

REV.
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SAE AS85049/20

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT / INDUSTRY AND INCORPORATED THE AS85049/20A-A2 AMENDMENT. ALIGN SPECIFICATION WITH SAE GUIDELINES AND REVIEWED SPECIFICATION FOR KNOWN TECHNICAL ISSUES.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

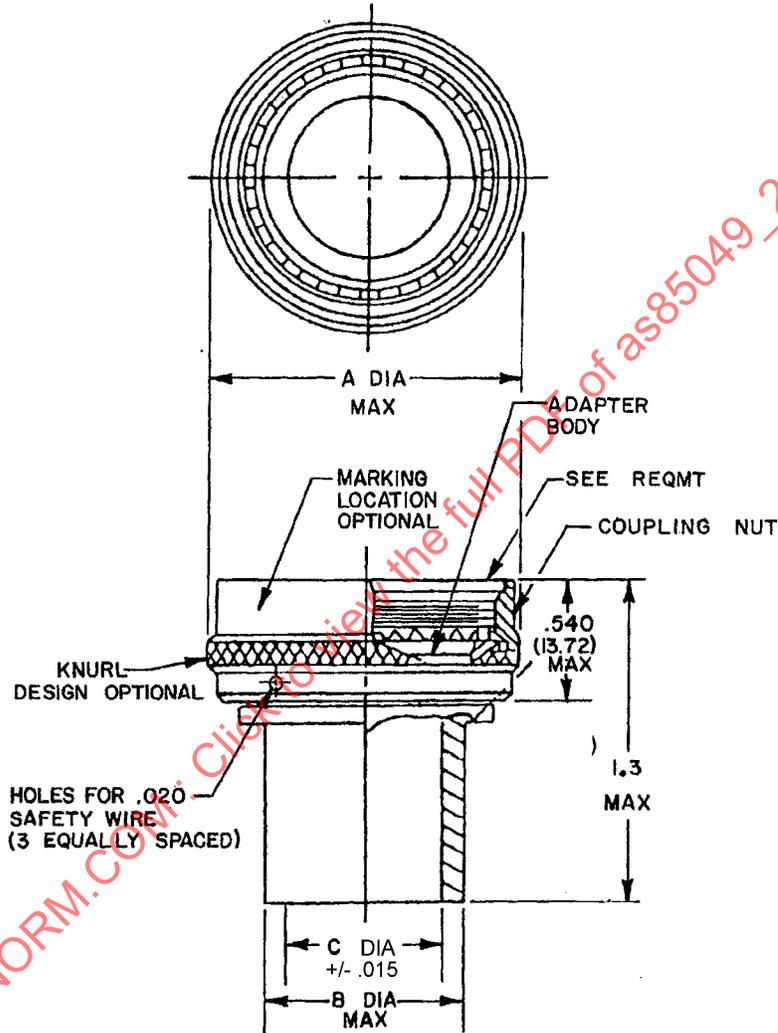
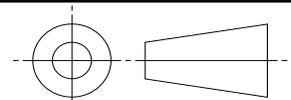


FIGURE 1 - CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/20B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS85049/20
SHEET 1 OF 3

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ISSUED 2000-04 REVISED 2011-01

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

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS APPLY AFTER PLATING.
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM.
4. METRIC EQUIVALENTS ARE IN PARENTHESES.
5. CRIMP TOOL SHALL BE THOMAS & BETTS INSTALLING HEAD CAT. NO. 13640 OR EQUIVALENT AND INSTALLING DIES.

REQUIREMENTS

1. DESIGN AND CONSTRUCTION:
 2. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.
 3. INTERFACE DIMENSIONS IN ACCORDANCE WITH SAE AS85049, FIGURE 3.
 4. THE COUPLING NUT SHALL BE CAPTIVATED TO THE ADAPTER BODY AND FREE TO ROTATE.
 5. MATERIAL: ADAPTER BODY AND COUPLING NUT - ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049.
 6. FINISH: IN ACCORDANCE WITH SAE AS85049.
 - 1/ N ELECTROLESS NICKEL
 - 2/ W CADMIUM, OLIVE DRAB
 - X NICKEL FLUOROCARBON POLYMER
 - 2/ Z ZINC NICKEL
- 1/ N FINISH IS NOT FOR NAVY USE, RESTRICTED TO AIR FORCE SPACE APPLICATIONS ONLY.
 2/ W AND Z FINISH ARE NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE SPECIFICATION NOTES.