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REV.
C

AS85049™/20

FEDERAL SUPPLY CLASS
5935

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO ADD FIGURE 3A REFERENCE, TO CHANGE THE NOTES TO REQUIREMENTS, TO UPDATE THE FINISH RESTRICTIONS TO AC APPROVED LANGUAGE, AND TO ADD APPLICABLE METRIC EQUIVALENTS TO FIGURE 1.

NOTICE

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

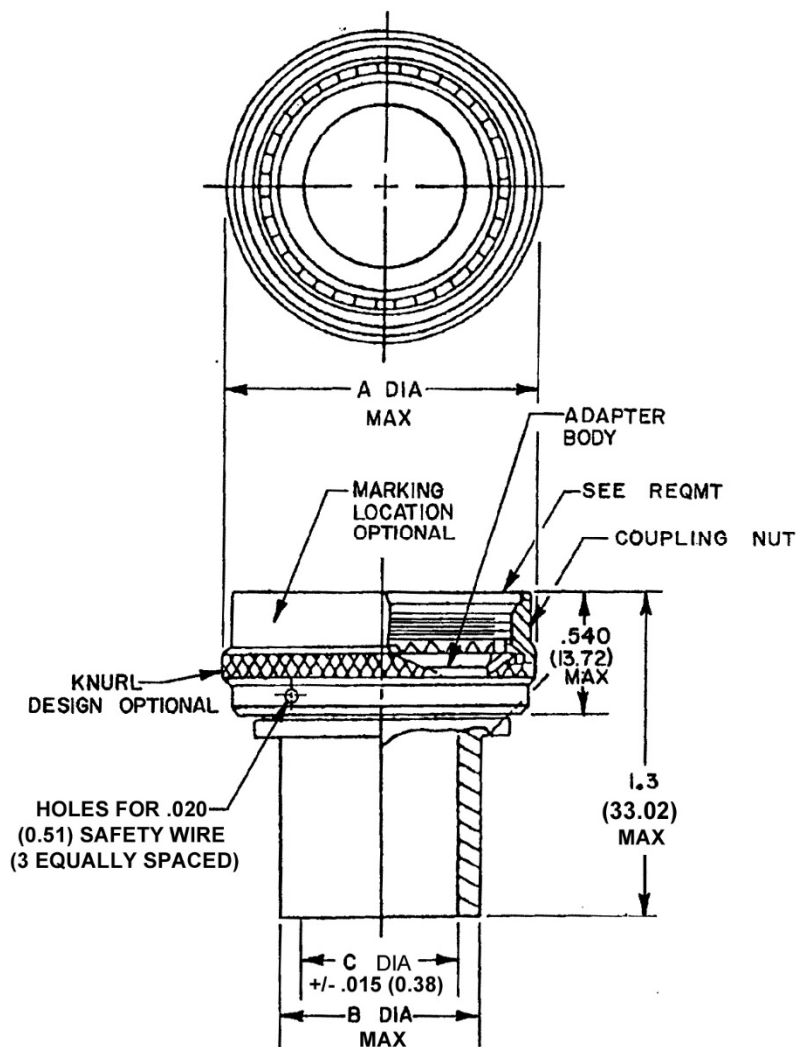
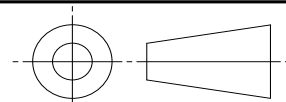


FIGURE 1 - CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/20C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL,
BACKSHELL, STRAIGHT, RFI/EMI CATEGORY 3B
(FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)

AS85049™/20
SHEET 1 OF 3

REV.
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Documents

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TABLE 1 - SHELL SIZE AND DIMENSIONS

SHELL SIZE	A DIA MAX	B DIA MAX	C ± .015 DIA	AS85049/26-2 RING, SHIELD CRIMP (REF)
9	.75 (19.1)	.347 (8.81)	.250 (6.35)	-8
11	.85 (21.6)	.498 (12.65)	.325 (8.26)	-10
13	1.00 (25.4)	.510 (12.95)	.420 (10.67)	-12
15	1.10 (27.9)	.630 (16.00)	.540 (13.72)	-14
17	1.25 (31.8)	.760 (19.30)	.670 (17.02)	-16
19	1.40 (35.6)	.890 (22.61)	.789 (20.04)	-18
21	1.50 (38.1)	1.010 (25.65)	.914 (23.22)	-20
23	1.65 (41.9)	1.130 (28.70)	1.039 (26.39)	-22
25	1.75 (44.5)	1.202 (30.53)	1.112 (28.24)	-24

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATIONS SHALL BE IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. MILLIMETER EQUIVALENTS ARE IN PARENTHESES AND ARE GIVEN FOR GENERAL INFORMATION ONLY. MILLIMETER EQUIVALENTS ARE BASED UPON 1 INCH = 25.4 MM.

2. CRIMP TOOL SHALL BE THOMAS & BETTS INSTALLING HEAD CAT. NO. 13640 OR EQUIVALENT AND INSTALLING DIES.

3. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.

4. INTERFACE DIMENSIONS IN ACCORDANCE WITH AS85049, FIGURE 3 OR 3A.

5. THE COUPLING NUT SHALL BE CAPTIVATED TO THE ADAPTER BODY AND FREE TO ROTATE.

6. MATERIAL: ADAPTER BODY AND COUPLING NUT - ALUMINUM ALLOY IN ACCORDANCE WITH AS85049.

7. FINISH: IN ACCORDANCE WITH AS85049.

- 1/ N ELECTROLESS NICKEL
- 2/ W CADMIUM, OLIVE DRAB
- X NICKEL FLUOROCARBON POLYMER
- 2/ Z ZINC NICKEL

- 1/ N FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO SALT WATER CORROSION.
- 2/ W AND Z FINISHES NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO OUT GASSING (SEE SPECIFICATION NOTES).

	AEROSPACE STANDARD	AS85049™/20 SHEET 2 OF 3	REV. C
	CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, STRAIGHT, RFI/EMI CATEGORY 3B (FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)		



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