FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO CORRECT THE DIMENSION "G" REQUIREMENT FOR -16, -18, AND -28 WHICH WAS LISTED AS .069, .069 AND .086 RESPECTIVELY IN ALL MILITARY VERSIONS OF THE DOCUMENT.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.
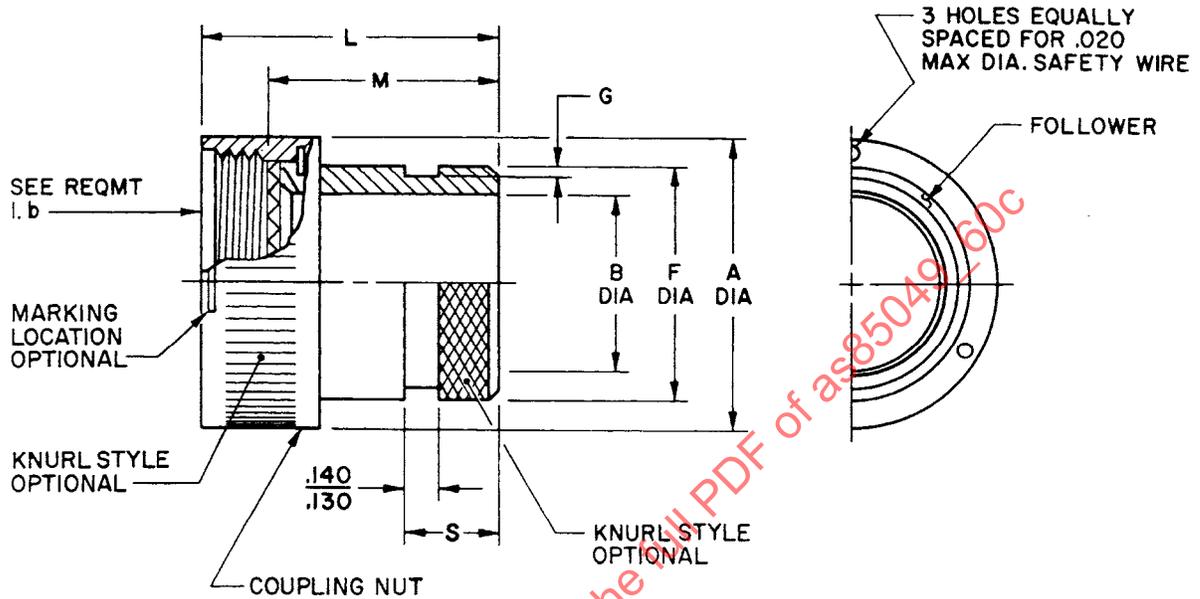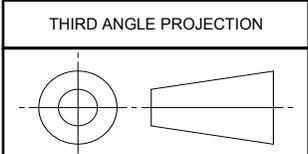
FIGURE 1 – CONFIGURATION AND DIMENSIONS

REVISED 2011-09

REAFFIRMED 2009-06

ISSUED 1998-08

SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS85049/60C

THIRD ANGLE PROJECTION

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE *Aerospace*
An SAE International Group

AEROSPACE STANDARD
CONNECTOR ACCESSORIES, ELECTRICAL, ADAPTER, SHRINK BOOT, CATEGORY 5 (FOR AS50151 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

