

REV.  
C

AS85049/4

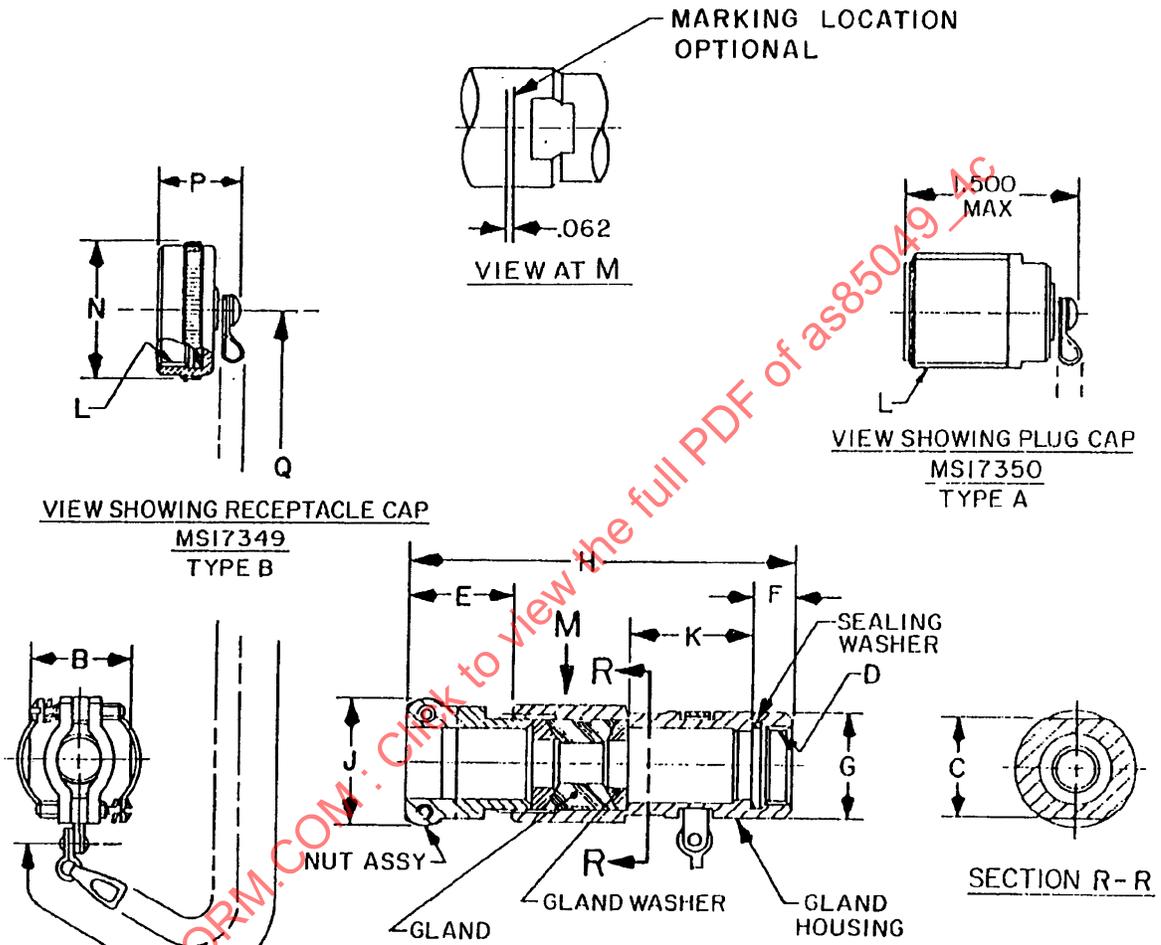
RATIONALE

REVISION IS REQUIRED TO CORRECT THE MINIMUM CABLE RANGE DIMENSION FOR SIZE # 13 IN TABLE 2, PAGE 5, IT IS INCORRECTLY LISTED AS 2.200 (55.88) AND SHOULD BE 2.000 (50.80).

