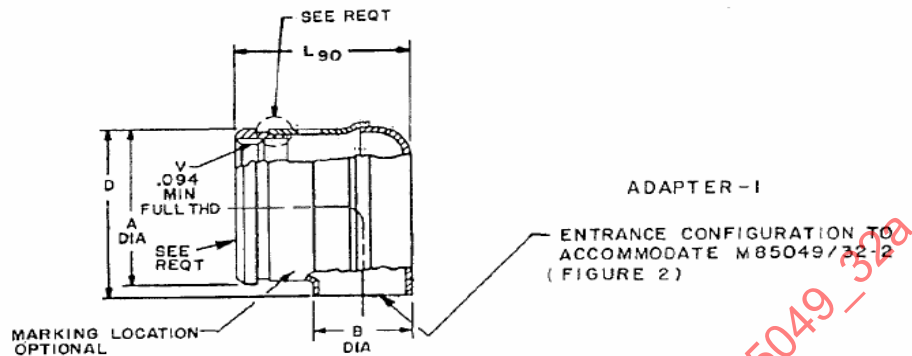


RATIONALE

FEDERAL SUPPLY CLASS
5935

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY USERS. UPDATED ALL REFERENCE SPECIFICATIONS. REMOVED GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD CONVERSION.

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



ADAPTER SHELL SIZE	FITS CONNECTOR SHELL SIZE		A DIA MAX	B DIA MAX	C DIA MAX	L 90 MAX
	SERIES II	SERIES I				
8	8	9	0.594	0.359	0.656	0.719
10	10	11	0.719	0.406	0.781	0.766
12	12	13	0.844	0.500	0.938	0.859
14	14	15	0.969	0.578	1.062	0.938
16	16	17	1.094	0.641	1.219	1.000
18	18	19	1.219	0.688	1.344	1.047
20	20	21	1.344	0.734	1.469	1.094
22	22	23	1.469	0.796	1.594	1.156
24	24	25	1.594	0.859	1.719	1.219

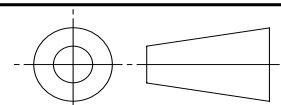
INCHES	mm
0.094	2.39
0.359	9.12
0.406	10.31
0.500	12.70
0.578	14.68
0.594	15.09
0.641	16.28
0.656	16.66
0.688	17.48
0.719	18.26
0.734	18.64
0.766	19.46
0.781	19.84
0.796	20.22
0.844	21.44
0.859	21.82
0.938	23.83
1.000	25.40
1.047	26.59
1.062	26.97
1.094	27.79
1.156	29.36
1.219	30.96
1.344	34.14
1.469	37.31
1.594	40.49
1.719	43.66

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS APPLY AFTER PLATING.
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.

FIGURE 1 - DIMENSIONS AND CONFIGURATION - 90° ADAPTER

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NONENVIRONMENTAL, 90°, SHIELDED TERMINATION, CATEGORY 7
(FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049/32
SHEET 1 OF 4

REV. A

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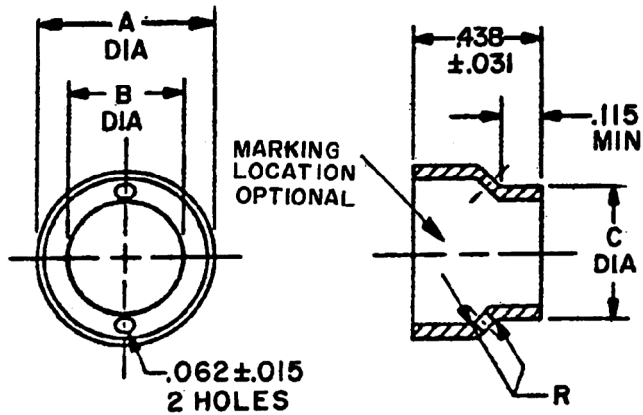
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ISSUED 2000-05 REVISED 2007-03



INCHES	mm	INCHES	mm
.001	.03	.506	12.80
.005	.13	.571	14.50
.031	.79	.616	15.65
.291	7.39	.664	16.87
.346	8.79	.738	18.75
.438	11.13	.796	20.22
.441	11.20		

ADAPTER - 2

Fits adapter shell size	Dash No	A +.001 -.005	B +.010 -.001	C Max Dia	Fits adapter shell size	Dash No	A +.001 -.005	B +.010 -.001	C Max Dia
8	-81	.291	.164	.219	18	-181	.616	.217	.266
	-82		.172	.234		-182		.290	.344
	-83		.188	.250		-183		.343	.391
						-184		.381	.430
						-185		.451	.500
10	-101	.346	.217	.266	20	-201	.664	.328	.375
						-202		.391	.453
						-203		.445	.500
						-204		.406	.469
						-205		.484	.531
12	-121	.441	.198	.250	22	-221	.738	.359	.406
	-122		.217	.266		-222		.438	.484
	-123		.280	.328		-223		.453	.500
	-124					-224		.469	.516
						-225		.562	.609
14	-141	.506	.217	.266	24	-241	.796	.594	.641
	-142		.290	.344					
	-143		.312	.359					
	-144		.343	.391					
	-145		.360	.406					
16	-146		.387	.438					
	-161	.571	.217	.266					
	-162		.290	.344					
	-163		.343	.391					
	-164		.406	.453					
	-165		.328	.375					

NOTES:

1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are given for general information only.

FIGURE 2 - DIMENSIONS AND CONFIGURATION - ADAPTER REDUCER

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURES 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 1.

TABLE 1 - MATERIAL AND FINISH

Figure	Material	Finish
1 and 2	Copper alloy	Tin-lead solder plated per QQ-S-571

PART NUMBER: SEE EXAMPLE BELOW:

FOR FIGURE 1: SEE EXAMPLE:

M85049/ 32 - 1 - 10

BASIC PART NUMBER _____

SPECIFICATION SHEET _____

FIGURE _____

ADAPTER SHELL SIZE (SEE FIGURE 1) _____

FOR FIGURE 2: SEE EXAMPLE:

M85049/ 32 - 2 - 101

BASIC PART NUMBER _____

SPECIFICATION SHEET _____

FIGURE _____

DASH NUMBER (SEE FIGURE 2) _____

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

QUALIFICATION:

SEE AS85049, CATEGORY 7.