FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISIED TO INCORPORATE THE AS85049/130A-A1 AMENDMENT. ALIGN SPECIFICATION WITH SAE GUIDELINES AND REVIEWED SPECIFICATION FOR KNOWN TECHNICAL ISSUES.

NOTICE

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

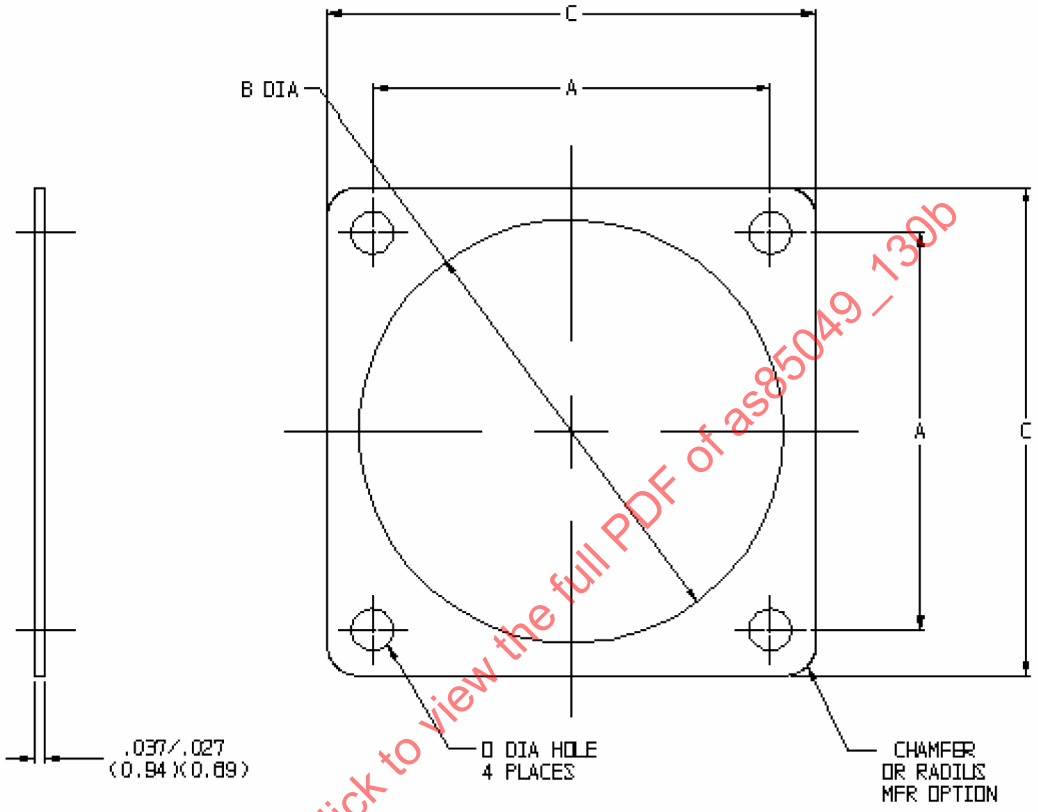
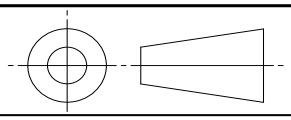


FIGURE 1 - CONFIGURATION

ISSUED 2004-03 REVISED 2011-01

THIRD ANGLE PROJECTION



SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS85049/130B

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT INFORMATION: AS85049

SAE Aerospace
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AEROSPACE STANDARD

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

TABLE 1 – FIGURE 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. UNLESS OTHERWISE SPECIFIED TOLERANCES SHALL BE: .XX = ± .03 AND .XXX = ± .015 ANGULAR TOLERANCES X = ± 2.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

1. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.

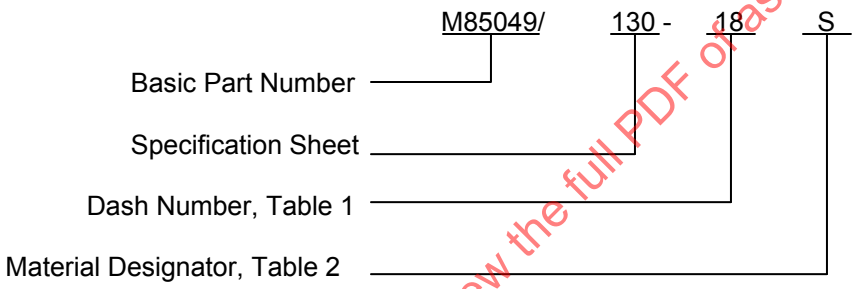
2. MATERIAL: SEE TABLE 2.

TABLE 2 – MATERIAL DESIGNATORS

MATERIAL DESIGNATOR	MATERIAL
M	CONDUCTIVE-SILVER PLATED ALUMINUM FILLED SILICONE, IAW MIL-DTL-83528, TYPE 'B', CAPABLE OF 100 dB AT 10 GHz. TEMPURATURE RANGE –55 to +160 °C
F	FLOUROSILICONE IAW SAE AMS-R-25988 OR MIL-DTL-25988
C	CONDUCTIVE-SILICONE WITH ALUMINUM OR MONEL MESH, CAPABLE OF 80 dB AT 100 MHz. TEMPERATURE RANGE –57 to +260 °C
N	NEOPRENE IAW SAE AMS 3208
S	SILICONE IAW AA-59588
V	VITON IAW AMS 7276, AMS 7259, AMS 3216 or AMS3218

PART OR IDENTIFYING NUMBER (PIN):

EXAMPLE:



QUALIFICATION:

1. SEE SAE AS85049, CATEGORY 7.

APPLICATION NOTES:

1. GASKET USED WITH CONNECTOR AND ASSOCIATED SHELL SIZE PER TABLE 3.