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AS85049/48

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO CORRECT THE "F" AND "N" FINISH PLATING REFERENCE DOCUMENTS, TO CORRECT THE MATERIAL AND FINISH TABLE FOOTNOTES, TO IMPROVE COMPONENT DRAWING LEGIBILITY, AND TO ADD METRIC EQUIVALENTS.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

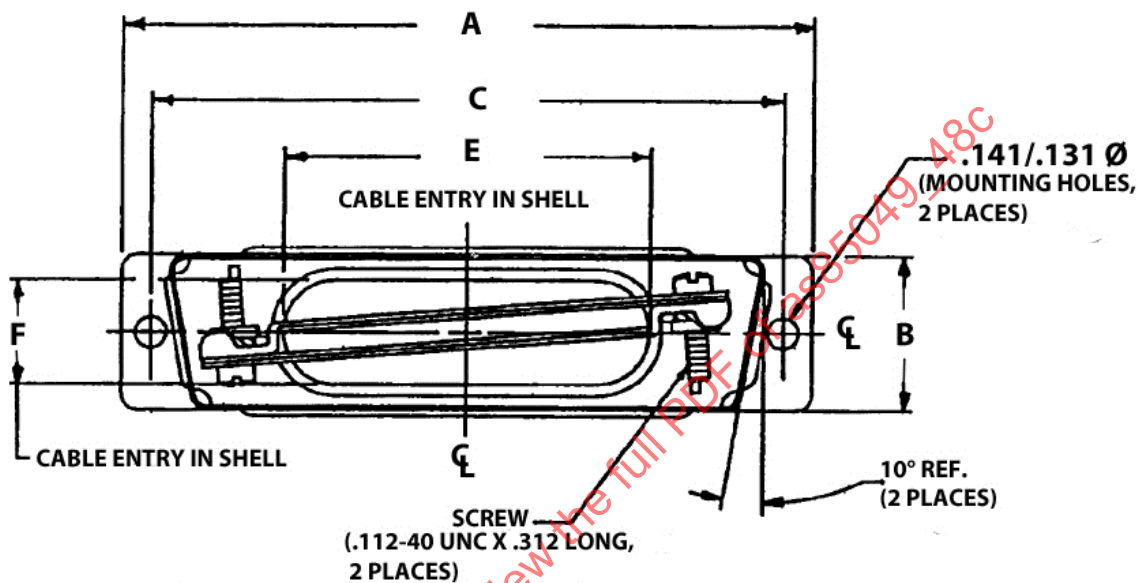
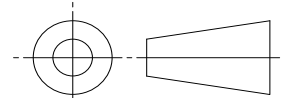


FIGURE 1 - ACCESSORY CONFIGURATIONS AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL,
STRAIN RELIEF, STRAIGHT, CATEGORY 4C
(FOR MIL-DTL-24308 CONNECTORS)

AS85049/48
SHEET 1 OF 9

REV.
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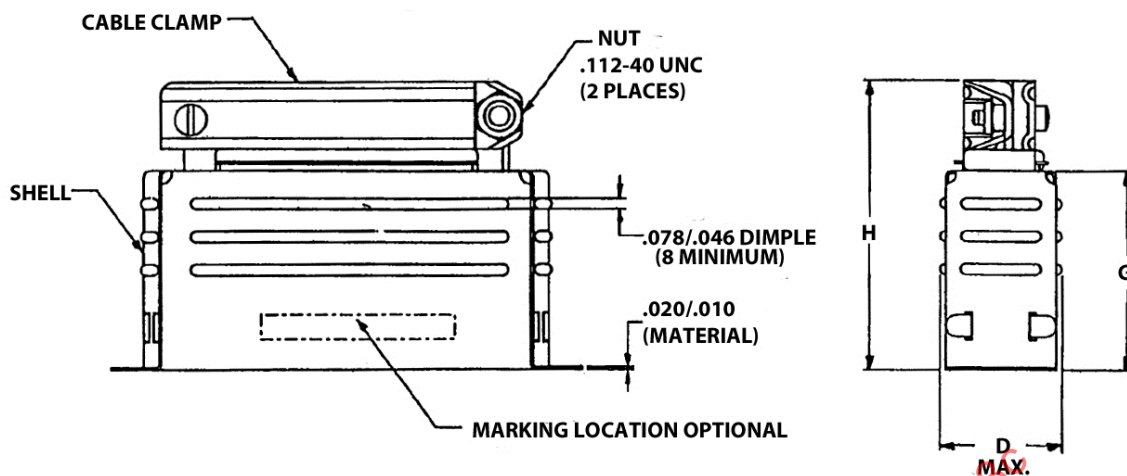


