

REV. B

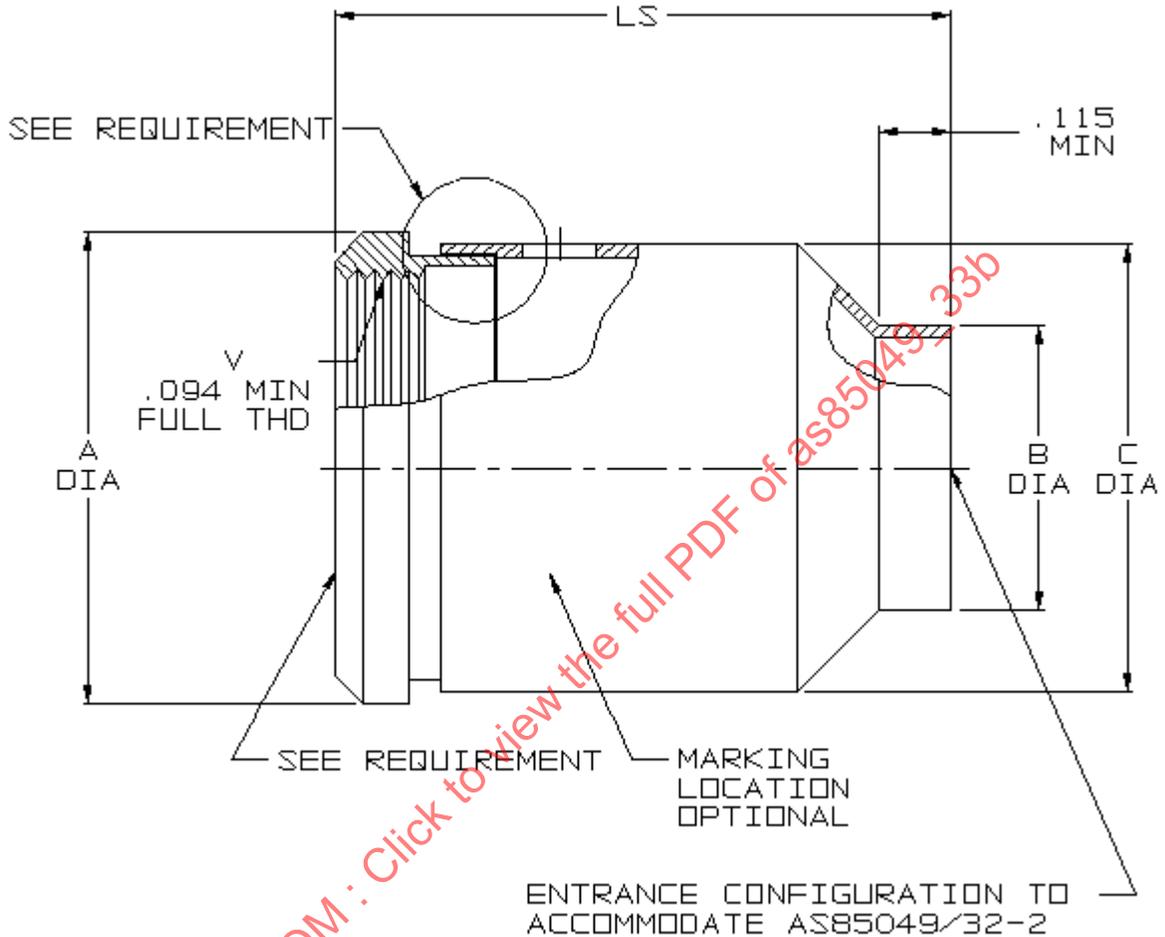
SAE AS85049/33

FEDERAL SUPPLY CLASS  
5935

RATIONALE

THIS REVISION IS REQUIRED TO INCORPORATE THE OUTSTANDING AMENDMENT, REVIEW FOR KNOWN TECHNICAL ISSUES AND UPDATE TO MEET SAE FORMAT GUIDELINES.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.



