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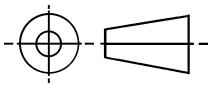

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AEROSPACE STANDARD

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

AS85049/48
SHEET 1 OF 10

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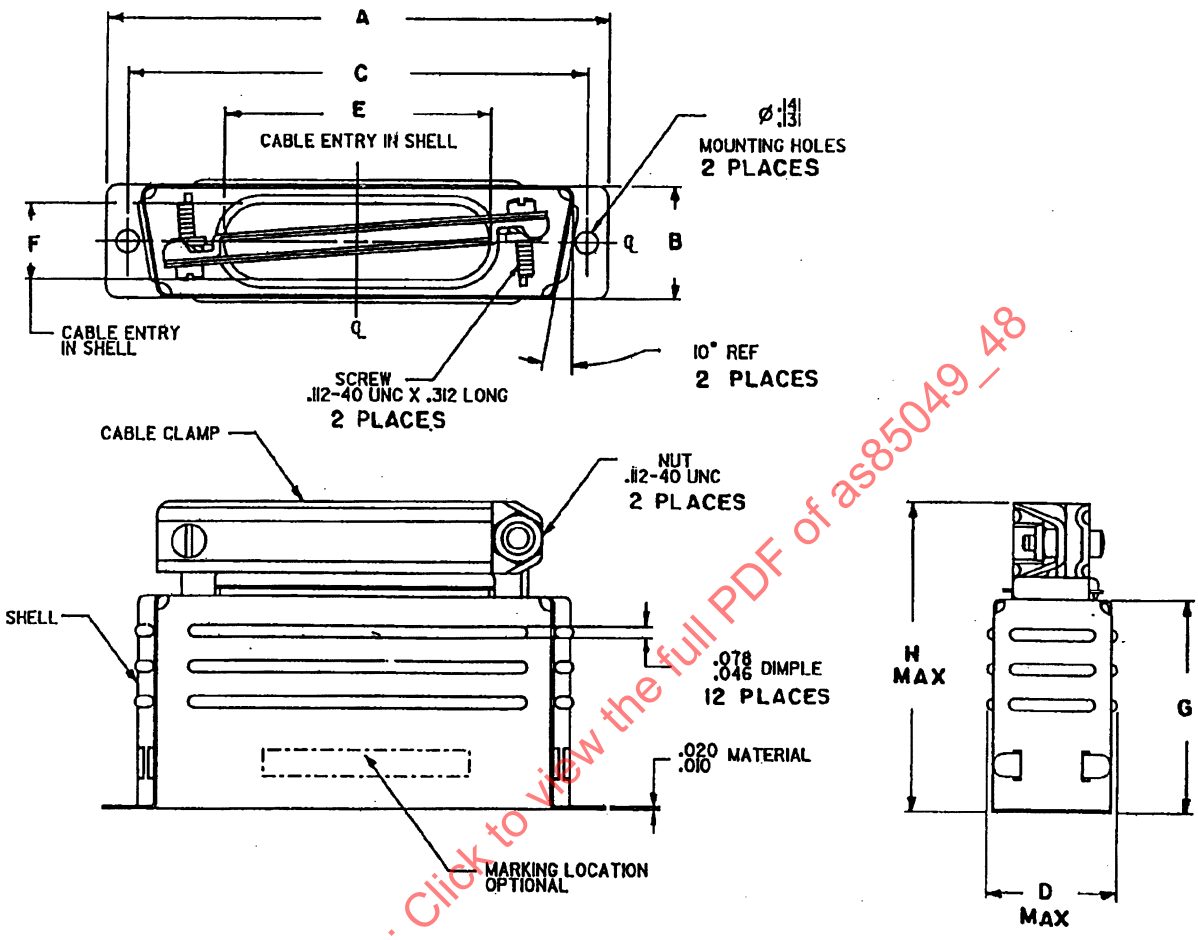

FIGURE 1. CONFIGURATIONS AND DIMENSIONS.

