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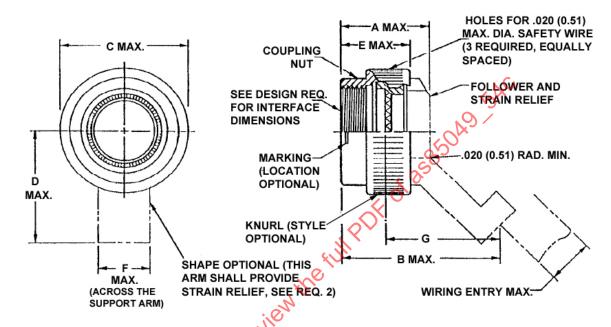
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RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 AS STANDARD FORMAT, REMOVE IMAGES, ADD PLASTIC TIE WRAP RESTRICTION TO NOTICE ON FIRST PAGE, CLARIFY RESTRICTIONS, AND ADD AS95234 TO THE DOCUMENT TITLE AND TABLE 1.

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.



SAEMORM. CHICK FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit https://www.sae.org/standards/content/AS85049/54C THIRD ANGLE PROJECTION

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NONENVIRONMENTAL, 45°, CATEGORY 4C (FOR AS50151 CRIMP, AS9524, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049™/54 SHEET 1 OF 3

REV. C

REAFFIRMED 2021-06

REVISED 2016-11

2001-07

ISSNI

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TABLE 1 - FIGURE 1 DIMENSIONS

	FOR CONNECTOR SHELL SIZE (REF)											
				MIL-DTL-								
		MIL-DTL-	AS50151	83723			С			F		WIRING
DASH	AS81703	26482	CRIMP	SERIES	Α	В	DIA.	D	E	MAX.	G	ENTRY
NUMBER	SERIES 3	SERIES 2	AS95234	III	MAX.	MAX.	MAX.	MAX.	MAX.	<u>1</u> /	MAX.	MAX.
					.790	1.562	.782	1.110	.540	.500	1.232	.260
03	3				(20.07)	(39.67)	(19.86)	(28.19)	(13.72)	(12.70)	(31.29)	(6.60)
					.790	1.562	.657	1.110	.540	.463	1.232	.260
80		8	8S	8	(20.07)	(39.67)	(16.69)	(28.19)	(13.72)	(11.76)	(31.29)	(6.60)
					.790	1.562	.782	1.110	.540	.551	1.232	.365
10		10	10S,10SL	10	(20.07)	(39.67)	(19.86)	(28.19)	(13.72)	(14.00)	(31.29)	(9.27)
40	_	40	40.400	40	.790	1.562	.937	1.110	.540	.644	1.232	.501
12	7	12	12,12S	12	(20.07)	(39.67)	(23.80)	(28.19)	(13.72)	(16.36)	(31.29)	(12.73)
4.4	40	4.4	44440	4.4	.790	1.562	1.050	1.200	.540	.738	1.232	.575
14	12	14	14,14S	14	(20.07)	(39.67)	(26.67)	(30.48)	(13.72)	(18.75)	(31.29)	(14.61)
16	10	16	16.160	16	.790	1.562	1.239	1.200	.540	.834	1.232	.700
16	19	10	16,16S	16	(20.07)	(39.67)	(31.47)	(30.48)	(13.72)	(21.18)	(31.29)	(17.78)
18	27	18	18	18	.790 (20.07)	1.562 (39.67)	1.378 (35.00)	1.300 (33.02)	.540 (13.72)	.914 (23.22)	1.232 (31.29)	.779 (19.79)
10	21	10	10	10	.790	1.812	1.500	1.300	.540	1.00	1.482	.904
20	37	20	20	20	(20.07)	(46.02)	(38.10)	(33.02)	(13.72)	(25.40)	(37.64)	(22.96)
	<u> </u>				.790	1.812	1.631	1400	.540	1.10	1.482	1.029
22		22	22	22	(20.07)	(46.02)	(41.43)	(35.56)	(13.72)	(27.94)	(37.64)	(26.14)
					.790	1.812	1.750	1.400	.540	1.20	1.482	1.144
24		24	24	24	(20.07)	(46.02)	(44.45)	(35.56)	(13.72)	(30.48)	(37.64)	(29.06)
					.952	1.969	1.970	1.500	.702	1.48	1.469	1.379
28			28		(24.18)	(50.01)	(50.04)	(38.10)	(17.83)	(37.59)	(37.31)	(35.03)

^{1/} DIMENSION F IS THE WIDTH ACROSS THE WIRE SUPPORT.

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.

A COMPLETE STRAIN RELIEF UNIT CONSISTS OF COUPLING NUT AND A FOLLOWER WITH STRAIN RELIEF ARM. THE COUPLING NUT SHALL BE CAPTIVATED TO THE FOLLOWER AND SHALL BE FREE TO ROTATE.

- STRAIN RELIEF UNIT IS USED WITH MS3367-1-X PLASTIC STRAP (SEE APPLICATION NOTE 1) QUALIFIED IN ACCORDANCE WITH AS23190, OR A-A-52080 THROUGH 52084 LACING TAPE, OR EQUIVALENT, NOT SUPPLIED WITH THE CONNECTOR ACCESSORY.
- THIS CLAMP WILL NOT ACCOMMODATE CONNECTORS USING SIZE 8, 4, AND 0 CONTACTS.

