

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
C

AS85049™/138

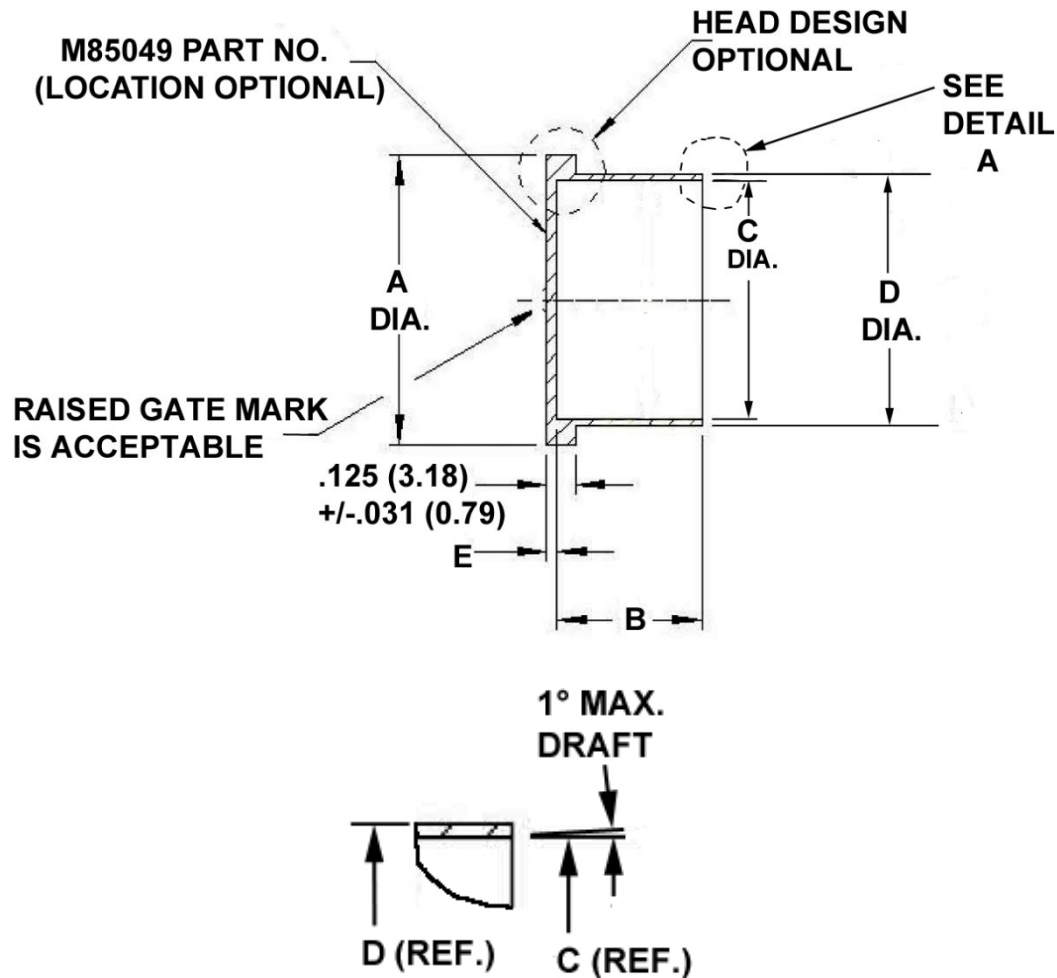
FEDERAL SUPPLY CLASS
5340

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO CORRECT THE DOCUMENT FEDERAL SUPPLY CLASS (FSC) NUMBER; IT SHOULD BE 5340 RATHER THAN 5935.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

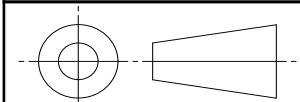


DETAIL A

FIGURE 1 - ACCESSORY DIMENSIONS AND CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/138C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES,
ELECTRICAL, CAP, DUST,
PLASTIC, CATEGORY 9

AS85049™/138
SHEET 1 OF 6

REV.
C

Copyright © 2021 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 - FIGURE 1 DIMENSIONS

