

REV. B

SAE AS85049/50

RATIONALE

FEDERAL SUPPLY CLASS
5935

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.

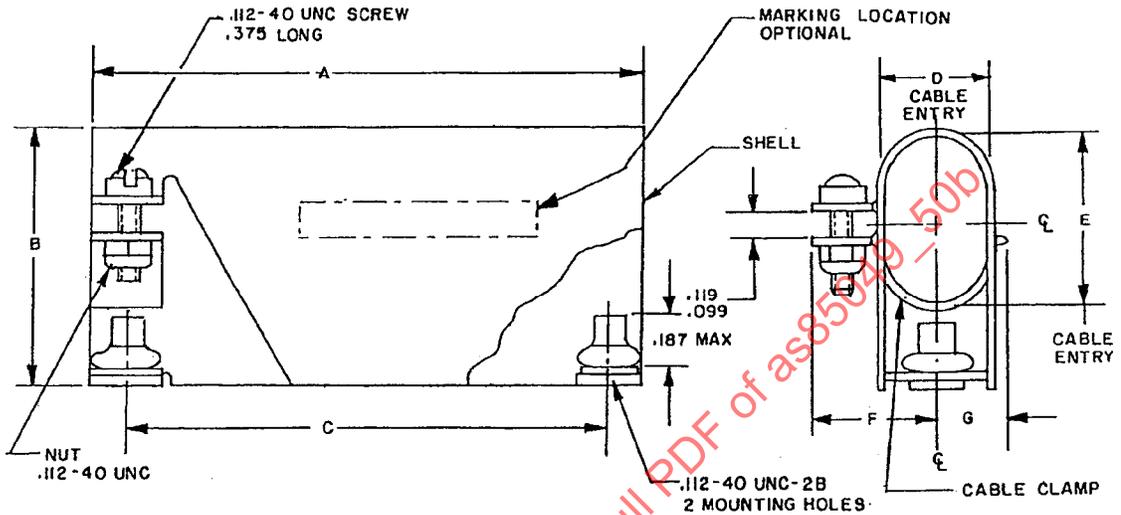
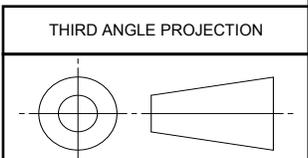


FIGURE 1 - CONFIGURATIONS AND DIMENSIONS

TABLE 1 - DIMENSIONS

PART NUMBER		SHELL SIZE	A	B	C	D	E	F	G
STEEL	NONMAGNETIC (BRASS)								
M85049/50-1	M85049/50-6	1	1.218 (30.94)	.748 (19.00)	.989 (25.12)	.467 (11.86)	.467 (11.86)	.498 (12.65)	.311 (7.90)
			1.188 (30.18)	.688 (17.48)	.979 (24.87)	.407 (10.34)	.407 (10.34)	.438 (11.13)	.251 (6.38)
M85049/50-2	M85049/50-7	2	1.546 (39.27)	.748 (19.00)	1.317 (33.45)	.467 (11.86)	.467 (11.86)	.498 (12.65)	.311 (7.90)
			1.516 (38.51)	.688 (17.48)	1.307 (33.20)	.407 (10.34)	.407 (10.34)	.438 (11.13)	.251 (6.38)
M85049/50-3	M85049/50-8	3	2.093 (53.16)	.998 (25.35)	1.857 (47.17)	.467 (11.86)	.655 (16.64)	.498 (12.65)	.311 (7.90)
			2.063 (52.40)	.938 (23.83)	1.847 (46.91)	.407 (10.34)	.595 (15.11)	.438 (11.13)	.251 (6.38)
M85049/50-4	M85049/50-9	4	2.733 (69.42)	1.217 (30.91)	2.505 (63.63)	.467 (11.86)	.842 (21.39)	.498 (12.65)	.311 (7.90)
			2.703 (68.66)	1.157 (29.39)	2.495 (63.37)	.407 (10.34)	.782 (19.86)	.438 (11.13)	.251 (6.38)
M85049/50-5	M85049/50-10	5	2.640 (67.06)	1.280 (32.51)	2.411 (61.24)	.592 (15.04)	.936 (23.77)	.561 (14.25)	.373 (9.47)
			2.610 (66.29)	1.220 (30.99)	2.401 (60.99)	.532 (13.51)	.876 (22.25)	.501 (12.73)	.313 (7.95)

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/50B>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD
(R) CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, 90°, CATEGORY 4C
(FOR MIL-DTL-24308 CONNECTORS)

SAE AS85049/50
SHEET 1 OF 3

REV. B

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ISSUED 2000-05 REVISED 2011-04

NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATIONS: SEE FIGURE 1 AND TABLE 1.

SCREWS AND NUTS ARE SHOWN ASSEMBLED FOR REFERENCE ONLY AND ARE TO BE SHIPPED UNASSEMBLED IN A COMMON CONTAINER WITH THE ACCESSORY.

MATERIAL AND FINISH: SEE TABLE 1.

TABLE 1 - MATERIAL AND FINISH

DASH NUMBER	MATERIAL			FINISH	
	SHELL	CABLE CLAMP	SCREW/NUT 1/	SHELL/ CABLE CLAMP	SCREW/NUT
1	LOW CARBON SHEET STEEL	LOW CARBON SHEET STEEL SAE 1010 .024 THICK	STEEL 2/	F 3/	F 3/ 4/
2					
3					
4					
5					
1	BRASS IN ACCORDANCE WITH QQ-B-613 COMPOSITION 260	BRASS IN ACCORDANCE WITH QQ-B-613 COMPOSITION 260, 1/2 HARD	BRASS 6/	F 3/	PASSIVATE
2					
3					
4					
5					
6	BRASS IN ACCORDANCE WITH QQ-B-613 COMPOSITION 260	BRASS IN ACCORDANCE WITH QQ-B-613 COMPOSITION 260, 1/2 HARD	300 SERIES CORROSION RESISTANT STEEL 5/	N 7/	PASSIVATE
7					
8					
9					
10					

1/ RIVNUTS (OR EQUIVALENT) SHALL BE ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049, BLACK ANODIZED IN ACCORDANCE WITH AS85049.
 2/ STEEL NUTS FOR -3, -4, AND -5 SHALL BE MS21083804 AND MS21083N04 TYPE.
 3/ CLASS F FINISH IS NOT FOR SPACE FLIGHT USE.
 4/ CADMIUM PLATED SCREWS AND NUTS SHALL BE IN ACCORDANCE WITH SAE AS85049.
 5/ CORROSION RESISTANT NUTS FOR -3, -4, AND -5 AND -8, -9, AND -10 SHALL BE MS21083C04 TYPE.
 6/ BRASS NUTS FOR -8, -9, AND -10 SHALL BE MS21083B04 AND MS21083N04 TYPE.
 7/ CLASS N FINISH IS NOT FOR NAVY USE. AIR FORCE ONLY USE CLASS N FINISH FOR SPACE APPLICATION.

FINISH DESIGNATOR:

FINISH F - YELLOW CHROMATE OVER CADMIUM IN ACCORDANCE WITH SAE AS85049. ALSO SEE APPLICATION NOTE 1.

FINISH N - ELECTROLESS NICKEL IN ACCORDANCE WITH SAE AMS-C-26074 (SEE FOOTNOTE 7 IN TABLE 1).