NOTICE

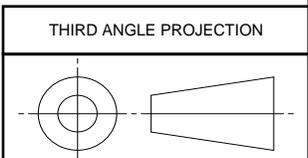
THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

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CONFIGURATION A - STYLE 1 CABLE SEALING  
**FIGURE 1A - CONFIGURATIONS AND DIMENSIONS**

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CUSTODIAN: AE-8/AE-8C1      PROCUREMENT SPECIFICATION: AS85049

	<b>AEROSPACE STANDARD</b> CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A (FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)	<b>AS85049/4</b> SHEET 1 OF 11	<b>REV. C</b>
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ISSUED 2000-04      REVISED 2015-02

CONFIGURATION A - STYLE 1 CABLE SEALING (CONTINUED)

TABLE 1 - FIGURE 1A CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE NOTE 5)		B +.000 -.010	C +.000 -.010	D THREAD CLASS 2B-LH	E FREE LENGTH MAX	F +.016	G DIA +.010 -.020
		MAX	MIN						
1	12	.530 (13.46)	.436 (11.07)	1.000 (25.40)	.812 (20.62)	.750-20 UNEF	1.062 (26.97)	.479 (12.17)	.938 (23.83)
2	12	.500 (12.70)	.406 (10.31)	.875 (22.23)	.938 (23.83)	.750-20 UNEF	.969 (24.61)	.479 (12.17)	.938 (23.83)
3	12	.405 (10.29)	.311 (7.90)	1.000 (25.40)	.812 (20.62)	.750-20 UNEF	1.062 (26.97)	.479 (12.17)	.938 (23.83)
4	14	.605 (15.37)	.511 (12.98)	1.000 (25.40)	1.062 (26.97)	.875-20 UNEF	1.062 (26.97)	.479 (12.17)	1.062 (26.97)
5	14	.625 (15.88)	.531 (13.49)	1.062 (26.97)	1.125 (28.58)	.875-20 UNEF	1.062 (26.97)	.479 (12.17)	1.062 (26.97)
6	14	.530 (13.46)	.436 (11.07)	1.000 (25.40)	1.062 (26.97)	.875-20 UNEF	1.062 (26.97)	.479 (12.17)	1.062 (26.97)
7	14	.405 (10.29)	.311 (7.90)	1.000 (25.40)	1.062 (26.97)	.875-20 UNEF	1.062 (26.97)	.479 (12.17)	1.062 (26.97)
8	18	.828 (21.03)	.715 (18.16)	1.188 (30.18)	1.250 (31.75)	1.125-18 UNEF	1.094 (27.79)	.479 (12.17)	1.312 (33.32)
9	20	.750 (19.05)	.637 (16.18)	1.312 (33.32)	1.375 (34.93)	1.250-18 UNEF	1.094 (27.79)	.479 (12.17)	1.438 (36.53)
10	20	1.000 (25.40)	.875 (22.23)	1.546 (39.27)	1.375 (34.93)	1.250-18 UNEF	1.281 (32.54)	.479 (12.17)	1.438 (36.53)
11	20	.900 (22.86)	.787 (19.99)	1.312 (33.32)	1.375 (34.93)	1.250-18 UNEF	1.094 (27.79)	.479 (12.17)	1.438 (36.53)
12	20	1.055 (26.80)	.930 (23.62)	1.546 (39.27)	1.375 (34.93)	1.250-18 UNEF	1.281 (32.54)	.479 (12.17)	1.438 (36.53)
13	22	1.000 (25.40)	.875 (22.23)	1.546 (39.27)	1.625 (41.28)	1.375-18 UNEF	1.281 (32.54)	.479 (12.17)	1.562 (39.67)
14	22	1.109 (28.17)	.984 (24.99)	1.546 (39.27)	1.625 (41.28)	1.375-18 UNEF	1.281 (32.54)	.479 (12.17)	1.562 (39.67)

CONFIGURATION A - STYLE 1 CABLE SEALING (CONTINUED)

TABLE 1 - FIGURE 1A CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	H MAX	J ±.031	K +.015 -.025	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK
1	12	4.275 (108.59)	1.375 (34.93)	1.219 (30.96)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
2	12	3.678 (93.42)	1.125 (28.58)	.871 (22.12)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
3	12	4.275 (108.59)	1.375 (34.93)	1.219 (30.96)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
4	14	4.177 (106.10)	1.375 (34.93)	1.121 (28.47)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
5	14	4.489 (114.02)	1.562 (39.67)	1.371 (34.82)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
6	14	4.177 (106.10)	1.375 (34.93)	1.121 (28.47)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
7	14	4.177 (106.10)	1.375 (34.93)	1.121 (28.47)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
8	18	4.584 (116.43)	1.688 (42.88)	1.343 (34.11)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
9	20	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
10	20	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
11	20	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
12	20	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
13	22	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
14	22	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)