DASH NUMBER	STANDARD COLOR	A ±.031 (0.79) DIA	B ±.031 (0.79) DIM	C ±.010 (0.25) DIA	D ±.010 (0.25) DIA	E ±.010 (0.25) DIM	SUPERSEDES AS90376-
08	RED	.430 (10.92)	.500 (12.70)	.245 (6.22)	.305 (7.75)	.035 (0.89)	-
10	RED	.500 (12.70)	.500 (12.70)	.305 (7.75)	.365 (9.27)	.035 (0.89)	-
11	RED	.585 (14.86)	.500 (12.70)	.345 (8.76)	.405 (10.29)	.035 (0.89)	-
12	YELLOW	.620 (15.75)	.500 (12.70)	.368 (9.35)	.438 (11.13)	.035 (0.89)	-
14	YELLOW	.670 (17.02)	.625 (15.88)	.413 (10.49)	.483 (12.27)	.040 (1.02)	8Y
15	YELLOW	.682 (17.32)	.625 (15.88)	.442 (11.23)	.502 (12.75)	.040 (1.02)	-
16	RED	.740 (18.80)	.500 (12.70)	.480 (12.19)	.540 (13.72)	.040 (1.02)	8R
18	YELLOW	.750 (19.05)	.625 (15.88)	.530 (13.46)	.595 (15.11)	.040 (1.02)	10Y
19	YELLOW	.810 (20.57)	.625 (15.88)	.570 (14.48)	.630 (16.00)	.040 (1.02)	-
20	RED	.840 (21.34)	.500 (12.70)	.605 (15.37)	.665 (16.89)	.040 (1.02)	10R
22	YELLOW	.860 (21.84)	.625 (15.88)	.655 (16.64)	.715 (18.16)	.040 (1.02)	12Y
24	RED	.970 (24.64)	.500 (12.70)	.720 (18.29)	.775 (19.69)	.040 (1.02)	12R
26	YELLOW	1.031 (26.19)	.625 (15.88)	.785 (19.94)	.845 (21.46)	.045 (1.14)	14Y
27	RED	1.050 (26.67)	.500 (12.70)	.810 (20.57)	.870 (22.10)	.045 (1.14)	-
28	RED	1.125 (28.58)	.500 (12.70)	.850 (21.59)	.905 (22.99)	.045 (1.14)	14R
29	YELLOW	1.125 (28.58)	.625 (15.88)	.893 (22.68)	.963 (24.46)	.045 (1.14)	16Y
30	YELLOW	1.160 (29.46)	.625 (15.88)	.910 (23.11)	.980 (24.89)	.045 (1.14)	-
31	RED	1.180 (29.97)	.500 (12.70)	.930 (23.62)	1.000 (25.40)	.045 (1.14)	-
33	RED	1.220 (30.99)	.500 (12.70)	.973 (24.71)	1.035 (26.29)	.045 (1.14)	16R
34	YELLOW	1.250 (31.75)	.625 (15.88)	1.028 (26.11)	1.088 (27.64)	.045 (1.14)	18Y
35	RED	1.312 (33.32)	.500 (12.70)	1.062 (26.97)	1.132 (28.75)	.045 (1.14)	-
36	RED	1.330 (33.78)	.562 (14.27)	1.093 (27.76)	1.155 (29.34)	.045 (1.14)	18R
37	YELLOW	1.375 (34.93)	.625 (15.88)	1.120 (28.45)	1.190 (30.23)	.045 (1.14)	-
38	YELLOW	1.406 (35.71)	.625 (15.88)	1.150 (29.21)	1.215 (30.86)	.050 (1.27)	20Y
39	RED	1.438 (36.53)	.562 (14.27)	1.180 (29.97)	1.250 (31.75)	.050 (1.27)	-
40	YELLOW	1.450 (36.83)	.625 (15.88)	1.200 (30.48)	1.270 (32.26)	.050 (1.27)	-
41	RED	1.465 (37.21)	.562 (14.27)	1.231 (31.27)	1.301 (33.05)	.050 (1.27)	20R
42	YELLOW	1.500 (38.10)	.625 (15.88)	1.270 (32.26)	1.340 (34.04)	.050 (1.27)	22Y
43	YELLOW	1.547 (39.29)	.625 (15.88)	1.297 (32.94)	1.367 (34.72)	.050 (1.27)	-