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 1.188	.514 .469	.989 .979	.578 MAX	.390 .360	.390 .360	.765 .735	1.250 1.187
M85049/48-1-2	M85049/48-1-7	2	1.546 1.516	.514 .469	1.317 1.307	.578 MAX	.728 .698	.327 .297	.765 .735	1.250 1.187
M85049/48-1-3	M85049/48-1-8	3	2.093 2.063	.514 .469	1.857 1.847	.578 MAX	1.015 .985	.327 .297	1.015 .985	1.563 1.500
M85049/48-1-4	M85049/48-1-9	4	2.733 2.703	.514 .469	2.505 2.495	.578 MAX	1.390 1.360	.327 .297	1.015 .985	1.563 1.500
M85049/48-1-5	M85049/48-1-10	5	2.640 2.610	.623 .578	2.411 2.401	.687 MAX	1.421 1.391	.421 .391	1.140 1.110	1.688 1.625

Inches	mm	Inches	mm
1.187	30.15	1.625	41.28
1.188	30.18	1.688	42.88
1.218	30.94	2.063	52.40
1.250	31.75	2.093	53.16
1.500	38.10	2.610	66.29
1.516	38.51	2.640	67.06
1.546	39.27	2.703	68.66
1.563	39.70	2.733	69.42

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply after plating.

FIGURE 1. CONFIGURATION AND DIMENSIONS - CONTINUED.

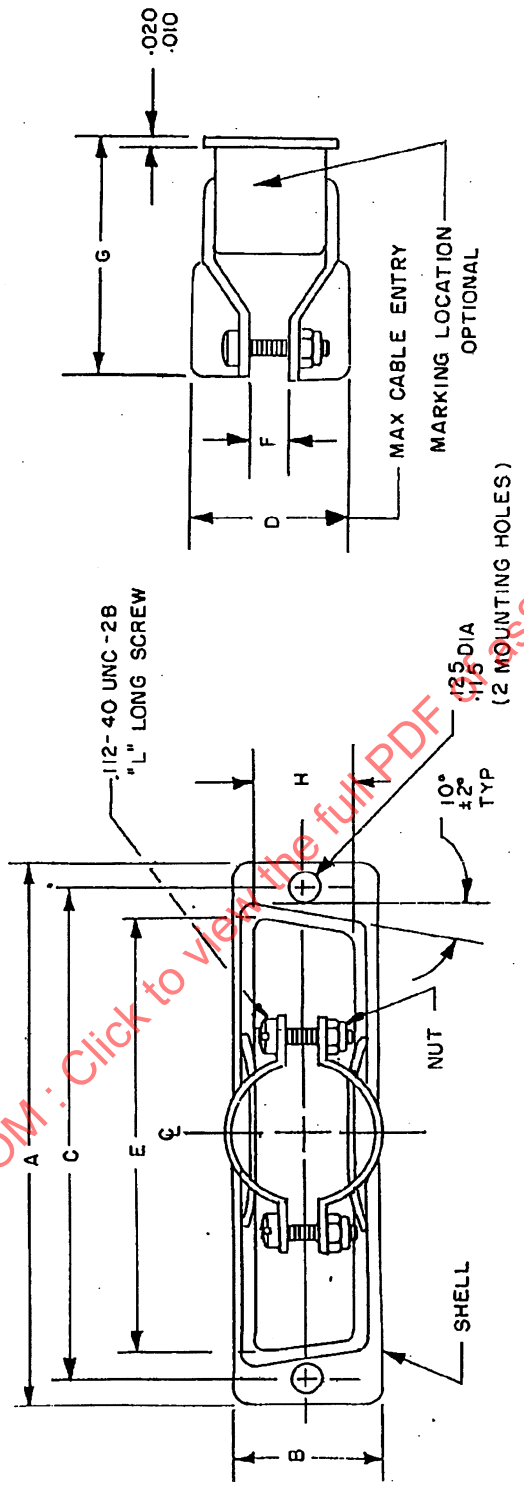

FIGURE 2. CONFIGURATIONS AND DIMENSIONS.