**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,  
CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A  
(FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)

**AS85049/4**  
SHEET 2 OF 11

**REV. C**

CONFIGURATION A - STYLE 1 CABLE SEALING (CONTINUED)

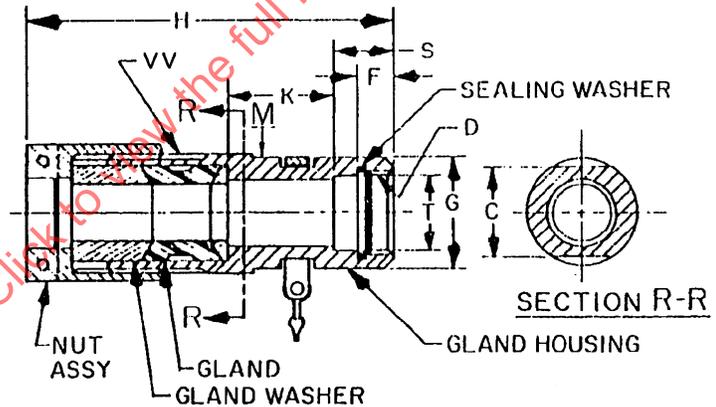
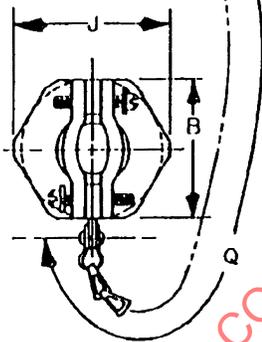
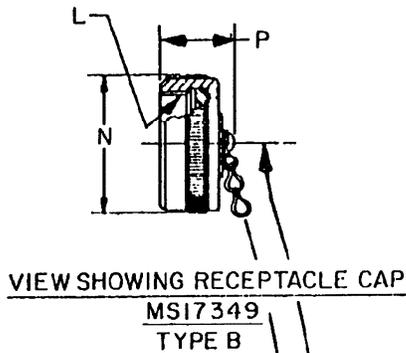
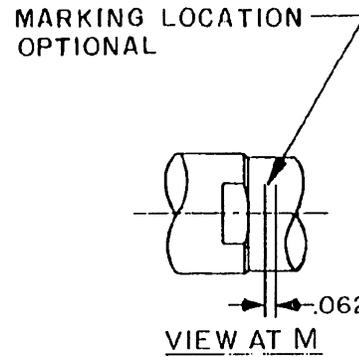
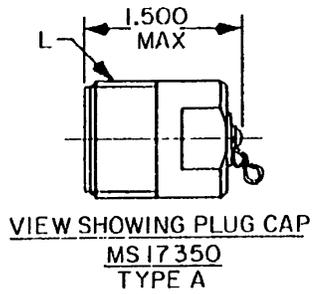
TABLE 1 - FIGURE 1A CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE NOTE 5)		B +.000 -.010	C +.000 -.010	D THREAD CLASS 2B-LH	E FREE LENGTH MAX	F +.016	G DIA +.010 -.020
		MAX	MIN						
15	24	1.180 (29.97)	1.055 (26.80)	1.780 (45.21)	1.875 (47.63)	1.625-18 UNEF	1.281 (32.54)	.479 (12.17)	1.812 (46.02)
16	24	1.310 (33.27)	1.185 (30.10)	1.780 (45.21)	1.875 (47.63)	1.625-18 UNEF	1.281 (32.54)	.479 (12.17)	1.812 (46.02)
17	24	1.230 (31.24)	1.105 (28.07)	1.780 (45.21)	1.875 (47.63)	1.625-18 UNEF	1.281 (32.54)	.479 (12.17)	1.812 (46.02)
18	24	1.375 (34.93)	1.250 (31.75)	2.000 (50.80)	1.875 (47.63)	1.625-18 UNEF	1.281 (32.54)	.479 (12.17)	1.812 (46.02)
19	28	1.445 (36.70)	1.320 (33.53)	2.000 (50.80)	2.062 (52.37)	1.875-16 UN	1.281 (32.54)	.479 (12.17)	2.062 (52.37)
20	28	1.531 (38.89)	1.406 (35.71)	2.000 (50.80)	2.062 (52.37)	1.875-16 UN	1.281 (32.54)	.479 (12.17)	2.062 (52.37)
21	28	1.375 (34.93)	1.250 (31.75)	2.000 (50.80)	2.062 (52.37)	1.875-16 UN	1.281 (32.54)	.479 (12.17)	2.062 (52.37)
22	32	1.656 (42.06)	1.531 (38.89)	2.250 (57.15)	2.312 (58.72)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
23	32	1.828 (46.43)	1.700 (43.18)	2.438 (61.93)	2.312 (58.72)	2.062-16 UNS	1.391 (35.33)	.479 (12.17)	2.312 (58.72)
24	32	1.562 (39.67)	1.437 (36.50)	2.250 (57.15)	2.312 (58.72)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
25	32	1.730 (43.94)	1.605 (40.77)	2.438 (61.93)	2.312 (58.72)	2.062-16 UNS	1.391 (35.33)	.479 (12.17)	2.312 (58.72)
26	36	1.900 (48.26)	1.775 (45.09)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	1.391 (35.33)	.479 (12.17)	2.562 (65.07)
27	36	1.730 (43.94)	1.605 (40.77)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	1.391 (35.33)	.479 (12.17)	2.562 (65.07)
28	36	1.825 (46.36)	1.700 (43.18)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	1.391 (35.33)	.479 (12.17)	2.562 (65.07)
29	36	1.984 (50.39)	1.859 (47.22)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	1.391 (35.33)	.479 (12.17)	2.562 (65.07)
30	36	2.062 (52.37)	1.917 (48.69)	2.750 (69.85)	2.500 (63.50)	2.312-16 UNS	1.391 (35.33)	.479 (12.17)	2.562 (65.07)
31	40	2.375 (60.33)	2.230 (56.64)	3.000 (76.20)	2.812 (71.42)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
32	40	2.250 (57.15)	2.105 (53.47)	2.875 (73.03)	2.625 (66.68)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
33	40	2.145 (54.48)	2.000 (50.80)	2.750 (69.85)	2.625 (66.68)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
34	40	2.062 (52.37)	1.917 (48.69)	2.750 (69.85)	2.625 (66.68)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
35	44	2.328 (59.13)	2.183 (55.45)	2.875 (73.03)	2.750 (69.85)	2.875-16 UN	1.382 (35.10)	.667 (16.94)	3.125 (79.38)

