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AS81511/14

FEDERAL SUPPLY CLASS
5935

RATIONALE

THIS DETAIL SPECIFICATION SHEET IS WRITTEN TO PERMIT THE CANCELLATION AND SUPERSESSION OF MIL-C-81511/14 WITH THIS DOCUMENT.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81511.

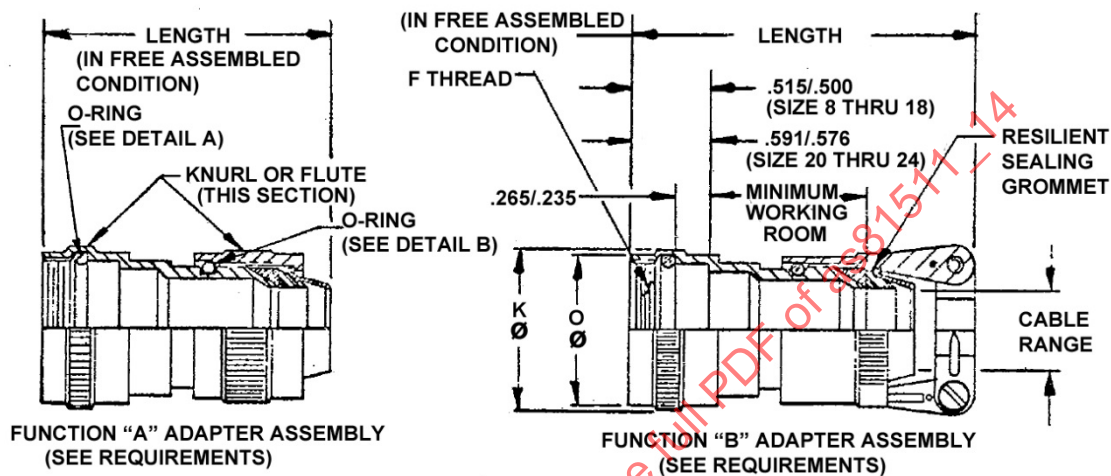
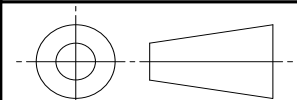


FIGURE 1 - CONNECTOR ACCESSORY, ADAPTER, STRAIGHT (FUNCTION A AND B ASSEMBLIES)

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81511



AEROSPACE STANDARD

ACCESSORY, ADAPTER, STRAIGHT, CONNECTOR, ELECTRICAL, CIRCULAR, HIGH DENSITY, QUICK DISCONNECT, ENVIRONMENT RESISTING

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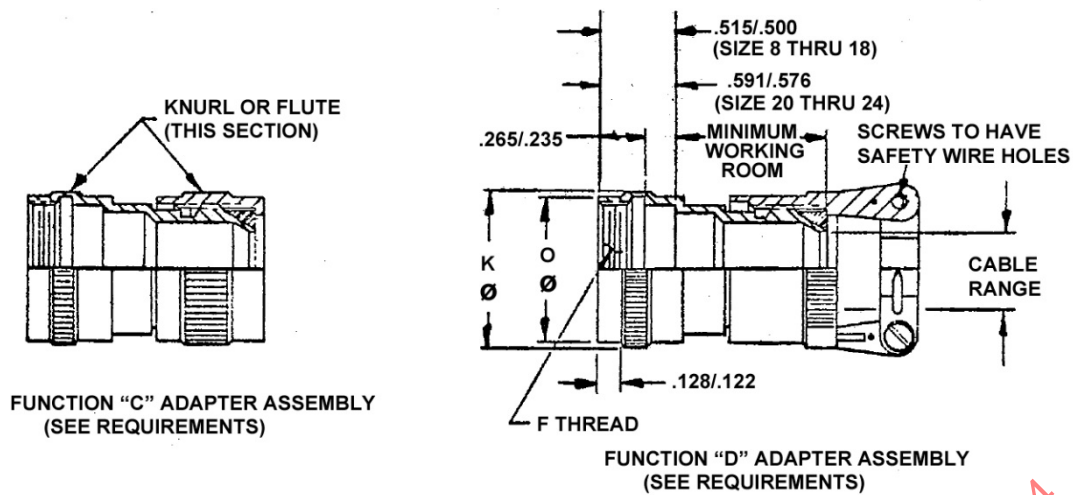


