

REV.  
A

AS85049/130

FEDERAL SUPPLY CLASS  
5935

RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY GOVERNMENT AND INDUSTRY. UPDATE SPECIFICATION REFERENCES.

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

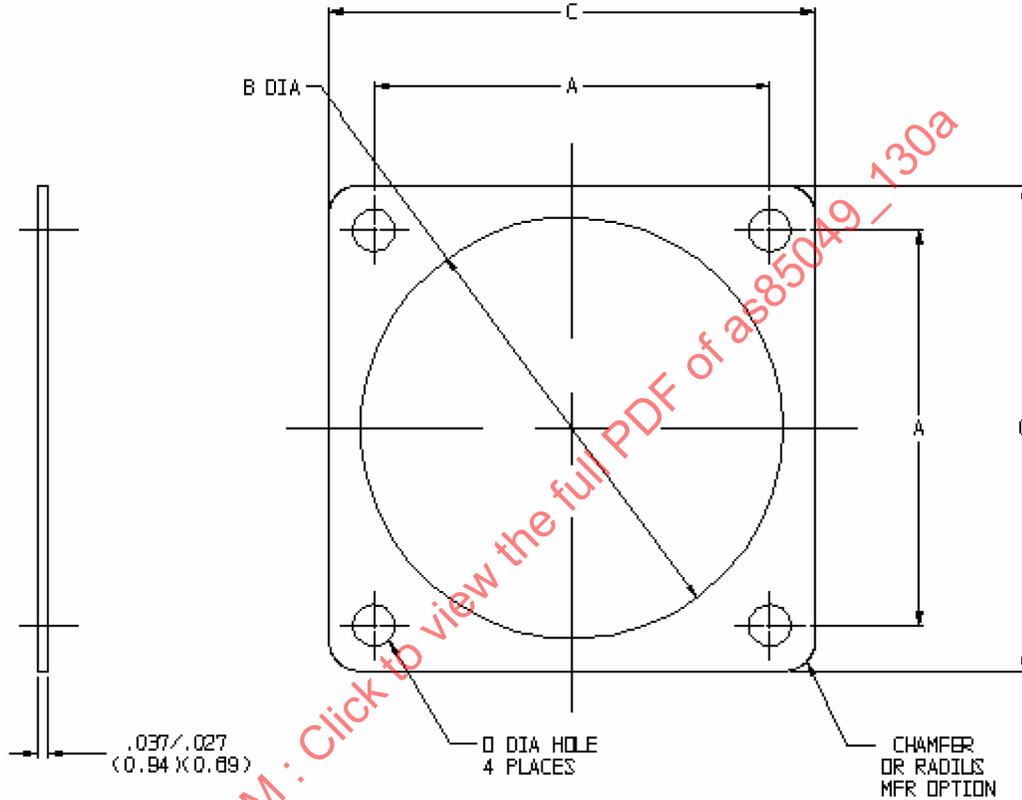
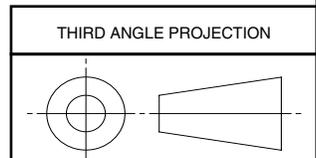


