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AS85049™/24

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO ADD AS95234 CONNECTORS TO THE DOCUMENT TITLE AND TO TABLE 1 INFO, AND TO UPDATE THE FINISH RESTRICTION FOOTNOTES TO LATEST SAE RECOMMENDED WORDING.

NOTICE

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

FEDERAL SUPPLY CLASS
5935

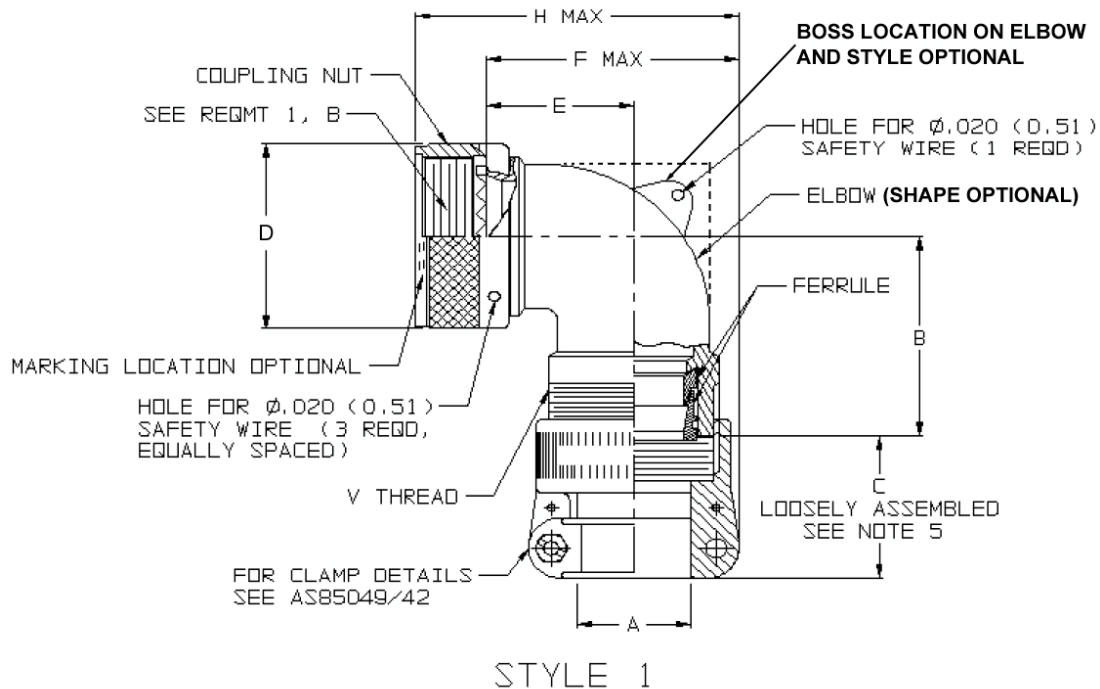
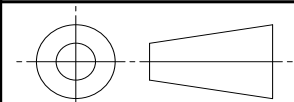


FIGURE 1 - CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS85049/24D>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, 90°, SHIELD TERMINATION, CATEGORY 3A (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

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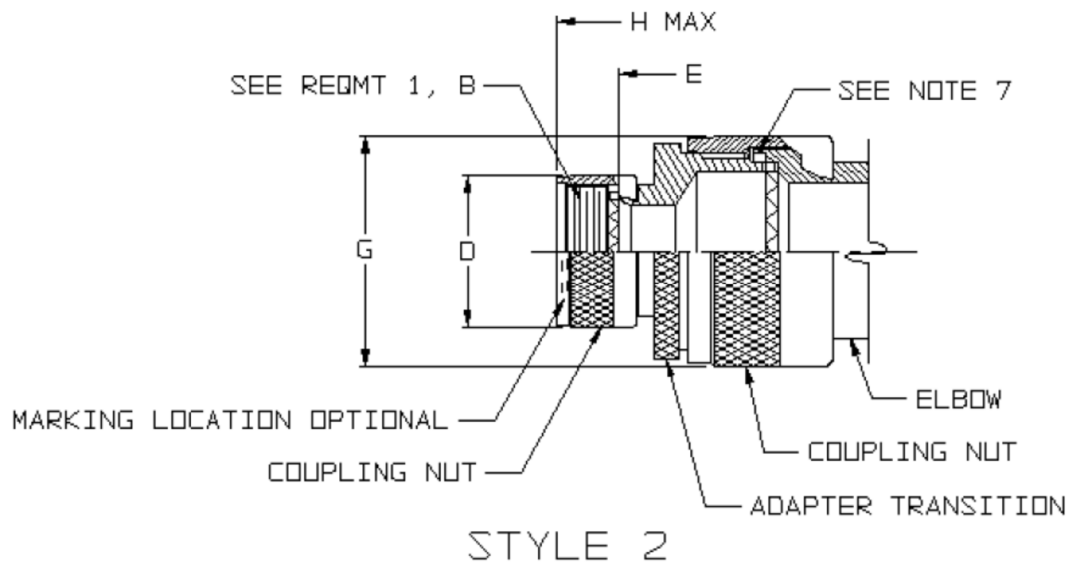


FIGURE 1 - CONFIGURATION AND DIMENSIONS (CONTINUED)