SAE AS85049/60
SHEET 1 OF 6

REV.
C

TABLE 1 – FIGURE 1 DASH NUMBERS AND DIMENSIONS

DASH NO.	FOR CONNECTOR SHELL SIZE (REF)				A DIA + .000 - .045	F DIA + .000 - .020	G + .008 - .000	L MAX	M MAX	S ± .031	B MIN DIA
	AS81703 SERIES 3	MIL-DTL-83723 SERIES III	AS50151 CRIMP	MIL-DTL-26482 SERIES 2							
3	3				.669 (17.0)	.533 (13.5)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.250 (6.4)
8		8	8S	8	.617 (15.7)	.533 (13.5)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.250 (6.4)
10		10	10S, 10SL	10	.734 (18.6)	.605 (15.4)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.355 (9.0)
12	7	12	12S, 12	12	.858 ((21.8)	.774 (19.7)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.491 (12.5)
14	12	14	14S, 14	14	.984 (25.0)	.838 (21.3)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.565 (14.4)
16	19	16	16S, 16	16	1.112 (28.2)	.963 (24.5)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.690 (17.5)
18	27	18	18	18	1.218 (30.9)	1.042 (26.5)	.044 (1.1)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.769 (19.5)
20	37	20	20	20	1.345 (34.2)	1.217 (30.9)	.069 (1.8)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	.894 (22.7)
22		22	22	22	1.468 (37.3)	1.355 (34.4)	.069 (1.8)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	1.019 (25.9)
24		24	24	24	1.593 (40.5)	1.443 (36.7)	.069 (1.8)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	1.134 (28.8)
28				28	1.969 (50.0)	1.709 (43.4)	.069 (1.8)	1.511 (38.4)	.994 (25.2)	.406 (10.3)	1.369 (34.8)
32				32	2.219 (56.4)	1.919 (48.7)	.086 (2.2)	1.511 (38.4)	.994 (25.2)	.563 (14.3)	1.615 (41.0)
36				36	2.469 (62.7)	2.169 (55.1)	.086 (2.2)	1.511 (38.4)	.994 (25.2)	.563 (14.3)	1.830 (46.5)
40				40	2.719 (69.1)	2.402 (61.0)	.086 (2.2)	1.511 (38.4)	.994 (25.2)	.563 (14.3)	2.045 (51.9)
44				44	2.969 (75.4)	2.657 (67.5)	.086 (2.2)	1.511 (38.4)	.994 (25.2)	.563 (14.3)	2.300 (58.4)
48				48	3.219 (81.8)	2.907 (73.8)	.086 (2.2)	1.511 (38.4)	.994 (25.2)	.563 (14.3)	2.550 (64.8)
61	61				1.653 (42.0)	1.529 (38.8)	.069 (1.8)	1.187 (30.1)	.832 (21.1)	.406 (10.3)	1.174 (29.8)

AEROSPACE STANDARD

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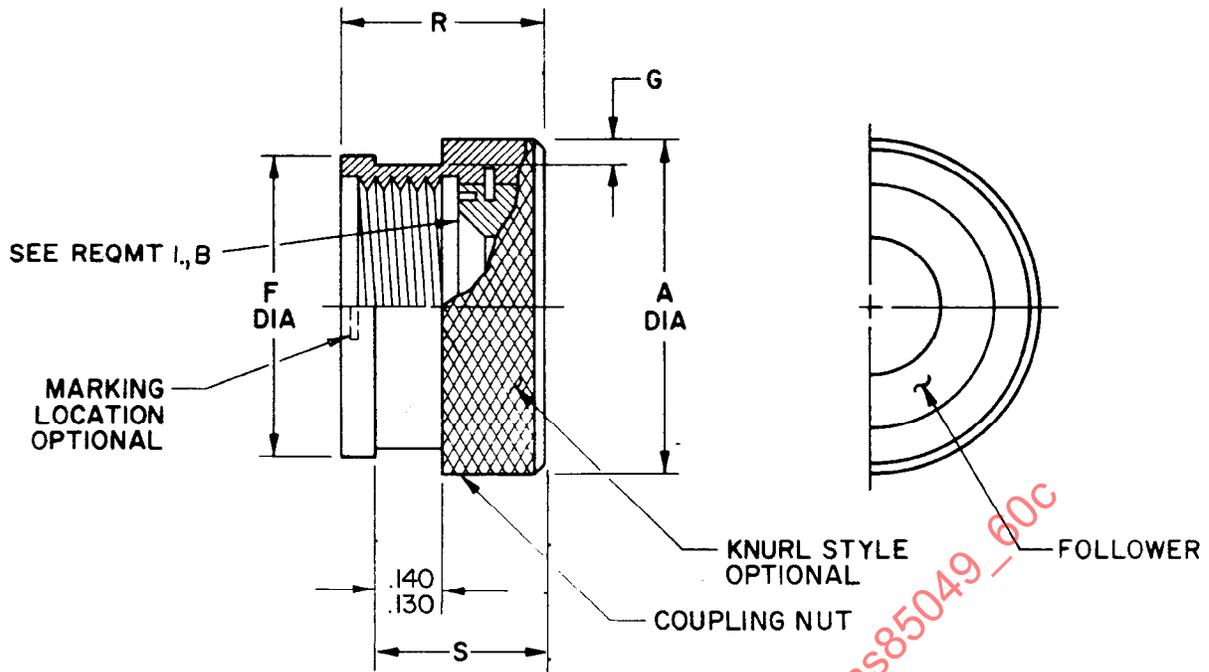*SAE* AS85049/60

