

REV. C

SAE AS85049/87

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO CORRECT THE FINISH DESCRIPTION FOR THE "P" AND "W" FINISH DESIGNATORS.

NOTICE

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

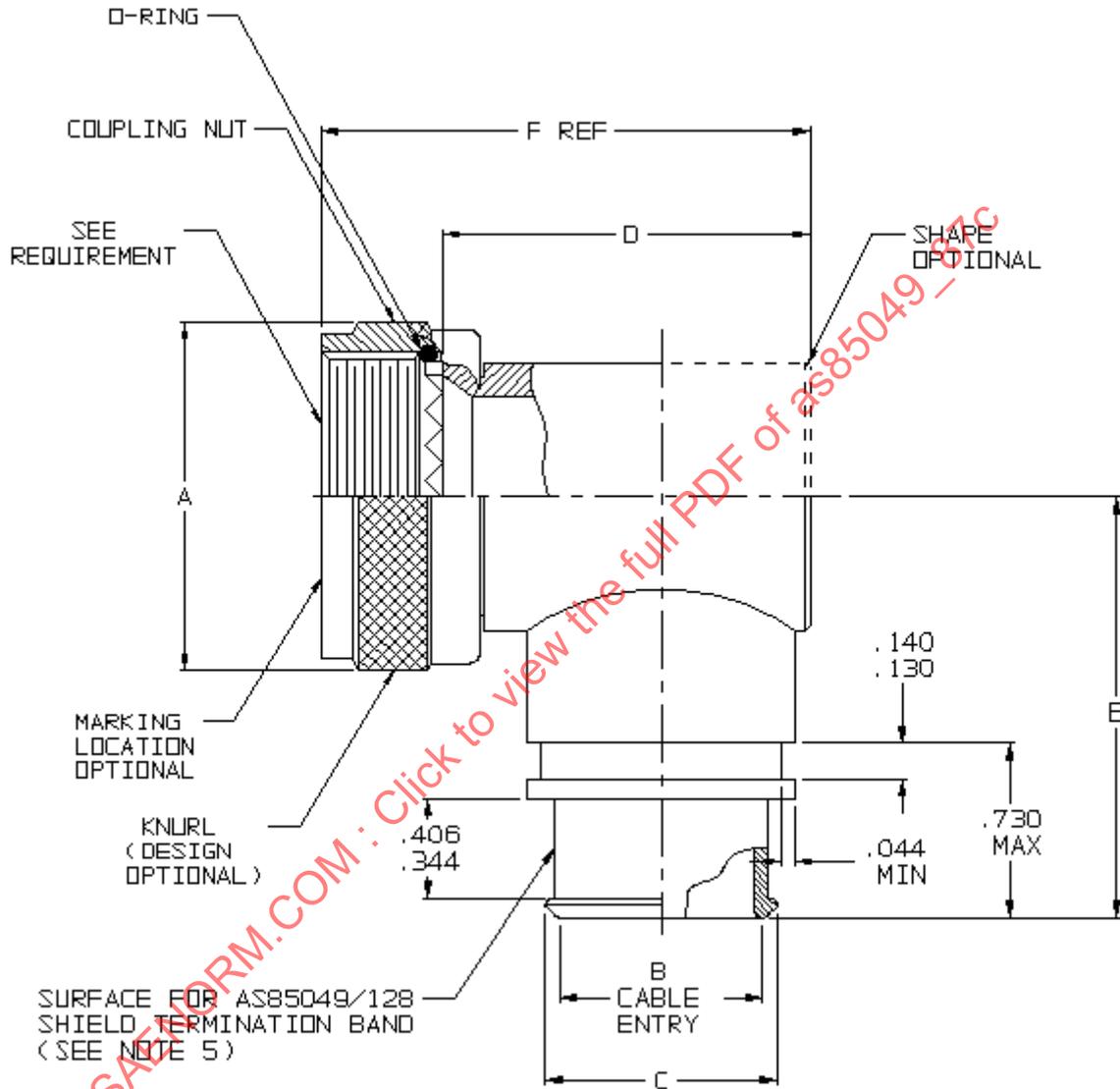
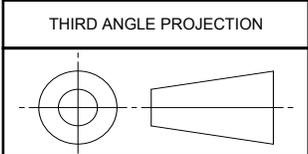