CONFIGURATION A - STYLE 1 CABLE SEALING (CONTINUED)

TABLE 1 - FIGURE 1A CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	H MAX	J ±.031	K +.015 -.025	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK
15	24	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
16	24	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
17	24	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
18	24	4.959 (125.96)	2.625 (66.68)	1.309 (33.25)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
19	28	5.021 (127.53)	2.625 (66.68)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
20	28	5.021 (127.53)	2.625 (66.68)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
21	28	5.021 (127.53)	2.625 (66.68)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
22	32	5.083 (129.11)	2.953 (75.01)	1.370 (34.80)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
23	32	5.385 (136.78)	3.171 (80.54)	1.375 (34.93)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
24	32	5.083 (129.11)	2.953 (75.01)	1.370 (34.80)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
25	32	5.385 (136.78)	3.171 (80.54)	1.375 (34.93)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
26	36	5.354 (135.99)	3.171 (80.54)	1.344 (34.14)	2.250-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
27	36	5.354 (135.99)	3.171 (80.54)	1.344 (34.14)	2.250-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
28	36	5.354 (135.99)	3.171 (80.54)	1.344 (34.14)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
29	36	5.354 (135.99)	3.171 (80.54)	1.344 (34.14)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
30	36	5.385 (136.78)	3.375 (85.73)	1.375 (34.93)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
31	40	5.682 (144.32)	3.625 (92.08)	1.421 (36.09)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
32	40	5.682 (144.32)	3.500 (88.90)	1.421 (36.09)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
33	40	5.620 (142.75)	3.375 (85.73)	1.422 (36.12)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
34	40	5.620 (142.75)	3.375 (85.73)	1.422 (36.12)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
35	44	6.471 (164.36)	3.531 (89.69)	2.218 (56.34)	3.000-0.1P-0.2L-DS	3.217 (81.71)	.980 (24.89)	6.00 (152.40)



CONFIGURATION B - STYLE 2 CABLE SEALING

FIGURE 1B - CONFIGURATIONS AND DIMENSIONS



**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,  
CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A  
(FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)

**AS85049/4**  
SHEET 4 OF 11

**REV.**  
**C**

CONFIGURATION B - STYLE 2 CABLE SEALING (CONTINUED)

