

**REV.
B**

AS85049/27

RATIONALE

AS85049/27B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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

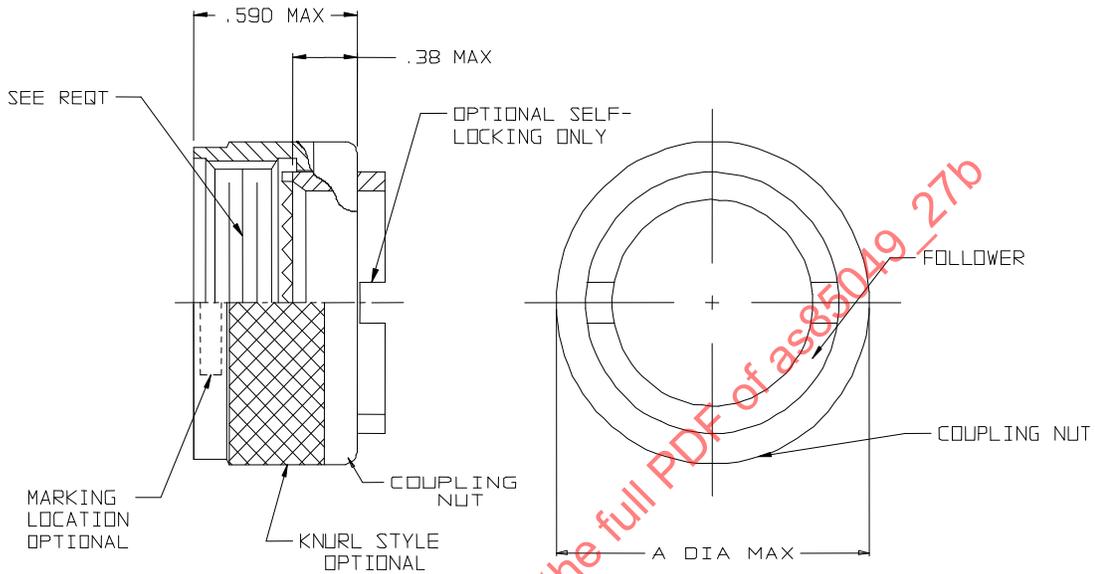
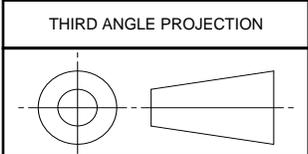


FIGURE 1 - DIMENSIONS AND CONFIGURATIONS (SELF-LOCKING ONLY)

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SELF-LOCKING AND NON-SELF-LOCKING, CATEGORY 3B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049/27
SHEET 1 OF 4

**REV.
B**

TABLE 1A - SHELL SIZES AND DIMENSIONS (SELF-LOCKING)

| DASH NUMBER S | SHELL SIZE | | A DIA MAX |
|------------------|------------|----------|-------------------|
| | SERIES II | SERIES I | SELF-LOCKING ONLY |
| 8 | 8 | 9 | .859 (21.82) |
| 10 | 10 | 11 | .984 (24.99) |
| 12 | 12 | 13 | 1.156 (29.36) |
| 14 | 14 | 15 | 1.281 (32.54) |
| 16 | 16 | 17 | 1.406 (35.71) |
| 18 | 18 | 19 | 1.516 (38.51) |
| 20 | 20 | 21 | 1.641 (41.68) |
| 22 | 22 | 23 | 1.766 (44.86) |
| 24 | 24 | 25 | 1.891 (48.03) |

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS APPLY AFTER PLATING.
3. METRIC EQUIVALENTS ARE IN PARENTHIESES AND ARE GIVEN FOR GENERAL INFORMATION ONLY.

