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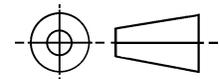
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AS85049/33

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THIRD ANGLE PROJECTION



ISSUED 2000-05

PREPARED BY SAE SUBCOMMITTEE AE-8C1



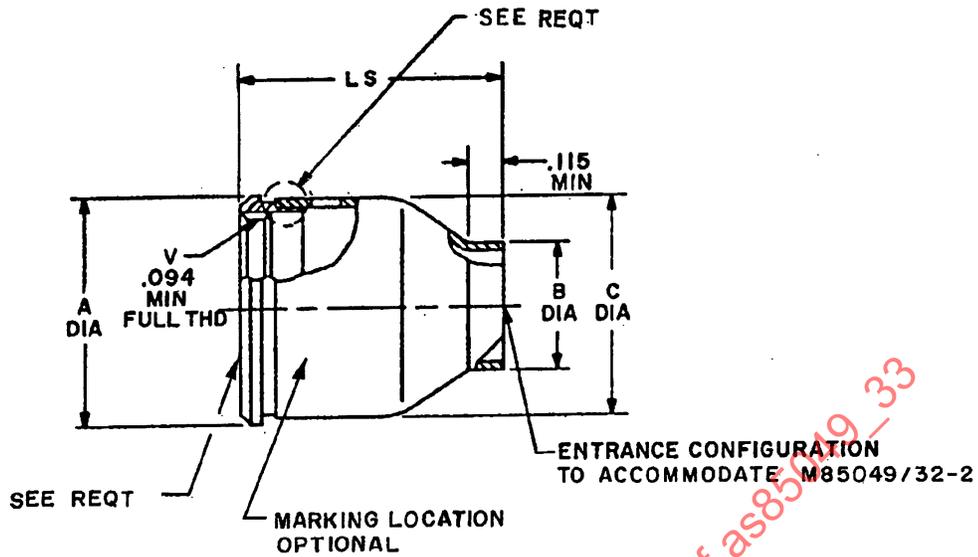
AEROSPACE STANDARD

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

AS85049/33
SHEET 1 OF 8

AS85049/33

THE REQUIREMENTS FOR ACQUIRING THE ACCESSORIES DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF MIL-C-85049.



ADAPTER - I

FIGURE 1. DIMENSIONS AND CONFIGURATION. (SEE TABLE I)

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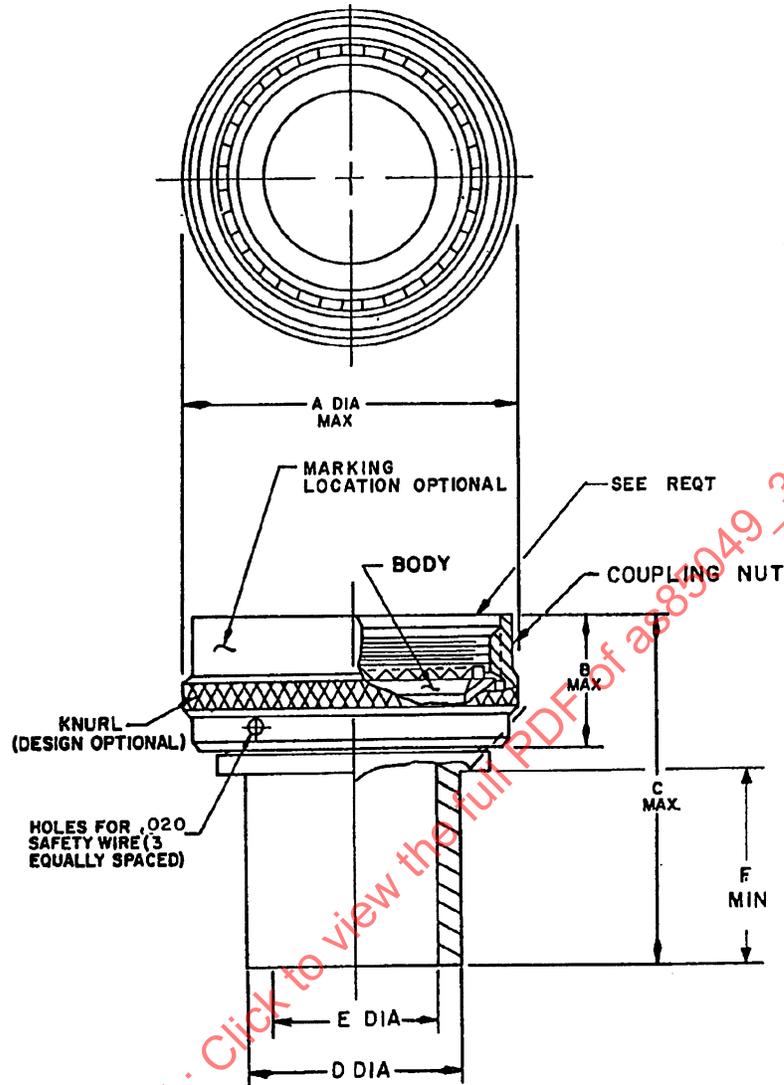
| INCHES | mm | INCHES | mm | INCHES | mm |
|--------|-------|--------|-------|--------|-------|
| .015 | .38 | .719 | 18.26 | 1.062 | 26.97 |
| .094 | 2.39 | .734 | 18.64 | 1.094 | 27.79 |
| .115 | 2.92 | .766 | 19.46 | 1.141 | 28.98 |
| .125 | 3.18 | .781 | 19.84 | 1.156 | 29.36 |
| .359 | 9.12 | .796 | 20.22 | 1.219 | 30.96 |
| .406 | 10.31 | .844 | 21.44 | 1.265 | 32.13 |
| .500 | 12.70 | .859 | 21.82 | 1.344 | 34.14 |
| .516 | 13.11 | .891 | 22.63 | 1.391 | 35.33 |
| .578 | 14.68 | .938 | 23.83 | 1.469 | 37.31 |
| .594 | 15.09 | .969 | 24.61 | 1.516 | 38.51 |
| .641 | 16.28 | 1.000 | 25.40 | 1.594 | 40.49 |
| .656 | 16.66 | 1.016 | 25.81 | 1.719 | 43.66 |
| .688 | 17.48 | 1.047 | 26.59 | | |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply after plating.

