

REV.
A

SAE AS85049/56

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 AND THE LATEST ISSUE OF SAE AS85049. SEE APPLICATION NOTE 1.

FEDERAL SUPPLY CLASS
5935

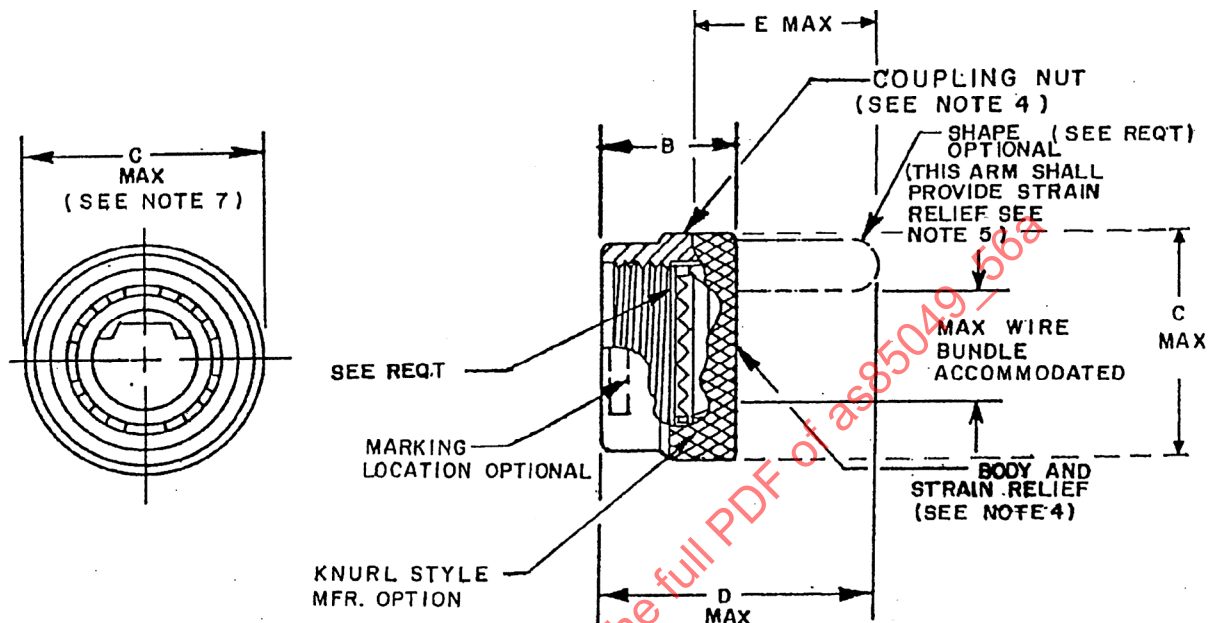
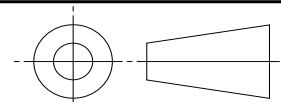


FIGURE 1- DIMENSIONS AND CONFIGURATION

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/56A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL,
STRAINRELIEF, STRAIGHT, CATEGORY 4C
(MIL-DTL-38999 SERIES I AND II CONNECTORS)

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NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. TOLERANCES SHALL BE: XX = ± 0.03 AND .XXX = ± 0.015 ANGULAR TOLERANCES X = ± 2 .
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.
4. COMPLETE STRAIN RELIEF UNIT CONSISTS OF COUPLING NUT AND BODY WITH STRAIN RELIEF ARM. THE COUPLING NUT SHALL BE CAPTIVATED TO THE BODY AND FREE TO ROTATE.
5. 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.
6. THIS ACCESSORY WILL NOT ACCOMMODATE CONNECTORS USING 8, 4, AND 0 CONTACTS.
7. C MAX IS THE MAXIMUM ENVELOPE DIMENSIONS OF THE STRAIN RELIEF.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.

INTERFACE DIMENSIONS SHALL CONFORM TO MIL-DTL-38999, SERIES I AND II.

NO PART OF STRAIN RELIEF ARM SHALL EXTEND BEYOND C MAXIMUM.

MATERIAL AND FINISH: SEE TABLE 2

TABLE 1 – SHELL SIZE AND DIMENSIONS

DASH NUMBER	SHELL SIZE		B MAX	C DIA MAX	D MAX	MAXIMUM WIRE BUNDLE ACCOMMODATED	E MAX
	SERIES II	SERIES I					
8	8	9	.54 (13.72)	.86 (21.84)	1.09 (27.69)	.264 (6.71)	.90 (22.86)
10	10	11	.54 (13.72)	.98 (24.89)	1.09 (27.69)	.392 (9.96)	.90 (22.86)
12	12	13	.54 (13.72)	1.16 (29.46)	1.15 (29.21)	.506 (12.85)	.96 (24.38)
14	14	15	.54 (13.72)	1.28 (32.51)	1.33 (33.78)	.631 (16.03)	1.14 (28.96)
16	16	17	.54 (13.72)	1.41 (35.81)	1.33 (33.78)	.756 (19.20)	1.14 (28.96)
18	18	19	.54 (13.72)	1.52 (38.61)	1.39 (35.31)	.844 (21.44)	1.20 (30.48)
20	20	21	.54 (13.72)	1.64 (41.66)	1.52 (38.61)	.970 (24.64)	1.33 (33.78)
22	22	23	.54 (13.72)	1.77 (44.96)	1.64 (41.66)	1.094 (27.79)	1.45 (36.83)
24	24	25	.54 (13.72)	1.89 (48.01)	1.78 (45.21)	1.219 (30.96)	1.59 (40.39)

TABLE 2 – MATERIAL AND FINISH

FIGURE	MATERIAL	FINISH
COUPLING NUT AND FOLLOWER	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	A, 1/ N, 2/ W, X, 2/ 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.