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PREPARED BY SAE SUBCOMMITTEE AE-8C1		THIRD ANGLE PROJECTION
 400 Commonwealth Drive, Warrendale, PA 15096-0001	<p><b>AEROSPACE STANDARD</b></p> <p>CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NONENVIRONMENTAL, 45°, CATEGORY 4C (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)</p>	<b>AS85049/54</b> SHEET 1 OF 5

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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.

**INACTIVE FOR NEW DESIGN AFTER 30 NOVEMBER 1990.  
FOR NEW DESIGN USE MIL-C-85049/43.**

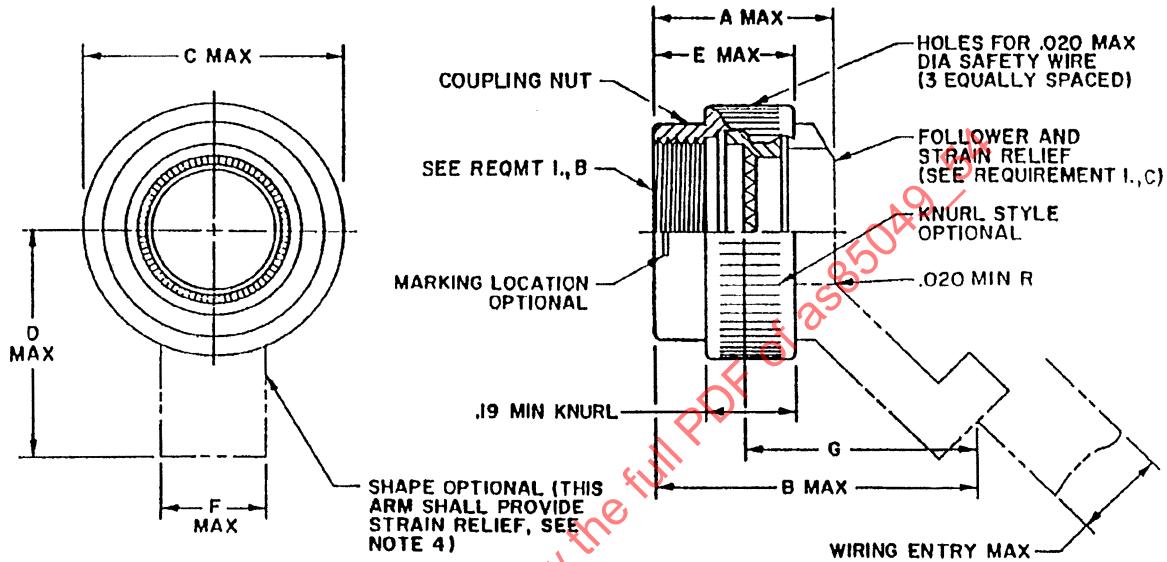


FIGURE 1. CONFIGURATION AND DIMENSIONS.

TABLE I. DIMENSIONS.

Dash Number	For Connector Shell Size (Ref)				A Max	B Max	C Dia Max	D Max	E Max	F Max	G Max	Wiring Entry Max
	MIL-C- 81703 Series 3	MIL-C- 26482 Series 2	MIL-C- 5015 Crimp	MIL-C- 83723 Series III								
03	3				.790	1.562	.782	1.110	.540	.500	1.232	.260
08		8	8S	8	.790	1.562	.657	1.110	.540	.463	1.232	.260
10		10	10S, 10SL	10	.790	1.562	.782	1.110	.540	.551	1.232	.365
12	7	12	12, 12S	12	.790	1.562	.937	1.110	.540	.644	1.232	.501
14	12	14	14, 14S	14	.790	1.562	1.050	1.200	.540	.738	1.232	.575
16	19	16	16, 16S	16	.790	1.562	1.239	1.200	.540	.834	1.232	.700
18	27	18	18	18	.790	1.562	1.378	1.300	.540	.914	1.232	.779
20	37	20	20	20	.790	1.812	1.500	1.300	.540	1.00	1.482	.904
22		22	22	22	.790	1.812	1.631	1.400	.540	.10	1.482	1.029
24		24	24	24	.790	1.812	1.750	1.400	.540	1.20	1.482	1.144
28			28		.952	1.969	1.970	1.500	.702	1.48	1.469	1.379

INCH	mm	INCH	mm	INCH	mm	INCH	mm
0.015	0.38	0.657	16.69	1.000	25.40	1.400	35.56
0.020	0.51	0.700	17.78	1.029	26.14	1.440	36.58
0.030	0.76	0.702	17.83	1.050	26.67	1.469	37.31
0.040	1.02	0.738	18.75	1.100	27.94	1.480	37.59
0.260	6.60	0.779	19.79	1.110	28.19	1.482	37.64
0.365	9.27	0.782	19.86	1.144	29.05	1.500	38.10
0.463	11.76	0.790	20.07	1.200	30.48	1.562	39.67
0.501	12.73	0.834	21.18	1.232	31.29	1.631	41.43
0.540	13.72	0.904	22.96	1.239	31.47	1.750	44.45
0.551	14.00	0.914	23.22	1.300	33.02	1.812	46.02
0.575	14.60	0.937	23.80	1.378	35.00	1.969	50.01
0.644	16.36	0.952	24.18	1.379	35.03	1.970	50.04

## REQUIREMENTS:

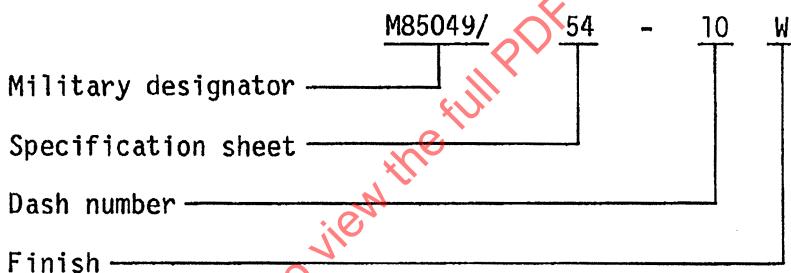
1. Design and construction:
  - a. Dimensions and configuration: See figure 1 and table I.
  - b. Interface dimensions shall be in accordance with MIL-C-85049, figure 4.
  - c. Complete strain relief unit consists of coupling nut and a follower with strain relief arm. The coupling shall be captivated to the follower and free to rotate.
2. Material and finish: see table II.

TABLE II. MATERIAL AND FINISH.

Figure	Material	Finish
Coupling nut and follower	Aluminum alloy in accordance with MIL-C-85049	<u>1</u> / A, W
Tie mount	Polyamid (optional)	None
Fastener	Stainless steel (optional)	None

1 / W finish is not for use in space application.

3. Qualification: See MIL-C-85049, category 4C. Information pertaining to qualification of products may be obtained from the Commanding Officer, Naval Avionics Center, Attention: Code B/444, 6000 East 21st Street, Indianapolis, IN 46219-2189.
4. Part number: See example below:



5. Supersession data:

