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AS85049™/4

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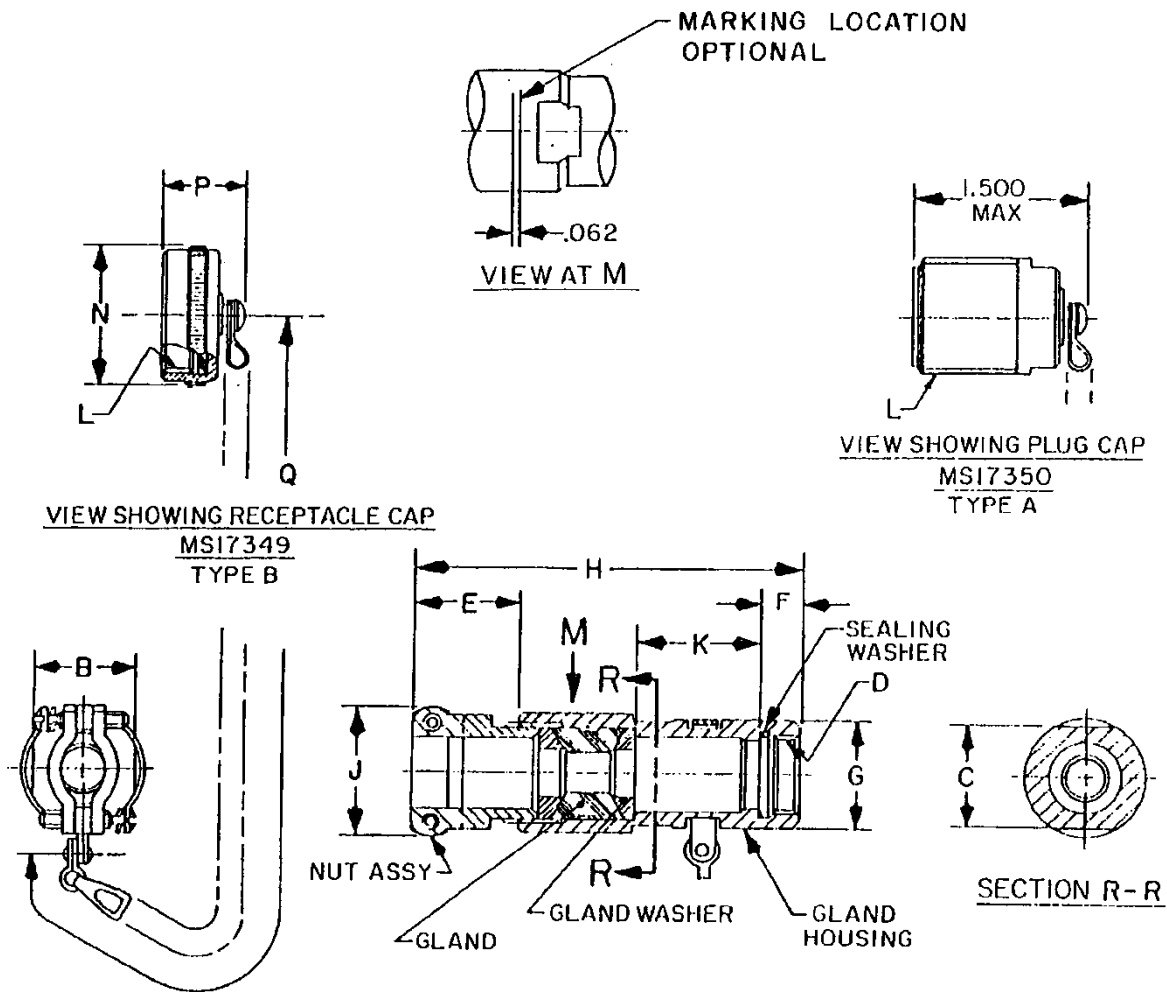
REVISION IS REQUIRED TO CHANGE MULTIPLE "L" THREAD AND "D" THREAD DIMENSIONS, MAKE EDITORIAL CHANGES TO TABLES 1, 2, AND 3 AND APPLICATION NOTES, TO REPLACE SUPERSESSION DATA IMAGE AND TO MAKE CHANGES TO THE REQUIREMENTS SECTION.

