

REV.
A

SAE AS85049/30

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT / INDUSTRY AND INCORPORATED THE AS85049/30-A1 AMENDMENT. ALIGN SPECIFICATION WITH SAE GUIDELINES AND REVIEWED SPECIFICATION FOR KNOWN TECHNICAL ISSUES

NOTICE

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

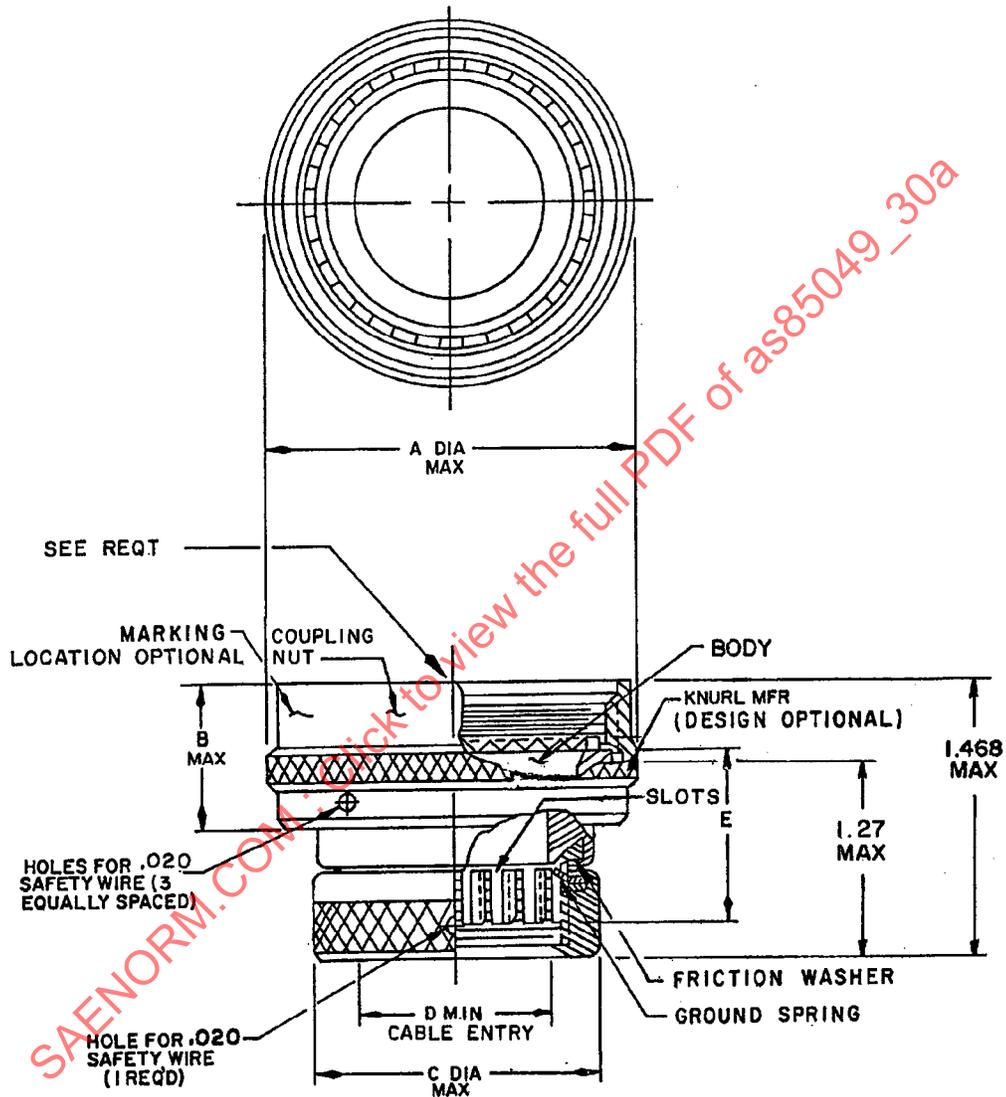
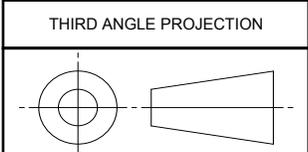


FIGURE 1 - DIMENSIONS AND CONFIGURATION

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CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, INDIVIDUAL SHIELDED WIRE TERMINATION, CATEGORY 3B (FOR MIL-C-38999 SERIES I AND II CONNECTORS)

SAE AS85049/30
SHEET 1 OF 3

REV. A

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ISSUED 2000-05 REAFFIRMED 2006-01 REVISED 2011-01

TABLE 1 – DASH NUMBERS AND DIMENSIONS

| DASH NO. | FITS CONNECTOR SHELL SIZE | | A DIA. MAX. | B MAX. | C DIA. MAX. | D MIN CABLE ENTRY | E ±.060 (1.52) | NO. OF SLOTS |
|----------|---------------------------|----------|-------------|------------|-------------|-------------------|----------------|--------------|
| | SERIES II | SERIES I | | | | | | |
| 08 | 8 | 9 | .75 (19.1) | .54 (13.7) | .55 (14.0) | .250 (6.4) | 1.00 (25.4) | 3 |
| 10 | 10 | 11 | .85 (21.6) | .54 (13.7) | .67 (17.0) | .375 (9.5) | 1.00 (25.4) | 4 |
| 12 | 12 | 13 | 1.00 (25.4) | .54 (13.7) | .80 (20.3) | .500 (12.7) | 1.00 (25.4) | 6 |
| 14 | 14 | 15 | 1.10 (29.9) | .54 (13.7) | .92 (23.4) | .625 (15.9) | 1.00 (25.4) | 8 |
| 16 | 16 | 17 | 1.25 (31.8) | .54 (13.7) | 1.05 (26.7) | .750 (19.1) | 1.00 (25.4) | 10 |
| 18 | 18 | 19 | 1.40 (35.6) | .54 (13.7) | 1.17 (29.7) | .844 (21.4) | 1.00 (25.4) | 10 |
| 20 | 20 | 21 | 1.50 (38.1) | .54 (13.7) | 1.30 (33.0) | .970 (24.6) | 1.00 (25.4) | 12 |
| 22 | 22 | 23 | 1.65 (41.9) | .54 (13.7) | 1.42 (36.1) | 1.094 (27.8) | 1.00 (25.4) | 15 |
| 24 | 24 | 25 | 1.75 (44.5) | .54 (13.7) | 1.67 (42.4) | 1.219 (31.0) | 1.00 (25.4) | 15 |

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.

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:
 2. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
 3. INTERFACE DIMENSIONS IN ACCORDANCE WITH SAE AS85049, FIGURE 2.
 4. THE ACCESSORY SHALL CONSIST OF A COUPLING NUT AND BODY, WITH PROVISIONS TO TERMINATE INDIVIDUAL SHIELDS PER MS27741.
 5. THE COUPLING NUT SHALL BE CAPTIVATED TO THE BODY AND FREE TO ROTATE.
 6. ASSEMBLY INSTRUCTIONS: SIMPLIFIED ASSEMBLY INSTRUCTIONS SHALL BE PACKAGED WITH EACH ACCESSORY.
 7. MATERIAL: ADAPTER BODY AND COUPLING NUT ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049. GROUND SPRING: COPPER ALLOY, GOLD PLATED. FRICTION WASHER: TEFLON.
 8. 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.

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|---|---|---------------------------------------|-------------------------|
|  An SAE International Group | AEROSPACE STANDARD | SAE AS85049/30 SHEET 2 OF 3 | REV. A |
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