

REV.
B

SAE AS85049/17

FEDERAL SUPPLY CLASS
5935

RATIONALE

THIS REVISION IS REQUIRED TO INCORPORATE THE OUTSTANDING AMENDMENT AND UPDATE TO MEET SAE FORMAT GUIDELINES.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

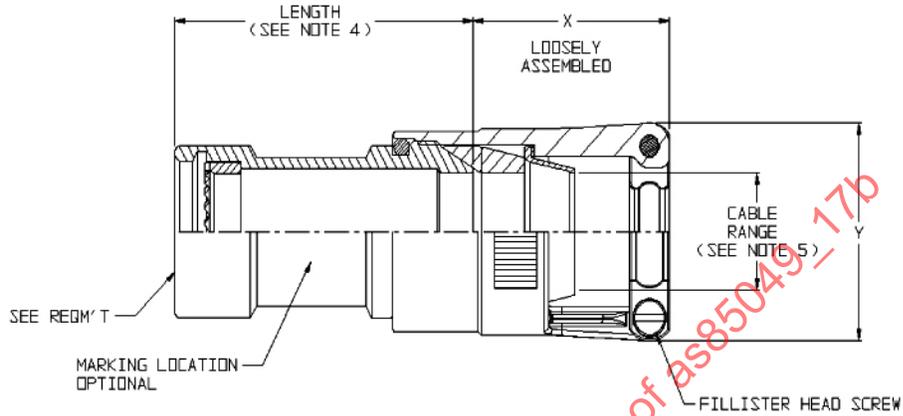


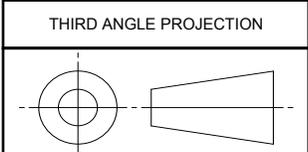
FIGURE 1 - CONFIGURATIONS AND DIMENSIONS

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM.
3. METRIC EQUIVALENTS ARE IN PARENTHESES.
4. STANDARD MINIMUM LENGTH IS 1.5 INCH ± .032 INCH (25.4 MM ± .81 MM) SEE TABLE 3 FOR LONGER LENGTHS.
5. 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.

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 2B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

SAE AS85049/17
SHEET 1 OF 3

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ISSUED 2000-04 REVISED 2011-03

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

TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP SIZE	CABLE RANGE		Y DIM MAX	X MAX
	MIN	MAX		
01	.062 (1.57)	.125 (3.18)	.781 (19.84)	1.250 (31.75)
02	.125 (3.18)	.250 (6.35)	.969 (24.61)	
03	.250 (6.35)	.375 (9.53)	1.062 (26.97)	
04	.375 (9.53)	.500 (12.70)	1.156 (29.36)	
05	.500 (12.70)	.625 (15.88)	1.250 (31.75)	1.312 (33.32)
06	.625 (15.88)	.750 (19.05)	1.375 (34.93)	1.375 (34.93)
07	.750 (19.05)	.875 (22.23)	1.500 (38.10)	1.500 (38.10)
08	.875 (22.23)	1.000 (25.40)	1.625 (41.28)	1.625 (41.28)
09	1.000 (25.40)	1.125 (28.58)	1.750 (44.45)	
10	1.125 (28.58)	1.250 (31.75)	1.875 (47.63)	

TABLE 3 - LENGTH

CODE	LENGTH IN INCHES ± .032 (.81)
STANDARD	1.50 (38.1)
A	2.50 (63.5)
B	3.50 (88.9)
C	4.50 (114.3)

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1; INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049 FIGURE 2.

LENGTH: SEE TABLE 3.

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	CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 2B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)		