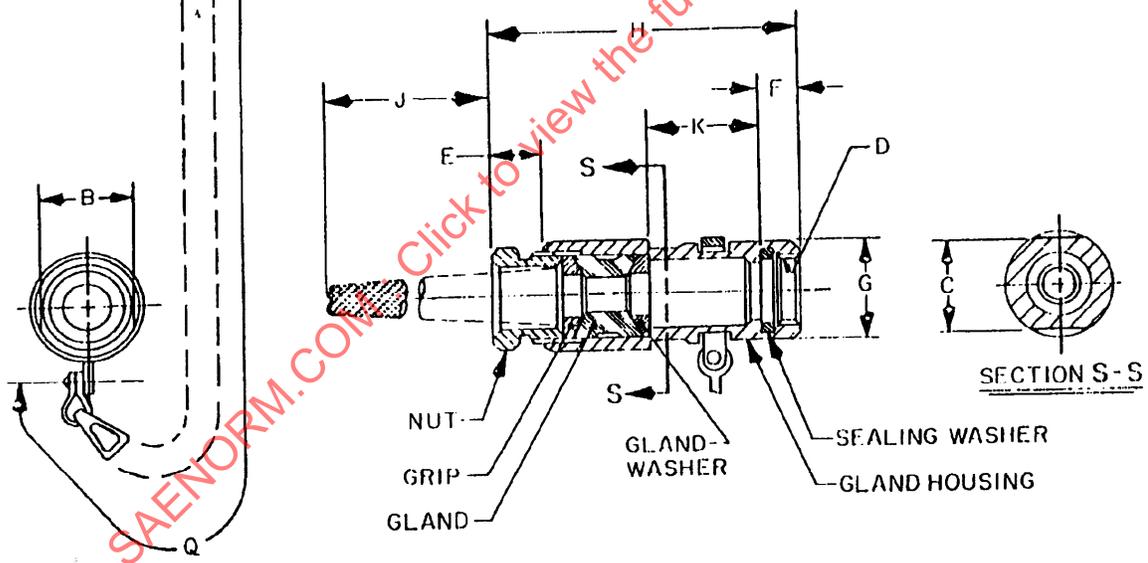
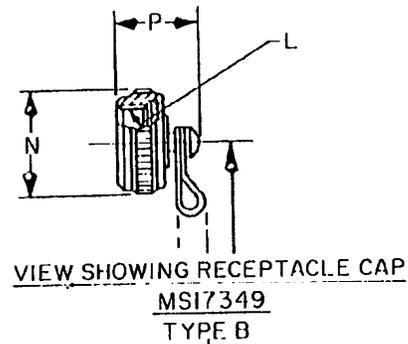
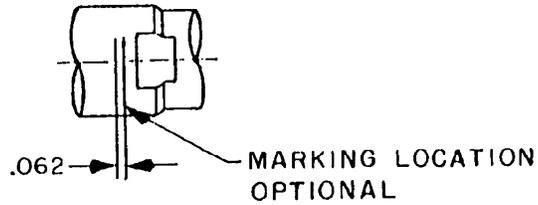
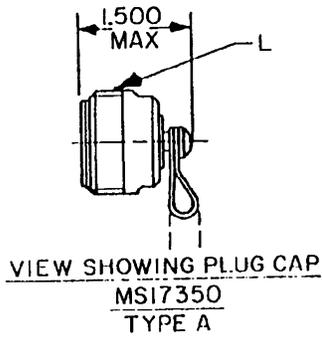
TABLE 2 - FIGURE 1B CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE NOTE 5)		B ± .005	C +.000 -.010	D THREAD CLASS 2B-LH	F +.016	G DIA +.010 -.020	H MAX	J MAX
		MAX	MIN							
1	12	.521 (13.23)	.321 (8.15)	1.219 (30.96)	.938 (23.83)	.750-20 UNEF	.479 (12.17)	.938 (23.83)	4.000 (101.60)	1.320 (33.53)
2	14	.646 (16.41)	.446 (11.33)	1.344 (34.14)	1.062 (26.97)	.875-20 UNEF	.479 (12.17)	1.062 (26.97)	4.100 (104.14)	1.420 (36.07)
3	16	.765 (19.43)	.565 (14.35)	1.469 (37.31)	1.188 (30.18)	1.000-20 UNEF	.479 (12.17)	1.188 (30.18)	4.800 (121.92)	1.600 (40.64)
4	18	.890 (22.61)	.690 (17.53)	1.625 (41.28)	1.312 (33.32)	1.125-18 UNEF	.479 (12.17)	1.312 (33.32)	4.900 (124.46)	1.750 (44.45)
5	20	1.015 (25.78)	.815 (20.70)	1.750 (44.45)	1.438 (36.53)	1.250-18 UNEF	.479 (12.17)	1.438 (36.53)	4.900 (124.46)	1.900 (48.26)
6	22	1.180 (29.97)	.980 (24.89)	2.000 (50.80)	1.562 (39.67)	1.375-18 UNEF	.479 (12.17)	1.562 (39.67)	4.900 (124.46)	2.190 (55.63)
7	24	1.430 (36.32)	1.230 (31.24)	2.250 (57.15)	1.812 (46.02)	1.625-18 UNEF	.479 (12.17)	1.812 (46.02)	5.000 (127.00)	2.475 (62.87)
8	24	1.230 (31.24)	1.030 (26.16)	2.250 (57.15)	1.812 (46.02)	1.625-18 UNEF	.479 (12.17)	1.812 (46.02)	5.000 (127.00)	2.475 (62.87)
9	28	1.670 (42.42)	1.430 (36.32)	2.500 (63.50)	2.062 (52.37)	1.875-18 UN	.479 (12.17)	2.062 (52.37)	5.300 (134.62)	2.715 (68.96)
10	32	1.860 (47.24)	1.660 (22.23)	2.750 (69.85)	2.312 (58.72)	2.062-16 UN	.479 (12.17)	2.312 (58.72)	5.600 (142.24)	2.900 (73.66)
11	36	2.110 (53.59)	1.860 (47.24)	3.062 (77.77)	2.562 (65.07)	2.312-16 UN	.479 (12.17)	2.562 (65.07)	5.725 (145.42)	3.250 (82.55)
12	40	2.400 (60.96)	2.200 (55.88)	3.437 (87.30)	2.875 (73.03)	2.625-16 UN	.667 (16.94)	2.875 (73.03)	5.725 (145.42)	3.625 (92.08)
13	40	2.200 (55.88)	2.000 (50.80)	3.437 (87.30)	2.875 (73.03)	2.625-16 UN	.667 (16.94)	2.875 (73.03)	5.725 (145.42)	3.625 (92.08)

