

REV. B

SAE AS85049/32

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.

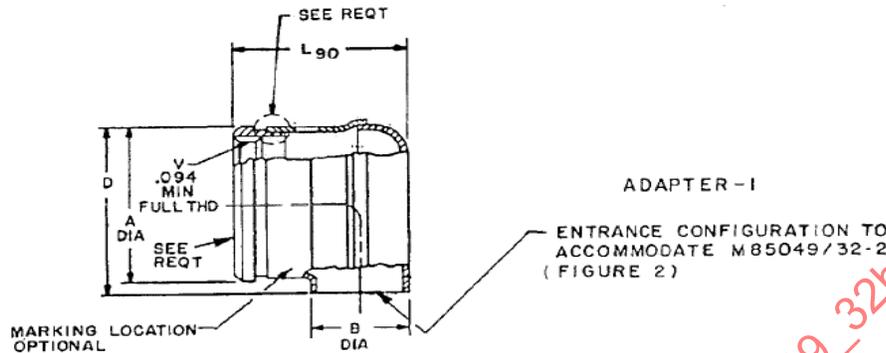


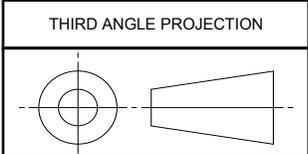
FIGURE 1 – DIMENSIONS AND CONFIGURATION – 90 DEGREE ADAPTER

TABLE 1 - DIMENSIONS

ADAPTER SHELL SIZE	FITS CONNECTOR SHELL SIZE		A MAXIMUM DIAMETER	B MAXIMUM DIAMETER	D MAXIMUM DIAMETER	L 90 MAXIMUM	V THREAD UNEF CLASS 2B
	SERIES II	SERIES I					
8	8	9	.594 (15.09)	.359 (9.12)	.656 (16.66)	.719 (18.26)	.4375-28
10	10	11	.719 (18.26)	.406 (10.31)	.781 (19.84)	.766 (19.46)	.5624-24
12	12	13	.844 (21.44)	.500 (12.70)	.938 (23.83)	.859 (21.82)	.6875-24
14	14	15	.969 (24.61)	.578 (14.68)	1.062 (26.97)	.938 (23.83)	.8125-20
16	16	17	1.094 (27.79)	.641 (16.28)	1.219 (30.96)	1.000 (25.40)	.9375-20
18	18	19	1.219 (30.96)	.688 (17.48)	1.344 (34.14)	1.047 (26.59)	1.0625-18
20	20	21	1.344 (34.14)	.734 (18.64)	1.469 (37.31)	1.094 (27.79)	1.1875-18
22	22	23	1.469 (37.31)	.796 (20.22)	1.594 (40.49)	1.156 (29.36)	1.3125-18
24	24	25	1.594 (40.49)	.859 (21.82)	1.719 (43.66)	1.219 (30.96)	1.4375-18

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
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AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, 90°, SHIELDED TERMINATION, CATEGORY 3C (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

SAE AS85049/32
SHEET 1 OF 4

REV. B

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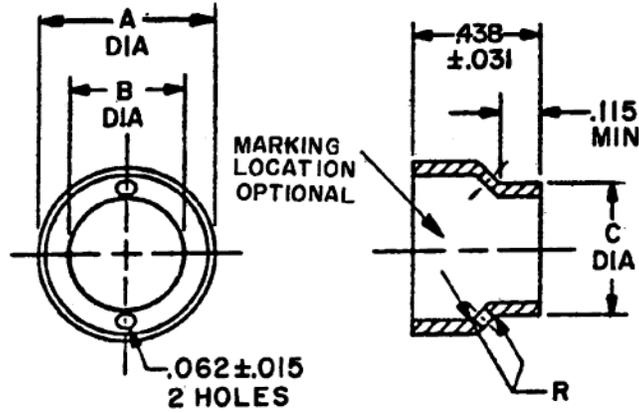
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ISSUED 2000-05 REVISED 2011-05



