

REV. B

SAE AS85049/45

FEDERAL SUPPLY CLASS
5935

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.

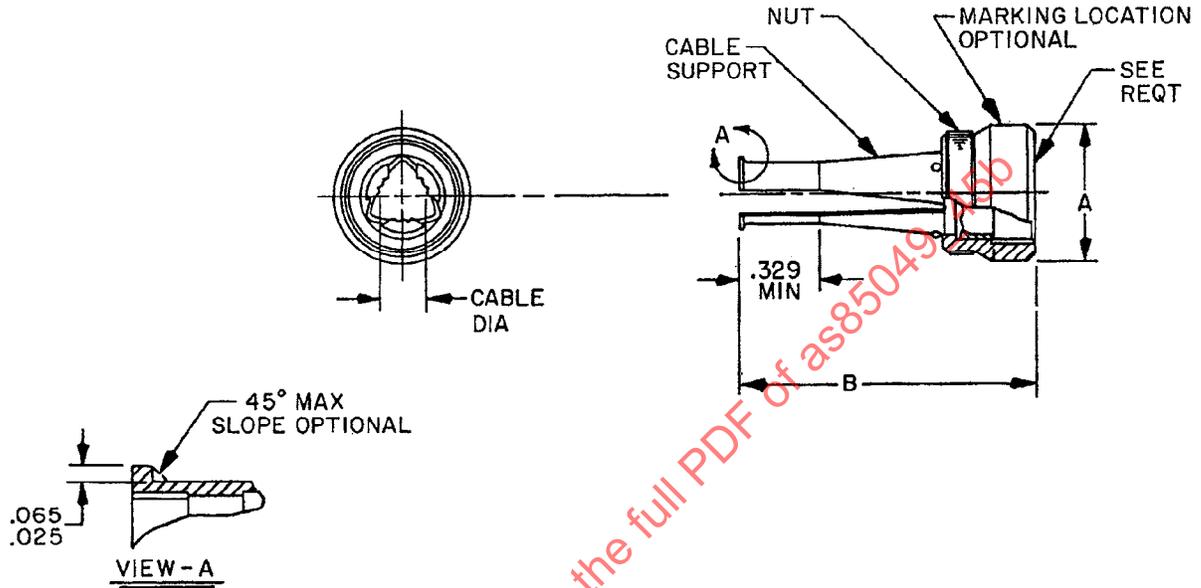
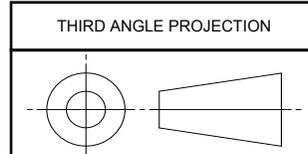


FIGURE 1 - CONFIGURATIONS AND DIMENSIONS

TABLE 1 - DIMENSIONS

DASH NUMBER	SHELL SIZE		A MAX	B MAX	CABLE DIAMETER	
	SERIES II	SERIES I			MIN	MAX
8	8	9	.578 (14.68)	1.344 (34.14)	.094 (2.39)	.203 (5.16)
10	10	11	.703 (17.86)	1.344 (34.14)	.141 (3.58)	.250 (6.35)
12	12	13	.828 (21.03)	1.344 (34.14)	.172 (4.37)	.323 (8.20)
14	14	15	.953 (24.21)	1.344 (34.14)	.203 (5.16)	.422 (10.72)
16	16	17	1.078 (27.38)	1.344 (34.14)	.234 (5.94)	.500 (12.70)
18	18	19	1.203 (30.56)	1.344 (34.14)	.265 (6.73)	.562 (14.27)
20	20	21	1.328 (33.73)	1.422 (36.12)	.297 (7.54)	.625 (15.88)
22	22	23	1.453 (36.91)	1.422 (36.12)	.328 (8.33)	.703 (17.86)
24	24	25	1.578 (40.08)	1.422 (36.12)	.359 (9.12)	.765 (19.43)

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/45B>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, STRAIGHT, NONMETALLIC, CATEGORY 4C (FOR MIL-DTL-27599 SERIES I AND MIL-DTL-38999 SERIES I AND II CONNECTORS)

SAE AS85049/45
SHEET 1 OF 3

REV. B

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ISSUED 2000-05 REVISED 2011-03

NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.

INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049 FIGURE 2.

MATERIAL:

NUT: ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049.

CABLE SUPPORT: NONMETALLIC.

FINISH; NUT:

- A BLACK ANODIZED
- 1/ W CADMIUM, OLIVE DRAB
- X NICKEL FLUOROCARBON POLYMER
- Y PURE DENSE ELECTRODEPOSITED ALUMINUM
- 1/ Z ZINC NICKEL

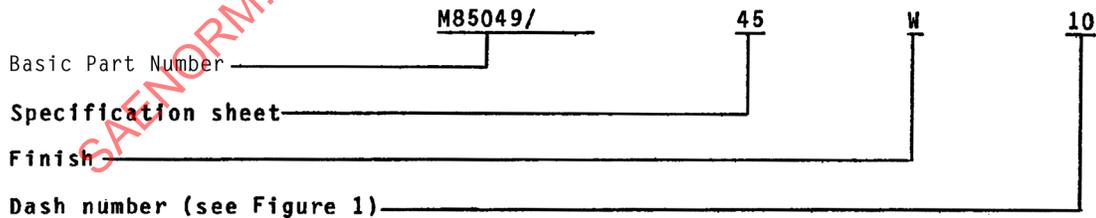
1/ W AND Z FINISH ARE NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE SPECIFICATION NOTES.

TEMPERATURE RATING:

- A. -65 TO +250 °F CONTINUOUS.
- B. +345 °F FOR 10 MINUTE INTERVALS.
- C. +420 °F FOR 1 MINUTE INTERVALS.
- D. ESTIMATE CUMULATIVE LIFE, 24 HOURS AT 345 °F AND 7 HOURS AT 420 °F.

POSITION OF SLOTS RELATIVE TO OPPOSITE OPENING IS OPTIONAL.

PART NUMBER: SEE EXAMPLE BELOW:



QUALIFICATION:

SEE SAE AS85049, CATEGORY 4C, BENDING MOMENT NOT APPLICABLE.

	AEROSPACE STANDARD	SAE AS85049/45 SHEET 2 OF 3	REV. B
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, STRAIGHT, NONMETALLIC, CATEGORY 4C (FOR MIL-DTL-27599 SERIES I AND MIL-DTL-38999 SERIES I AND II CONNECTORS)		