CONFIGURATION B - STYLE 2 CABLE SEALING (CONTINUED)

TABLE 2 - FIGURE 1B CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	K ± .010	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK	S ± .010	T DIA ± .005	W GLAND THREADS CLASS 2-LH
1	12	.950 (24.13)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)	1.425 (36.20)	.600 (15.24)	1.062-18 UNEF
2	14	1.075 (27.31)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)	1.425 (36.20)	.726 (18.44)	1.187-18 UNEF
3	16	1.200 (30.48)	1.125-0.1P-0.2L-DS	1.344 (34.14)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	.845 (21.46)	1.312-18 UNEF
4	18	1.325 (33.66)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	.970 (24.64)	1.437-18 UNEF
5	20	1.325 (33.66)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	1.095 (27.81)	1.562-18 UNEF
6	22	1.325 (33.66)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.220 (30.99)	1.812-16 UN
7	24	1.450 (36.83)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.470 (37.34)	2.062-16 UN
8	24	1.450 (36.83)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.470 (37.34)	2.062-16 UN
9	28	1.700 (43.18)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.713 (43.51)	2.312-16 UN
10	32	1.950 (49.53)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.900 (48.26)	2.500-16 UN
11	36	1.950 (49.53)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.150 (54.61)	2.875-16 UN
12	40	1.950 (49.53)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.460 (62.48)	3.125-16 UN
13	40	1.950 (49.53)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.460 (62.48)	3.125-16 UN



CONFIGURATION C - STYLE 3 CABLE SEALING AND GRIPPING

FIGURE 1C - CONFIGURATIONS AND DIMENSIONS



**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,  
CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A  
(FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)

**AS85049/4**  
SHEET 6 OF 11

**REV.**  
**C**

CONFIGURATION C - STYLE 3 CABLE SEALING (CONTINUED)