FIGURE 1A - ACCESSORY CONFIGURATIONS AND DIMENSIONS (CONTINUED)

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.010	0.254	.046	1.17	.131	3.33	.312	7.92
.020	0.508	.078	1.98	.141	3.58		

TABLE 2 - FIGURE 1 DIMENSIONS

PART OR IDENTIFYING NUMBER (PIN)		SHELL SIZE	A	B	C	D	E	F	G	H
STEEL	NONMAGNETIC (BRASS)									
M85049/48-1-1	M85049/48-1-6	1	1.218 (30.94)	.514 (13.06) (11.91)	.989 (25.12)	.578 (14.68) MAX	.390 (9.91)	.390 (9.91)	.765 (19.43)	1.250 (31.75)
			1.188 (30.18)		.979 (24.87)		.360 (9.14)	.360 (9.14)		
M85049/48-1-2	M85049/48-1-7	2	1.546 (39.27)		1.317 (33.45)		.728 (18.49)		.735 (18.67)	1.187 (30.15)
			1.516 (38.51)		1.307 (33.20)		.698 (17.73)			
M85049/48-1-3	M85049/48-1-8	3	2.093 (53.16)		1.857 (47.17)		1.015 (25.78)	.327 (8.31)	1.015 (25.78)	1.563 (39.70)
			2.063 (52.40)		1.847 (46.91)		.985 (25.02)	.297 (7.54)		
M85049/48-1-4	M85049/48-1-9	4	2.733 (69.42)		2.505 (63.62)		1.390 (35.31)		.985 (25.02)	1.500 (38.10)
			2.703 (68.66)		2.495 (63.37)		1.360 (34.54)			
M85049/48-1-5	M85049/48-1-10	5	2.640 (67.06)	.623 (15.82)	2.411 (61.24)	.687 (17.45) MAX	1.421 (36.09)	.421 (10.69)	1.140 (28.96)	1.688 (42.88)
			2.610 (66.29)	.578 (14.68)	2.401 (60.99)		1.391 (35.33)	.391 (9.93)	1.110 (28.19)	1.625 (41.28)



