

REV.  
D

AS85049™/18

FEDERAL SUPPLY CLASS  
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, TO CLARIFY THE COUPLING NUT ROTATION TO ALIGN WITH OTHER UPDATED DETAIL SHEETS, TO PUT FINISHES IN A TABLE AND UPDATE THE RESTRICTION FOOTNOTES TO ACCEPTABLE AC WORDING, AND TO REPLACE THE PART NUMBER IMAGE WITH WORD TEXT.

NOTICE

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

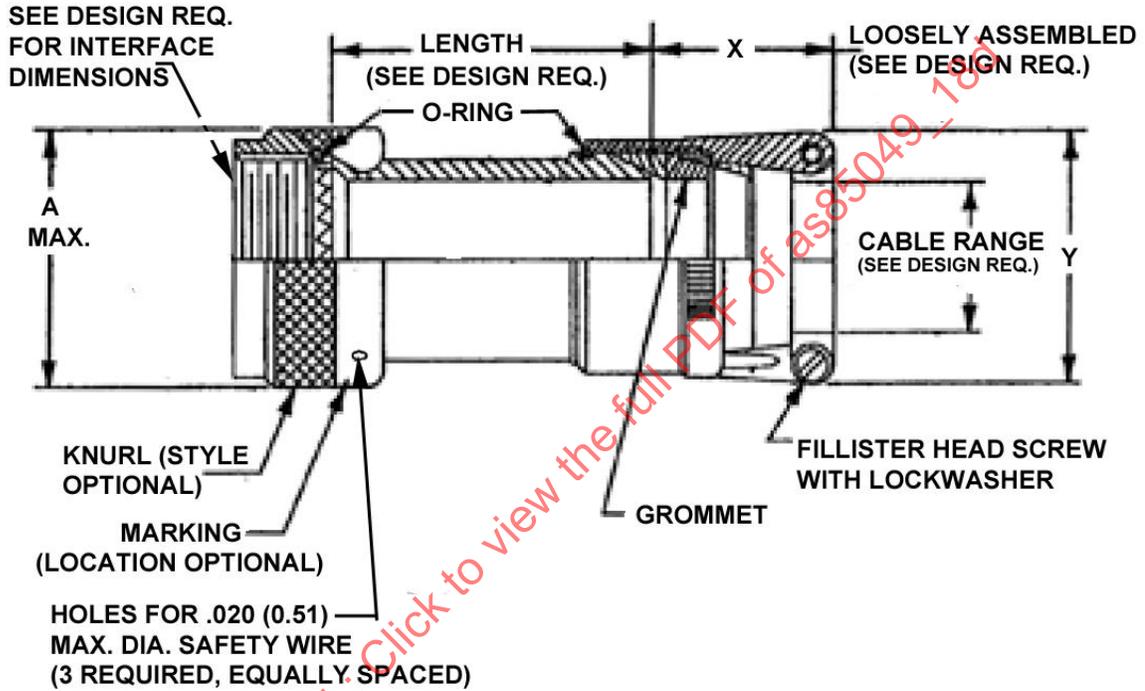
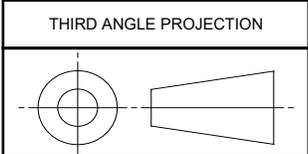


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

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CUSTODIAN: AE8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



**AEROSPACE STANDARD**

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, RFI/EMI, CATEGORY 2B (FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)

**AS85049™/18**  
SHEET 1 OF 3

**REV. D**

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ISSUED 2000-04 REVISED 2017-01 REAFFIRMED 2021-09

**TABLE 1 - CONNECTOR SHELL SIZE AND CLAMP SIZE**

| SHELL SIZE | MIN CLAMP SIZE | MAX CLAMP SIZE | A<br>MAX DIA OF COUPLING RING |
|------------|----------------|----------------|-------------------------------|
| 9          | 01             | 02             | .75 (19.1)                    |
| 11         | 01             | 03             | .85 (21.6)                    |
| 13         | 02             | 04             | 1.00 (25.4)                   |
| 15         | 02             | 05             | 1.15 (29.2)                   |
| 17         | 02             | 06             | 1.25 (31.8)                   |
| 19         | 03             | 07             | 1.40 (35.6)                   |
| 21         | 03             | 08             | 1.55 (39.4)                   |
| 23         | 03             | 09             | 1.65 (41.9)                   |
| 25         | 04             | 10             | 1.85 (47.0)                   |

**TABLE 2 - ACCESSORY CLAMP SIZE AND DIMENSIONS**

| CLAMP SIZE | CABLE RANGE   |               | Y<br>DIM MAX | X<br>MAX      |
|------------|---------------|---------------|--------------|---------------|
|            | MIN           | MAX           |              |               |
| 01         | .062 (1.57)   | .125 (3.18)   | .80 (20.3)   | 1.250 (31.75) |
| 02         | .125 (3.18)   | .250 (6.35)   | 1.00 (25.4)  | 1.250 (31.75) |
| 03         | .250 (6.35)   | .375 (9.53)   | 1.10 (27.9)  | 1.250 (31.75) |
| 04         | .375 (9.53)   | .500 (12.70)  | 1.20 (30.5)  | 1.250 (31.75) |
| 05         | .500 (12.70)  | .625 (15.88)  | 1.25 (31.8)  | 1.350 (34.29) |
| 06         | .625 (15.88)  | .750 (19.05)  | 1.40 (35.6)  | 1.375 (34.93) |
| 07         | .750 (19.05)  | .875 (22.23)  | 1.50 (38.1)  | 1.500 (38.10) |
| 08         | .875 (22.23)  | 1.000 (25.40) | 1.65 (41.9)  | 1.625 (41.28) |
| 09         | 1.000 (25.40) | 1.125 (28.58) | 1.75 (44.5)  | 1.625 (41.28) |
| 10         | 1.125 (28.58) | 1.250 (31.75) | 1.90 (48.3)  | 1.625 (41.28) |

**TABLE 3 - ACCESSORY BODY LENGTH**

| CODE     | LENGTH IN INCHES<br>± .032 (0.81) |
|----------|-----------------------------------|
| STANDARD | 1.50 (38.1)                       |
| A        | 2.50 (63.5)                       |
| B        | 3.50 (88.9)                       |
| C        | 4.50 (114.3)                      |

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