ADAPTER - 2

FIGURE 2 - DIMENSIONS AND CONFIGURATION - ADAPTER REDUCER

TABLE 2 - DIMENSIONS

FITS ADAPTER SHELL SIZE	DASH NUMBER	A +.001 -.005	B +.010 -.001	C MAX DIA	FITS ADAPTER SHELL SIZE	DASH NUMBER	A +.001 -.005	B +.010 -.001	C MAX DIA
8	-81	.291 (7.39)	.164 (4.17)	.219 (5.56)	18	-181	.616 (15.65)	.217 (5.51)	.266 (6.76)
	-82		.172 (4.37)	.234 (5.94)		-182		.290 (7.37)	.344 (8.74)
	-83		.188 (4.78)	.250 (6.35)		-183		.343 (8.71)	.391 (9.93)
						-184		.381 (9.68)	.430 (10.92)
						-185		.451 (11.46)	.500 (12.70)
10	-101	.346 (8.79)	.217 (5.51)	.266 (6.76)	20	-201	.664 (16.87)	.328 (8.33)	.375 (9.53)
						-202		.391 (9.93)	.453 (11.51)
						-203		.445 (11.30)	.500 (12.70)
						-204		.406 (10.31)	.469 (11.91)
						-205		.484 (12.29)	.531 (13.49)
12	-121	.441 (11.20)	.198 (5.03)	.250 (6.35)	22	-221	.738 (18.75)	.359 (9.12)	.406 (10.31)
	-122		.217 (5.51)	.266 (6.76)		-222		.438 (11.13)	.484 (12.29)
	-123		.280 (7.11)	.328 (8.33)		-223		.453 (11.51)	.500 (12.70)
	-124					-224		.469 (11.91)	.516 (13.11)
						-225		.562 (14.27)	.609 (15.47)
14	-141	.506 (12.85)	.217 (5.51)	.266 (6.76)	24	-241	.796 (20.22)	.594 (15.09)	.641 (16.28)
	-142		.290 (7.37)	.344 (8.74)					
	-143		.312 (7.92)	.359 (9.12)					
	-144		.343 (8.71)	.391 (9.93)					
	-145		.360 (9.14)	.406 (10.31)					
16	-161	.571 (14.50)	.217 (5.51)	.266 (6.76)					
	-162		.290 (7.37)	.344 (8.74)					
	-163		.343 (8.71)	.391 (9.93)					
	-164		.406 (10.31)	.453 (11.51)					
	-165		.328 (8.33)	.375 (9.53)					

REQUIREMENTS

DESIGN AND CONSTRUCTION:

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

ADAPTER REDUCER (FIGURE 2) IS USED WITH ADAPTER (FIGURE 1) OF AS85049/32 AND FIGURE 1 OF AS85049/33.

ADAPTER (FIGURE 1) MAY BE OF A THREE-PIECE CONSTRUCTION. METHOD OF JOINING IS OPTIONAL. INDIVIDUAL PIECES SHALL BE SHIPPED UNASSEMBLED.

MATERIAL AND FINISH: SEE TABLE 3.

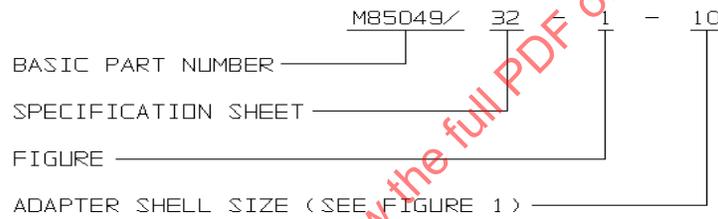
TABLE 3 - MATERIAL AND FINISH

FIGURE	MATERIAL	FINISH
1 AND 2	COPPER ALLOY	1/ TIN LEAD SOLDER PLATED

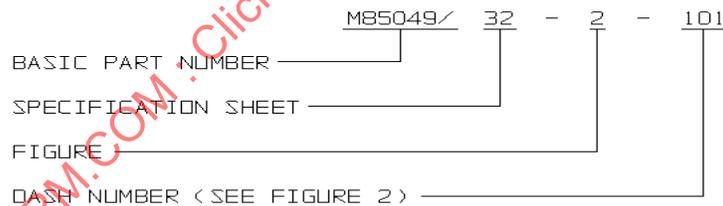
1/ NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE APPLICATION NOTE 1.

PART NUMBER: SEE EXAMPLE BELOW:

FOR FIGURE 1: SEE EXAMPLE:



FOR FIGURE 2: SEE EXAMPLE:



ASSEMBLY INSTRUCTIONS: ASSEMBLY INSTRUCTIONS SHALL BE PACKAGED WITH EACH ACCESSORY.

QUALIFICATION:

SEE AS85049, CATEGORY 3C, EXCLUDING LIFE CYCLING, COUPLING THREAD STRENGTH, CABLE PULLOUT, EXTERNAL BENDING MOMENT, SAFETY WIRE HOLES AND FLUID IMMERSION. ACCESSORIES TO BE SUBMITTED FOR QUALIFICATION IN ASSEMBLED CONDITION..

 <p>SAE Aerospace An SAE International Group</p>	<p>AEROSPACE STANDARD</p>	<p>SAE AS85049/32 SHEET 3 OF 4</p>	<p>REV. B</p>
	<p>(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, 90°, SHIELDED TERMINATION, CATEGORY 3C (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)</p>		