SHEET 2 OF 6

REV. C

FIGURE 2 – CONFIGURATION AND DIMENSIONS

TABLE 2 – FIGURE 2 DASH NUMBERS AND DIMENSIONS

DASH NO.	FOR CONNECTOR SHELL SIZE (REF)				A DIA + .000 - .045	F DIA + .000 - .020	G + .008 - .000	R MAX	S ± .031
	AS81703 SERIES 3	MIL-DTL-83723 SERIES III	AS50151 CRIMP	MIL-DTL-26482 SERIES 2					
3	3				.750 (19.1)	.709 (18.0)	.044 (1.1)	.540 (13.7)	.406 (10.3)
8		8	8S	8	.688 (17.5)	.657 (16.7)	.044 (1.1)	.540 (13.7)	.406 (10.3)
10		10	10S, 10SL	10	.803 (20.4)	.774 (19.7)	.044 (1.1)	.540 (13.7)	.406 (10.3)
12	7	12	12S, 12	12	.938 (23.8)	.898 (22.8)	.044 (1.1)	.540 (13.7)	.406 (10.3)
14	12	14	14S, 14	14	1.063 (27.0)	1.024 (26.0)	.044 (1.1)	.540 (13.7)	.406 (10.3)
16	19	16	16S, 16	16	1.238 (31.4)	1.152 (29.3)	.069 (1.1)	.540 (13.7)	.406 (10.3)
18	27	18	18	18	1.310 (33.3)	1.243 (31.6)	.069 (1.1)	.540 (13.7)	.406 (10.3)
20	37	20	20	20	1.436 (36.5)	1.370 (34.8)	.069 (1.8)	.540 (13.7)	.406 (10.3)
22		22	22	22	1.560 (39.6)	1.443 (36.7)	.069 (1.8)	.540 (13.7)	.406 (10.3)
24		24	24	24	1.686 (42.8)	1.618 (41.1)	.069 (1.8)	.540 (13.7)	.406 (10.3)
28				28	2.062 (52.4)	1.969 (50.0)	.086 (1.8)	.702 (17.8)	.406 (10.3)
32				32	2.312 (58.7)	2.219 (56.4)	.086 (2.2)	.702 (17.8)	.563 (14.3)
36				36	2.562 (65.1)	2.469 (62.7)	.086 (2.2)	.702 (17.8)	.563 (14.3)
40				40	2.812 (71.4)	2.719 (69.1)	.086 (2.2)	.702 (17.8)	.563 (14.3)
44				44	3.062 (77.8)	2.969 (75.4)	.086 (2.2)	.702 (17.8)	.563 (14.3)
48				48	3.312 (84.1)	3.219 (81.8)	.086 (2.2)	.702 (17.8)	.563 (14.3)
61	61				1.748 (44.4)	1.653 (42.0)	.069 (1.8)	.540 (13.7)	.406 (10.3)

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NOTES:

1. DIMENSIONS ARE IN INCHES.

2. METRIC EQUIVALENTS ARE IN P\ARENTHESES AND ARE GIVEN FOR GENERAL INFORMATION ONLY.

3. UNLESS OTHERWISE SPECIFIED TOLERANCES SHALL BE: .XX = ± .03 AND .XXX = ± .015 ANGULAR TOLERANCES X = ± 2.

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

   A. DIMENSIONS AND CONFIGURATION: SEE FIGURES 1 AND 2 AND TABLE 1 AND 2.

   B. INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH SAE AS85049, FIGURE 4 OR 4A.

   C. COMPLETE ACCESSORY CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE FOLLOWER.

2. MATERIAL AND FINISH: SEE TABLE 3.

TABLE 3 – MATERIAL AND FINISH

FIGURE	MATERIAL	FINISH
1 & 2	ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049	A, 1/ N, 2/ W, X, Y, 2/ Z

1/ NOT FOR NAVY USE. RESTRICTED TO AIR FORCE SPACE APPLICATIONS ONLY.
2/ W AND Z FINISH IS NOT FOR USE IN SPACE APPLICATION. ALSO SEE SPECIFICATION NOTES.

QUALIFICATION: SEE SAE AS85049, CATEGORY 5.

APPLICATION: USED TO ADAPT SAE AS85049/140 AND SAE AS85049/141 SHRINK BOOTS.

PART OR IDENTIFYING NUMBER (PIN):

EXAMPLE FOR FIGURE 1:   M85049/   60 - 1   W   10

BASIC PART NUMBER

SPECIFICATION SHEET

FIGURE   1

FINISH (TABLE 3)

DASH NUMBER (TABLE 1)

	AEROSPACE STANDARD	SAE AS85049/60	REV. C
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