TABLE 3 - FIGURE 1C CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE NOTE 5)		B +.000 -.010	C +.000 -.010	D THREAD CLASS 2B-LH	E FREE LENGTH MAX	F +.016	G DIA +.010 -.020
		MAX	MIN						
1	12	.530 (13.46)	.436 (11.07)	1.000 (25.40)	.812 (20.62)	.750-20 UNEF	.597 (15.16)	.479 (12.17)	.938 (23.83)
2	12	.500 (12.70)	.406 (10.31)	.875 (22.23)	.938 (23.83)	.750-20 UNEF	.539 (13.69)	.479 (12.17)	.938 (23.83)
3	12	.405 (10.29)	.316 ( 8.03)	1.000 (25.40)	.812 (20.62)	.750-20 UNEF	.597 (15.16)	.479 (12.17)	.938 (23.83)
4	14	.625 (15.88)	.560 (14.22)	1.062 (26.97)	1.125 (28.58)	.875-20 UNEF	.597 (15.16)	.479 (12.17)	1.062 (26.97)
5	14	.605 (15.37)	.511 (12.98)	1.000 (25.40)	1.062 (26.97)	.875-20 UNEF	.597 (15.16)	.479 (12.17)	1.062 (26.97)
6	14	.530 (13.46)	.430 (10.92)	1.000 (25.40)	1.062 (26.97)	.875-20 UNEF	.597 (15.16)	.479 (12.17)	1.062 (26.97)
7	14	.405 (10.29)	.316 ( 8.03)	1.000 (25.40)	1.062 (26.97)	.875-20 UNEF	.597 (15.16)	.479 (12.17)	1.062 (26.97)
8	18	.828 (21.03)	.715 (18.16)	1.125 (28.58)	1.250 (31.75)	1.125-18 UNEF	.597 (15.16)	.479 (12.17)	1.312 (33.32)
9	20	1.055 (26.80)	.930 (23.62)	1.500 (38.10)	1.375 (34.93)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
10	20	1.000 (25.40)	.875 (22.23)	1.500 (38.10)	1.375 (34.93)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
11	20	.900 (22.86)	.787 (19.99)	1.250 (31.75)	1.375 (34.93)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
12	20	.750 (19.05)	.637 (16.18)	1.250 (31.75)	1.375 (34.93)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
13	22	1.109 (28.17)	.984 (24.99)	1.500 (38.10)	1.625 (41.28)	1.375-18 UNEF	.597 (15.16)	.479 (12.17)	1.562 (39.67)
14	22	1.000 (25.40)	.875 (22.23)	1.500 (38.10)	1.625 (41.28)	1.375-18 UNEF	.597 (15.16)	.479 (12.17)	1.562 (39.67)
15	24	1.375 (34.93)	1.250 (31.75)	2.000 (50.80)	1.875 (47.63)	1.625-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
16	24	1.310 (33.27)	1.185 (30.10)	1.750 (44.45)	1.875 (47.63)	1.625-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
17	24	1.230 (31.24)	1.105 (28.07)	1.750 (44.45)	1.875 (47.63)	1.625-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
18	24	1.180 (29.97)	1.055 (26.80)	1.750 (44.45)	1.875 (47.63)	1.625-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
19	28	1.531 (38.89)	1.406 (35.71)	2.000 (50.80)	2.062 (52.37)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
20	28	1.445 (36.70)	1.320 (33.53)	2.000 (50.80)	2.062 (52.37)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
21	28	1.375 (34.93)	1.250 (31.75)	2.000 (50.80)	2.062 (52.37)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
22	32	1.825 (46.36)	1.700 (43.18)	2.438 (61.93)	2.312 (58.72)	2.062-16 UNS	.710 (18.03)	.479 (12.17)	2.312 (58.72)
23	32	1.730 (43.94)	1.605 (40.77)	2.438 (61.93)	2.312 (58.72)	2.062-16 UNS	.710 (18.03)	.479 (12.17)	2.312 (58.72)
24	32	1.656 (42.06)	1.531 (38.89)	2.250 (57.15)	2.312 (58.72)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
25	36	2.062 (52.37)	1.917 (48.69)	2.750 (69.85)	2.500 (63.50)	2.312-16 UNS	.710 (18.03)	.479 (12.17)	2.562 (65.07)
26	36	1.984 (50.39)	1.859 (47.22)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	.710 (18.03)	.479 (12.17)	2.562 (65.07)
27	36	1.900 (48.26)	1.775 (45.09)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	.710 (18.03)	.479 (12.17)	2.562 (65.07)
28	36	1.825 (46.36)	1.700 (43.18)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	.710 (18.03)	.479 (12.17)	2.562 (65.07)
29	36	1.730 (43.94)	1.605 (40.77)	2.438 (61.93)	2.500 (63.50)	2.312-16 UNS	.710 (18.03)	.479 (12.17)	2.562 (65.07)
30	40	2.375 (60.33)	2.230 (56.64)	2.875 (73.03)	2.812 (71.42)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)
31	40	2.250 (57.15)	2.105 (53.48)	2.750 (69.85)	2.625 (66.68)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)
32	40	2.145 (54.38)	2.000 (50.80)	2.750 (69.85)	2.625 (66.68)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)
33	40	2.062 (52.37)	1.917 (48.69)	2.750 (69.85)	2.625 (66.68)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)