FIGURE 1. DIMENSIONS AND CONFIGURATION - CONTINUED.

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ADAPTER-2

FIGURE 2. DIMENSIONS AND CONFIGURATION. (SEE TABLE II)

| INCHES | mm | INCHES | mm | INCHES | mm |
|--------|-------|--------|-------|--------|-------|
| .020 | 0.51 | .620 | 15.75 | 1.112 | 28.24 |
| .250 | 6.35 | .670 | 17.02 | 1.120 | 28.45 |
| .285 | 7.24 | .75 | 19.05 | 1.14 | 28.96 |
| .325 | 8.26 | .789 | 20.04 | 1.192 | 30.28 |
| .337 | 8.56 | .85 | 21.59 | 1.25 | 31.75 |
| .420 | 10.67 | .880 | 22.35 | 1.40 | 35.56 |
| .475 | 12.07 | .914 | 23.22 | 1.50 | 38.10 |
| .488 | 12.40 | 1.000 | 25.40 | 1.65 | 41.91 |
| .500 | 12.7 | 1.039 | 26.39 | 1.75 | 44.45 |
| .54 | 13.7 | 1.10 | 27.94 | | |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Crimp tool is Burndy Y40LH or equivalent.
4. Dimensions apply after plating.

FIGURE 2. DIMENSIONS AND CONFIGURATION - CONTINUED.

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REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and 2, and tables I and II.

Straight adapter (figure 1) may be of two-piece construction. Method of joining is optional.

Interface dimensions shall conform to MIL-C-38999, series I and II.

The coupling nut shall be captivated to and free to rotate on the body. Parts supplied to figure 2 shall consist of a coupling nut and body as shown, along with the appropriate M85049/26-2 shield crimp ring from Table II. For OEM use only, M85049/33-2-XXX can be supplied by qualified sources, without the M85049/26-2-XX shield crimp by specifying "without shield crimp ring" on purchase order. Parts shall still be marked with M85049/33-2-XXX part number.

Material and finish shall be as specified in table III.

TABLE I. SHELL SIZE AND DIMENSIONS.

| Adapter shell size | Fits connector shell size | | A maximum diameter | B maximum diameter | C maximum diameter | LS maximum | thread UNEF class 2B |
|--------------------|---------------------------|----------|--------------------|--------------------|--------------------|------------|----------------------|
| | Series II | Series I | | | | | |
| 8 | 8 | 9 | .594 | .359 | .516 | .844 | .4375-28 |
| 10 | 10 | 11 | .719 | .406 | .641 | .969 | .5625-24 |
| 12 | 12 | 13 | .844 | .500 | .766 | 1.094 | .6875-24 |
| 14 | 14 | 15 | .969 | .578 | .891 | 1.156 | .8125-20 |
| 16 | 16 | 17 | 1.094 | .641 | 1.016 | 1.219 | .9375-20 |
| 18 | 18 | 19 | 1.219 | .688 | 1.141 | 1.344 | 1.0625-18 |
| 20 | 20 | 21 | 1.344 | .734 | 1.265 | 1.469 | 1.1875-18 |
| 22 | 22 | 23 | 1.469 | .796 | 1.391 | 1.594 | 1.3125-18 |
| 24 | 24 | 25 | 1.594 | .859 | 1.516 | 1.719 | 1.4375-18 |