

**REV.
C**

AS85049™/29

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWING QUALITY, TO CLARIFY FINISH RESTRICTIONS, AND TO UPDATE DOCUMENT FORMAT/DETAILS TO LATEST SAE GUIDELINES.

NOTICE

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

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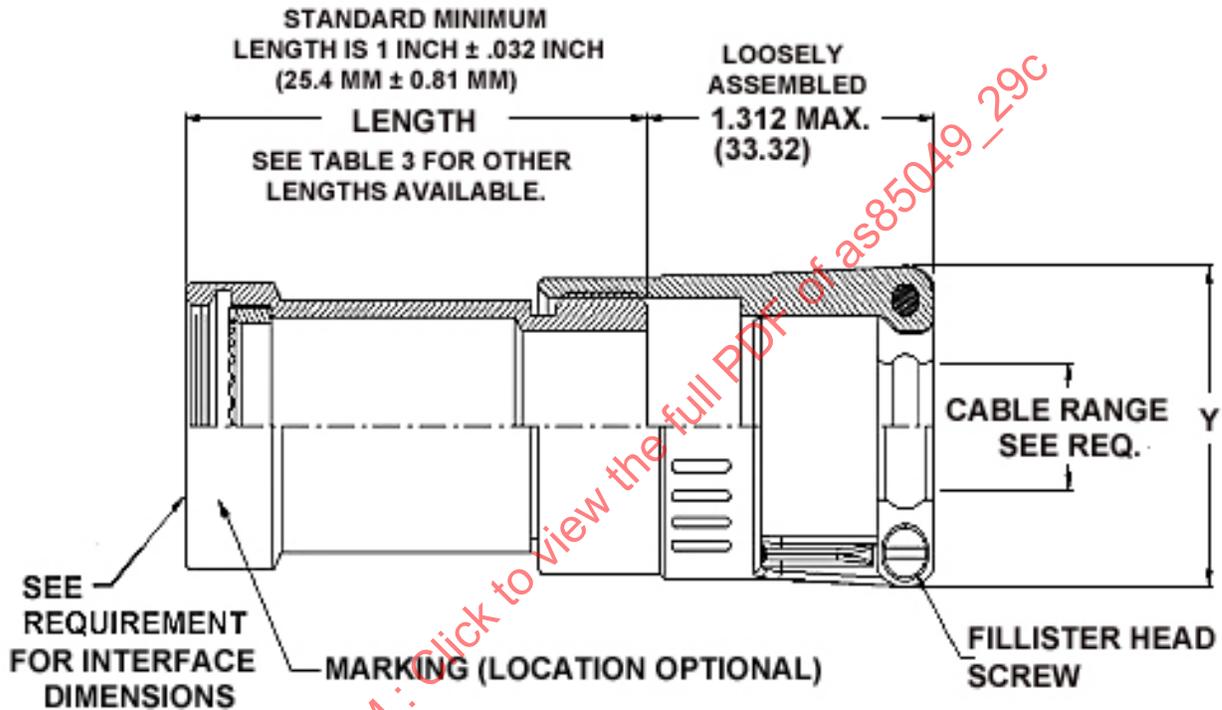
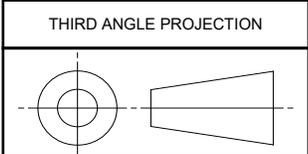


FIGURE 1 – CONNECTOR ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/29C/>



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, CATEGORY 3B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049™/29
SHEET 1 OF 3

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ISSUED 2000-04 REVISED 2016-05 REAFFIRMED 2021-01

TABLE 1 - ACCESSORY SHELL SIZE, CONNECTOR SHELL SIZE AND CLAMP SIZE

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		MIN CLAMP SIZE	MAX CLAMP SIZE
	SERIES I	SERIES II		
08	8	9	01	02
10	10	11	01	03
12	12	13	02	04
14	14	15	02	05
16	16	17	02	06
18	18	19	03	07
20	20	21	03	08
22	22	23	03	09
24	24	25	04	10

TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP SIZE	CABLE RANGE		Y DIM MAX
	MIN	MAX	
01	.062 (1.6)	.125 (3.2)	.781 (19.8)
02	.125 (3.2)	.250 (6.4)	.969 (24.6)
03	.250 (6.4)	.375 (9.5)	1.062 (27.0)
04	.312 (7.9)	.500 (12.7)	1.156 (29.4)
05	.437 (11.1)	.625 (15.9)	1.250 (31.8)
06	.562 (14.3)	.750 (19.1)	1.375 (34.9)
07	.687 (17.4)	.875 (22.2)	1.500 (38.1)
08	.812 (20.6)	1.000 (25.4)	1.625 (41.3)
09	.937 (23.8)	1.125 (28.6)	1.750 (44.5)
10	1.062 (27.0)	1.250 (31.8)	1.875 (47.6)

TABLE 3 - LENGTH

CODE	LENGTH IN INCHES
	±.032 (0.81)
STANDARD	1.00 (25.4)
A	2.00 (50.8)
B	3.00 (76.2)
C	4.00 (101.6)

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

1. DESIGN AND CONSTRUCTION:

ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLES 1 THROUGH 3. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS ARE IN PARENTHESIS, ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM. SEE TABLE 1 FOR MINIMUM AND MAXIMUM CLAMP SIZE AVAILABLE WITH EACH ACCESSORY SHELL SIZE. SEE TABLE 2 FOR CABLE RANGE FOR EACH CLAMP SIZE.

2. INTERFACE DIMENSIONS SHALL COMFORM TO AS85049, FIGURE 2.

3. MATERIAL AND FINISH: IN ACCORDANCE WITH TABLE 4. CLAMP ASSEMBLY SCREWS AND LOCKWASHERS: 300 SERIES CORROSION RESISTANT STEEL, PASSIVATED.

TABLE 4 – MATERIAL AND FINISH

MATERIAL	FINISH
ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	A, N ^{1/} , W ^{2/} , X, Y, Z ^{2/}

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

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

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