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AS81511™/46

FEDERAL SUPPLY CLASS
5935

RATIONALE

THIS DETAIL SPECIFICATION SHEET IS WRITTEN TO PERMIT THE CANCELLATION AND SUPERSESSION OF MIL-C-81511/46 WITH THIS DOCUMENT.

NOTICE

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

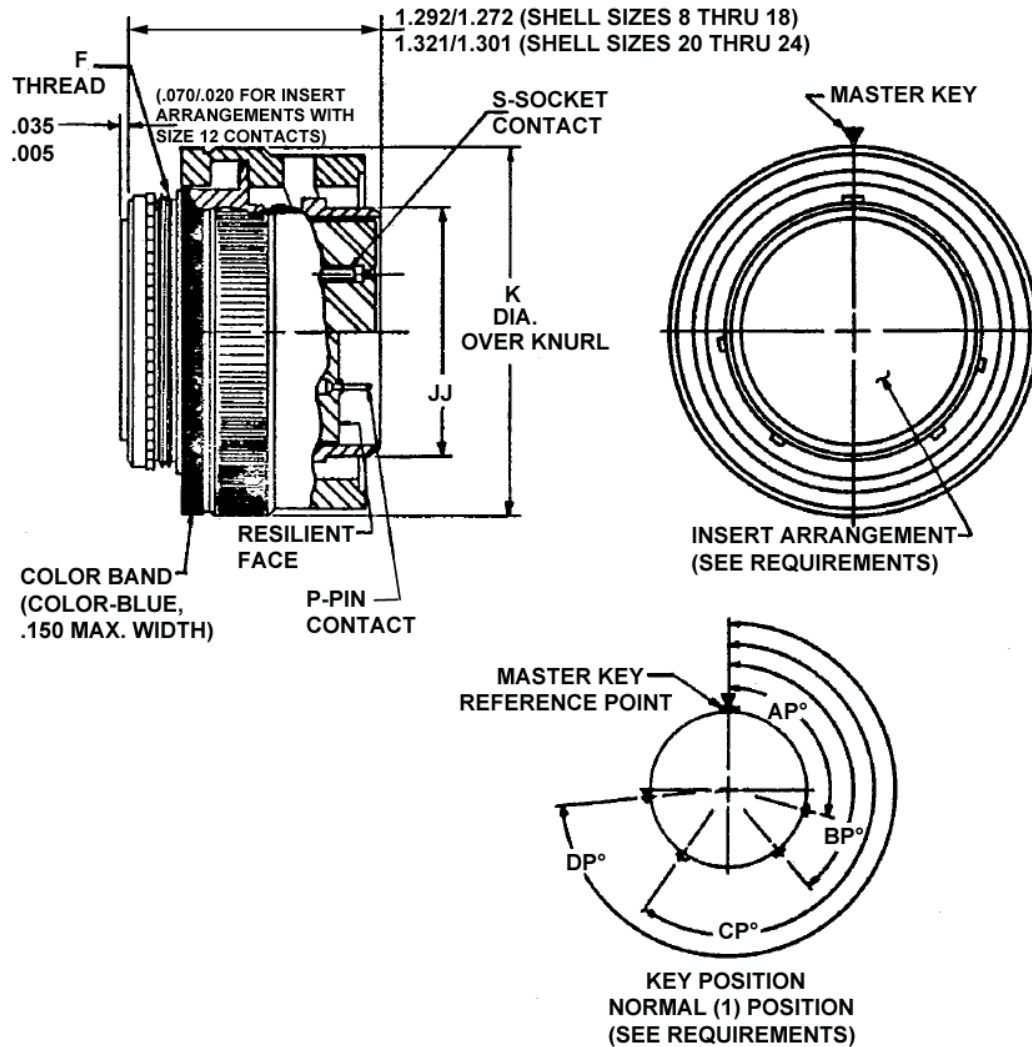
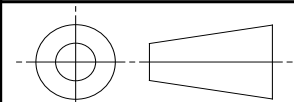


FIGURE 1 - CONNECTOR PLUG (SERIES 3)

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS81511



AEROSPACE STANDARD

CONNECTOR, PLUG, ELECTRICAL, CIRCULAR,
HIGH DENSITY, QUICK DISCONNECT, ENVIRONMENT
RESISTING, INDIVIDUAL RELEASE, CRIMP TYPE CONTACTS
(CLASS A, F, AND W - SERIES 3)

AS81511™/46
SHEET 1 OF 3

Documents

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TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.005	0.13	.228	5.79	1.272	32.31	1.321	33.55
.015	0.38	.233	5.92	1.292	32.82		
.035	0.89	.400	10.16	1.301	33.05		

TABLE 2 - FIGURE 1 DIMENSIONS/CONFIGURATION

SHELL SIZE	F THREAD	K Ø	AP° BSC	BP° BSC	CP° BSC	DP° BSC	JJ Ø
8	1/2-28UNEF-2A	.850 (21.59) .830 (21.08)	105°	140°	215°	265°	.382 (9.70) .373 (9.47)
10	5/8-28UN-2A	.975 (24.77) .955 (24.26)	95°	141°	208°	236°	.507 (12.88) .498 (12.65)
14	7/8-28UN-2A	1.225 (31.12) 1.205 (30.61)	95°	141°	208°	236°	.757 (19.23) .746 (18.95)
16	1-28UN-2A	1.350 (34.29) 1.330 (33.78)	80°	142°	196°	293°	.883 (22.43) .872 (22.15)
18	1 1/8-28UN-2A	1.475 (37.47) 1.455 (36.96)	80°	142°	196°	293°	1.007 (25.58) .996 (25.30)
20	1 1/4-28UN-2A	1.624 (41.25) 1.604 (40.74)	80°	142°	196°	293°	1.132 (28.75) 1.121 (28.47)
22	1 3/8-28UN-2A	1.749 (44.42) 1.729 (43.92)	80°	142°	196°	293°	1.257 (31.93) 1.246 (31.65)
24	1 1/2-28UN-2A	1.874 (47.60) 1.854 (47.09)	80°	142°	196°	293°	1.382 (35.10) 1.371 (34.82)

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 APPLY AFTER PLATING. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ± 0.016 INCHES. NORMAL MATING KEYWAY POSITION SHOWN IN FIGURE 1. FOR ALTERNATE KEYWAY POSITIONS, SEE AS81511, FIGURE 8.

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

	AEROSPACE STANDARD		AS81511™/46 SHEET 2 OF 3	
	CONNECTOR, PLUG, ELECTRICAL, CIRCULAR, HIGH DENSITY, QUICK DISCONNECT, ENVIRONMENT RESISTING, INDIVIDUAL RELEASE, CRIMP TYPE CONTACTS (CLASS A, F, AND W - SERIES 3)			



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