TABLE 1 - DIMENSIONS

DASH NO.	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	AS95234, AS50151 CRIMP	MIL-DTL- 83723 SERIES III		MIN	MAX				
1	3				4	.125 (3.2)	.250 (6.4)	1	1.800 (45.7)	1.027 (26.1)	.669 (17.0)
2					6	.250 (6.4)	.437 (11.1)	2	1.320 (33.5)	1.027 (26.1)	.669 (17.0)
3		8	8S	8	4	.125 (3.2)	.250 (6.4)	1	1.200 (30.5)	1.027 (26.1)	.617 (15.7)
4		10	10S, 10SL	10	4	.125 (3.2)	.312 (7.9)	1	1.920 (48.8)	1.027 (26.1)	.734 (18.6)
5					6	.250 (6.4)	.375 (9.5)	1	1.320 (33.5)	1.027 (26.1)	.734 (18.6)
6	7	12	12, 12S	12	4	.125 (3.2)	.312 (7.9)	1	1.940 (49.3)	1.027 (26.1)	.858 (21.8)
7					6	.250 (6.4)	.437 (11.1)	1	1.940 (49.3)	1.027 (26.1)	.858 (21.8)
8					10	.350 (8.9)	.500 (12.7)	1	1.335 (33.9)	1.027 (26.1)	.858 (21.8)
9	12	14	14, 14S	14	6	.250 (6.4)	.437 (11.1)	1	2.010 (51.1)	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	2.100 (53.3)	1.027 (26.1)	1.112 (28.2)
12					12	.500 (12.7)	.700 (17.8)	1	1.745 (44.3)	1.059 (26.9)	1.112 (28.2)
13	27	18	18	18	10	.350 (8.9)	.625 (15.9)	1	2.270 (57.7)	1.027 (26.1)	1.218 (30.9)
14					16	.625 (15.9)	.779 (19.8)	1	1.920 (48.8)	1.156 (29.4)	1.218 (30.9)

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TABLE 1 - DIMENSIONS (CONTINUED)

DASH NO.	E DIM ±.125 (3.2)	V THREAD CLASS 2A	F DIM MAX	G DIA MAX	H DIM MAX
1	.636 (16.2)	.625-24 UNEF	1.18 (30.0)	-	1.57 (39.9)
2	1.386 (35.2)	.750-20 UNEF	2.02 (51.3)	.858 (21.8)	2.41 (61.2)
3	.541 (13.7)	.625-24 UNEF	1.09 (27.7)	-	1.48 (37.6)
4	.636 (16.2)	.625-24 UNEF	1.18 (30.0)	-	1.57 (39.9)
5	.636 (16.2)	.750-20 UNEF	1.27 (32.3)	-	1.66 (42.2)
6	.641 (16.3)	.625-24 UNEF	1.18 (30.0)	-	1.57 (39.9)
7	.641 (16.3)	.750-20 UNEF	1.28 (32.5)	-	1.67 (42.4)
8	.641 (16.3)	1.000-20 UNEF	1.37 (34.8)	-	1.76 (44.7)
9	.741 (18.8)	.750-20 UNEF	1.38 (35.1)	-	1.77 (45.0)
10	.741 (18.8)	1.000-20 UNEF	1.47 (37.3)	-	1.86 (47.2)
11	.926 (23.5)	.750-20 UNEF	1.59 (40.4)	-	1.98 (50.3)
12	.926 (23.5)	1.187-18 UNEF	1.77 (45.0)	-	2.15 (54.6)
13	1.016 (25.8)	1.000-20 UNEF	1.80 (45.7)	-	2.19 (55.6)
14	1.016 (25.8)	1.437-18 UNEF	1.97 (50.0)	-	2.36 (59.9)

TABLE 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	AS95234, AS50151 CRIMP	MIL-DTL- 83723 SERIES III		MIN	MAX				
15	37	20	20	20	10	.350 (8.9)	.625 (15.9)	1	2.270 (57.7)	1.027 (26.1)	1.345 (34.2)
16					16	.625 (15.9)	.904 (23.0)	1	1.920 (48.8)	1.156 (29.4)	1.345 (34.2)
17	37	22	22	22	12	.500 (12.7)	.750 (19.1)	1	2.380 (60.5)	1.059 (26.9)	1.468 (37.3)
18					20	.875 (22.2)	1.029 (26.1)	1	2.025 (51.4)	1.375 (34.9)	1.468 (37.3)
19		24	24	24	12	.500 (12.7)	.750 (19.1)	1	2.380 (60.5)	1.069 (27.2)	1.593 (40.5)
20					20	.875 (22.2)	1.144 (29.1)	1	2.025 (51.4)	1.375 (34.9)	1.593 (40.5)
21		28	28	28	16	.625 (15.9)	.937 (23.8)	1	2.550 (64.8)	1.156 (29.4)	1.969 (50.0)
22					24	1.000 (24.4)	1.375 (34.9)	1	2.195 (55.8)	1.500 (38.1)	1.969 (50.0)
23					16	.625 (15.9)	.937 (23.8)	1	2.800 (71.1)	1.156 (29.4)	2.219 (56.4)
24					20	.875 (22.2)	1.250 (31.8)	1	2.800 (71.1)	1.375 (34.9)	2.219 (56.4)
25					28	1.250 (31.8)	1.625 (41.3)	1	2.445 (62.1)	1.781 (45.2)	2.219 (56.4)
26					16	.625 (15.9)	.937 (23.8)	1	2.770 (70.4)	1.156 (29.4)	2.469 (62.7)
27					24	1.000 (24.5)	1.375 (34.9)	1	2.770 (70.4)	1.500 (38.1)	2.469 (62.7)
28					32	1.437 (36.5)	1.840 (46.7)	1	2.415 (61.3)	1.830 (46.5)	2.469 (62.7)

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