FIGURE 1 - CONFIGURATION



CUSTODIAN: SAE AE-8/AE-8C1

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

(R) CONNECTOR ACCESSORIES, ELECTRICAL  
GASKETING MATERIAL, CONDUCTIVE/  
NON-CONDUCTIVE, FLANGE MOUNT, CATEGORY 7

**AS85049/130**  
SHEET 1 OF 4

**REV. A**

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TABLE 1 - DIMENSIONS

DASH NUMBER	A ± .015	B + .020 - .000	C ± .015	D ± .010
01	.594 (15.09)	.568 (14.43)	.812 (20.62)	.125 (3.18)
02	.594 (15.09)	.500 (12.70)	.875 (22.23)	.156 (3.96)
03	.625 (15.88)	.603 (15.32)	.896 (22.76)	.125 (3.18)
04	.719 (18.26)	.680 (17.27)	.937 (23.80)	.125 (3.18)
05	.719 (18.26)	.625 (15.88)	1.000 (25.40)	.156 (3.96)
06	.750 (19.05)	.750 (19.05)	1.023 (25.98)	.125 (3.18)
07	.812 (20.62)	.875 (22.23)	1.060 (26.92)	.141 (3.58)
08	.812 (20.62)	.828 (21.03)	1.114 (28.30)	.125 (3.18)
09	.813 (20.65)	.750 (19.05)	1.094 (27.79)	.141 (3.58)
10	.843 (21.41)	.875 (22.23)	1.138 (28.91)	.125 (3.18)
11	.906 (23.01)	1.005 (25.53)	1.153 (29.29)	.125 (3.18)
12	.906 (23.01)	.938 (23.83)	1.125 (28.58)	.125 (3.18)
13	.906 (23.01)	.875 (22.23)	1.188 (30.18)	.156 (3.96)
14	.969 (24.61)	1.135 (28.83)	1.258 (31.95)	.156 (3.96)
15	.969 (24.61)	1.063 (27.00)	1.250 (31.75)	.125 (3.18)
16	.969 (24.61)	1.000 (25.40)	1.281 (32.54)	.156 (3.96)
17	1.015 (25.78)	1.125 (28.58)	1.383 (35.13)	.125 (3.18)
18	1.062 (26.97)	1.260 (32.00)	1.351 (34.32)	.156 (3.96)
19	1.062 (26.97)	1.189 (30.20)	1.343 (34.11)	.125 (3.18)
20	1.062 (26.97)	1.135 (28.83)	1.375 (34.92)	.156 (3.96)
21	1.140 (28.96)	1.312 (33.32)	1.508 (38.30)	.125 (3.18)
22	1.156 (29.36)	1.375 (34.47)	1.500 (38.10)	.141 (3.58)
23	1.156 (29.36)	1.312 (33.32)	1.467 (37.26)	.125 (3.18)
24	1.156 (29.36)	1.250 (31.75)	1.500 (38.10)	.177 (4.50)
25	1.187 (30.15)	1.266 (32.16)	1.458 (37.03)	.125 (3.18)
26	1.250 (31.75)	1.500 (38.10)	1.625 (41.28)	.141 (3.58)
27	1.250 (31.75)	1.437 (36.50)	1.562 (39.67)	.125 (3.18)
28	1.250 (31.75)	1.375 (34.92)	1.625 (41.28)	.177 (4.50)
29	1.281 (32.54)	1.500 (38.10)	1.718 (43.64)	.125 (3.18)
30	1.375 (34.92)	1.625 (41.28)	1.750 (44.45)	.177 (4.50)
31	1.375 (34.92)	1.563 (39.70)	1.703 (43.26)	.156 (3.96)
32	1.375 (34.92)	1.500 (38.10)	1.750 (44.45)	.203 (5.16)
33	1.392 (35.36)	1.625 (41.28)	1.818 (46.18)	.141 (3.58)
34	1.436 (36.47)	1.570 (39.88)	1.799 (45.69)	.125 (3.18)
35	1.500 (38.10)	1.750 (44.45)	1.875 (47.63)	.177 (4.50)
36	1.562 (39.67)	1.750 (44.45)	2.000 (50.80)	.203 (5.16)
37	1.568 (39.83)	1.875 (47.63)	2.138 (54.31)	.141 (3.58)
38	1.719 (43.66)	2.000 (50.80)	2.375 (60.33)	.177 (4.50)
39	1.734 (44.04)	2.062 (52.37)	2.328 (59.13)	.177 (4.50)
40	1.750 (44.45)	2.000 (50.80)	2.250 (57.15)	.219 (5.56)
41	1.906 (48.41)	2.250 (57.15)	2.625 (66.68)	.219 (5.56)
42	1.938 (49.23)	2.250 (57.15)	2.500 (63.50)	.219 (5.56)
43	2.188 (55.58)	2.500 (63.50)	2.750 (69.85)	.219 (5.56)
44	2.375 (60.33)	2.781 (70.64)	3.000 (76.20)	.219 (5.56)
45	2.406 (61.11)	2.750 (69.85)	3.125 (79.38)	.281 (7.14)
46	2.625 (66.68)	3.031 (76.99)	3.250 (82.55)	.219 (5.56)
47	2.656 (67.46)	3.000 (76.20)	3.375 (85.73)	.281 (7.14)
48	2.906 (73.81)	3.250 (82.55)	3.625 (92.08)	.281 (7.14)
49	3.156 (80.16)	3.500 (88.90)	3.875 (98.43)	.281 (7.14)

## NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS IN PARANTHESIS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4 MM = 1 INCH.
3. THE CHANGE BAR ( I ) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.

TABLE 2 - APPLICATION

DASH NO	MIL-DTL-38999				MIL-C-81511	MIL-DTL-5015	MIL-DTL-22992 CLASS C, J, R	MIL-DTL-22992 CLASS L	AS81703 SERIES 3	MIL-DTL-26482 SERIES I & II	MIL-DTL-83723 SERIES I & III	MIL-DTL-26500 NAS 1599	MIL-DTL-28840 PRF-28876
	SERIES I	SERIES II	SERIES III	SERIES IV									
01		8			8					8	8	8	
02						8S							
03								3					
04	9	10	A	9	10			7	10	10	10		
05						10S,10SL							
06													11
07	11	12	B	11					12	12	12	12	
08													
09						12, 12S							
10													13
11	13	14	C	13					14	14	14	14	
12					14			19					
13						14, 14S	12						
14	15	16	D	15					16	16	16	16	
15					16				27				
16						16, 16S	14						15
17													17
18	17	18	E	17					18	18	18	18	
19					18								
20						18	16						
21													19
22	19	20	F	19					20	20	20	20	
23					20								
24						20	18						
25									37				
26	21	22	G	21					22	22	22	22	
27					22								
28						22	20						
29													
30	23	24	H	23					24	24	24	24	23
31					24								
32						24	22						
33													25
34									61				
35	25		J	25									
36						28	24						
37													29
38								28					
39													33
40						32	28						
41								32					
42						36	32						
43						40	36						
44						44							
45								40					
46						48							
47								44					
48								48					
49								52					

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