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AS85049/58

FEDERAL SUPPLY CLASS  
5935

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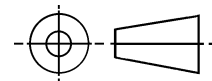
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THIRD ANGLE PROJECTION



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## AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL,  
RING, POTTING BOOT, CATEGORY 5  
(MIL-C-38999 SERIES I AND II CONNECTORS)

**AS85049/58**  
SHEET 1 OF 5

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

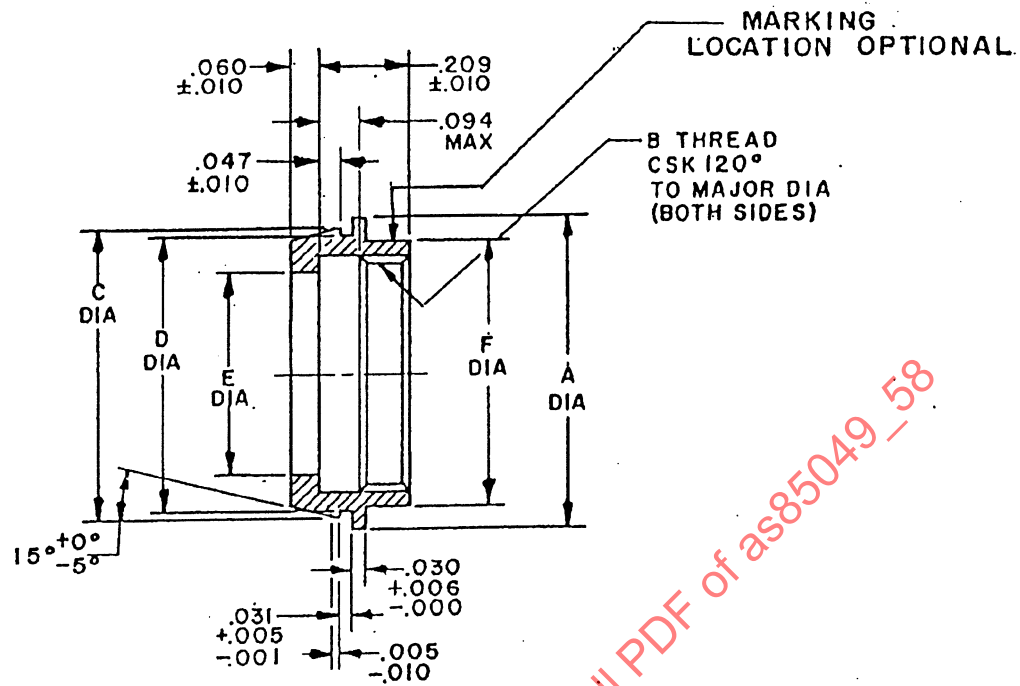


FIGURE 1. DIMENSIONS AND CONFIGURATION.

| INCHES | MM    | INCHES | MM    |
|--------|-------|--------|-------|
| .001   | .03   | .875   | 22.23 |
| .002   | .05   | .892   | 22.66 |
| .003   | .08   | .915   | 23.24 |
| .005   | .13   | .942   | 23.93 |
| .006   | .15   | .976   | 24.79 |
| .010   | .25   | 1.000  | 25.40 |
| .030   | .76   | 1.005  | 25.53 |
| .031   | .79   | 1.033  | 26.24 |
| .047   | 1.19  | 1.067  | 27.10 |
| .060   | 1.52  | 1.102  | 27.99 |
| .094   | 2.39  | 1.125  | 28.58 |
| .209   | 5.31  | 1.126  | 28.60 |
| .344   | 8.74  | 1.157  | 29.39 |
| .472   | 11.99 | 1.192  | 30.28 |
| .500   | 12.70 | 1.226  | 31.14 |
| .518   | 13.16 | 1.250  | 31.75 |
| .541   | 13.74 | 1.251  | 31.78 |
| .586   | 14.88 | 1.282  | 32.56 |
| .600   | 15.24 | 1.317  | 33.45 |
| .625   | 15.88 | 1.352  | 34.34 |
| .643   | 16.33 | 1.375  | 34.93 |
| .666   | 16.92 | 1.376  | 34.95 |
| .711   | 18.06 | 1.407  | 35.74 |
| .726   | 18.44 | 1.476  | 37.49 |
| .750   | 19.05 | 1.500  | 38.10 |
| .767   | 19.48 | 1.501  | 38.13 |
| .790   | 20.07 | 1.532  | 38.91 |
| .836   | 21.23 | 1.602  | 40.69 |
| .850   | 21.59 |        |       |

## 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.

## REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and table I.

Material: Aluminum alloy in accordance with MIL-C-85049.

Finish: W in accordance with MIL-C-85049.

TABLE I. SHELL SIZE AND DIMENSIONS.

| Accessory<br>shell<br>size | Fits                   |                        | A<br>maximum<br>diameter | B<br>thread<br>UNEF<br>class 2B | C<br>+.001<br>-.005<br>diameter | D<br>+.003<br>-.002<br>diameter | E<br>+.005<br>diameter | F<br>+.006<br>-.005<br>diameter |
|----------------------------|------------------------|------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------|---------------------------------|
|                            | connector<br>Series II | shell size<br>Series I |                          |                                 |                                 |                                 |                        |                                 |
| 8                          | 8                      | 9                      | .600                     | .4375-28                        | .541                            | .518                            | .344                   | .500                            |
| 10                         | 10                     | 11                     | .726                     | .5625-24                        | .666                            | .643                            | .472                   | .625                            |
| 12                         | 12                     | 13                     | .850                     | .6875-24                        | .790                            | .767                            | .586                   | .750                            |
| 14                         | 14                     | 15                     | .976                     | .8125-20                        | .915                            | .892                            | .711                   | .875                            |
| 16                         | 16                     | 17                     | 1.102                    | .9375-20                        | 1.033                           | 1.005                           | .836                   | 1.000                           |
| 18                         | 18                     | 19                     | 1.226                    | 1.0625-18                       | 1.157                           | 1.126                           | .942                   | 1.125                           |
| 20                         | 20                     | 21                     | 1.352                    | 1.1875-18                       | 1.282                           | 1.251                           | 1.067                  | 1.250                           |
| 22                         | 22                     | 23                     | 1.476                    | 1.3125-18                       | 1.407                           | 1.376                           | 1.192                  | 1.375                           |
| 24                         | 24                     | 25                     | 1.602                    | 1.4375-18                       | 1.532                           | 1.501                           | 1.317                  | 1.500                           |

Part number: See example below:

Military designator M85049/ 58 - 10  
 Specification sheet \_\_\_\_\_  
 Accessory shell size (see table I) \_\_\_\_\_

Application: For use with MIL-C-85049/75 potting boots.

Qualification: See MIL-C-85049, category 5.

QPL evaluating activity: Defense Supply Center Columbus, DSCC-V, 3990 East Broad Street, Columbus, Ohio 43216-5000.