FIGURE 1A - CONNECTOR ADAPTER, STRAIGHT (FUNCTION C AND D ASSEMBLIES)

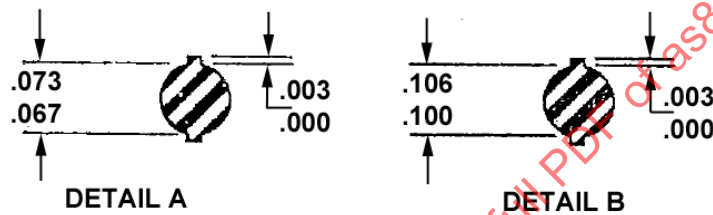


FIGURE 1B - CONNECTOR ADAPTER, STRAIGHT (DETAILS A AND B)

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.003	0.08	.122	3.10	.485	12.32
.067	1.70	.128	3.25	.500	12.70
.073	1.85	.235	5.97	.515	13.08
.100	2.54	.265	6.73	.576	14.63
.106	2.69	.470	11.94	.591	15.01

TABLE 2 - PART NUMBER AND CHARACTERISTICS

PART NUMBER M81511/14-	SHELL SIZE	FUNCTION SYMBOL (SEE REQ.)	CABLE RANGE		F THREAD (CLASS 2B)	O DIA. (SEE REQ.)	K DIA. (SEE REQ.)	MIN. WORKING ROOM	LENGTH REF. (SEE REQ.)	APPROX. WEIGHT (LB)
			MIN.	MAX.						
001	8	A	.062 (1.57)	.125 (3.18)	1/2-28UNEF	.555 (14.10) .546 (13.87)	.640 (16.26) .620 (15.75)	1.125 (28.58)	2.22 (56.39)	.025
002			.125 (3.18)	.250 (6.35)					2.72 (69.09)	.036
003			.062 (1.57)	.125 (3.18)					2.72 (69.09)	.028
004		B	.125 (3.18)	.250 (6.35)				1.625 (41.28)	3.22 (81.79)	.039
005			.062 (1.57)	.125 (3.18)						
006		A	.125 (3.18)	.250 (6.35)						
007			.062 (1.57)	.125 (3.18)						
008			.125 (3.18)	.250 (6.35)						
009	10	A	.125 (3.18)	.250 (6.35)	5/8-28UN	.680 (17.27) .671 (17.04)	.765 (19.43) .745 (18.92)	1.125 (28.58)	2.22 (56.39)	.027
010			.250 (6.35)	.375 (9.53)					2.72 (69.09)	.033
011			.375 (9.53)	.500 (12.70)						.039
012			.125 (3.18)	.250 (6.35)						.038
013		B	.250 (6.35)	.375 (9.53)				1.625 (41.28)		.047
014			.375 (9.53)	.500 (12.70)					2.72 (69.09)	.052
015		A	.125 (3.18)	.250 (6.35)						.031
016			.250 (6.35)	.375 (9.53)					2.72 (69.09)	.037
017			.375 (9.53)	.500 (12.70)						.043
018			.125 (3.18)	.250 (6.35)					3.22 (81.79)	.042
019		B	.250 (6.35)	.375 (9.53)						.051
020			.375 (9.53)	.500 (12.70)						.056
021		A	.250 (6.35)	.375 (9.53)				1.125 (28.58)	2.22 (56.39)	.036
022			.375 (9.53)	.500 (12.70)					2.72 (69.09)	.042
023			.500 (12.70)	.625 (15.88)						.052
