

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.

REV.
B

AS85049™/23

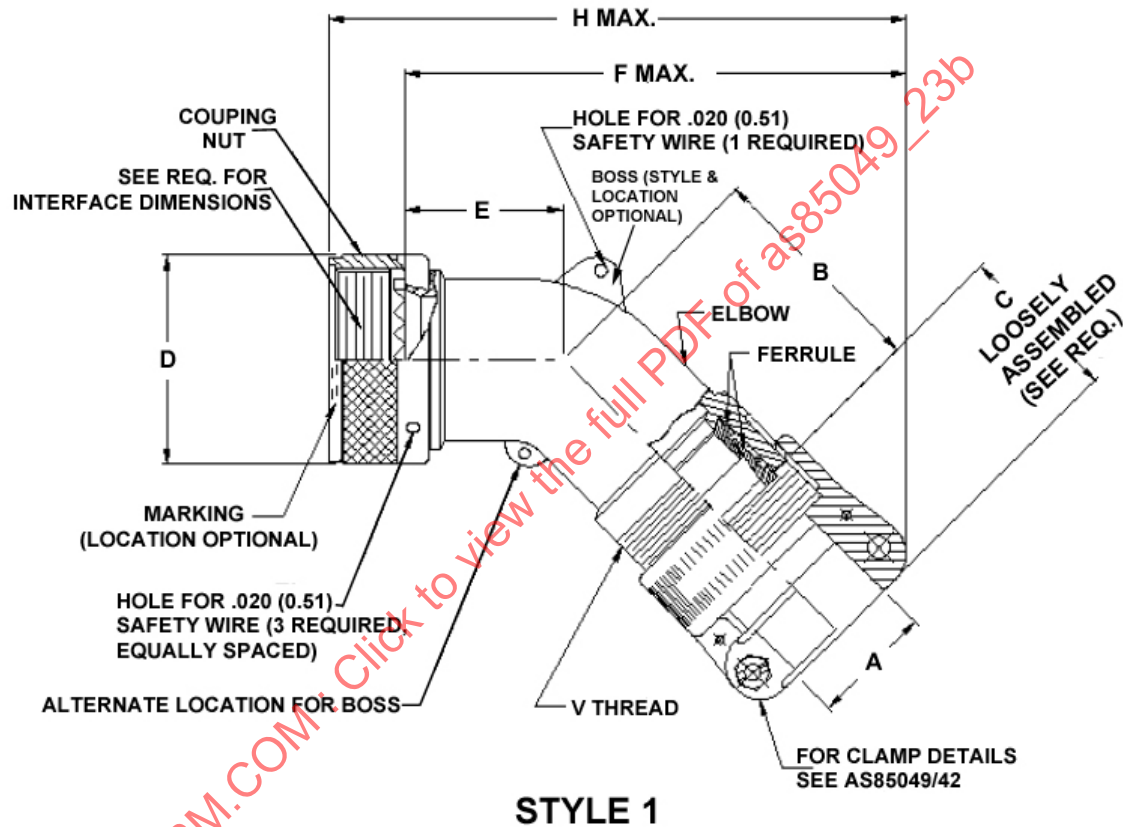
FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWING QUALITY, EXPAND STYLE 2 PART AND INCLUDE SAFETY WIRE HOLES AND REMOVE REFERENCE TO O-RING, TO CHANGE THE MILITARY 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.



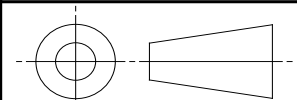
STYLE 1

FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/23B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

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

AS85049™/23
SHEET 1 OF 9

REV.
B

Copyright © 2021 SAE International

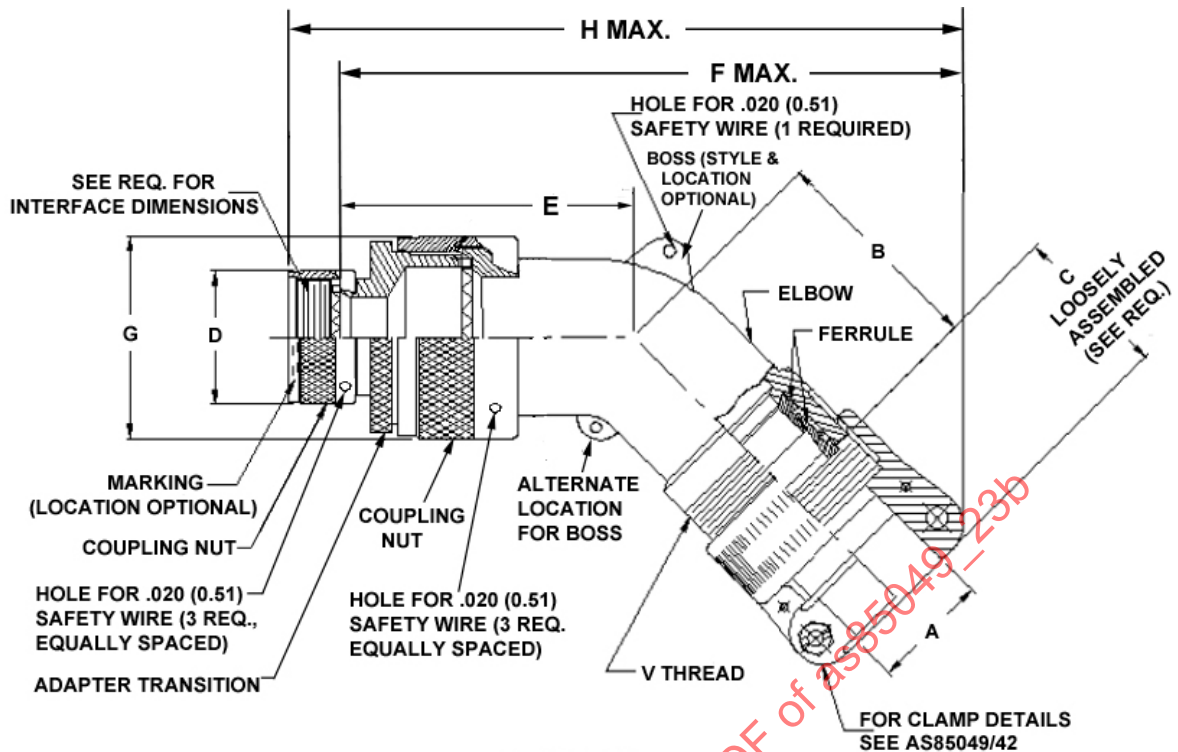
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

ISSUED 1998-08 REVISED 2016-07 REAFFIRMED 2021-03



STYLE 2

FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS (CONTINUED)

TABLE 1 - FIGURE 1 DIMENSIONS

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE REQ.)		STYLE	B DIM. ±.125 (±3.2)	C DIM. (REF.)	D DIA. MAX.
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SERIES III		MIN.	MAX.				
1	3				4	.125 (3.2)	.250 (6.4)	1	1.790 (45.5)	1.027 (26.1)	.669 (17.0)
2					6	.250 (6.4)	.437 (11.1)	2	1.910 (48.5)	1.027 (26.1)	.669 (17.0)
3		8	8S	8	4	.125 (3.2)	.250 (6.4)	1	1.182 (30.0)	1.027 (26.1)	.617 (15.7)
4					4	.125 (3.2)	.312 (7.9)	1	1.850 (47.0)	1.027 (26.1)	.734 (18.6)
5		10	10S, 10SL	10	6	.250 (6.4)	.375 (9.5)	1	1.245 (31.6)	1.027 (26.1)	.734 (18.6)
6					4	.125 (3.2)	.312 (7.9)	1	1.910 (48.5)	1.027 (26.1)	.858 (21.8)
7	7	12	12, 12S	12	6	.250 (6.4)	.437 (11.1)	1	1.910 (48.5)	1.027 (26.1)	.858 (21.8)
8					10	.350 (8.9)	.500 (12.7)	1	1.910 (48.5)	1.027 (26.1)	.858 (21.8)
9	12	14	14, 14S	14	6	.250 (6.4)	.437 (11.1)	1	2.000 (50.8)	1.027 (26.1)	.984 (25.0)
10					10	.350 (8.9)	.575 (14.6)	1	1.655 (42.0)	1.027 (26.1)	.984 (25.0)
11	19	16	16, 16S	16	6	.250 (6.4)	.437 (11.1)	1	2.110 (53.6)	1.027 (26.1)	1.112 (28.2)
12					12	.500 (12.7)	.700 (17.8)	1	1.750 (44.5)	1.059 (26.9)	1.112 (28.2)
13	27	18	18	18	10	.350 (8.9)	.625 (15.9)	1	2.300 (58.4)	1.027 (26.1)	1.218 (30.9)
14					16	.625 (15.9)	.779 (19.8)	1	1.938 (49.2)	1.156 (29.4)	1.218 (30.9)



