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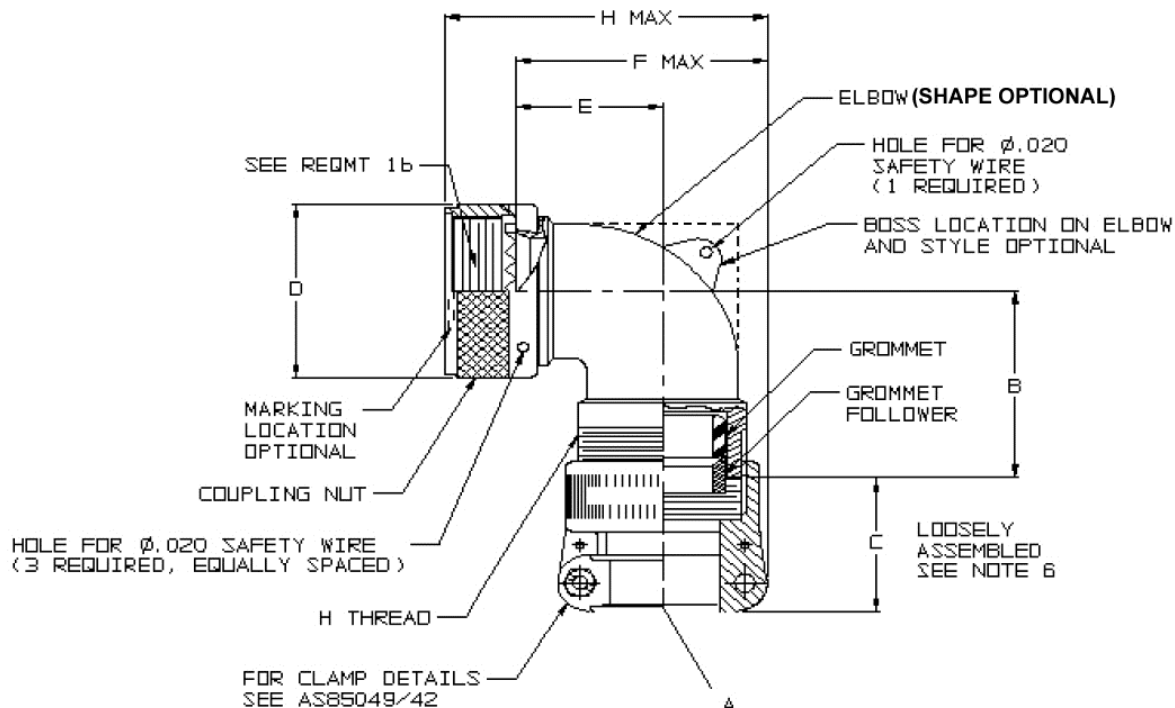
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RATIONALE

AS85049/9C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS85049.

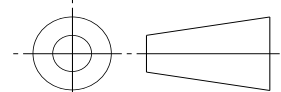


STYLE 1

FIGURE 1 - CONFIGURATION AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, CABLE SEALING, 90°, CATEGORY 1A (FOR AS50151 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

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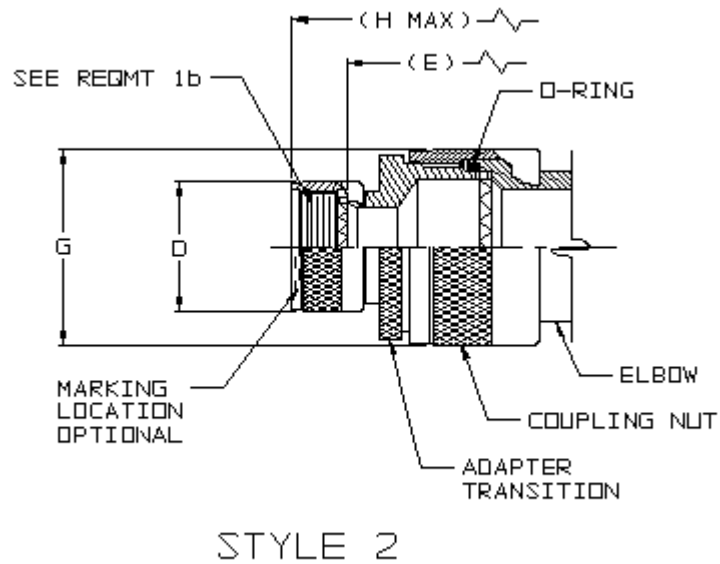


FIGURE 1 - CONFIGURATION AND DIMENSIONS (CONTINUED)

