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RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO CORRECT THE DOCUMENT TITLE.

NOTICE

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

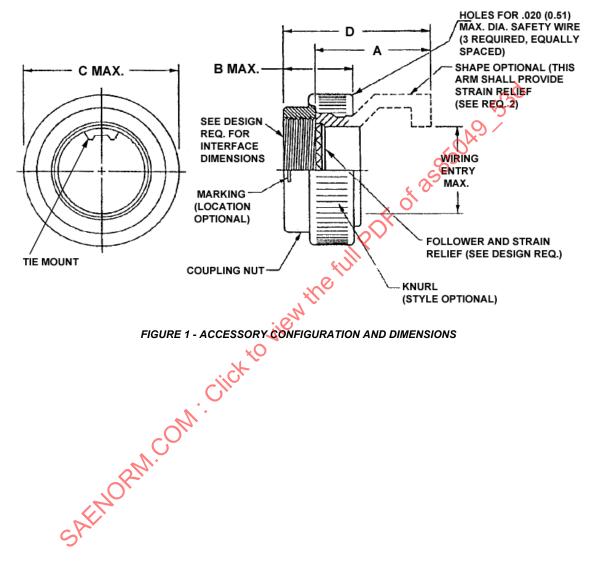


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit

https://www.sae.org/standards/content/AS85049/53D

THIRD ANGLE PROJECTION

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NONENVIRONMENTAL, STRAIGHT, CATEGORY 4C (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049™/53 SHEET 1 OF 3

REV. D

REVISED 2021-06

SSUED 2001-07

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TABLE 1 - DIMENSIONS

	FOR CONNECTOR SHELL, SIZE (REF)								
				MIL-DTL-					
		MIL-DTL-	AS50151	83723			С		WIRING
DASH	AS81703	26482	CRIMP	SERIES	Α	В	DIA	D	ENTRY
NO.	SERIES 3	SERIES 2	AS95234	III	MAX	MAX	MAX	MAX	MAX
03	3	1	-	1	.954 (24.23)	.540 (13.72)	.669 (16.99)	1.310 (33.27)	.260 (6.60)
80		8	88	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: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT 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 SHALL BE: .XX = ±.03 AND .XXX = ±.015 ANGULAR TOLERANCES X = ±2. METRIC EQUIVALENTS ARE IN PARENTHESES, ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.

INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH 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 SHALL BE FREE TO ROTATE.

- 2. STRAIN RELIEF UNIT IS USED WITH MS3367-1-X PLASTIC STRAP (SEE APPLICATION NOTE 1) QUALIFIED IN ACCORDANCE WITH AS23190, MIL-DTL-713 LACING TWINE, OR A-A-52080 THRU 52084 LACING TAPE, OR EQUIVALENT, NOT SUPPLIED WITH THE CONNECTOR ACCESSORY.
- 3. THIS CLAMP WILL NOT ACCOMMODATE CONNECTORS USING SIZE 8, 4, AND 0 CONTACTS.
- 4. 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/ N FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO SALT WATER CORROSION.
- 2/ W AND Z FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO OUT GASSING (ALSO SEE SPECIFICATION NOTES).
- 5. QUALIFICATION: REFER TO AS85049, CATEGORY 4C.