AEROSPACE STANDARD

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

AS85049™/23
SHEET 2 OF 9

REV.
B

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	E DIM. ±.125 (±3.2)	V THREAD CLASS 2A	F DIM. MAX.	G DIA. MAX.	H DIM. MAX.
1	.561 (14.2)	.625-24 UNEF	3.00 (76.2)	-	3.39 (86.1)
2	1.375 (34.9)	.750-20 UNEF	3.97 (100.8)	.858 (21.8)	4.36 (110.7)
3	.500 (12.7)	.625-24 UNEF	2.52 (64.0)	-	2.91 (73.9)
4	.561 (14.2)	.625-24 UNEF	3.05 (77.5)	-	3.44 (87.4)
5	.561 (14.2)	.750-20 UNEF	2.69 (68.3)	-	3.08 (78.2)
6	.625 (15.9)	.625-24 UNEF	3.16 (80.3)	-	3.55 (90.2)
7	.625 (15.9)	.750-20 UNEF	3.22 (81.8)	-	3.61 (91.7)
8	.625 (15.9)	1.000-20 UNEF	3.29 (83.6)	-	3.68 (93.5)
9	.688 (17.5)	.750-20 UNEF	3.35 (85.1)	-	3.74 (95.0)
10	.688 (17.5)	1.000-20 UNEF	3.17 (80.5)	-	3.56 (90.4)
11	.781 (19.8)	.750-20 UNEF	3.52 (89.4)	-	3.91 (99.3)
12	.781 (19.8)	1.187-18 UNEF	3.43 (87.1)	-	3.82 (97.0)
13	.968 (24.6)	1.000-20 UNEF	3.91 (99.3)	-	4.30 (109.2)
14	.968 (24.6)	1.437-18 UNEF	3.90 (99.1)	-	4.29 (109.0)

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE REQ.)		STYLE	B DIM. ±.125 (±3.2)	C DIM. (REF.)	D DIA. MAX.
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SERIES III		MIN.	MAX.				
15	37	20	20	20	10	.350 (8.9)	.625 (15.9)	1	2.300 (58.4)	1.027 (26.1)	1.345 (34.2)
16					16	.625 (15.9)	.904 (23.0)	1	1.938 (49.2)	1.156 (29.4)	1.345 (34.2)
17	X	22	22	22	12	.500 (12.7)	.750 (19.1)	1	2.450 (62.2)	1.059 (26.9)	1.468 (37.3)
18					20	.875 (22.2)	1.029 (26.1)	1	2.093 (53.2)	1.375 (34.9)	1.468 (37.3)
19		24	24	24	12	.500 (12.7)	.750 (19.1)	1	2.450 (62.2)	1.069 (27.2)	1.593 (40.5)
20					20	.875 (22.2)	1.144 (29.1)	1	2.093 (53.2)	1.375 (34.9)	1.593 (40.5)
21		X	28	X	16	.625 (15.9)	.937 (23.8)	1	2.500 (63.5)	1.156 (29.4)	1.969 (50.0)
22					24	1.000 (25.4)	1.375 (34.9)	1	2.156 (54.8)	1.500 (38.1)	1.969 (50.0)
23			32	X	16	.625 (15.9)	.937 (23.8)	1	2.600 (66.0)	1.156 (29.4)	2.219 (56.4)
24					20	.875 (22.2)	1.250 (31.8)	1	2.600 (66.0)	1.375 (34.9)	2.219 (56.4)
25			36	X	28	1.250 (31.8)	1.625 (41.3)	1	2.250 (57.2)	1.781 (45.2)	2.219 (56.4)
26					16	.625 (15.9)	.937 (23.8)	1	2.690 (68.3)	1.156 (29.4)	2.469 (62.7)
27					24	1.000 (25.4)	1.375 (34.9)	1	2.690 (68.3)	1.500 (38.1)	2.469 (62.7)
28					32	1.437 (36.5)	1.840 (46.7)	1	2.344 (59.5)	1.830 (46.5)	2.469 (62.7)