44	RED	1.570 (39.88)	.562 (14.27)	1.320 (33.53)	1.390 (35.31)	.050 (1.27)	-
45	RED	1.590 (40.39)	.562 (14.27)	1.340 (34.04)	1.410 (35.81)	.050 (1.27)	22R
46	YELLOW	1.610 (40.89)	.625 (15.88)	1.360 (34.54)	1.430 (36.32)	.050 (1.27)	-
47	YELLOW	1.640 (41.66)	.625 (15.88)	1.390 (35.31)	1.460 (37.08)	.050 (1.27)	24Y
48	RED	1.665 (42.29)	.562 (14.27)	1.415 (35.94)	1.485 (37.72)	.050 (1.27)	-
49	YELLOW	1.700 (43.18)	.625 (15.88)	1.450 (36.83)	1.520 (38.61)	.050 (1.27)	-
50	RED	1.700 (43.18)	.562 (14.27)	1.463 (37.16)	1.533 (38.94)	.050 (1.27)	24R
50A	YELLOW	1.755 (44.58)	.625 (15.88)	1.505 (38.23)	1.575 (40.00)	.050 (1.27)	-
51	YELLOW	1.810 (45.97)	.625 (15.88)	1.540 (39.12)	1.610 (40.89)	.050 (1.27)	25Y
52	RED	1.820 (46.23)	.562 (14.27)	1.570 (39.88)	1.640 (41.66)	.050 (1.27)	-
53	RED	1.850 (46.99)	.562 (14.27)	1.600 (40.64)	1.670 (42.42)	.055 (1.40)	-
55	YELLOW	1.875 (47.63)	.625 (15.88)	1.648 (41.86)	1.718 (43.64)	.055 (1.40)	28Y
57	RED	1.950 (49.53)	.562 (14.27)	1.715 (43.56)	1.790 (45.47)	.055 (1.40)	28R
58	YELLOW	1.988 (50.49)	.625 (15.88)	1.753 (44.53)	1.828 (46.43)	.055 (1.40)	-
60	RED	2.020 (51.31)	.562 (14.27)	1.770 (44.96)	1.840 (46.74)	.055 (1.40)	-
61	RED	2.064 (52.43)	.625 (15.88)	1.824 (46.33)	1.904 (48.36)	.055 (1.40)	-
63	YELLOW	2.125 (53.98)	.625 (15.88)	1.890 (48.01)	1.970 (50.04)	.055 (1.40)	32Y
65	RED	2.220 (56.39)	.562 (14.27)	1.965 (49.91)	2.040 (51.82)	.055 (1.40)	32R
66	RED	2.317 (58.85)	.625 (15.88)	2.087 (53.01)	2.157 (54.79)	.055 (1.40)	-
71	YELLOW	2.340 (59.44)	.625 (15.88)	2.140 (54.36)	2.210 (56.13)	.055 (1.40)	36Y
74	RED	2.435 (61.85)	.600 (15.24)	2.215 (56.26)	2.290 (58.17)	.055 (1.40)	36R
75	YELLOW	2.500 (63.50)	.600 (15.24)	2.280 (57.91)	2.355 (59.82)	.055 (1.40)	-
76	RED	2.547 (64.69)	.625 (15.88)	2.332 (59.23)	2.402 (61.01)	.060 (1.52)	-
77	YELLOW	2.600 (66.04)	.625 (15.88)	2.380 (60.45)	2.450 (62.23)	.060 (1.52)	40Y
81	RED	2.660 (67.56)	.600 (15.24)	2.440 (61.98)	2.530 (64.26)	.060 (1.52)	40R
87	YELLOW	2.875 (73.03)	.625 (15.88)	2.630 (66.80)	2.700 (68.58)	.060 (1.52)	44Y
90	RED	2.960 (75.18)	.600 (15.24)	2.720 (69.09)	2.812 (71.42)	.060 (1.52)	44R
96	YELLOW	3.125 (79.38)	.625 (15.88)	2.880 (73.15)	2.950 (74.93)	.060 (1.52)	48Y
98	RED	3.225 (81.92)	.600 (15.24)	2.960 (75.18)	3.050 (77.47)	.060 (1.52)	48R



AEROSPACE STANDARD

CONNECTOR ACCESSORIES,
ELECTRICAL, CAP, DUST,
PLASTIC, CATEGORY 9

AS85049™/138
SHEET 2 OF 6

REV.



Documents

Document Sharing Hub