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AS85049/48
SHEET 2 OF 9

REV.
C

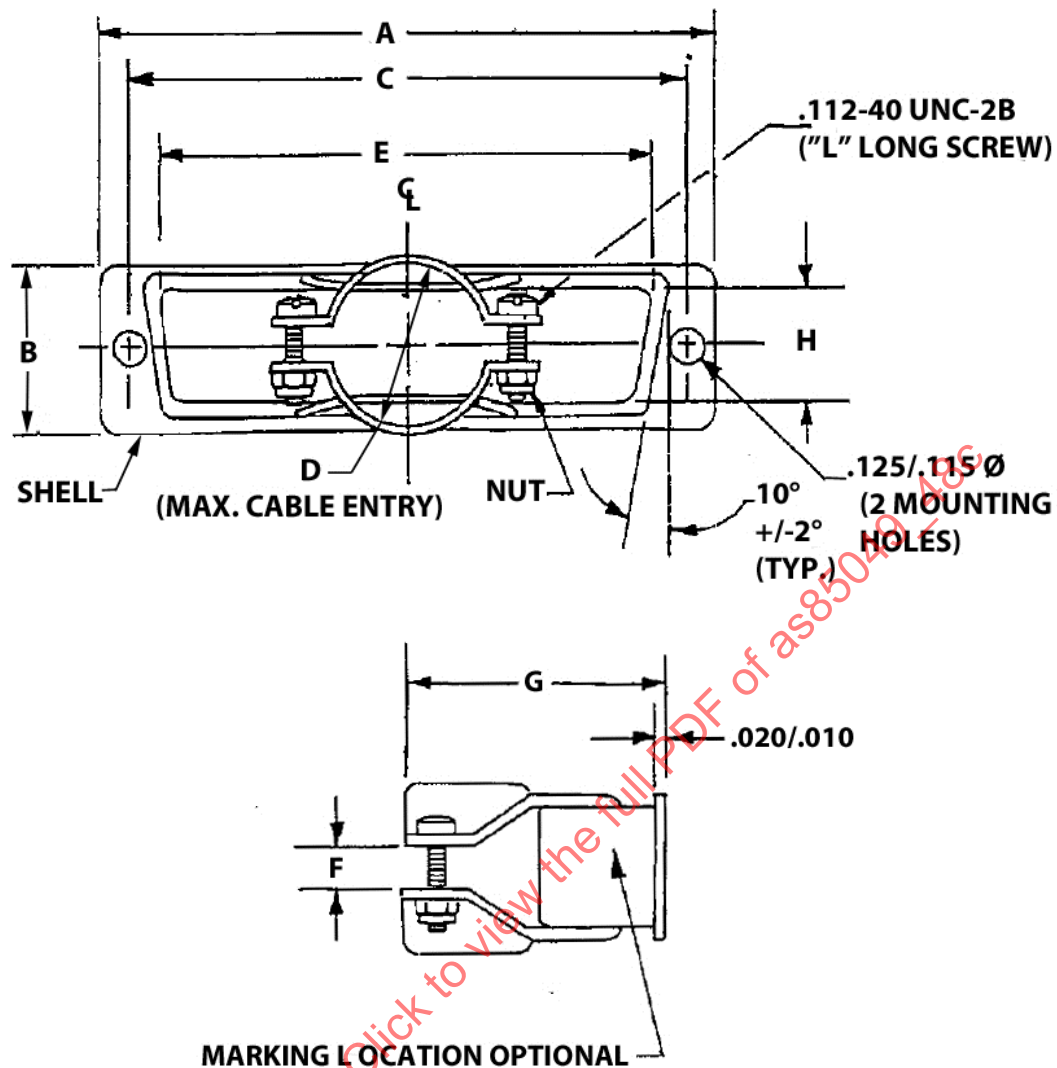


FIGURE 2 - ACCESSORY CONFIGURATIONS AND DIMENSIONS

TABLE 3 - FIGURE 2 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS
.010	0.254	.115	2.92
.020	0.508	.125	3.18

TABLE 4 - FIGURE 2 DIMENSIONS

PIN		SHELL SIZE	A	B	C	D	E	F	G	H	L ±.031 (0.787)
STEEL	NONMAGNETIC (BRASS)										
M85049/48-2-1	M85049/48-2-6	1	1.223 (31.06) 1.193 (30.30)		.989 (25.12) .979 (24.87)		.676 (17.17) .646 (16.41)	.140 (3.56) .110 (2.79)	1.061 (26.95) 1.001 (25.43)		
M85049/48-2-2	M85049/48-2-7	2	1.546 (39.27) 1.516 (38.51)	.515 (13.08)	1.317 (33.45) 1.307 (33.20)	.406 (10.31)	.999 (25.37) .969 (24.61)			.359 (9.12) .329 (8.36)	.375 (9.53)
M85049/48-2-3	M85049/48-2-8	3	2.093 (53.16) 2.063 (52.40)	.485 (12.32)	1.857 (47.17) 1.847 (46.91)	.593 (15.06)	1.530 (38.86) 1.500 (38.10)	.202 (5.13) .172 (4.37)			
M85049/48-2-4	M85049/48-2-9	4	2.733 (69.42) 2.703 (68.66)		2.505 (63.63) 2.495 (63.37)	.718 (18.24)	2.186 (55.52) 2.156 (54.76)	.265 (6.73) .235 (5.97)	1.092 (27.74) 1.032 (26.21)		.500 (12.70)
M85049/48-2-5	M85049/48-2-10	5	2.640 (67.06) 2.610 (66.29)	.624 (15.85) .594 (15.09)	2.411 (61.24) 2.401 (60.99)	.812 (20.62)	2.108 (53.54) 2.078 (52.78)	.327 (8.31) .297 (7.54)		.453 (11.51) .423 (10.74)	.625 (15.88)

