

REV.
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SAE AS85049/53

RATIONALE

THIS REVISION IS REQUIRED TO INCORPORATE THE OUTSTANDING AMENDMENT, REVIEW FOR KNOWN TECHNICAL ISSUES AND UPDATE TO MEET SAE FORMAT GUIDELINES.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049. SEE APPLICATION NOTE 1.

FEDERAL SUPPLY CLASS
5935

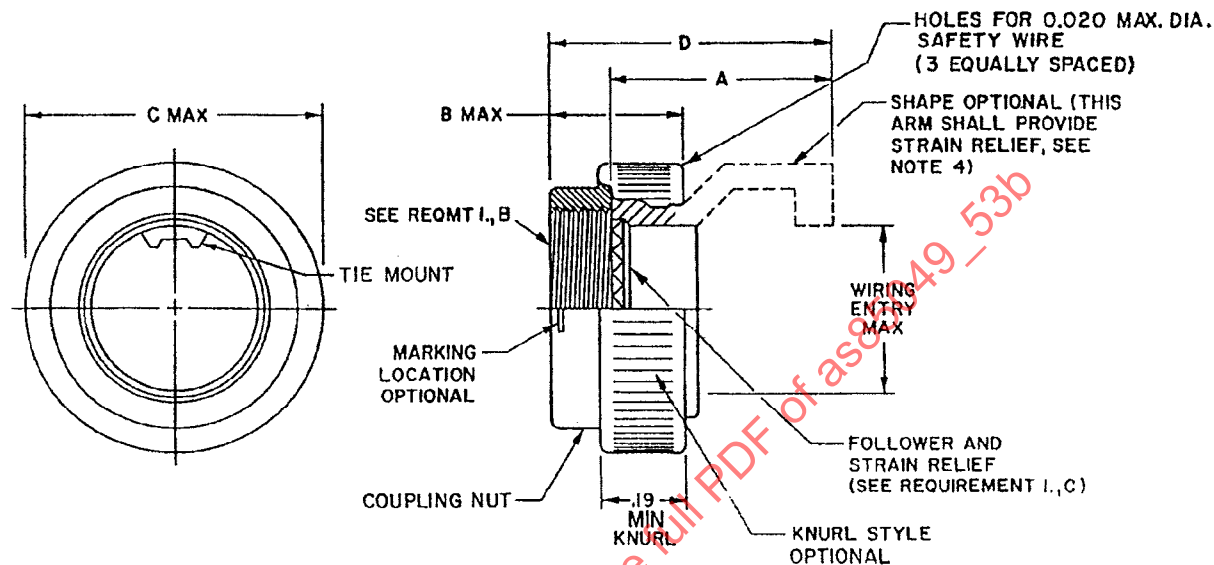


FIGURE 1 - CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/53B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NONENVIRONMENTAL, STRAIGHT, CATEGORY 4C (FOR AS50151 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

SAE AS85049/53
SHEET 1 OF 3

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ISSUED 2001-07 REVISED 2011-03

TABLE 1 - DIMENSIONS

DASH NO.	FOR CONNECTOR SHELL, SIZE (REF)				A MAX	B MAX	C DIA MAX	D MAX	WIRING ENTRY MAX
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	AS50151 CRIMP	MIL-DTL-83723 SERIES III					
03	3	--	--	--	.954 (24.23)	.540 (13.72)	.669 (16.99)	1.310 (33.27)	.260 (6.60)
08	--	8	8S	8	.954 (24.23)	.540 (13.72)	.617 (15.67)	1.310 (33.27)	.260 (6.60)
10	--	10	10,10SL	10	.954 (24.23)	.540 (13.72)	.734 (18.64)	1.310 (33.27)	.365 (9.27)
12	7	12	12,12S	12	.954 (24.23)	.540 (13.72)	.858 (21.79)	1.560 (39.62)	.501 (12.73)
14	12	14	14,14S	14	1.204 (30.58)	.540 (13.72)	.984 (24.99)	1.560 (39.62)	.575 (14.61)
16	19	16	16,16S	16	1.204 (30.58)	.540 (13.72)	1.112 (28.24)	1.560 (39.62)	.700 (17.78)
18	27	18	18	18	1.204 (30.58)	.540 (13.72)	1.218 (30.94)	1.560 (39.62)	.779 (19.79)
20	37	20	20	20	1.310 (33.27)	.540 (13.72)	1.345 (34.16)	1.666 (42.32)	.904 (22.96)
22	--	22	22	22	1.430 (36.32)	.540 (13.72)	1.468 (37.29)	1.786 (45.36)	1.029 (26.14)
24	--	24	24	24	1.560 (39.62)	.540 (13.72)	1.593 (40.46)	1.916 (48.67)	1.144 (29.06)
28	--	--	28	--	1.560 (39.62)	.702 (17.83)	1.969 (50.01)	2.098 (53.29)	1.379 (35.03)

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

- DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
- INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH SAE AS85049, FIGURE 4 or 4A.
- COMPLETE STRAIN RELIEF UNIT CONSISTS OF COUPLING NUT AND A FOLLOWER WITH STRAIN RELIEF ARM. THE COUPLING SHALL BE CAPTIVATED TO THE FOLLOWER AND FREE TO ROTATE.

2. MATERIAL AND FINISH: SEE TABLE 2.

TABLE 2 - MATERIAL AND FINISH

FIGURE	MATERIAL	FINISH
COUPLING NUT AND FOLLOWER	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	A, <u>1</u> / N, <u>2</u> / W, X, Y <u>2</u> / Z
TIE MOUNT	POLYAMIDE (OPTIONAL)	NONE
FASTENER	STAINLESS STEEL (OPTIONAL)	NONE

1/ NOT FOR NAVY USE, RESTRICTED TO AIR FORCE SPACE APPLICATIONS ONLY.

2/ W AND Z FINISH NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE SPECIFICATION NOTES.

3. QUALIFICATION: SEE SAE AS85049, CATEGORY 4C.

4. PART NUMBER: SEE EXAMPLE BELOW:

