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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.

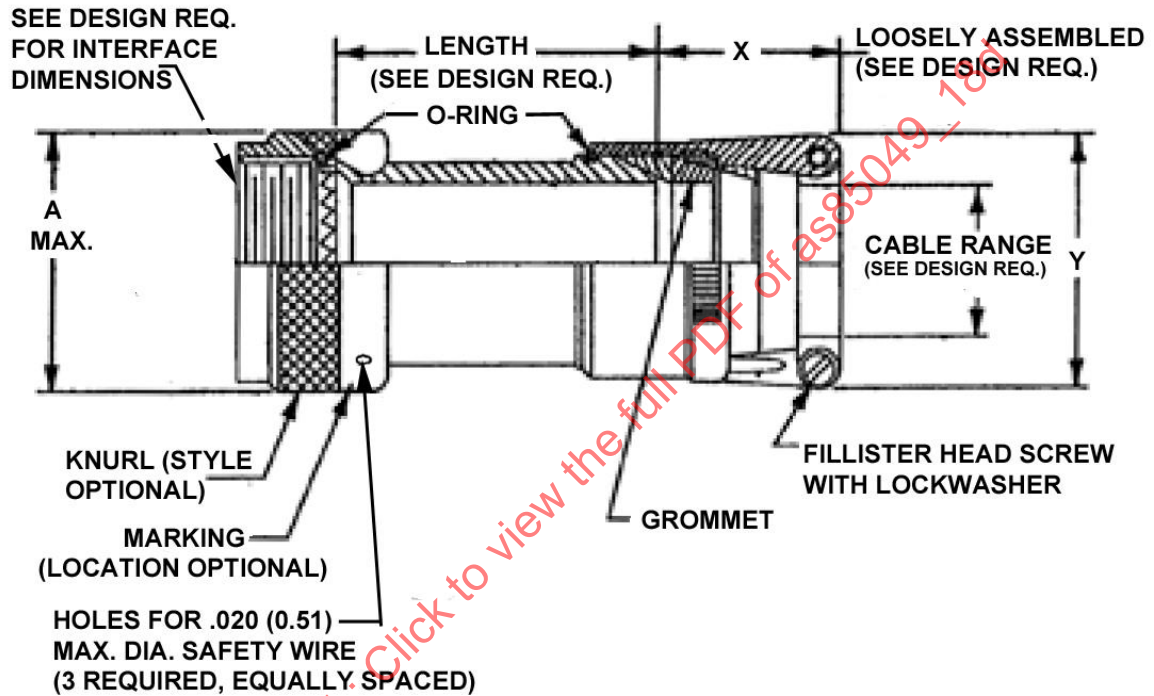
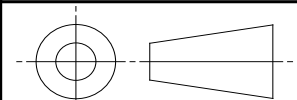


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/18D/>

THIRD ANGLE PROJECTION



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)

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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 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 DIM MAX	X 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 ± .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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