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AS85049/48
SHEET 4 OF 9

REV.
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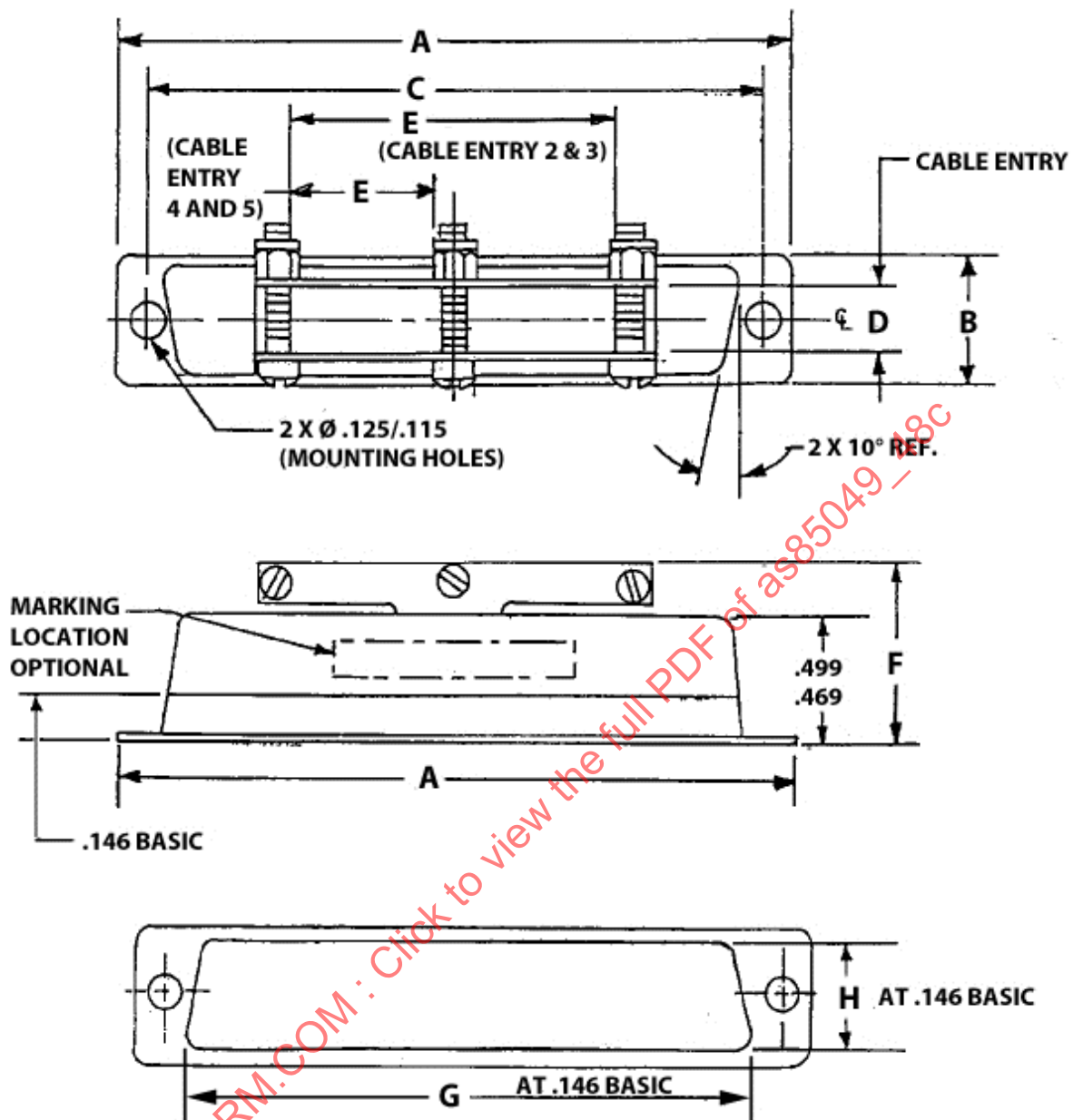


FIGURE 3 - ACCESSORY CONFIGURATIONS AND DIMENSIONS

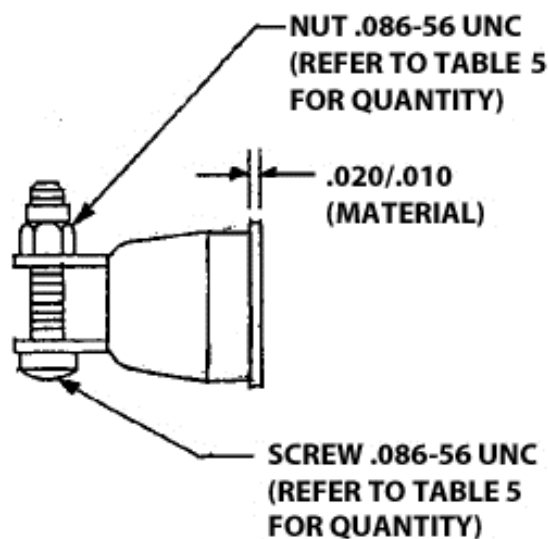


FIGURE 3A - ACCESSORY CONFIGURATIONS AND DIMENSIONS (CONTINUED)