PIN		Shell size	A	B	C	D	E	F	G	H	L ±.031
Steel	Nonmagnetic (brass)										
M85049/48-2-1	M85049/48-2-6	1	1.223 1.193	.515 .485	.989 .979	.406	.676 .646	.140 .110	1.061 1.001	.359 .329	.375
M85049/48-2-2	M85049/48-2-7	2	1.546 1.516	.515 .485	1.317 1.307	.406	.999 .969	.140 .110	1.061 1.001	.359 .329	.375
M85049/48-2-3	M85049/48-2-8	3	2.093 2.063	.515 .485	1.857 1.847	.593	1.530 1.500	.202 .172	1.092 1.032	.359 .329	.375
M85049/48-2-4	M85049/48-2-9	4	2.733 2.703	.515 .485	2.505 2.495	.718	2.186 2.156	.265 .235	1.092 1.032	.359 .329	.500
M85049/48-2-5	M85049/48-2-10	5	2.640 2.610	.624 .594	2.411 2.401	.812	2.108 2.078	.327 .297	1.092 1.032	.453 .423	.625

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.010	0.25	.406	10.31	.989	25.12	1.857	47.17
.020	0.51	.423	10.74	.999	25.37	2.063	52.40
.110	2.79	.453	11.51	1.001	25.43	2.078	52.78
.112	2.84	.485	12.32	1.032	26.21	2.093	53.16
.115	2.92	.500	12.70	1.061	26.95	2.108	53.54
.125	3.18	.515	13.08	1.092	27.74	2.156	54.76
.140	3.56	.593	15.06	1.193	30.30	2.186	55.52
.172	4.37	.594	15.09	1.223	31.06	2.401	60.99
.202	5.13	.624	15.85	1.307	33.20	2.411	61.24
.235	5.97	.625	15.88	1.317	33.45	2.495	63.37
.265	6.73	.646	16.41	1.500	38.10	2.505	63.63
.297	7.54	.676	17.17	1.516	38.51	2.610	66.29
.327	8.31	.718	18.24	1.530	38.86	2.640	67.06
.329	8.36	.812	20.62	1.546	39.27	2.703	68.66
.359	9.12	.969	24.61	1.847	46.91	2.733	69.42
.375	9.53	.979	24.87				

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply after plating.

