

REV.
B

SAE AS85049/36

RATIONALE

THIS REVISION IS REQUIRED TO INCORPORATE THE OUTSTANDING AMENDMENT, REVIEW FOR KNOWN TECHNICAL ISSUES 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.

FEDERAL SUPPLY CLASS
5935

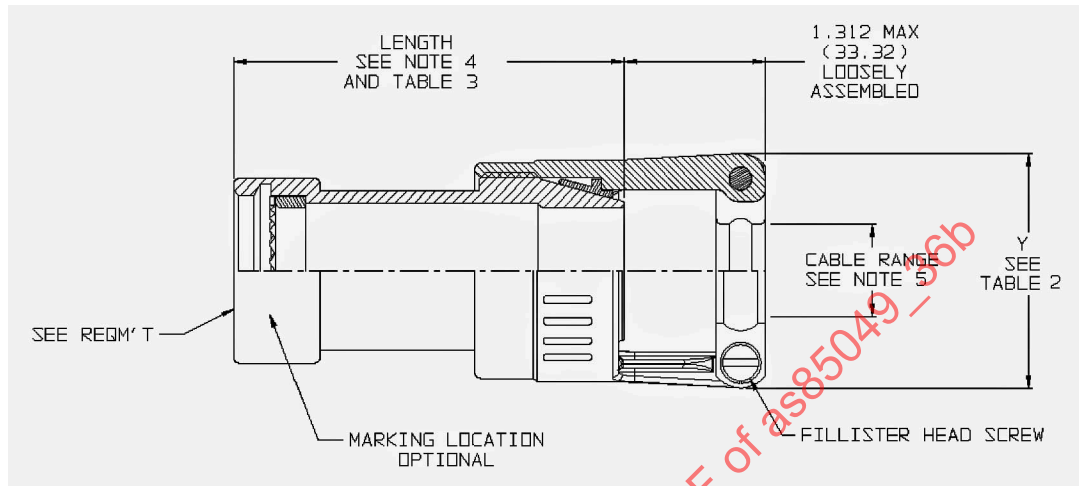


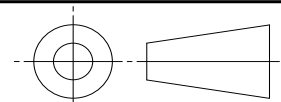
FIGURE 1 - CONFIGURATIONS AND DIMENSIONS

NOTES

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS IN PARENTHESIS () ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 INCH = 25.4 MM.
3. STANDARD MINIMUM LENGTH IS 1.5 INCH $\pm$.032 INCH (38.1 MM $\pm$.81 MM). SEE TABLE 3 FOR LONGER LENGTHS.
4. 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.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/36B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

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)

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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
	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 - LENGTH

CODE	LENGTH IN INCHES $\pm .032$ (.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 AND TABLES 1, 2, AND 3. INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049 FIGURE 2.

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