

REV.
B

SAE AS85049/29

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT / INDUSTRY AND INCORPORATED THE AS85049/29A-A1 AMENDMENT. ALIGN SPECIFICATION WITH SAE GUIDELINES AND REVIEWED SPECIFICATION FOR KNOWN TECHNICAL ISSUES.

NOTICE

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

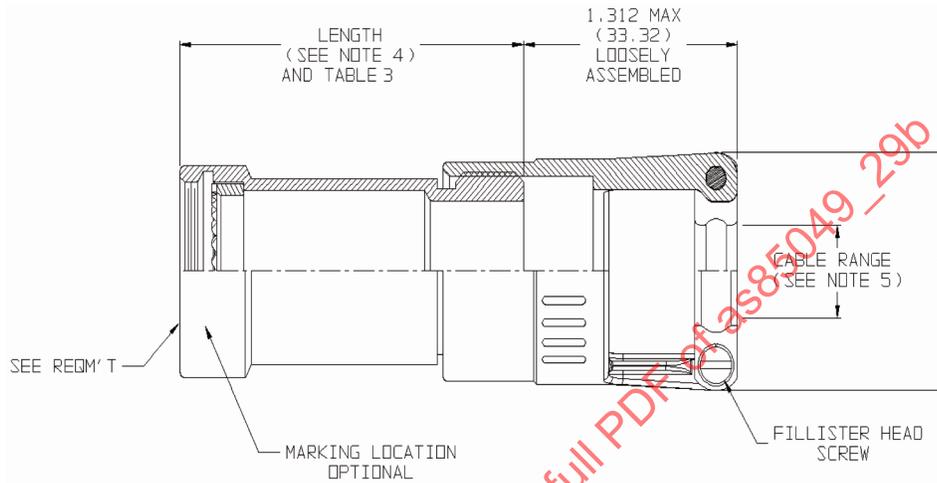
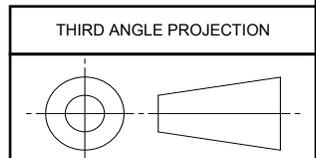


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

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)

SAE AS85049/29
SHEET 1 OF 4

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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
	SEREIS I	SERIES II		
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 (1.6)	.125 (3.2)	.781 (19.8)
02	.125 (3.2)	.250 (6.4)	.969 (24.6)
03	.250 (6.4)	.375 (9.5)	1.062 (27.0)
04	.312 (7.9)	.500 (12.7)	1.156 (29.4)
05	.437 (11.1)	.625 (15.9)	1.250 (31.8)
06	.562 (14.3)	.750 (19.1)	1.375 (34.9)
07	.687 (17.4)	.875 (22.2)	1.500 (38.1)
08	.812 (20.6)	1.000 (25.4)	1.625 (41.3)
09	.937 (23.8)	1.125 (28.6)	1.750 (44.5)
10	1.062 (27.0)	1.250 (31.8)	1.875 (47.6)

TABLE 3 – LENGTH

CODE	LENGTH IN INCHES ± .032 (0.81)
STANDARD	1.00 (25.4)
A	2.00 (50.8)
B	3.00 (76.2)
C	4.00 (101.6)

NOTES:

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 OTHER LENGTHS AVAILABLE.

 An SAE International Group	AEROSPACE STANDARD	SAE AS85049/29 SHEET 2 OF 4	REV. B
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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.

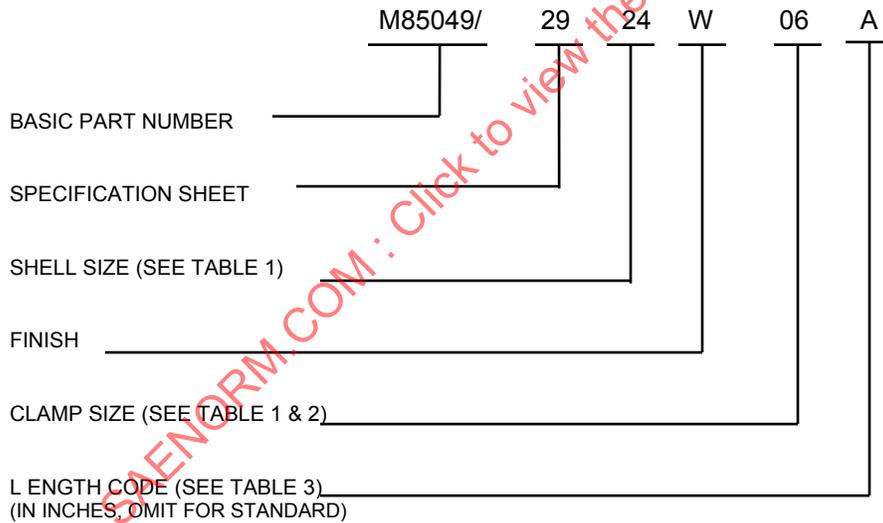
REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:
2. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.
3. INTERFACE DIMENSIONS SHALL COMFORM TO SAE AS85049, FIGURE 2.
4. MATERIAL: ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049. CLAMP ASSEMBLY SCREWS AND LOCKWASHERS: 300 SERIES CORROSION RESISTANT STEEL, PASSIVATED.
5. FINISH:
 - A BLACK ANODIZE
 - 1/ N ELECTROLESS NICKEL
 - 2/ W CADMIUM, OLIVE DRAB
 - X NICKEL FLUOROCARBON POLYMER
 - Y PURE DENSE ELECTRODEPOSITED ALUMINUM
 - 2/ Z ZINC NICKEL

1/ N FINISH NOT FOR NAVY USE, RESTRICTED TO AIR FORCE SPACE APPLICATIONS ONLY.
2/ W AND Z FINISH ARE NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE SPECIFICATION NOTES.

PART OR IDENTIFYING NUMBER (PIN):

EXAMPLE:



QUALIFICATION SEE SAE AS85049, CATEGORY 3B