AEROSPACE STANDARD

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

AS85049™/23
SHEET 3 OF 9

REV.
B

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	E DIM. ±.125 (±3.2)	V THREAD CLASS 2A	F DIM. MAX.	G DIA. MAX.	H DIM. MAX.
15	.968 (24.6)	1.000-20 UNEF	3.91 (99.3)	-	4.30 (109.2)
16	.968 (24.6)	1.437-18 UNEF	3.90 (99.1)	-	4.29 (109.0)
17	1.063 (27.0)	1.187-18 UNEF	4.21 (106.9)	-	4.60 (116.8)
18	1.063 (27.0)	1.750-18 UNS	4.38 (111.3)	-	4.77 (121.2)
19	1.063 (27.0)	1.187-18 UNEF	4.21 (106.9)	-	4.60 (116.8)
20	1.063 (27.0)	1.750-18 UNS	4.38 (111.3)	-	4.77 (121.2)
21	1.188 (30.2)	1.437-18 UNEF	4.52 (114.8)	-	5.05 (128.3)
22	1.188 (30.2)	2.000-18 UNS	4.72 (119.9)	-	5.23 (132.8)
23	1.250 (31.8)	1.437-18 UNEF	4.65 (118.1)	-	5.18 (131.6)
24	1.250 (31.8)	1.750-18 UNS	4.92 (125.0)	-	5.45 (138.4)
25	1.250 (31.8)	2.250-16 UN	5.19 (131.8)	-	5.72 (145.3)
26	1.281 (32.5)	1.437-18 UNEF	4.74 (120.4)	-	5.27 (133.9)
27	1.281 (32.5)	2.000-18 UNS	5.19 (131.8)	-	5.72 (145.3)
28	1.281 (32.5)	2.500-16 UN	5.41 (137.4)	-	5.94 (150.9)

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE NOTE 6)		STYLE	B DIM. ±.125 (±3.2)	C DIM. (REF.)	D DIA. MAX.	
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SERIES III		MIN.	MAX.					
29			40		16	.625 (15.9)	.937 (23.8)	1	2.690 (68.3)	1.156 (29.4)	2.719 (69.1)	
30					24	1.000 (25.4)	1.375 (34.9)	1	2.690 (68.3)	1.500 (38.1)	2.719 (69.1)	
31					32	1.437 (36.5)	1.875 (47.6)	1	2.344 (59.5)	1.830 (46.5)	2.719 (69.1)	
32					16	.625 (15.9)	.937 (23.8)	1	2.690 (68.3)	1.156 (29.4)	2.969 (75.4)	
33			44		24	1.000 (25.4)	1.375 (34.9)	1	2.690 (68.3)	1.500 (38.1)	2.969 (75.4)	
34					32	1.437 (36.5)	1.875 (47.6)	1	2.344 (59.5)	1.830 (46.5)	2.969 (75.4)	
35			48		16	.625 (15.9)	.937 (23.8)	1	2.690 (68.3)	1.156 (29.4)	3.219 (81.8)	
36					24	1.000 (25.4)	1.375 (34.9)	1	2.690 (68.3)	1.500 (38.1)	3.219 (81.8)	
37					32	1.437 (36.5)	1.875 (47.6)	1	2.344 (59.5)	1.830 (46.5)	3.219 (81.8)	
38					12	.500 (12.7)	.750 (19.1)	1	2.450 (62.2)	1.059 (26.9)	1.653 (42.0)	
39	61				20	.875 (22.2)	1.184 (30.1)	1	2.093 (53.2)	1.375 (34.9)	1.653 (42.0)	
40	19	16	16, 16S	16	10	.350 (8.9)	.625 (15.9)	1	2.110 (53.6)	1.027 (26.1)	1.112 (28.2)	
41	27	18	18	18	4	.125 (3.2)	.312 (7.9)	1	2.300 (58.4)	1.027 (26.1)	1.218 (30.9)	
42					6	.250 (6.4)	.437 (11.1)	1	2.300 (58.4)	1.027 (26.1)	1.218 (30.9)	



