

REV.
A

AS85049/36

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY USERS. UPDATED ALL REFERENCE SPECIFICATIONS. REMOVED GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD CONVERSION.

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

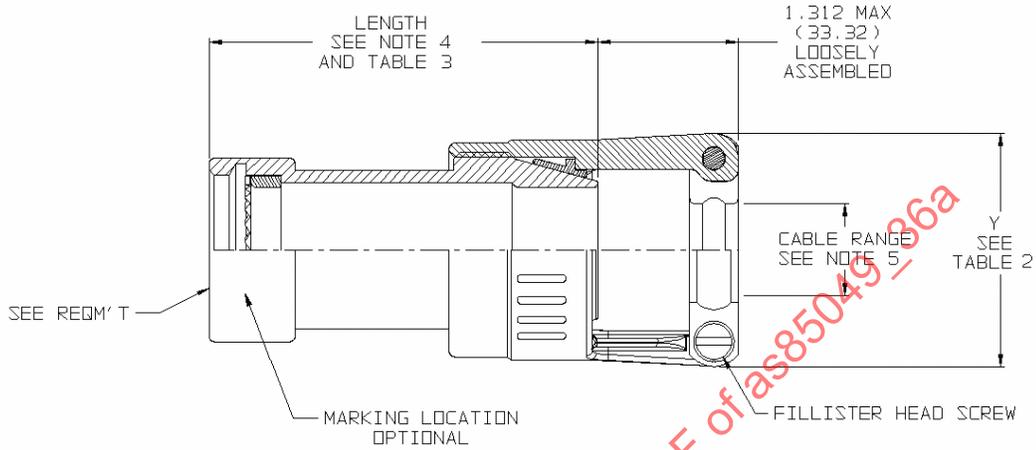


FIGURE 1 - CONFIGURATIONS AND DIMENSIONS

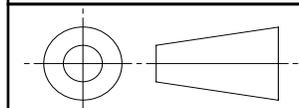
NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM.
3. METRIC EQUIVALENTS ARE IN PARENTHESIS.
4. STANDARD MINIMUM LENGTH IS 1.5 INCH ± .032 INCH (38.1 MM ± .81 MM). SEE TABLE 3 FOR LONGER LENGTHS.
5. SEE TABLE 1 FOR MINIMUM AND MAXIMUM CLAMP SIZE AVAILABLE WITH EACH ACCESSORY SHELL SIZE. SEE TABLE 2 FOR CABLE RANGE FOR EACH CLAMP SIZE.
6. THE CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
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AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3B (FOR MIL-C-27599 SERIES I AND MIL-DTL-38999 SERIES I AND II CONNECTORS)

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SHEET 1 OF 3

REV. A

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TABLE 1 - ACCESSORY SHELL SIZE, CONNECTOR SHELL SIZE AND CLAMP SIZE

| Accessory shell size | Connector shell size | | Min clamp size | Max clamp size |
|----------------------|----------------------|----------|----------------|----------------|
| | Series II | Series I | | |
| 08 | 8 | 9 | 01 | 02 |
| 10 | 10 | 11 | 01 | 03 |
| 12 | 12 | 13 | 02 | 04 |
| 14 | 14 | 15 | 02 | 05 |
| 16 | 16 | 17 | 02 | 06 |
| 18 | 18 | 19 | 03 | 07 |
| 20 | 20 | 21 | 03 | 08 |
| 22 | 22 | 23 | 03 | 09 |
| 24 | 24 | 25 | 04 | 10 |

TABLE 2 - CLAMP SIZE AND DIMENSIONS

| CLAMP SIZE | CABLE RANGE | | Y DIM MAX |
|------------|------------------|------------------|------------------|
| | MIN | MAX | |
| 01 | .062 (1.57) | .125 (3.18) | .781 (19.84) |
| 02 | .125 (3.18) | .250 (6.35) | .969 (24.61) |
| 03 | .250 (6.35) | .375 (9.52) | 1.062 (26.97) |
| 04 | .312 (7.92) | .500 (12.70) | 1.156 (29.36) |
| 05 | .437 (11.10) | .625 (15.88) | 1.250 (31.75) |
| 06 | .562 (14.27) | .750 (19.05) | 1.375 (34.92) |
| 07 | .687 (17.45) | .875 (22.22) | 1.500 (38.10) |
| 08 | .812 (20.62) | 1.000 (25.40) | 1.625 (41.28) |
| 09 | .937 (23.80) | 1.125 (28.58) | 1.750 (44.45) |
| 10 | 1.062 (26.97) | 1.250 (31.75) | 1.875 (47.62) |

TABLE 3 - LENGTH

| CODE | LENGTH IN INCHES ±.032 (.81) |
|----------|------------------------------|
| STANDARD | 1.50 (38.1) |
| A | 2.50 (63.5) |
| B | 3.50 (88.9) |
| C | 4.50 (114.3) |