024			.250 (6.35)	.375 (9.53)						.050
025		B	.375 (9.53)	.500 (12.70)				1.625 (41.28)		.055
026			.500 (12.70)	.625 (15.88)					2.72 (69.09)	.063
027			.250 (6.35)	.375 (9.53)						.043
028			.375 (9.53)	.500 (12.70)					2.72 (69.09)	.049
029		A	.500 (12.70)	.625 (15.88)						.059
030			.250 (6.35)	.375 (9.53)					3.22 (81.79)	.057
031			.375 (9.53)	.500 (12.70)						.062
032			.500 (12.70)	.625 (15.88)						.070
033	16	A	.250 (6.35)	.375 (9.53)	1-28UN	1.056 (26.82) 1.047 (26.59)	1.140 (28.96) 1.120 (28.45)	1.125 (28.58)	2.22 (56.39)	.038
034			.375 (9.53)	.500 (12.70)					2.72 (69.09)	.044
035			.500 (12.70)	.625 (15.88)						.054
036			.250 (6.35)	.375 (9.53)						.052
037		B	.375 (9.53)	.500 (12.70)				1.625 (41.28)		.057
038			.500 (12.70)	.625 (15.88)					2.72 (69.09)	.065
039			.250 (6.35)	.375 (9.53)						.045
040			.375 (9.53)	.500 (12.70)					2.72 (69.09)	.051
041		A	.500 (12.70)	.625 (15.88)						.061
042			.250 (6.35)	.375 (9.53)					3.22 (81.79)	.059
043			.375 (9.53)	.500 (12.70)						.064
044			.500 (12.70)	.625 (15.88)						.072
045		A	.375 (9.53)	.500 (12.70)				1.125 (28.58)	2.22 (56.39)	.046
046			.500 (12.70)	.625 (15.88)					2.72 (69.09)	.057
047			.625 (15.88)	.750 (19.05)						.055
048			.375 (9.53)	.500 (12.70)						.059
049		B	.500 (12.70)	.625 (15.88)				1.625 (41.28)		.067
050			.625 (15.88)	.750 (19.05)					2.72 (69.09)	.074
051			.375 (9.53)	.500 (12.70)						.054
052			.500 (12.70)	.625 (15.88)					2.72 (69.09)	.065
053		A	.625 (15.88)	.750 (19.05)						.063
054			.375 (9.53)	.500 (12.70)					3.22 (81.79)	.067
055			.500 (12.70)	.625 (15.88)						.075
056			.625 (15.88)	.750 (19.05)						.082



AEROSPACE STANDARD

ACCESSORY, ADAPTER, STRAIGHT, CONNECTOR,
ELECTRICAL, CIRCULAR, HIGH DENSITY, QUICK
DISCONNECT, ENVIRONMENT RESISTING

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TABLE 2 - PART NUMBER AND CHARACTERISTICS (CONTINUED)