AEROSPACE STANDARD

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

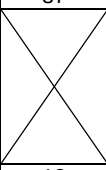
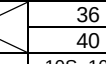
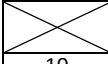
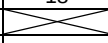
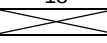
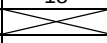
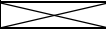
AS85049™/23
SHEET 4 OF 9

REV.
B

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	E DIM. ±.125 (±3.2)	V THREAD CLASS 2A	F DIM. MAX.	G DIA. MAX.	H DIM. MAX.
29	2.031 (51.6)	1.437-18 UNEF	5.49 (139.4)	-	6.02 (152.9)
30	2.031 (51.6)	2.000-18 UNS	5.94 (150.9)	-	6.47 (164.3)
31	2.031 (51.6)	2.500-16 UN	6.16 (156.5)	-	6.69 (169.9)
32	2.031 (51.6)	1.437-18 UNEF	5.49 (139.4)	-	6.02 (152.9)
33	2.031 (51.6)	2.000-18 UNS	5.94 (150.9)	-	6.47 (164.3)
34	2.031 (51.6)	2.500-16 UN	6.16 (156.5)	-	6.69 (169.9)
35	2.031 (51.6)	1.437-18 UNEF	5.49 (139.4)	-	6.02 (152.9)
36	2.031 (51.6)	2.000-18 UNS	5.94 (150.9)	-	6.47 (164.3)
37	2.031 (51.6)	2.500-16 UN	6.16 (156.5)	-	6.69 (169.9)
38	1.063 (27.0)	1.187-18 UNEF	4.21 (106.9)	-	4.60 (116.8)
39	1.063 (27.0)	1.750-18 UNS	4.38 (111.3)	-	4.77 (121.2)
40	.781 (19.8)	1.000-20 UNEF	3.59 (91.2)	-	3.98 (101.1)
41	.968 (24.6)	.625-24 UNEF	3.80 (96.5)	-	4.19 (106.4)
42	.968 (24.6)	.750-20 UNEF	3.84 (97.5)	-	4.23 (107.4)

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE NOTE 6)		STYLE	B DIM. ±.125 (±3.2)	C DIM. (REF.)	D DIA. MAX.
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL-83723 SERIES III		MIN.	MAX.				
43	37	20	20	20	6	.250 (6.4)	.437 (11.1)	1	2.300 (58.4)	1.027 (26.1)	1.345 (34.2)
44		22	22	22	4	.125 (3.2)	.312 (7.9)	1	2.450 (62.2)	1.027 (26.1)	1.468 (37.3)
45		24	24	24	6	.250 (6.4)	.437 (11.1)	1	2.450 (62.2)	1.027 (26.1)	1.468 (37.3)
46			24	24	10	.350 (8.9)	.625 (15.9)	1	2.450 (62.2)	1.027 (26.1)	1.593 (40.5)
47			36		12	.500 (12.7)	.750 (19.1)	1	2.690 (68.3)	1.059 (26.9)	2.469 (62.7)
48			40		12	.500 (12.7)	.750 (19.1)	1	2.690 (68.3)	1.059 (26.9)	2.719 (69.1)
49		10	10S, 10SL	10	6	.250 (6.4)	.437 (11.1)	2	1.910 (48.5)	1.027 (26.1)	.734 (18.6)
50	12	14	14, 14S	14	12	.500 (12.7)	.750 (19.1)	2	2.300 (58.4)	1.059 (26.9)	.984 (25.0)
51	19	16	16, 16S	16	16	.625 (15.9)	.937 (23.8)	2	2.450 (62.2)	1.156 (29.4)	1.112 (28.2)
52	27	18	18	18	12	.500 (12.7)	.750 (19.1)	1	2.300 (58.4)	1.059 (26.9)	1.218 (30.9)
53	61				16	.625 (15.9)	.937 (23.8)	1	2.450 (62.2)	1.156 (29.4)	1.653 (42.0)
54	37	20	20	20	12	.500 (12.7)	.750 (19.1)	1	2.300 (58.4)	1.059 (26.9)	1.345 (34.2)
55					20	.875 (22.2)	1.250 (31.8)	2	2.500 (63.5)	1.375 (34.9)	1.345 (34.2)
56		22	22	22	10	.350 (8.9)	.625 (15.9)	1	2.450 (62.2)	1.027 (26.1)	1.468 (37.3)