ADAPTER - 1

FIGURE 1 - DIMENSIONS AND CONFIGURATION (SEE TABLE 1)

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**  
(R) CONNECTOR ACCESSORIES, ELECTRICAL,  
BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SHIELDED  
TERMINATION, CATEGORY 3C  
(FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

**SAE AS85049/33**  
SHEET 1 OF 4

**REV. B**

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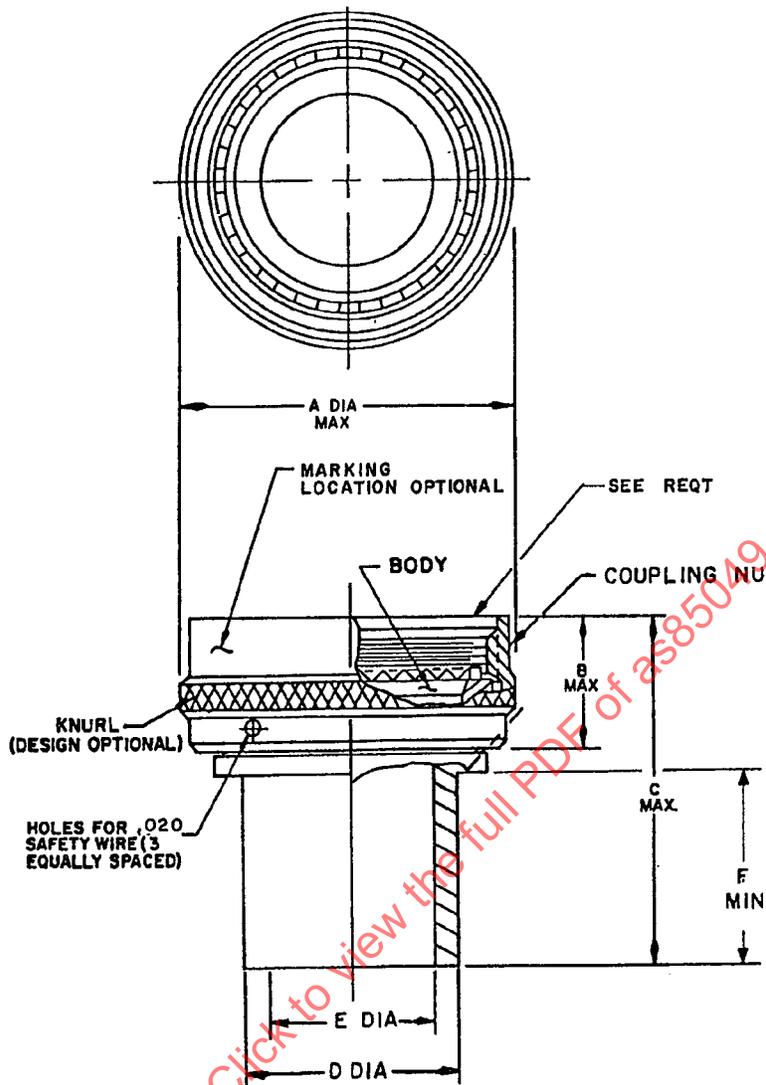
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ADAPTER - 2

FIGURE 2 - DIMENSIONS AND CONFIGURATION (SEE TABLE 2)

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 <p><b>SAE Aerospace</b> An SAE International Group</p>	<p><b>AEROSPACE STANDARD</b></p>	<p><b>SAE AS85049/33</b> SHEET 2 OF 4</p>	<p><b>REV.</b> <b>B</b></p>
	<p>(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, STRAIGHT, SHIELDED TERMINATION, CATEGORY 3C (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)</p>		

NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.
3. CRIMP TOOL SHALL BE THOMAS & BETTS INSTALLING HEAD CAT. NO. 13640 OR EQUIVALENT AND INSTALLING DIES.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURES 1 AND 2, AND TABLES 1 AND 2.

STRAIGHT ADAPTER (FIGURE 1) MAY BE OF TWO-PIECE CONSTRUCTION. METHOD OF JOINING IS OPTIONAL.

INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049, FIGURE 2.

THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE BODY. PARTS SUPPLIED TO FIGURE 2 SHALL CONSIST OF A COUPLING NUT AND BODY AS SHOWN, ALONG WITH THE APPROPRIATE AS85049/26-2 SHIELD CRIMP RING FROM TABLE 2.

MATERIAL AND FINISH SHALL BE AS SPECIFIED IN TABLE 3.

TABLE 1 - SHELL SIZE AND DIMENSIONS (FOR FIGURE 1)

ADAPTER SHELL SIZE	FITS CONNECTOR SHELL SIZE		A MAXIMUM DIAMETER	B MAXIMUM DIAMETER	C MAXIMUM DIAMETER	LS MAXIMUM	V THREAD UNEF CLASS 2B
	SERIES II	SERIES I					
8	8	9	.594 (15.09)	.359 (9.12)	.516 (13.11)	.844 (21.44)	.4375-28
10	10	11	.719 (18.26)	.406 (10.31)	.641 (16.28)	.969 (24.61)	.5625-24
12	12	13	.844 (21.44)	.500 (12.70)	.766 (19.46)	1.094 (27.79)	.6875-24
14	14	15	.969 (24.61)	.578 (14.68)	.891 (22.63)	1.156 (29.36)	.8125-20
16	16	17	1.094 (27.79)	.641 (16.28)	1.016 (25.81)	1.219 (30.96)	.9375-20
18	18	19	1.219 (30.96)	.688 (17.48)	1.141 (28.98)	1.344 (34.14)	1.0625-18
20	20	21	1.344 (34.14)	.734 (18.64)	1.265 (32.13)	1.469 (37.31)	1.1875-18
22	22	23	1.469 (37.31)	.796 (20.22)	1.391 (35.33)	1.594 (40.49)	1.3125-18
24	24	25	1.594 (40.49)	.859 (21.82)	1.516 (38.51)	1.719 (43.66)	1.4375-18

TABLE 2 - SHELL SIZE AND DIMENSIONS (FOR FIGURE 2)

DASH NO.	FITS CONNECTOR SHELL SIZE		A DIAMETER MAXIMUM	B MAXIMUM	C MAXIMUM	D DIAMETER ±.010	E ±.015	AS85049/26-2 RING, SHIELD CRIMP (REF) SEE REQUIREMENTS	F MINIMUM
	SERIES II	SERIES I							
08	8	9	.75 (19.05)	.54 (13.72)	1.14 (28.96)	.337 (8.56)	.250 (6.35)	-8	.285 (7.24)
10	10	11	.85 (21.59)	.54 (13.72)	1.14 (28.96)	.488 (12.40)	.325 (8.26)	-10	.475 (12.07)
12	12	13	1.00 (25.40)	.54 (13.72)	1.14 (28.96)	.500 (12.70)	.420 (10.67)	-12	.475 (12.07)
14	14	15	1.10 (27.94)	.54 (13.72)	1.14 (28.96)	.620 (15.75)	.540 (13.72)	-14	.475 (12.07)
16	16	17	1.25 (31.75)	.54 (13.72)	1.14 (28.96)	.750 (19.05)	.670 (17.02)	-16	.475 (12.07)
18	18	19	1.40 (35.56)	.54 (13.72)	1.14 (28.96)	.880 (22.35)	.789 (20.04)	-18	.475 (12.07)
20	20	21	1.50 (38.10)	.54 (13.72)	1.14 (28.96)	1.000 (25.40)	.914 (23.22)	-20	.475 (12.07)
22	22	23	1.65 (41.91)	.54 (13.72)	1.14 (28.96)	1.120 (28.45)	1.039 (26.39)	-22	.475 (12.07)
24	24	25	1.75 (44.45)	.54 (13.72)	1.14 (28.96)	1.192 (30.28)	1.112 (28.24)	-24	.475 (12.07)

TABLE 3 - MATERIAL AND FINISH

FIGURE	MATERIAL	FINISH
1	COPPER ALLOY	3/ TIN-LEAD SOLDER PLATED
2	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	1/ N, 2/ W, X, 2/ Z

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

	<b>AEROSPACE STANDARD</b>	<b>SAE AS85049/33</b> SHEET 3 OF 4	<b>REV. B</b>
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