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THIRD ANGLE PROJECTION



ISSUED 2000-04

PREPARED BY SAE SUBCOMMITTEE AE-8C1

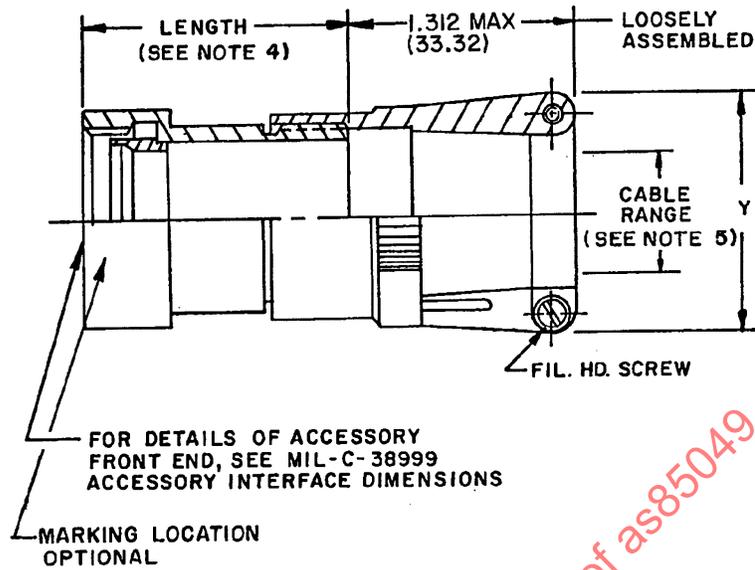


AEROSPACE STANDARD

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

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SHEET 1 OF 5

THE COMPLETE REQUIREMENTS FOR PROCURING THE ACCESSORIES DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-C-85049.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the 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 \pm .032 (38. mm \pm .81 mm). See table III for longer lengths.
5. See table I for min. and max. clamp size available with each accessory shell size. See table II for cable range for each clamp size.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS

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TABLE I. 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 II. 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)

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1.

Length: See table III.

Material: Accessory components - aluminum alloy in accordance with MIL-C-85049.
Clamp assembly screws - 300 series stainless steel.

Finish: A, $\frac{1}{2}$ N, W

Part number: See example below:

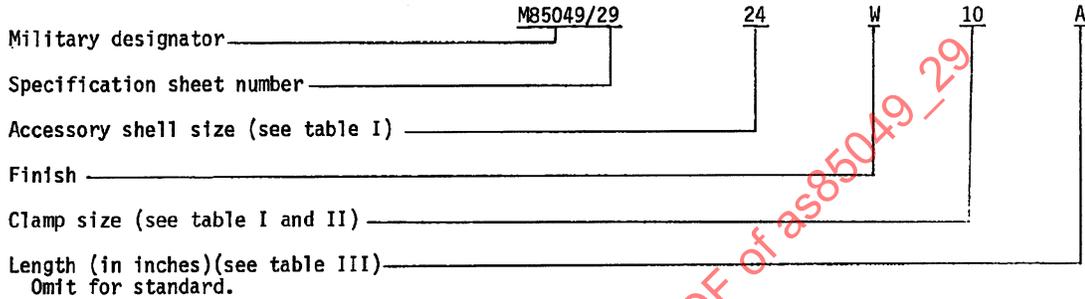


TABLE III. LENGTH

Accessory shell size	Code	Length in inches(\pm .032)
8 thru 24	Standard	1
8 thru 24	A	2
14 thru 24	B	3
20 thru 24	C	4

Qualification:

See MIL-C-85049, category 3B

Backshell shall be tested with MIL-C-38999 series I connectors.

QPL evaluating activity: Defense Electronics Supply Center (DESC-E), Dayton, OH 45444.

$\frac{1}{2}$ N Not for Navy use