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REV.
C

AS85049™/36

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 AS STANDARD FORMAT, REMOVE IMAGES, ADD FINISH TABLE, AND CLARIFY RESTRICTIONS.

NOTICE

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

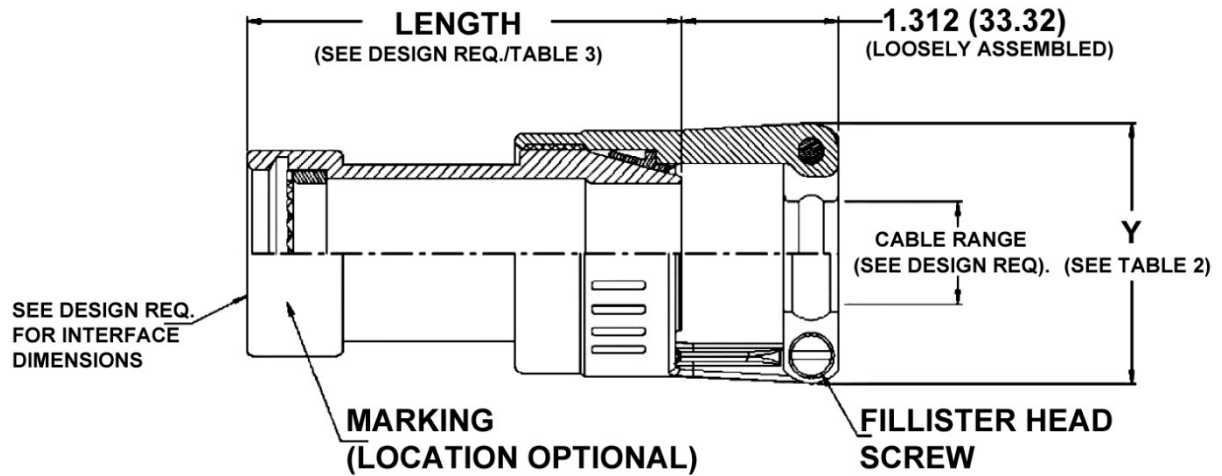


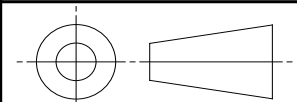
FIGURE 1 - ACCESSORY CONFIGURATIONS AND DIMENSIONS

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

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		MIN CLAMP SIZE	MAX CLAMP SIZE
	SERIES II	SERIES I		
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

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/36C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3B (FOR MIL-DTL-27599 SERIES I AND MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049™/36
SHEET 1 OF 3

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TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP SIZE	CABLE RANGE		Y DIM. MAX
	MIN	MAX	
01	.062 (1.57)	.125 (3.18)	.781 (19.84)
02	.125 (3.18)	.250 (6.35)	.969 (24.61)
03	.250 (6.35)	.375 (9.52)	1.062 (26.97)
04	.312 (7.92)	.500 (12.70)	1.156 (29.36)
05	.437 (11.10)	.625 (15.88)	1.250 (31.75)
06	.562 (14.27)	.750 (19.05)	1.375 (34.92)
07	.687 (17.45)	.875 (22.22)	1.500 (38.10)
08	.812 (20.62)	1.000 (25.40)	1.625 (41.28)
09	.937 (23.80)	1.125 (28.58)	1.750 (44.45)
10	1.062 (26.97)	1.250 (31.75)	1.875 (47.62)

TABLE 3 - ACCESSORY BODY LENGTH

CODE	LENGTH IN INCHES $\pm .032$ (0.81)
STANDARD	1.50 (38.1)
A	2.50 (63.5)
B	3.50 (88.9)
C	4.50 (114.3)

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 TABLES 1 THROUGH 3. 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.

INTERFACE DIMENSIONS: IN ACCORDANCE WITH AS85049, FIGURE 2.

STANDARD MINIMUM LENGTH IS 1.5 INCH $\pm .032$ INCH (38.1 MM ± 0.81 MM) SEE TABLE 3 FOR LONGER LENGTHS.

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. MATERIAL AND FINISH: AS SPECIFIED IN TABLE 4 AND AS LISTED BELOW.

CLAMP ASSEMBLY SCREWS - CORROSION RESISTANT STEEL IN ACCORDANCE WITH SAE AS85049, PASSIVATED.

TABLE 4 - MATERIAL AND FINISH

ACCESSORY COMPONENTS	MATERIAL	FINISH
	ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049	N <u>1</u> /, W <u>2</u> /, X, Z <u>2</u> /

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).

	AEROSPACE STANDARD	AS85049™/36 SHEET 2 OF 3	REV. C 
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3B (FOR MIL-DTL-27599 SERIES I AND MIL-DTL-38999 SERIES I AND II CONNECTORS)		



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