TABLE 5 - FIGURE 3 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.010	0.254	.115	2.92	.146	3.71	.499	12.67
.020	0.508	.125	3.18	.469	11.91		

TABLE 6 - FIGURE 3 DIMENSIONS

PART OR IDENTIFYING NUMBER (PIN)		SHELL SIZE	NUMBER OF SCREWS/ NUTS	A	B	C	D	F	G	H	E
STEEL	NONMAGNETIC (BRASS)										
M85049/48-3-2	M85049/48-3-7	2	2	1.546 (39.27) 1.516 (38.51)	.515 (13.08)	1.317 (33.45) 1.307 (33.20)	.311 (7.90)	.679 (17.25)	1.106 (28.09) 1.076 (27.33)	.457 (11.61)	.345 (8.76) .295 (7.49)
M85049/48-3-3	M85049/48-3-8	3	2	2.093 (53.16) 2.063 (52.40)	.485 (12.32)	1.857 (47.17) 1.847 (46.91)	.281 (7.14)	.609 (15.47)	1.645 (41.78) 1.616 (41.05)	.427 (10.85)	.820 (20.83) .770 (19.56)
M85049/48-3-4	M85049/48-3-9	4	3	2.733 (69.42) 2.703 (68.66)		2.505 (63.63) 2.495 (63.37)			2.297 (58.34) 2.267 (57.58)		.725 (18.42) .675 (17.15)
M85049/48-3-5	M85049/48-3-10	5	3	2.640 (67.01) 2.610 (66.30)	.624 (15.85) .594 (15.09)	2.411 (61.24) 2.401 (60.99)	.405 (10.29) .375 (9.53)	.724 (18.39) .654 (16.61)	2.220 (56.39) 2.190 (55.63)	.580 (14.73) .550 (13.97)	

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

1. DESIGN AND CONSTRUCTION:

THE ACCESSORY SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1 THROUGH 3 AND TABLES 2 THROUGH 7. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM.

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

3. MATERIAL AND FINISH: SEE TABLE 7.

FINISH DESIGNATOR:

FINISH F - YELLOW CHROMATE OVER CADMIUM IN ACCORDANCE WITH AMS-QQ-P-416.

FINISH N - ELECTROLESS NICKEL IN ACCORDANCE WITH AS85049.

TABLE 7 - MATERIAL AND FINISH

DASH NUMBER	MATERIAL			FINISH	
	SHELL	CABLE CLAMP	SCREW/NUT	SHELL/ CABLE CLAMP	SCREW/NUT
1 2 3 4 5	LOW CARBON SHEET STEEL	LOW CARBON SHEET STEEL SAE 1010 .024 THICK	STEEL <u>1/</u>	F <u>2/</u>	F <u>2/ 3/</u>
1 2 3 4 5			300 SERIES CORROSION RESISTANT STEEL <u>4/</u>	N <u>6/</u>	PASSIVATE
6 7 8 9 10	BRASS IN ACCORDANCE WITH ASTM B36 COMPOSITION C26000	BRASS IN ACCORDANCE WITH ASTM B36 COMPOSITION C26000, 1/2 HARD	BRASS <u>5/</u>	F <u>2/</u>	F <u>2/ 3/</u>
6 7 8 9 10			300 SERIES CORROSION RESISTANT STEEL <u>4/</u>	N <u>6/</u>	PASSIVATE
<u>1/</u> STEEL NUTS SHALL BE MS21083N04 TYPE. <u>2/</u> CLASS F FINISH IS NOT FOR USE IN SPACE APPLICATIONS. <u>3/</u> CADMIUM PLATED SCREWS AND NUTS SHALL BE IN ACCORDANCE WITH AMS-QQ-P-416. <u>4/</u> CORROSION RESISTANT NUTS FOR -3, -4, -5, -8, -9, AND -10 SHALL BE MS21083C04 TYPE. <u>5/</u> BRASS NUTS FOR -8, -9, AND -10 SHALL BE MS21083B04 TYPE. <u>6/</u> CLASS N FINISH IS NOT FOR NAVY USE. AIR FORCE USE OF CLASS N FINISH IS FOR SPACE APPLICATIONS ONLY.					



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AS85049/48
SHEET 7 OF 9

REV.
C