

REV.
A

AS85049/53

FEDERAL SUPPLY CLASS
5935

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: AS85049.

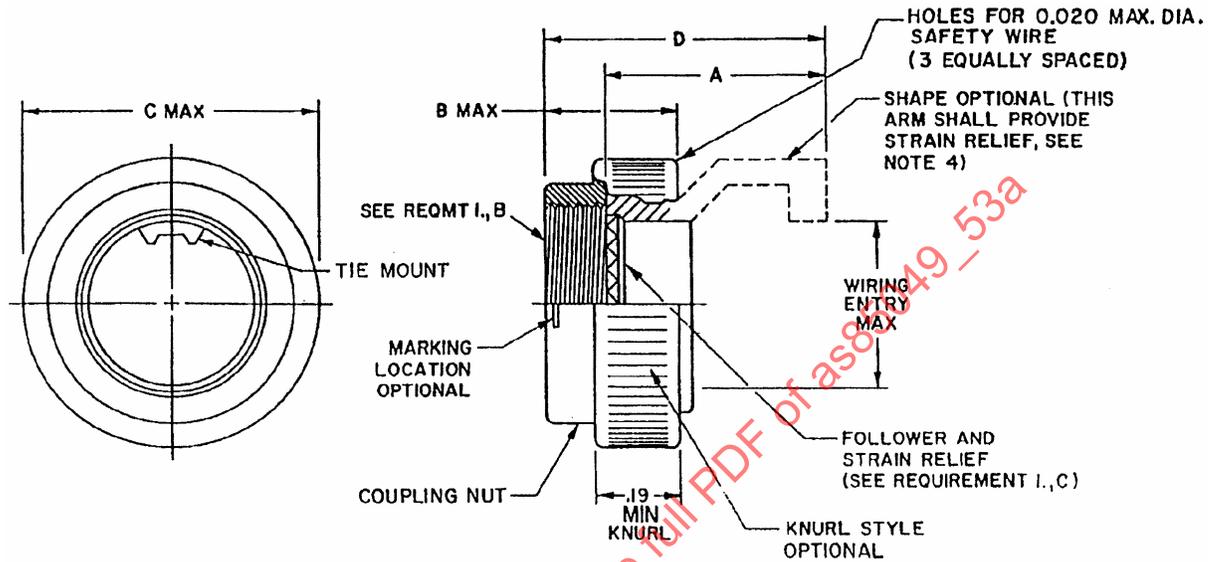
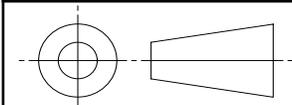


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
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AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NONENVIRONMENTAL, STRAIGHT, CATEGORY 4C (FOR MIL-DTL-5015 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049/53
SHEET 1 OF 3

REV. A

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ISSUED 2001-07 REVISED 2004-11

TABLE 1 - DIMENSIONS

DASH NO.	FOR CONNECTOR SHELL, SIZE (REF)				A MAX	B MAX	C DIA MAX	D MAX	WIRING ENTRY MAX
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP	MIL-DTL-83723 SERIES III					
03	3	--	--	--	.954	.540	.669	1.310	.260
08	--	8	8S	8	.954	.540	.617	1.310	.260
10	--	10	10,10SL	10	.954	.540	.734	1.310	.365
12	7	12	12,12S	12	.954	.540	.858	1.560	.501
14	12	14	14,14S	14	1.204	.540	.984	1.560	.575
16	19	16	16,16S	16	1.204	.540	1.112	1.560	.700
18	27	18	18	18	1.204	.540	1.218	1.560	.779
20	37	20	20	20	1.310	.540	1.345	1.666	.904
22	--	22	22	22	1.430	.540	1.468	1.786	1.029
24	--	24	24	24	1.560	.540	1.593	1.916	1.144
28	--	--	28	--	1.560	.702	1.969	2.098	1.379

INCH	MM
0.015	0.38
0.020	0.51
0.030	0.76
0.031	0.79
0.190	4.83
0.260	6.60
0.365	9.27
0.501	12.73
0.540	13.72
0.575	14.60

INCH	MM
0.167	15.67
0.669	16.99
0.700	17.78
0.702	17.83
0.734	18.64
0.779	19.79
0.858	21.79
0.904	22.96
0.954	24.23

INCH	MM
0.984	24.99
1.029	26.14
1.112	28.24
1.144	29.06
1.204	30.58
1.218	30.94
1.310	33.27
1.345	34.16
1.379	35.03

INCH	MM
1.392	35.36
1.430	36.32
1.468	37.29
1.560	39.62
1.593	40.46
1.666	42.31
1.916	48.67
1.969	50.01
2.098	53.29

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

- a. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
- b. INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH AS85049, FIGURE 4 or 4A.
- 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 2.

TABLE 2 - MATERIAL AND FINISH

FIGURE	MATERIAL	FINISH
COUPLING NUT AND FOLLOWER	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	A, 1/ W, 2/ N
TIE MOUNT	POLYAMID (OPTIONAL)	NONE
FASTENER	STAINLESS STEEL (OPTIONAL)	NONE

1/ W FINISH IS NOT FOR USE IN SPACE APPLICATION.

2/ N NOT FOR NAVY USE. AIR FORCE: FOR SPACE APPLICATIONS ONLY.