

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.003	0.08	.065	1.65	.126	3.20	1.298	32.97
.005	0.13	.067	1.70	.143	3.63	1.318	33.48
.006	0.15	.073	1.85	.153	3.89	1.327	33.71
.010	0.25	.090	2.29	.200	5.08	1.347	34.21
.015	0.38	.094	2.39	.230	5.84		
.016	0.41	.116	2.95	.894	22.71		
.035	0.89	.125	3.18	.906	23.01		

TABLE 2 - FIGURE 1 DIMENSIONS/CONFIGURATION

SHELL SIZE	B Ø	D Ø	F THREAD	G	H	P Ø	AR° BSC	BR° BSC	CR° BSC	DR° BSC	FF RAD	EE° BSC POSITION					
												1	2	3	4	5	6
8	.553 (14.05)	.430 (10.92)	1/2-28UNEF-2A	.820 (20.83)	.599 (15.21)	.640 (16.26)	105°	140	215°	265°	.120 (3.05)	60	46	43	60	89	43
	.547 (13.89)	.424 (10.77)		.804 (20.42)	.589 (14.96)	.630 (16.00)					.100 (2.54)						
	.678 (17.22)	.555 (14.10)		.945 (24.00)	.724 (18.39)	.765 (19.43)					.120 (3.05)						
	.672 (17.07)	.549 (13.94)		.929 (23.60)	.714 (18.14)	.755 (19.18)					.100 (2.54)						
10	.928 (23.57)	.805 (20.45)	5/8-28UN-2A	1.133 (28.78)	.911 (23.14)	1.015 (25.78)	95°	141°	208°	236°	.120 (3.05)	53	87	51	77	87	87
	.922 (23.42)	.799 (20.29)		1.117 (28.37)	.901 (22.89)	1.005 (25.53)					.100 (2.54)						
	1.054 (26.77)	.930 (23.63)		1.258 (31.95)	.974 (24.74)	1.140 (28.96)					.150 (3.81)						
	1.048 (26.62)	.924 (23.47)		1.242 (31.55)	.964 (24.49)	1.130 (28.70)					.130 (3.30)						
16	1.178 (29.92)	1.055 (26.80)	1 1/8-28UN-2A	1.351 (34.32)	1.067 (27.10)	1.265 (32.13)	80°	142°	196°	293°	.150 (3.81)	98	98	98	98	98	98
	1.172 (29.77)	1.049 (26.64)		1.335 (33.91)	1.057 (26.85)	1.255 (31.88)					.130 (3.30)						
	1.303 (33.10)	1.180 (29.97)		1.475 (37.47)	1.161 (29.49)	1.390 (35.31)					.160 (4.07)						
	1.297 (32.94)	1.174 (29.82)		1.459 (37.06)	1.151 (29.24)	1.380 (35.05)					.130 (3.30)						
20	1.428 (36.27)	1.305 (33.15)	1 3/8-28UN-2A	1.570 (39.88)	1.255 (31.88)	1.515 (38.48)	80°	142°	196°	293°	.160 (4.07)	98	98	98	98	98	98
	1.422 (36.12)	1.299 (32.99)		1.554 (39.47)	1.245 (31.62)	1.505 (38.23)					.130 (3.30)						
	1.553 (39.45)	1.430 (36.32)		1.711 (43.46)	1.380 (35.05)	1.640 (41.66)					.160 (4.07)						
	1.547 (39.29)	1.424 (36.17)		1.695 (43.05)	1.370 (34.80)	1.630 (41.40)					.130 (3.30)						

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 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 ±.016 INCHES. NORMAL MATING KEYWAY POSITION SHOWN IN FIGURE 1. FOR ALTERNATE KEYWAY POSITIONS, REFER TO AS81511, FIGURE 8.

2. FOR INSERT ARRANGEMENTS, REFER TO AS81511, APPENDIX A.

	AEROSPACE STANDARD		AS81511™/41 SHEET 2 OF 3	REV. A
	CONNECTOR, RECEPTACLE, FLANGE MOUNT, ELECTRICAL, CIRCULAR, HIGH DENSITY, QUICK DISCONNECT, ENVIRONMENT RESISTING, INDIVIDUAL RELEASE, CRIMP TYPE CONTACTS (CLASS A, F, AND W - SERIES 3)			



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