TABLE 1 - DIMENSIONS

DASH NO.	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE NOTE 6)		STYLE	B ±.125	C REF
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE				
						MIN	MAX			
1	3	N/A	N/A	N/A	4	.125 (3.18)	.250 (6.35)	1	1.800 (45.72)	1.027 (26.09)
2					6	.250 (6.35)	.437 (11.10)	2	1.320 (33.53)	1.027 (26.09)
3	N/A	8	8S	8	4	.125 (3.18)	.250 (6.35)	1	1.200 (30.48)	1.027 (26.09)
4		10	10S, 10SL	10	4	.125 (3.18)	.312 (7.92)	1	1.920 (48.77)	1.027 (26.09)
5					6	.250 (6.35)	.375 (9.53)	1	1.320 (33.53)	1.027 (26.09)
6	7	12	12, 12S	12	4	.125 (3.18)	.312 (7.92)	1	1.940 (49.28)	1.027 (26.09)
7					6	.250 (6.35)	.437 (11.10)	1	1.940 (49.28)	1.027 (26.09)
8					10	.350 (8.89)	.500 (12.70)	1	1.335 (33.91)	1.027 (26.09)
9	12	14	14,14S	14	6	.250 (6.35)	.437 (11.10)	1	2.010 (51.05)	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	2.100 (53.34)	1.027 (26.09)
12					12	.500 (12.70)	.700 (17.78)	1	1.745 (44.32)	1.059 (26.90)
13	27	18	18	18	10	.350 (8.89)	.625 (15.88)	1	2.270 (57.66)	1.027 (26.09)
14					16	.625 (15.88)	.779 (19.79)	1	1.920 (48.77)	1.156 (29.36)
15	37	20	20	20	10	.350 (8.89)	.625 (15.88)	1	2.270 (57.66)	1.027 (26.09)
16					16	.625 (15.88)	.904 (22.96)	1	1.920 (48.77)	1.156 (29.36)



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TABLE 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)	.636 (16.15)	.625-24 UNEF	1.18 (29.97)	–	1.57 (39.88)
2	.669 (16.99)	1.386 (35.20)	.750-20 UNEF	2.02 (51.31)	.858 (21.79)	2.41 (61.21)
3	.617 (15.67)	.541 (13.74)	.625-24 UNEF	1.09 (27.69)	–	1.48 (37.59)
4	.734 (18.64)	.636 (16.15)	.625-24 UNEF	1.18 (29.97)	–	1.57 (39.88)
5	.734 (18.64)	.636 (16.15)	.750-20 UNEF	1.27 (32.26)	–	1.66 (42.16)
6	.858 (21.79)	.641 (16.28)	.625-24 UNEF	1.18 (29.97)	–	1.57 (39.88)
7	.858 (21.79)	.641 (16.28)	.750-20 UNEF	1.28 (32.51)	–	1.67 (42.42)
8	.858 (21.79)	.641 (16.28)	1.000-20 UNEF	1.37 (34.80)	–	1.76 (44.70)
9	.984 (24.99)	.741 (18.82)	.750-20 UNEF	1.38 (35.05)	–	1.77 (44.96)
10	.984 (24.99)	.741 (18.82)	1.000-20 UNEF	1.47 (37.34)	–	1.86 (47.24)
11	1.112 (28.24)	.926 (23.52)	.750-20 UNEF	1.59 (40.39)	–	1.98 (50.29)
12	1.112 (28.24)	.926 (23.52)	1.1875-18 UNEF	1.77 (44.96)	–	2.16 (54.86)
13	1.218 (30.94)	1.016 (25.81)	1.000-20 UNEF	1.80 (45.72)	–	2.19 (55.63)
14	1.218 (30.94)	1.016 (25.81)	1.4375-18 UNEF	1.97 (50.04)	–	2.36 (59.94)
15	1.345 (34.16)	1.016 (25.81)	1.000-20 UNEF	1.80 (45.72)	–	2.19 (55.63)
16	1.345 (34.16)	1.016 (25.81)	1.4375-18 UNEF	1.97 (50.04)	–	2.36 (59.94)

TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	CONNECTOR SHELL SIZE				CLAMP SIZE	A (SEE NOTE 6)		STYLE	B ±.125	C REF	
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP	MIL-DTL-83723 SERIES III		WIRE BUNDLE ACCOMMODATION RANGE					
						MIN	MAX				
17	N/A	22	22	22	12	.500 (12.70)	.750 (19.05)	1	2.380 (60.45)	1.059 (26.90)	
18					20	.875 (22.23)	1.029 (26.14)	1	2.025 (51.44)	1.375 (34.93)	
19		24	24	24	12	.500 (12.70)	.750 (19.05)	1	2.380 (60.45)	1.059 (26.90)	
20					20	.875 (22.23)	1.144 (29.06)	1	2.025 (51.44)	1.375 (34.93)	
21		28	28	N/A	16	.625 (15.88)	.937 (23.80)	1	2.550 (64.77)	1.156 (29.36)	
22					24	1.000 (25.40)	1.375 (34.93)	1	2.195 (55.75)	1.500 (38.10)	
23					32	16	.625 (15.88)	.937 (23.80)	1	2.800 (71.12)	1.156 (29.36)
24						20	.875 (22.23)	1.250 (31.75)	1	2.800 (71.12)	1.375 (34.93)
25						28	1.250 (31.75)	1.625 (41.28)	1	2.445 (62.10)	1.781 (45.24)
26		36	36	N/A	16	.625 (15.88)	.937 (23.80)	1	2.770 (70.36)	1.156 (29.36)	
27					24	1.000 (25.40)	1.375 (34.93)	1	2.770 (70.36)	1.500 (38.10)	
28					32	1.437 (36.50)	1.840 (46.74)	1	2.415 (61.34)	1.830 (46.48)	
29					16	.625 (15.88)	.937 (23.80)	1	2.770 (70.36)	1.156 (29.36)	
30		40	40	N/A	24	1.000 (25.40)	1.375 (34.93)	1	2.770 (70.36)	1.500 (38.10)	
31					32	1.437 (36.50)	1.875 (47.63)	1	2.415 (61.34)	1.830 (46.48)	



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