

RATIONALE

THIS DETAIL SPECIFICATION SHEET IS WRITTEN TO PERMIT THE CANCELLATION AND SUPERSESION OF MIL-C-81511/6 WITH THIS DOCUMENT.

NOTICE

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

AS81511/6

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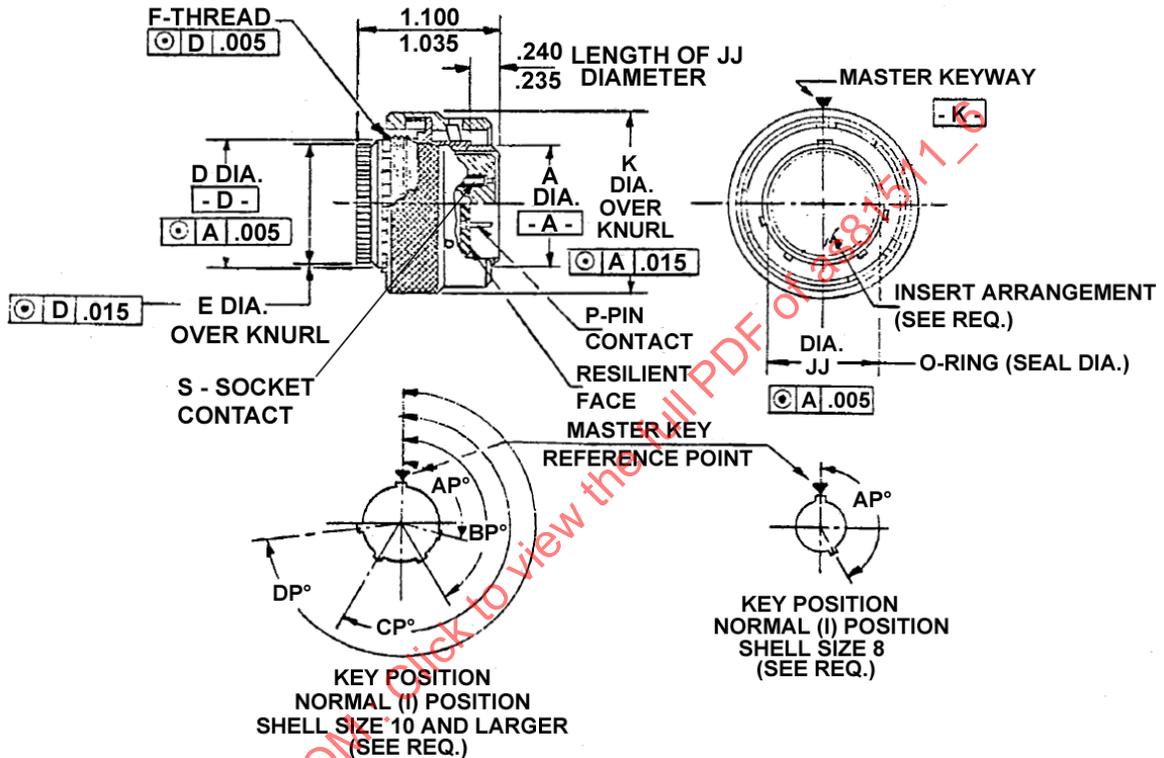
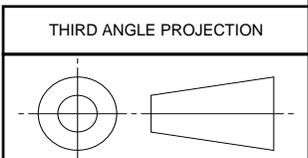


FIGURE 1 - CONNECTOR PLUG

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CUSTODIAN: AE-8/AE-8C1 PROCUREMENT SPECIFICATION: AS81511

	AEROSPACE STANDARD CONNECTOR, PLUG, ELECTRICAL, CIRCULAR, HIGH DENSITY, QUICK DISCONNECT, ENVIRONMENT RESISTING, CRIMP TYPE CONTACTS; AND ACCESSORIES (CLASS A, F, AND E - SERIES 2)	AS81511/6 SHEET 1 OF 3
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ISSUED 2014-10

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.005	0.13	.235	5.97	1.035	26.29
.015	0.38	.240	6.10	1.100	27.94

TABLE 2 - FIGURE 1 DIMENSIONS

SHELL SIZE	A Ø	D Ø	E Ø	F THREAD	K Ø	AP° BSC	BP° BSC	CP° BSC	DP° BSC	JJ Ø
8	.3815 (9.69)	.430 (10.92)	.422 (10.72)	1/2-28UNEF-2A	.850 (21.59)	128°	--	--	--	.382 (9.70)
	.3755 (9.54)	.424 (10.77)	.407 (10.34)		.830 (21.08)					.373 (9.47)
10	.5065 (12.87)	.555 (14.10)	.548 (13.92)	5/8-28UN-2A	.975 (24.77)	105°	140°	215°	265°	.507 (12.88)
	.5005 (12.71)	.549 (13.94)	.533 (13.54)		.955 (24.26)					.498 (12.65)
14	.7565 (19.22)	.805 (20.45)	.798 (20.27)	7/8-28UN-2A	1.225 (31.12)	105°	140°	215°	265°	.757 (19.23)
	.7505 (19.06)	.799 (20.29)	.783 (19.89)		1.205 (30.61)					.746 (18.95)
16	.8825 (22.42)	.930 (23.63)	.924 (23.47)	1-28UN-2A	1.350 (34.29)	105°	140°	215°	265°	.883 (22.43)
	.8765 (22.26)	.924 (23.47)	.909 (23.09)		1.330 (33.78)					.872 (22.15)
18	1.0065 (25.57)	1.055 (26.80)	1.048 (26.62)	1 1/8-28UN-2A	1.475 (37.47)	105°	140°	215°	265°	1.007 (25.58)
	1.0005 (25.41)	1.049 (26.64)	1.033 (26.24)		1.455 (36.96)					.996 (25.30)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81511.

1. DESIGN:

CONNECTORS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 2. DIMENSIONS ARE IN INCHES AND ARE AFTER PLATING. METRIC EQUIVALENTS ARE GIVEN FOR INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±.016 INCHES. THE NORMAL MATING KEYWAY POSITION IS SHOWN IN FIGURE 1. FOR ALTERNATE KEYWAY POSITIONS, SEE AS81511 FIGURE 4. CONNECTORS ARE SERIES 2, CLASSES ARE A, F, AND E. CONTACTS ARE CRIMP TYPE REMOVABLE, STYLE P AND S.

2. FOR INSERT ARRANGEMENTS, SEE AS81511, APPENDIX A.

3. PART NUMBER:

THE CONNECTOR PART NUMBER WILL CONSIST OF THE LETTER M, THE BASIC SPECIFICATION NUMBER/APPLICABLE SPECIFICATION SHEET, AND THE APPLICABLE ALPHA-NUMERIC CHARACTERS ON THE CONNECTOR SHELL. THE PART NUMBER SHALL BE FORMULATED AS IN THE FOLLOWING EXAMPLE: M81511/06ED01P1.