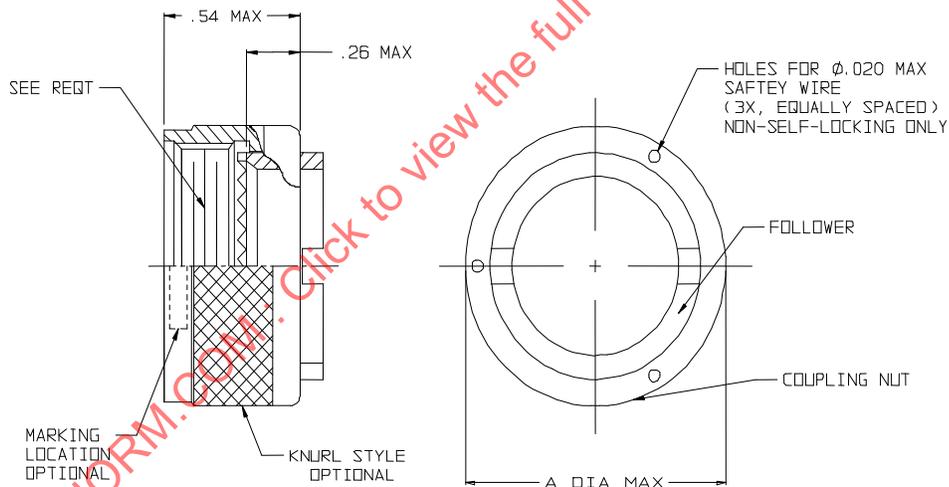


FIGURE 2 - DIMENSIONS AND CONFIGURATION (NON SELF-LOCKING ONLY)

TABLE 1B - SHELL SIZES AND DIMENSIONS (NON-SELF-LOCKING)

| DASH NUMBERS | SHELL SIZE | | A DIA MAX |
|--------------|------------|----------|----------------------|
| | SERIES II | SERIES I | NONSELF-LOCKING ONLY |
| 8 | 8 | 9 | .75 (19.1) |
| 10 | 10 | 11 | .85 (21.6) |
| 12 | 12 | 13 | 1.00 (25.4) |
| 14 | 14 | 15 | 1.10 (27.9) |
| 16 | 16 | 17 | 1.25 (31.8) |
| 18 | 18 | 19 | 1.40 (35.6) |
| 20 | 20 | 21 | 1.50 (38.1) |
| 22 | 22 | 23 | 1.65 (41.9) |
| 24 | 24 | 25 | 1.75 (44.5) |

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS APPLY AFTER PLATING.
3. METRIC EQUIVALENTS ARE IN PARENTHESES AND ARE GIVEN FOR GENERAL INFORMATION ONLY.

REQUIREMENTS

1. DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATIONS: SEE FIGURES 1 AND 2.

2. INTERFACE DIMENSIONS: IN ACCORDANCE WITH SAE AS85049, FIGURE 2.
3. ACCESSORY: CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO THE FOLLOWER AND ROTATEABLE. THIS ACCESSORY WILL NOT ACCOMMODATE CONNECTORS USING SIZE 8, 4, OR 0 CONTACTS.
4. DETENTED SELF-LOCKING PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.
5. MATERIAL AND FINISH: IN ACCORDANCE WITH TABLE 2.

TABLE 2 – MATERIAL AND FINISH

| FIGURE | MATERIAL | FINISH |
|--------|---|--------------------------|
| 1 & 2 | ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049 | N 1/ W 2/, X, Y, Z 2/ |

1/ NOT FOR NAVY USE. AIR FORCE USE IS FOR SPACE APPLICATIONS ONLY.
W IS THE PREFERRED FINISH.
2/ W & Z ARE NOT FOR USE IN SPACE APPLICATION. ALSO SEE SPECIFICATION NOTE

| | | | |
|---|---|-----------------------------------|-------------------------|
|  | AEROSPACE STANDARD | AS85049/27 SHEET 3 OF 4 | REV. B |
| | CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SELF-LOCKING AND NON-SELF-LOCKING, CATEGORY 3B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS) | | |