PART NUMBER M81511/14-	SHELL SIZE	FUNCTION SYMBOL (SEE REQ.)	CABLE RANGE		F THREAD (CLASS 2B)	O DIA. (SEE REQ.)	K DIA. (SEE REQ.)	MIN. WORKING ROOM	LENGTH REF. (SEE REQ.)	APPROX. WEIGHT (LB)
			MIN.	MAX.						
057	8	C	.062 (1.57)	.125 (3.18)	1/2-28UNEF	.555 (14.10) .546 (13.87)	.640 (16.26) .620 (15.75)	1.125 (28.58)	1.71 (43.43)	.022
058			.125 (3.18)	.250 (6.35)					2.47 (62.74)	.033
059			.062 (1.57)	.125 (3.18)					2.21 (56.13)	.025
060		D	.125 (3.18)	.250 (6.35)				1.625 (41.28)	2.97 (75.44)	.036
061			.062 (1.57)	.125 (3.18)						
062		C	.125 (3.18)	.250 (6.35)						
063			.062 (1.57)	.125 (3.18)						
064		D	.125 (3.18)	.250 (6.35)						
065	10	C	.125 (3.18)	.250 (6.35)	5/8-28UN	.680 (17.27) .671 (17.04)	.765 (19.43) .745 (18.92)	1.125 (28.58)	1.71 (43.43)	.024
066			.250 (6.35)	.375 (9.53)						.028
067			.375 (9.53)	.500 (12.70)						.034
068			.125 (3.18)	.250 (6.35)					2.47 (62.74)	.035
069		D	.250 (6.35)	.375 (9.53)				1.625 (41.28)		.043
070			.375 (9.53)	.500 (12.70)					2.21 (56.13)	.046
071			.125 (3.18)	.250 (6.35)						.028
072		C	.250 (6.35)	.375 (9.53)						.032
073			.375 (9.53)	.500 (12.70)						.038
074			.125 (3.18)	.250 (6.35)					2.97 (75.44)	.039
075		D	.250 (6.35)	.375 (9.53)						.047
076			.375 (9.53)	.500 (12.70)						.050
077			.250 (6.35)	.375 (9.53)						.031
078	14	C	.375 (9.53)	.500 (12.70)	7/8-28UN	.930 (23.62) .921 (23.39)	1.015 (25.78) .995 (25.27)	1.125 (28.58)	1.71 (43.43)	.037
079			.500 (12.70)	.625 (15.88)						.045
080			.250 (6.35)	.375 (9.53)					2.47 (62.74)	.046
081			.375 (9.53)	.500 (12.70)						.049
082		D	.500 (12.70)	.625 (15.88)				1.625 (41.28)		.055
083			.250 (6.35)	.375 (9.53)					2.21 (56.13)	.038
084			.375 (9.53)	.500 (12.70)						.044
085			.500 (12.70)	.625 (15.88)						.052
086		C	.250 (6.35)	.375 (9.53)					2.97 (75.44)	.053
087			.375 (9.53)	.500 (12.70)						.056
088			.500 (12.70)	.625 (15.88)						.062
089			.250 (6.35)	.375 (9.53)						.033
090	16	C	.375 (9.53)	.500 (12.70)	1-28UN	1.056 (26.82) 1.047 (26.59)	1.140 (28.96) 1.120 (28.45)	1.125 (28.58)	1.71 (43.43)	.039
091			.500 (12.70)	.625 (15.88)						.047
092			.250 (6.35)	.375 (9.53)					2.47 (62.74)	.048
093			.375 (9.53)	.500 (12.70)						.051
094		D	.500 (12.70)	.625 (15.88)				1.625 (41.28)		.057
095			.250 (6.35)	.375 (9.53)					2.21 (56.13)	.040
096			.375 (9.53)	.500 (12.70)						.046
097			.500 (12.70)	.625 (15.88)						.054
098		C	.250 (6.35)	.375 (9.53)					2.97 (75.44)	.056
099			.375 (9.53)	.500 (12.70)						.058
100			.500 (12.70)	.625 (15.88)						.064
101			.375 (9.53)	.500 (12.70)						.041
102	18	C	.500 (12.70)	.625 (15.88)	1 1/8-28UN	1.180 (29.97) 1.171 (29.74)	1.265 (32.13) 1.245 (31.62)	1.125 (28.58)	1.71 (43.43)	.049
103			.625 (15.88)	.750 (19.05)						.047
104			.375 (9.53)	.500 (12.70)					2.47 (62.74)	.053
105			.500 (12.70)	.625 (15.88)						.059
106		D	.625 (15.88)	.750 (19.05)				1.625 (41.28)		.066
107			.375 (9.53)	.500 (12.70)					2.21 (56.13)	.049
108			.500 (12.70)	.625 (15.88)						.057
109			.625 (15.88)	.750 (19.05)						.055
110		C	.375 (9.53)	.500 (12.70)					2.97 (75.44)	.061
111			.500 (12.70)	.625 (15.88)						.067
112			.625 (15.88)	.750 (19.05)						.074



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