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AS85049/50

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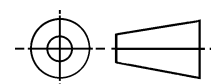
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THIRD ANGLE PROJECTION



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AEROSPACE STANDARD

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

AS85049/50
SHEET 1 OF 5

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: MIL-C-85049.

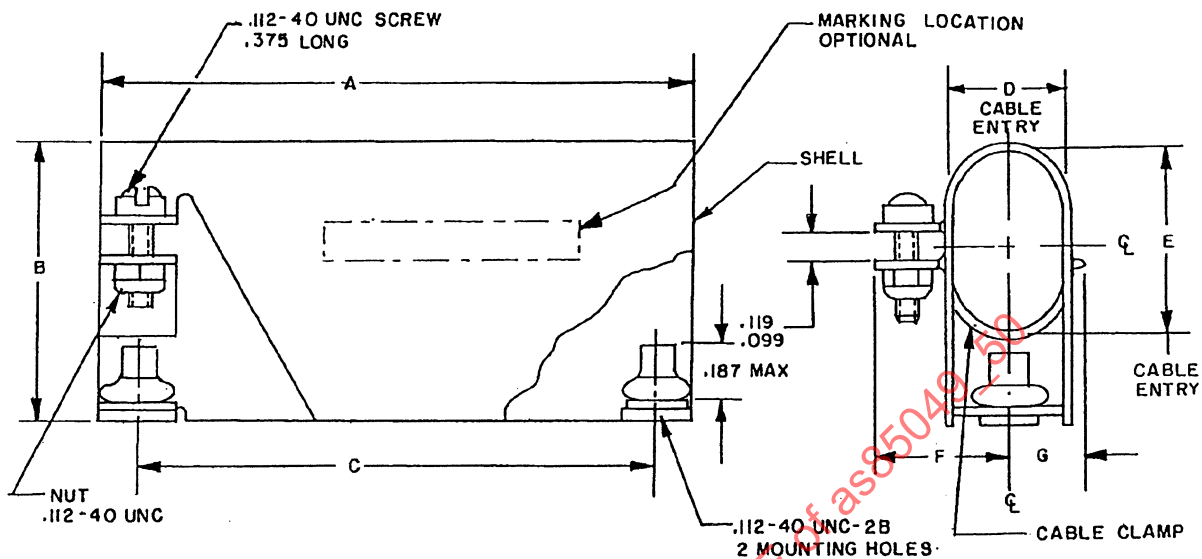


FIGURE 1. CONFIGURATIONS AND DIMENSIONS.

Part or Identifying Number (PIN)		Shell size	A	B	C	D	E	F	G
Steel	Nonmagnetic (brass)								
M85049/50-1	M85049/50-6	1	<u>1.218</u> <u>1.188</u>	<u>.748</u> <u>.688</u>	<u>.989</u> <u>.979</u>	<u>.467</u> <u>.407</u>	<u>.467</u> <u>.407</u>	<u>.498</u> <u>.438</u>	<u>.311</u> <u>.251</u>
M85049/50-2	M85049/50-7	2	<u>1.546</u> <u>1.516</u>	<u>.748</u> <u>.688</u>	<u>1.317</u> <u>1.307</u>	<u>.467</u> <u>.407</u>	<u>.467</u> <u>.407</u>	<u>.498</u> <u>.438</u>	<u>.311</u> <u>.251</u>
M85049/50-3	M85049/50-8	3	<u>2.093</u> <u>2.063</u>	<u>.998</u> <u>.938</u>	<u>1.857</u> <u>1.847</u>	<u>.467</u> <u>.407</u>	<u>.655</u> <u>.595</u>	<u>.498</u> <u>.438</u>	<u>.311</u> <u>.251</u>
M85049/50-4	M85049/50-9	4	<u>2.733</u> <u>2.703</u>	<u>1.217</u> <u>1.157</u>	<u>2.505</u> <u>2.495</u>	<u>.467</u> <u>.407</u>	<u>.842</u> <u>.782</u>	<u>.498</u> <u>.438</u>	<u>.311</u> <u>.251</u>
M85049/50-5	M85049/50-10	5	<u>2.640</u> <u>2.610</u>	<u>1.280</u> <u>1.220</u>	<u>2.411</u> <u>2.401</u>	<u>.592</u> <u>.532</u>	<u>.936</u> <u>.876</u>	<u>.561</u> <u>.501</u>	<u>.373</u> <u>.313</u>

Inches	mm	Inches	mm	Inches	mm
.251	6.38	.655	16.64	1.516	38.51
.311	7.90	.688	17.48	1.546	39.27
.313	7.95	.748	19.08	2.063	52.40
.373	9.47	.938	23.83	2.093	53.16
.407	10.34	.998	25.36	2.401	60.99
.438	11.13	1.157	29.39	2.411	61.24
.468	11.86	1.188	30.18	2.495	63.37
.498	12.65	1.217	30.91	2.610	66.29
.532	13.51	1.218	30.94	2.640	67.06
.592	15.04	1.307	33.20	2.703	68.66
.595	15.11	1.317	33.45	2.733	69.42

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply after plating.
4. Electroless nickel finish is not for Navy use.
5. Electroless nickel shall be used in aerospace application only.

FIGURE 1. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

REQUIREMENTS:

Design and construction:

Dimensions and configurations: See figure 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 I.

TABLE I. MATERIAL AND FINISH

Dash number	Material			Finish	
	Shell	Cable clamp	Screw/Nut <u>1/</u>	Shell/ Cable clamp	Screw/Nut
1 2 3 4 5	Low carbon sheet steel	Low carbon sheet steel SAE 1010 .024 thick	Steel <u>2/</u>	F <u>3/</u>	F <u>3/ 4/</u>
1 2 3 4 5			300 series corrosion resistant steel <u>5/</u>	N	Passivate in accordance with QQ-P-35
6 7 8 9 10			Brass <u>6/</u>	F <u>3/</u>	F <u>3/ 4/</u>
6 7 8 9 10			300 series corrosion resistant steel <u>5/</u>	N <u>7/</u>	Passivate in accordance with QQ-P-35

- 1/ Rivnuts (or equivalent) shall be aluminum alloy in accordance with MIL-C-85049, black anodized in accordance with MIL-A-8625, type II.
- 2/ Steel nuts for -3, -4, and -5 shall be MS21083B04 and MS21083N04.
- 3/ Class F finish is not for space flight use.
- 4/ Cadmium plated screws and nuts shall be class 3 thickness in accordance with QQ-P-416.
- 5/ Corrosion resistant nuts for -3, -4, and -5 and -8, -9, and -10 shall be MS21083C04.
- 6/ Brass nuts for -8, -9, and -10 shall be MS21083B04 and MS21083N04.
- 7/ Class N finish is not for Navy use. Air Force only use class N finish for space application.