AEROSPACE STANDARD

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

AS85049™/23
SHEET 5 OF 9

REV.
B

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	E DIM. ±.125 (±3.2)	V THREAD CLASS 2A	F DIM. MAX.	G DIA. MAX.	H DIM. MAX.
43	.968 (24.6)	.750-20 UNEF	3.84 (97.5)	-	4.23 (107.4)
44	1.063 (27.0)	.625-24 UNEF	3.98 (101.1)	-	4.37 (111.0)
45	1.063 (27.0)	.750-20 UNEF	4.04 (102.6)	-	4.43 (112.5)
46	1.063 (27.0)	1.000-20 UNEF	4.11 (104.4)	-	4.50 (114.3)
47	1.281 (32.5)	1.187-18 UNEF	4.60 (116.8)	-	5.13 (130.3)
48	2.031 (51.6)	1.187-18 UNEF	5.35 (135.9)	-	5.88 (149.4)
49	1.375 (34.9)	.750-20 UNEF	3.97 (100.8)	.858 (21.8)	4.36 (110.7)
50	1.717 (43.6)	1.187-18 UNEF	4.76 (120.9)	1.218 (30.9)	5.15 (130.8)
51	1.812 (46.0)	1.437-18 UNEF	5.11 (129.8)	1.468 (37.3)	5.50 (139.7)
52	.968 (24.6)	1.187-18 UNEF	4.01 (101.9)	-	4.40 (111.8)
53	1.063 (27.0)	1.437-18 UNEF	4.36 (110.7)	-	4.75 (120.7)
54	.968 (24.6)	1.187-18 UNEF	4.01 (101.9)	-	4.40 (111.8)
55	1.936 (49.2)	1.750-18 UNS	5.54 (140.7)	1.969 (50.0)	5.93 (150.6)
56	1.063 (27.0)	1.000-20 UNEF	4.11 (104.4)	-	4.50 (114.3)

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE NOTE 6)		STYLE	B DIM. ±.125 (±3.2)	C DIM. (REF.)	D DIA. MAX.
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SERIES III		MIN.	MAX.				
57		22	22	22	16	.625 (15.9)	.937 (23.8)	1	2.450 (62.2)	1.156 (29.4)	1.468 (37.3)
58					20	.875 (22.2)	1.250 (31.8)	2	2.500 (63.5)	1.375 (34.9)	1.468 (37.3)
59		24	24	24	16	.625 (15.9)	.937 (23.8)	1	2.450 (62.2)	1.156 (29.4)	1.593 (40.5)
60					12	.500 (12.7)	.750 (19.1)	1	2.500 (63.5)	1.059 (26.9)	1.969 (50.0)
61		28	28	28	20	.875 (22.2)	1.250 (31.8)	1	2.500 (63.5)	1.375 (34.9)	1.969 (50.0)
62					24	1.000 (25.4)	1.375 (34.9)	1	2.600 (66.0)	1.500 (38.1)	2.219 (56.4)
63					20	.875 (22.2)	1.250 (31.8)	1	2.690 (68.3)	1.375 (34.9)	2.469 (62.7)
64					28	1.250 (31.8)	1.625 (41.3)	1	2.690 (68.3)	1.781 (45.2)	2.469 (62.7)
65		40	40	40	20	.875 (22.2)	1.250 (31.8)	1	2.690 (68.3)	1.375 (34.9)	2.719 (69.1)
66					28	1.250 (31.8)	1.625 (41.3)	1	2.690 (68.3)	1.781 (45.2)	2.719 (69.1)
67		44	44	44	20	.875 (22.2)	1.250 (31.8)	1	2.690 (68.3)	1.375 (34.9)	2.969 (75.4)
68					28	1.250 (31.8)	1.625 (41.3)	1	2.690 (68.3)	1.781 (45.2)	2.969 (75.4)
69		48	48	48	20	.875 (22.2)	1.250 (31.8)	1	2.690 (68.3)	1.375 (34.9)	3.219 (81.8)
70					28	1.250 (31.8)	1.625 (41.3)	1	2.690 (68.3)	1.781 (45.2)	3.219 (81.8)



