

REV.  
A

AS85049/29

FEDERAL SUPPLY CLASS  
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY USERS. UPDATED ALL REFERENCE SPECIFICATIONS. REMOVED GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD CONVERSION.

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

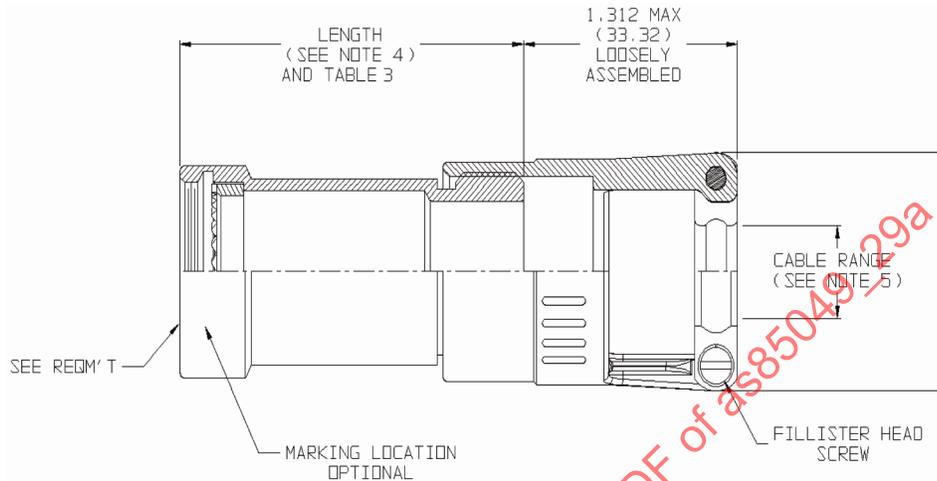


FIGURE 1 - CONFIGURATION AND DIMENSIONS

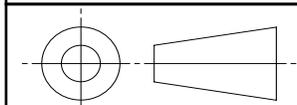
NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS (TO NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
3. METRIC EQUIVALENTS ARE IN PARENTHESES.
4. STANDARD MINIMUM LENGTH IS 1 INCH ±.032 (25.4 MM ±.81 MM). SEE TABLE 3 FOR SHORTER 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.
6. THE CHANGE BAR ( L ) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

**SAE Aerospace**  
An SAE International Group

**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 2007-06

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 (9.53)	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 (34.93)
07	.687 (17.45)	.875 (22.23)	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 (47.63)

TABLE 3 - LENGTH

CODE	LENGTH IN INCHES ±.032 (.81)
STANDARD	1.00 (25.4)
A	2.00 (20.8)
B	3.00 (76.2)
C	4.00 (101.6)

FIGURE 1 - CONFIGURATION AND DIMENSIONS (CONTINUED)