (106.68)	--	4.57 (116.08)
44	1.468 (37.29)	1.063 (27.00)	.625 - 24 UNEF	4.34 (110.24)	--	4.71 (119.63)
45	1.468 (37.29)	1.063 (27.00)	.750 - 20 UNEF	4.40 (111.76)	--	4.77 (121.16)
46	1.593 (40.46)	1.063 (27.00)	1.000 - 20 UNEF	4.68 (118.87)	--	5.05 (128.27)

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE DESIGN REQ.)		STYLE	B ± .125		C REF.	
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE						
						MIN.	MAX.					
47	--	--	36	--	12	.500 (12.70)	.750 (19.05)	1	2.690 (68.33)	1.059 (26.90)		
48			40		12	.500 (12.70)	.750 (19.05)	1	2.690 (68.33)	1.059 (26.90)		
49	--	10	10S, 10SL	10	6	.250 (6.35)	.437 (11.10)	2	1.910 (48.51)	1.027 (26.09)		
50	12	14	14, 14S	14	12	.500 (12.70)	.750 (19.05)	2	2.300 (58.42)	1.059 (26.90)		
51	19	16	16, 16S	16	16	.625 (15.88)	.937 (23.80)	2	2.450 (62.23)	1.156 (29.36)		
52	27	18	18	18	12	.500 (12.70)	.750 (19.05)	1	2.300 (58.42)	1.059 (26.90)		
53	61	--	--	--	16	.625 (15.88)	.937 (23.80)	1	2.450 (62.23)	1.156 (29.36)		
54	37	20	20	20	12	.500 (12.70)	.750 (19.05)	1	2.300 (58.42)	1.059 (26.90)		
55					20	.875 (22.23)	1.250 (31.75)	2	2.500 (63.50)	1.375 (34.93)		
56	--	22	22	22	10	.350 (8.89)	.625 (15.88)	1	2.450 (62.23)	1.027 (26.09)		
57					16	.625 (15.88)	.937 (23.80)	1	2.450 (62.23)	1.156 (29.36)		
58					20	.875 (22.23)	1.250 (31.75)	2	2.500 (63.50)	1.375 (34.93)		
59	--	24	24	24	16	.625 (15.88)	.937 (23.80)	1	2.450 (62.23)	1.156 (29.36)		
60	--	--	28	--	12	.500 (12.70)	.750 (19.05)	1	2.500 (63.50)	1.059 (26.90)		

TABLE 1- FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	D DIA. MAX.	E ± .125	V THREAD CLASS 2A	F MAX.	G DIA. MAX.	H MAX.
47	2.469 (62.71)	1.281 (32.54)	1.1875 - 18 UNEF	5.20 (132.08)	--	5.73 (145.54)
48	2.719 (69.06)	2.031 (51.59)	1.1875 - 18 UNEF	5.95 (151.13)	--	6.48 (164.59)
49	.734 (18.64)	1.375 (34.93)	.750 - 20 UNEF	4.33 (109.98)	.858 (21.79)	4.70 (119.38)
50	.984 (24.99)	1.717 (43.61)	1.1875 - 18 UNEF	5.36 (136.14)	1.218 (30.94)	5.73 (145.54)
51	1.112 (28.24)	1.812 (46.02)	1.4375 - 18 UNEF	5.70 (144.78)	1.468 (37.29)	6.07 (154.18)
52	1.218 (30.94)	.968 (24.59)	1.1875 - 18 UNEF	4.61 (117.09)	--	4.98 (126.49)
53	1.653 (41.99)	1.063 (27.00)	1.4375 - 18 UNEF	4.95 (125.73)	--	5.32 (135.13)
54	1.345 (34.16)	.968 (24.59)	1.1875 - 18 UNEF	4.61 (117.09)	--	4.98 (126.49)
55	1.345 (34.16)	1.963 (49.86)	1.750 - 18 UNS	6.14 (155.96)	1.969 (50.01)	6.51 (165.35)
56	1.468 (37.29)	1.063 (27.00)	1.000 - 20 UNEF	4.68 (118.87)	--	5.05 (128.27)
57	1.468 (37.29)	1.063 (27.00)	1.4375 - 18 UNEF	4.95 (125.73)	--	5.32 (135.13)
58	1.468 (37.29)	1.936 (49.17)	1.750 - 18 UNS	6.14 (155.96)	1.969 (50.01)	6.51 (165.35)
59	1.593 (40.46)	1.063 (27.00)	1.4375 - 18 UNEF	4.95 (125.73)	--	5.32 (135.13)
60	1.969 (50.01)	1.188 (30.18)	1.1875 - 18 UNEF	4.97 (126.24)	--	5.50 (139.70)