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, 90°, SELF-LOCKING, SHIELD BAND TERMINATION (RFI/EMI), SHRINK SLEEVE ACCOMMODATION, CATEGORY 3B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

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SHEET 1 OF 3

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ISSUED 2000-06 REVISED 2011-06

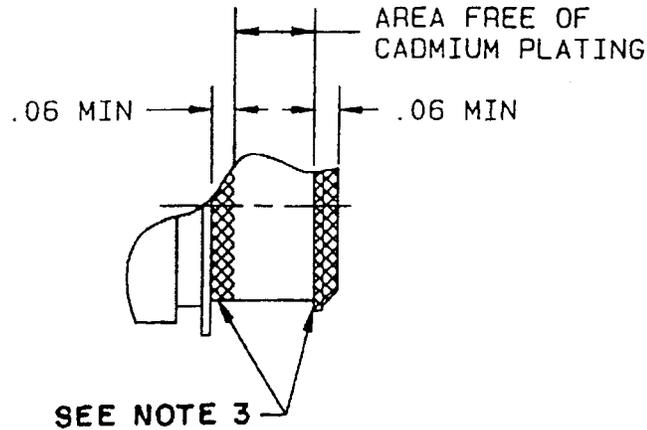


FIGURE 2 - SELECTIVE PLATING

TABLE 1 - SHELL SIZE AND DIMENSIONS

| SHELL SIZE | CONNECTOR SHELL SIZE | | A MAX DIA | B DIA ±.010 ENTRY SIZE | | C DIA REF | | D MAX DIM | E MAX DIM | F REF |
|------------|----------------------|-----------|-----------------|------------------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| | SERIES I | SERIES II | | 02 | 03 | 02 | 03 | | | |
| 08 | 9 | 8 | .858 (21.8) | N/A | .250 | N/A | .395 (10.0) | 1.375 (34.9) | 1.417 (36.0) | 1.563 (39.7) |
| 10 | 11 | 10 | .984 (25.0) | N/A | .312 | N/A | .457 (11.6) | 1.437 (36.5) | 1.480 (37.6) | 1.625 (41.3) |
| 12 | 13 | 12 | 1.157 (29.4) | .312 (7.9) | .438 (11.1) | .457 (11.6) | .583 (14.8) | 1.562 (39.7) | 1.553 (39.4) | 1.750 (44.5) |
| 14 | 15 | 14 | 1.279 (32.5) | .438 (11.1) | .562 (14.3) | .583 (14.8) | .707 (18.0) | 1.687 (42.8) | 1.614 (41.0) | 1.875 (47.6) |
| 16 | 17 | 16 | 1.406 (35.7) | .500 (12.7) | .625 (15.9) | .645 (16.4) | .770 (19.6) | 1.750 (44.5) | 1.678 (42.8) | 1.938 (49.2) |
| 18 | 19 | 18 | 1.516 (38.5) | .625 (15.9) | .750 (19.1) | .770 (19.6) | .895 (22.7) | 1.875 (47.6) | 1.733 (44.0) | 2.063 (52.4) |
| 20 | 21 | 20 | 1.642 (41.7) | .625 (15.9) | .812 (20.6) | .770 (19.6) | .957 (24.3) | 1.938 (49.2) | 1.796 (45.6) | 2.126 (54.0) |
| 22 | 23 | 22 | 1.768 (45.0) | .688 (17.5) | .938 (23.8) | .829 (21.1) | 1.083 (27.5) | 2.062 (52.4) | 1.859 (47.2) | 2.250 (57.2) |
| 24 | 25 | 24 | 1.889 (48.0) | .750 (19.1) | 1.000 (25.4) | .895 (22.7) | 1.145 (29.1) | 2.125 (54.0) | 1.919 (48.7) | 2.313 (58.8) |

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 25.4 MM = 1 INCH.
3. CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT.
4. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING. OPTION 'N' IS A FREE SPINNING SELF-LOCKING COUPLING.
5. RIBBED, KNURL OR SURFACE ROUGHNESS 125-250 IN ACCORDANCE WITH ANSI B46.1

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|  An SAE International Group | AEROSPACE STANDARD | SAE AS85049/87 SHEET 2 OF 3 | REV. C |
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