SAENORM.COM : CONNECTOR ACCESSORIES

	<b>AEROSPACE STANDARD</b>	<b>AS85049/4</b> SHEET 7 OF 11	<b>REV.</b> <b>C</b>
	CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A (FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)		

CONFIGURATION C - STYLE 3 CABLE SEALING AND GRIPPING (CONTINUED)

TABLE 3 - FIGURE 1C CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	H MAX	J APPROX. FREE LENGTH	K +.015 -0.025	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK
1	12	3.810 ( 96.77)	4.688 (119.08)	1.219 (30.96)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
2	12	3.248 ( 82.50)	4.344 (110.34)	.871 (22.12)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
3	12	3.810 ( 96.77)	3.688 ( 93.68)	1.219 (30.96)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
4	14	4.024 (102.21)	6.188 (157.18)	1.371 (34.82)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
5	14	3.712 ( 94.28)	5.188 (131.78)	1.121 (28.47)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
6	14	3.712 ( 94.28)	4.688 (119.08)	1.121 (28.47)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
7	14	3.712 ( 94.28)	3.688 ( 93.68)	1.121 (28.47)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)
8	18	4.087 (103.81)	6.688 (169.88)	1.343 (34.11)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
9	20	4.212 (106.98)	7.688 (195.28)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
10	20	4.212 (106.98)	7.188 (182.58)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
11	20	4.150 (105.41)	7.188 (182.58)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
12	20	4.150 (105.41)	7.188 (182.58)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
13	22	4.212 (106.98)	7.688 (195.28)	1.371 (34.82)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
14	22	4.212 (106.98)	7.188 (182.58)	1.371 (34.82)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
15	24	4.275 (108.59)	9.688 (246.08)	1.309 (33.25)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
16	24	4.275 (108.59)	8.688 (220.68)	1.372 (34.85)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
17	24	4.275 (108.59)	8.188 (207.98)	1.372 (34.85)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
18	24	4.275 (108.59)	8.188 (207.98)	1.372 (34.85)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
19	28	4.337 (110.16)	10.688 (271.48)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
20	28	4.337 (110.16)	9.688 (246.08)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
21	28	4.337 (110.16)	9.688 (246.08)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
22	32	4.704 (119.48)	13.688 (347.68)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
23	32	4.704 (119.48)	13.688 (347.68)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
24	32	4.399 (111.73)	12.688 (322.28)	1.370 (34.80)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
25	36	4.704 (119.48)	14.188 (360.38)	1.375 (34.93)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
26	36	4.673 (118.69)	13.688 (347.68)	1.344 (34.14)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
27	36	4.673 (118.69)	13.688 (347.68)	1.344 (34.14)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
28	36	4.673 (118.69)	13.688 (347.68)	1.344 (34.14)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
29	36	4.673 (118.69)	13.688 (347.68)	1.344 (34.14)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
30	40	5.000 (127.00)	18.188 (461.98)	1.421 (36.09)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
31	40	5.000 (127.00)	17.188 (436.58)	1.421 (36.09)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
32	40	4.939 (125.45)	14.188 (360.38)	1.422 (36.12)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
33	40	4.939 (125.45)	14.188 (360.38)	1.422 (36.12)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)

NOTES:

- DIMENSIONS ARE IN INCHES
- METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.
- UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±0.016 (0.41).
- DIMENSIONS APPLY AFTER PLATING.
- CABLE RANGE IS DEFINED AS THE ENVELOPE AREA FOR THE WIRE BUNDLE. THIS DIMENSION IS NOT MEANT TO DEFINE THE CLAMP HARDWARE LIMITS.

	<b>AEROSPACE STANDARD</b>	<b>AS85049/4</b> SHEET 8 OF 11	<b>REV.</b> <b>C</b>
	CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A (FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)		