

REV.  
D

AS85049™/69

RATIONALE

FEDERAL SUPPLY CLASS  
5935

LIMITED SCOPE REVISION IS REQUIRED TO CORRECT THE PART NUMBER EXAMPLE. THE EXAMPLE NEEDS THE "DASH" TO AVOID PROCUREMENT ISSUES. IT WAS INADVERTENTLY LEFT OUT OF THE LAST REVISION.

AS85049/69D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

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

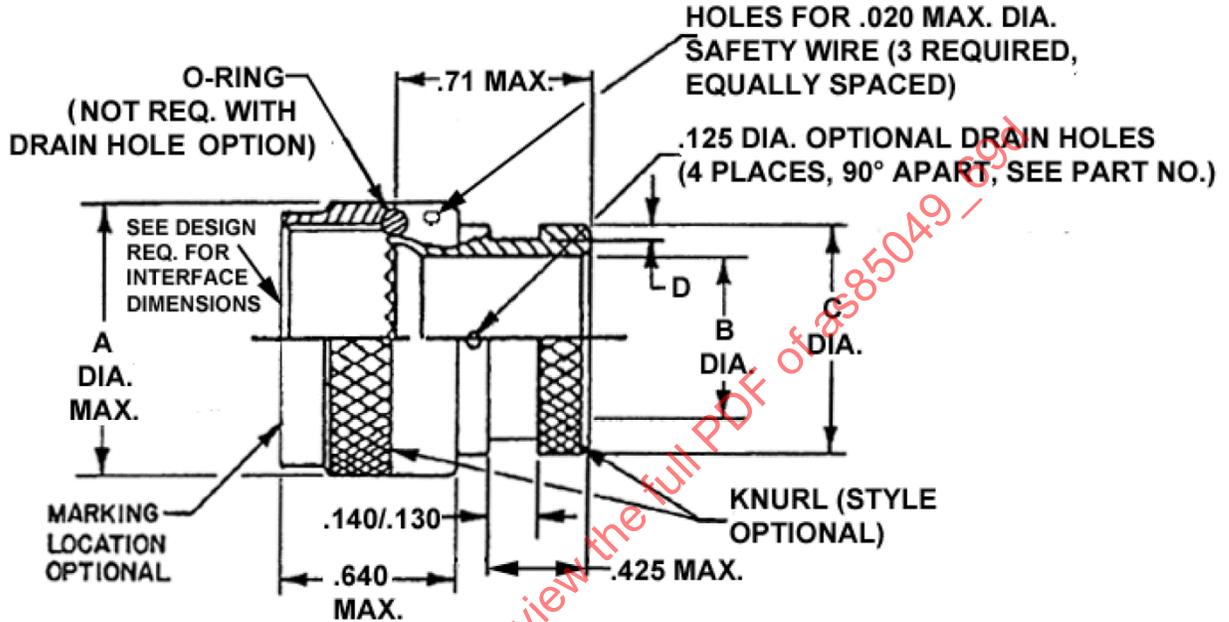
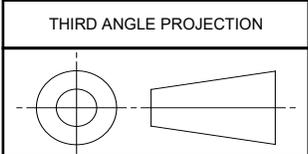


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS
.020	0.51	.425	10.80
.125	3.18	.640	16.26
.130	3.30	.71	18.03
.140	3.56		

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS85049/69D/>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL,  
 ADAPTER, SHRINKBOOT, CATEGORY 5  
 (MIL-DTL-38999 SERIES III AND IV CONNECTORS)

AS85049™/69  
 SHEET 1 OF 3

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D

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ISSUED 2000-05 REVISED 2018-10 REAFFIRMED 2025-03

**TABLE 2 - FIGURE 1 DIMENSIONS**

SHELL SIZE	A DIA MAX	B DIA MIN	C DIA MAX	D +.008 (.203) -.000
9	.75 (19.1)	.250 (6.35)	.533 (13.54)	.044 (1.12)
11	.85 (21.6)	.375 (9.52)	.605 (15.37)	.044 (1.12)
13	1.00 (25.4)	.500 (12.70)	.774 (19.66)	.044 (1.12)
15	1.15 (29.2)	.625 (15.88)	.838 (21.29)	.044 (1.12)
17	1.25 (31.8)	.750 (19.05)	.963 (24.46)	.044 (1.12)
19	1.40 (35.6)	.812 (20.62)	1.042 (26.47)	.044 (1.12)
21	1.55 (39.4)	.937 (23.80)	1.217 (30.91)	.069 (1.75)
23	1.65 (41.9)	1.062 (26.97)	1.355 (34.42)	.069 (1.75)
25	1.85 (47.0)	1.188 (30.18)	1.443 (36.65)	.069 (1.75)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

1. DESIGN AND CONSTRUCTION:

ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 2. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. METRIC EQUIVALENTS ARE IN PARENTHESES, ARE GIVEN FOR GENERAL INFORMATION ONLY, AND ARE BASED UPON 1 INCH = 25.4 MM (SEE TABLE 1).

INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH AS85049, FIGURE 3 OR 3A.

THE COUPLING NUT SHALL BE CAPTIVATED TO THE ADAPTER BODY AND SHALL BE FREE TO ROTATE. USE WITH AS85049/140 AND AS85049/141 SHRINKBOOTS.

2. MATERIAL AND FINISH: AS SPECIFIED IN TABLE 2 AND AS LISTED BELOW:

O-RING - SILICONE RUBBER.

**TABLE 2 - MATERIAL AND FINISH**

ADAPTER BODY AND COUPLING NUT	MATERIAL	FINISH
	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	A, <u>1</u> / N, <u>2</u> / W, X, Y <u>2</u> / Z

1/ N FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO SALT WATER CORROSION.

2/ W AND Z FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO OUT GASSING (ALSO SEE SPECIFICATION NOTES).