AEROSPACE STANDARD

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

AS85049™/23
SHEET 6 OF 9

REV.
B

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	E DIM. ±.125 (±3.2)	V THREAD CLASS 2A	F DIM. MAX.	G DIA. MAX.	H DIM. MAX.
57	1.063 (27.0)	1.437-18 UNEF	4.36 (110.7)	-	4.75 (120.7)
58	1.936 (49.2)	1.750-18 UNS	5.54 (140.7)	1.969 (50.0)	5.93 (150.6)
59	1.063 (27.0)	1.437-18 UNEF	4.36 (110.7)	-	4.75 (120.7)
60	1.188 (30.2)	1.187-18 UNEF	4.37 (111.0)	-	4.90 (124.5)
61	1.188 (30.2)	1.750-18 UNS	4.79 (121.7)	-	5.32 (135.1)
62	1.250 (31.8)	2.000-18 UNS	5.10 (129.5)	-	5.63 (143.0)
63	1.281 (32.5)	1.750-18 UNS	5.02 (127.5)	-	5.55 (141.0)
64	1.281 (32.5)	2.250-16 UN	5.54 (140.7)	-	6.07 (154.2)
65	2.031 (51.6)	1.750-18 UNS	5.77 (146.6)	-	6.30 (160.0)
66	2.031 (51.6)	2.250-16 UN	6.29 (159.8)	-	6.82 (173.2)
67	2.031 (51.6)	1.750-18 UNS	5.77 (146.6)	-	6.30 (160.0)
68	2.031 (51.6)	2.250-16 UN	6.29 (159.8)	-	6.82 (173.2)
69	2.031 (51.6)	1.750-18 UNS	5.77 (146.6)	-	6.30 (160.0)
70	2.031 (51.6)	2.250-16 UN	6.29 (159.8)	-	6.82 (173.2)

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	FITS SHELL OF CONNECTOR				CLAMP SIZE	A WIRE BUNDLE ACCOMMODATION RANGE (SEE NOTE 6)		STYLE	B DIM. ±.125 (±3.2)	C DIM. (REF.)	D DIA. MAX.
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP, AS95234	MIL-DTL- 83723 SERIES III		MIN.	MAX.				
71	7	12	12, 12S	12	10	.350 (8.9)	.625 (15.9)	2	2.110 (53.6)	1.027 (26.1)	.858 (21.8)
72	27	18	18	18	16	.625 (15.9)	.937 (23.8)	2	2.450 (62.2)	1.156 (29.4)	1.218 (30.9)
73		24	24	24	20	.875 (22.2)	1.250 (31.8)	2	2.500 (63.5)	1.375 (34.9)	1.593 (40.5)
74	12	14	14, 14S	14	4	.125 (3.2)	.312 (7.9)	1	2.000 (50.8)	1.027 (26.1)	.984 (25.0)
75	19	16	16, 16S	16	4	.125 (3.2)	.312 (7.9)	1	2.110 (53.6)	1.027 (26.1)	1.112 (28.2)

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NO.	E DIM. ±.125 (±3.2)	V THREAD CLASS 2A	F DIM. MAX.	G DIA. MAX.	H DIM. MAX.
71	1.529 (40.4)	1.000-20 UNEF	4.33 (110.0)	1.112 (28.2)	4.72 (119.9)
72	1.812 (46.0)	1.437-18 UNEF	5.10 (129.5)	1.468 (37.3)	5.49 (139.4)
73	1.936 (49.2)	1.750-18 UNS	5.53 (140.5)	1.969 (50.0)	5.92 (150.4)
74	.688 (17.5)	.625-24 UNEF	3.28 (83.3)	-	3.67 (93.2)
75	.781 (19.8)	.625-24 UNEF	3.45 (87.6)	-	3.84 (97.5)



AEROSPACE STANDARD

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

AS85049™/23
SHEET 7 OF 9

REV.
B