FIGURE 2. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

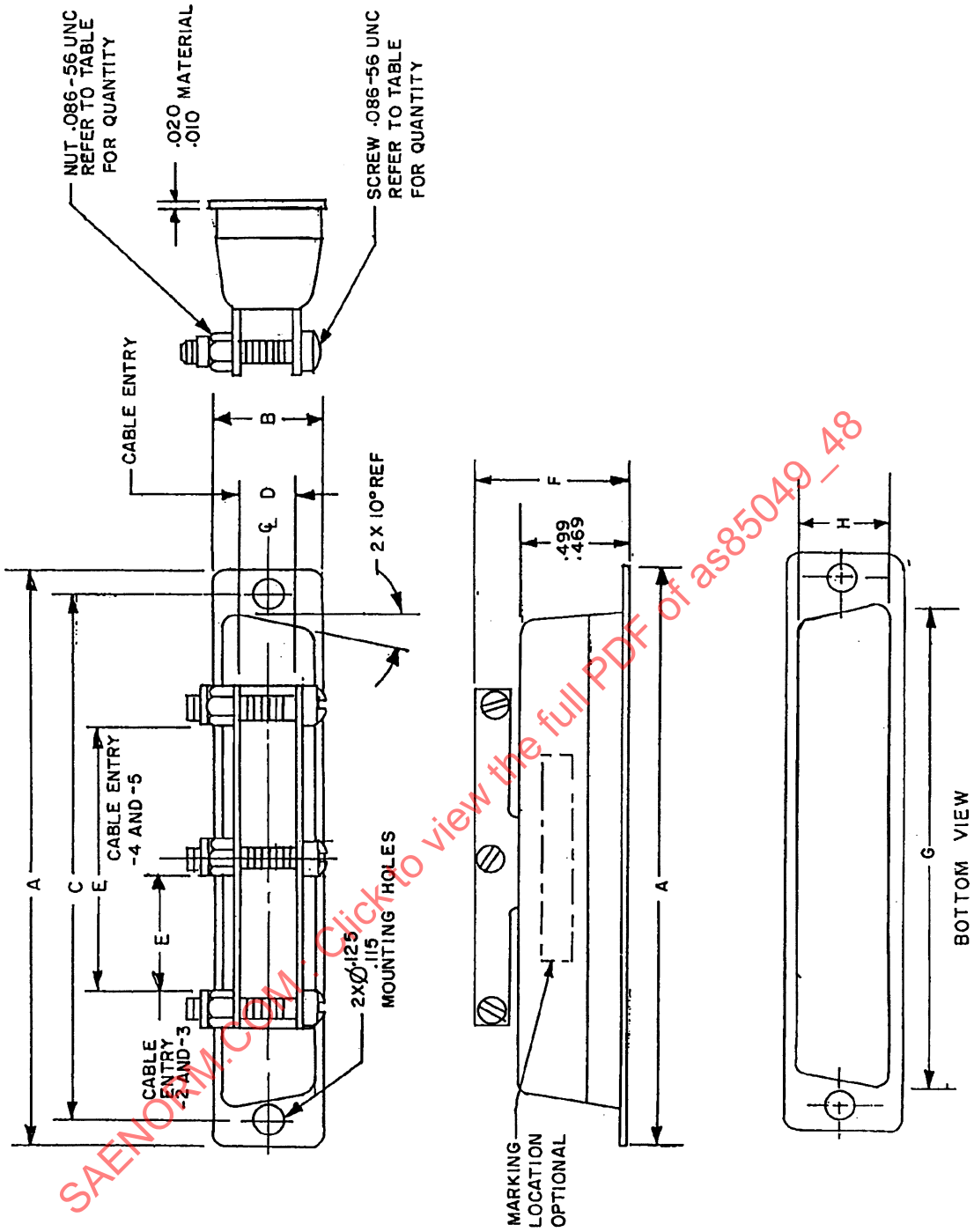

FIGURE 3. CONFIGURATIONS AND DIMENSIONS.

Part or Identifying Number (PIN)		Shell size	Number of screws	A	B	C	D	E	F	G	H
Steel	Nonmagnetic (brass)										
M85049/48-3-2	M85049/48-3-7	2	2	1.546 1.516	.515 .485	1.317 1.307	.311 .281	.327 .297	.679 .609	1.106 1.076	.457 .427
M85049/48-3-3	M85049/48-3-8	3	2	2.093 2.063	.515 .485	1.857 1.847	.311 .281	.811 .781	.679 .609	1.646 1.616	.457 .427
M85049/48-3-4	M85049/48-3-9	4	3	2.733 2.703	.515 .485	2.505 2.495	.311 .281	.702 .672	.679 .609	2.297 2.267	.457 .427
M85049/48-3-5	M85049/48-3-10	5	3	2.640 2.610	.624 .594	2.411 2.401	.405 .375	.702 .672	.703 .685	2.220 2.190	.580 .550

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.281	7.14	.594	15.09	1.037	33.20	2.297	58.34
.297	7.54	.609	15.47	1.317	33.45	2.401	60.99
.311	7.90	.624	15.86	1.516	38.51	2.411	61.24
.327	8.31	.672	17.09	1.546	39.27	2.495	63.37
.375	9.53	.679	17.25	1.616	41.05	2.505	63.63
.405	10.29	.685	17.40	1.646	57.47	2.610	66.29
.427	10.86	.702	17.83	2.063	52.40	2.640	67.67
.451	11.61	.703	17.86	2.093	53.16	2.703	68.66
.485	12.32	.781	19.84	2.190	55.63	2.733	69.43
.515	13.08	.811	20.60	2.220	56.39		
.550	13.97	1.076	27.33	2.267	57.57		
.580	14.73	1.106	28.09				

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 3. CONFIGURATIONS AND DIMENSIONS - CONTINUED.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figures 1, 2, and 3.

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

Finish designator:

Finish F - Yellow chromate over cadmium in accordance with QQ-P-416, type II, class 2.

Finish N - Electroless nickel in accordance with MIL-C-26074, class 1 or 2, grade B (see notes 4 and 5 on page 7).