AS85049/4E HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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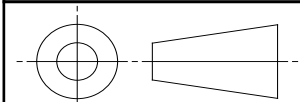


CONFIGURATION A - STYLE 1 CABLE SEALING

FIGURE 1A - CONFIGURATIONS AND DIMENSIONS

For more information on this standard, visit
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

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

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CONFIGURATION A - STYLE 1 CABLE SEALING (CONTINUED)

TABLE 1 - FIGURE 1A CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE DESIGN REQ)		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)

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

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
CABLE SEALING, STRAIGHT, SET-UP, CATEGORY 1A
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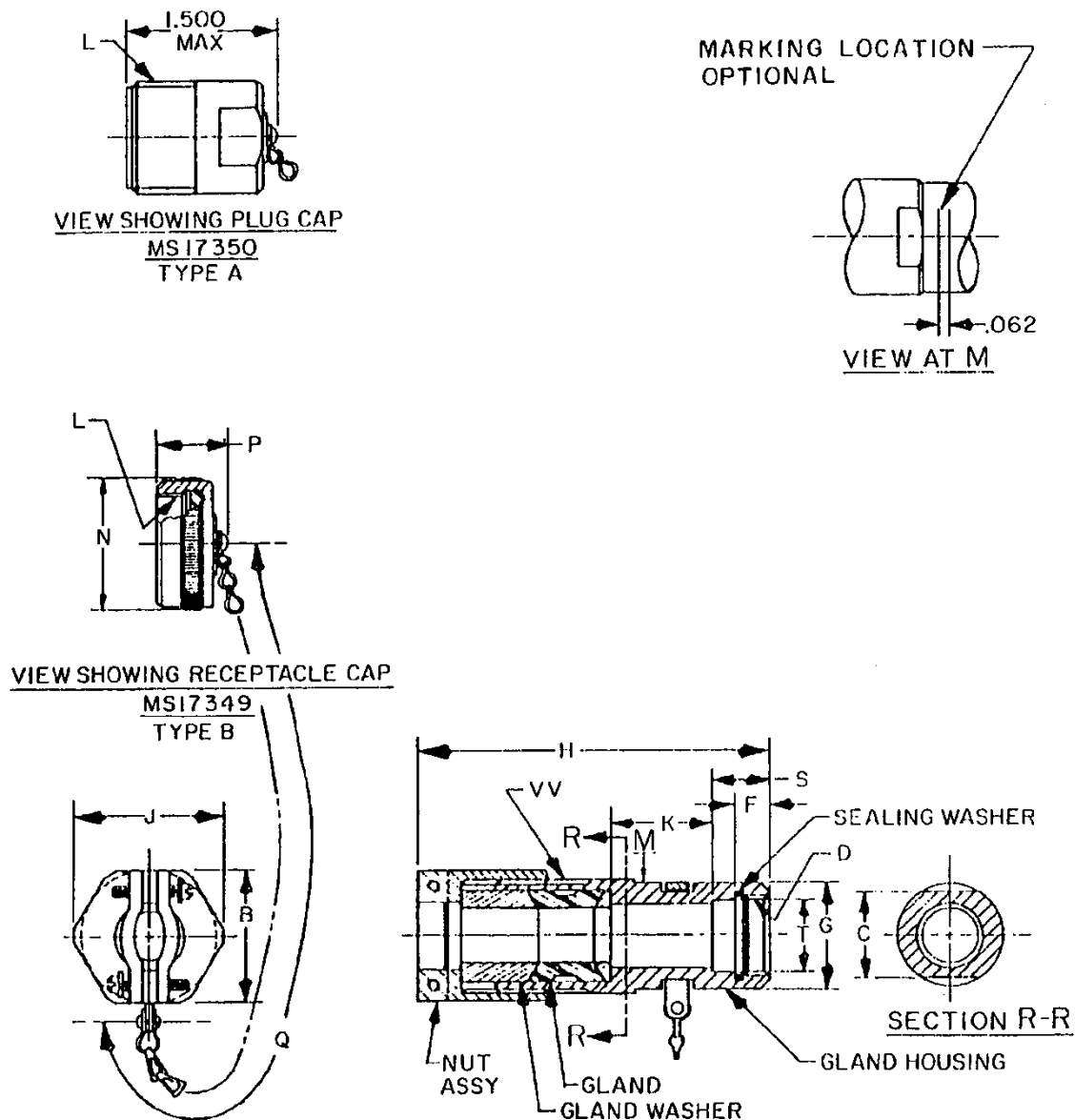
CONFIGURATION A - STYLE 1 CABLE SEALING (CONTINUED)

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

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE DESIGN REQ)		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)

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)	2.500-0.1P-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)	2.500-0.1P-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

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