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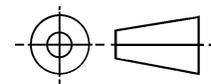
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THIRD ANGLE PROJECTION



ISSUED 2000-06

PREPARED BY SAE SUBCOMMITTEE AE-8C1



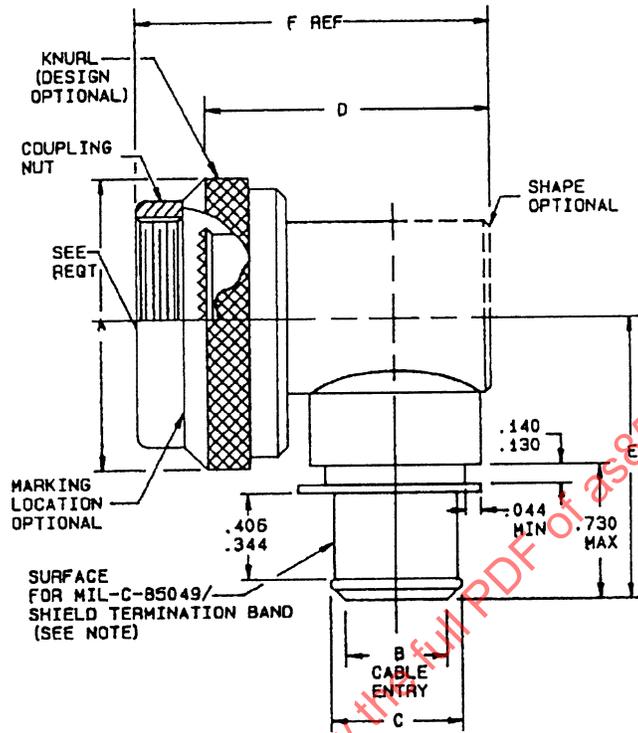
**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, 90°, SELF-LOCKING, SHIELD BAND TERMINATION, (RFI/EMI), SHRINK SLEEVE ACCOMMODATION, CATEGORY 3B (FOR MIL-C-38999 SERIES I AND II CONNECTORS)

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SHEET 1 OF 5

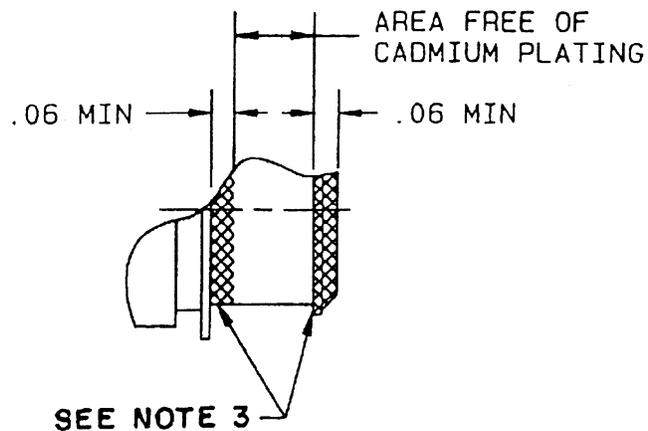
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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: MIL-C-85049.



NOTE: Ribbed, internal knurl or surface roughness  $R_a$  125-250 in accordance with ANSI B46.1. See figure 2 for selective plating details.

FIGURE 1. CONFIGURATION AND DIMENSIONS.



Inches	mm								
.044	1.12	.583	14.81	.895	22.73	1.404	35.66	1.678	42.62
.130	3.30	.625	15.88	.938	23.83	1.406	35.71	1.718	43.64
.140	3.56	.660	16.76	.957	24.31	1.467	37.26	1.733	44.02
.250	6.35	.684	17.37	.984	24.99	1.468	37.29	1.768	44.90
.312	7.92	.707	17.96	1.000	25.40	1.516	38.51	1.796	45.62
.395	10.03	.750	19.05	1.083	27.51	1.531	38.89	1.843	46.81
.438	11.13	.770	19.56	1.145	29.08	1.553	39.45	1.859	47.22
.457	11.61	.812	20.62	1.157	29.36	1.614	41.00	1.889	47.98
.500	12.70	.829	21.05	1.310	33.27	1.642	41.71	1.906	48.41
.562	14.27	.858	21.79	1.343	34.11	1.656	42.06	1.919	48.74

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 (25.4 mm).
3. Cadmium/nickel interface shall be coated with polysulfide sealant.

FIGURE 2. SELECTIVE PLATING.

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TABLE I. SHELL SIZE AND DIMENSIONS.

Accessory shell size	Connector shell size		A max dia	B dia $\pm$ .010 entry size		C dia ref		D max dim	E max dim	F ref
	Series I	Series II		02	03	02	03			
08	8	9	.858	N/A	.250	N/A	.395	1.375	1.417	1.563
10	10	11	.984	N/A	.312	N/A	.457	1.437	1.480	1.625
12	12	13	1.157	.312	.438	.457	.583	1.562	1.553	1.750
14	14	15	1.279	.438	.562	.583	.707	1.687	1.614	1.875
16	16	17	1.406	.500	.625	.645	.770	1.750	1.678	1.938
18	18	19	1.516	.625	.750	.770	.895	1.875	1.733	2.063
20	20	21	1.642	.625	.812	.770	.957	1.938	1.796	2.126
22	22	23	1.768	.684	.938	.829	1.083	2.062	1.859	2.250
24	24	25	1.889	.750	1.000	.895	1.145	2.125	1.919	2.313

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