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE DESIGN REQ.)		STYLE	B ± .125	C REF.					
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE									
						MIN.	MAX.								
61	--	--	28	--	20	.875 (22.23)	1.250 (31.75)	1	2.500 (63.50)	1.375 (34.93)					
62			32		24	1.000 (25.40)	1.375 (34.93)	1	2.600 (66.04)	1.500 (38.10)					
63			36		20	.875 (22.23)	1.250 (31.75)	1	2.690 (68.33)	1.375 (34.93)					
64					28	1.250 (31.75)	1.625 (41.28)	1	2.690 (68.33)	1.781 (45.24)					
65			40		40	--	20	.875 (22.23)	1.250 (31.75)	1	2.690 (68.33)	1.375 (34.93)			
66							28	1.250 (31.75)	1.625 (41.28)	1	2.690 (68.33)	1.781 (45.24)			
67							44	20	.875 (22.23)	1.250 (31.75)	1	2.690 (68.33)	1.375 (34.93)		
68								28	1.250 (31.75)	1.625 (41.28)	1	2.690 (68.33)	1.781 (45.24)		
69							48	48	--	20	.875 (22.23)	1.250 (31.75)	1	2.690 (68.33)	1.375 (34.93)
70										28	1.250 (31.75)	1.625 (41.28)	1	2.690 (68.33)	1.781 (45.24)
71	7	12		12, 12S			12	10	.350 (8.89)	.625 (15.88)	2	2.110 (53.59)	1.027 (26.09)		
72	27	18		18			18	16	.625 (15.88)	.937 (23.80)	2	2.450 (62.23)	1.156 (29.36)		
73	--	24	24	24	20	.875 (22.23)	1.250 (31.75)	2	2.500 (63.50)	1.375 (34.93)					
74	12	14	14, 14S	14	4	.125 (3.18)	.312 (7.92)	1	2.000 (50.80)	1.027 (26.09)					
75	19	16	16, 16S	16	4	.125 (3.18)	.312 (7.92)	1	2.110 (53.59)	1.027 (26.09)					

TABLE 1 – FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	D DIA. MAX.	E ± .125		V THREAD CLASS 2A	F MAX.	G DIA. MAX.	H MAX.
61	1.969 (50.01)	1.188 (30.18)		1.750 - 18 UNS	5.39 (136.91)	–	5.92 (150.37)
62	2.219 (56.36)	1.250 (31.75)		2.000 - 18 UNS	5.47 (138.94)	–	6.00 (152.40)
63	2.469 (62.71)	1.281 (32.54)		1.750 - 18 UNS	5.62 (142.75)	–	6.15 (156.21)
64	2.469 (62.71)	1.281 (32.54)		2.250 - 16 UN	6.08 (154.43)	–	6.61 (167.89)
65	2.719 (69.06)	2.031 (51.59)		1.750 - 18 UNS	6.37 (161.80)	–	6.90 (175.26)
66	2.719 (69.06)	2.031 (51.59)		2.250 - 16 UN	6.83 (173.48)	–	7.36 (186.94)
67	2.969 (75.41)	2.031 (51.59)		1.750 - 18 UNS	6.37 (161.80)	–	6.90 (175.26)
68	2.969 (75.41)	2.031 (51.59)		2.250 - 16 UN	6.83 (173.48)	–	7.36 (186.94)
69	3.219 (81.76)	2.031 (51.59)		1.750 - 18 UNS	6.37 (161.80)	–	6.90 (175.26)
70	3.219 (81.76)	2.031 (51.59)		2.250 - 16 UN	6.83 (173.48)	–	7.36 (186.94)
71	.858 (21.79)	1.529 (38.84)		1.000 - 20 UNEF	4.90 (124.46)	1.112 (28.24)	5.27 (133.86)
72	1.218 (30.94)	1.812 (46.02)		1.4375 - 18 UNEF	5.69 (144.53)	1.468 (37.29)	6.06 (153.92)
73	1.593 (40.46)	1.936 (49.17)		1.750 - 18 UNS	6.13 (155.70)	1.969 (50.01)	6.50 (165.10)
74	.984 (24.99)	.688 (17.48)		.625 - 24 UNEF	3.64 (92.46)	–	4.01 (101.85)
75	1.112 (28.24)	.781 (19.84)		.625 - 24 UNEF	3.81 (96.77)	–	4.18 (106.17)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS85049.

1. DESIGN AND CONSTRUCTION:

ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±.005 FOR THREE PLACE DECIMALS AND ±.02 FOR TWO PLACE DECIMALS. METRIC EQUIVALENTS ARE IN PARENTHESIS, ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.

INTERFACE DIMENSIONS SHALL CONFORM TO AS85049 FIGURE 4 OR 4A.

FIGURE 1 CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE FOLLOWER.

“LOOSELY ASSEMBLED” IS DEFINED AS THE AS85049/42 CLAMP TIGHTENED TO THE AS85049/25 CONNECTOR ACCESSORY BODY A MINIMUM OF TWO FULL THREAD LENGTHS.

“WIRE BUNDLE ACCOMMODATION RANGE” DIMENSION IS DEFINED AS THE ENVELOPE AREA FOR THE WIRE BUNDLE. THIS DIMENSION IS NOT MEANT TO DEFINE THE CLAMP HARDWARE LIMITS.

	AEROSPACE STANDARD	AS85049™/7 SHEET 6 OF 8	REV. C
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, 45°, CATEGORY 1A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)		