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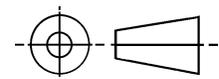
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THIRD ANGLE PROJECTION



ISSUED 2000-06

PREPARED BY SAE SUBCOMMITTEE AE-8C1



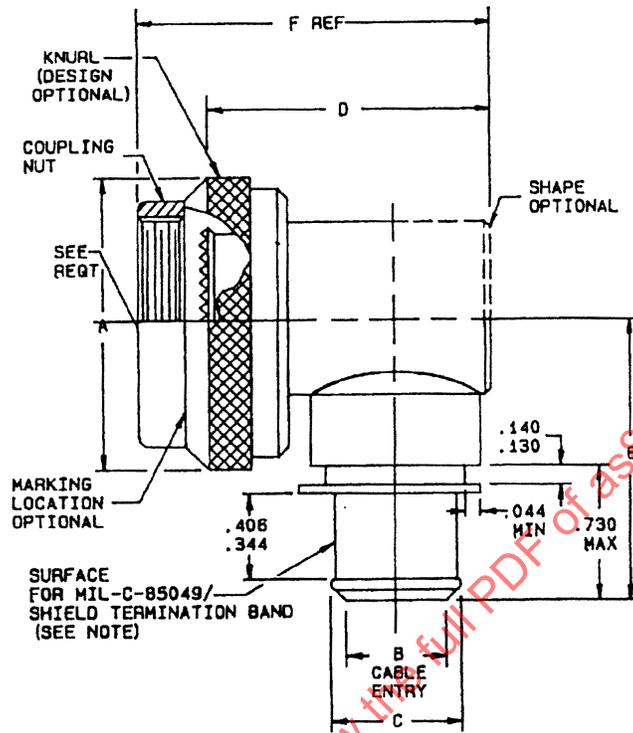
AEROSPACE STANDARD

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

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SHEET 1 OF 6

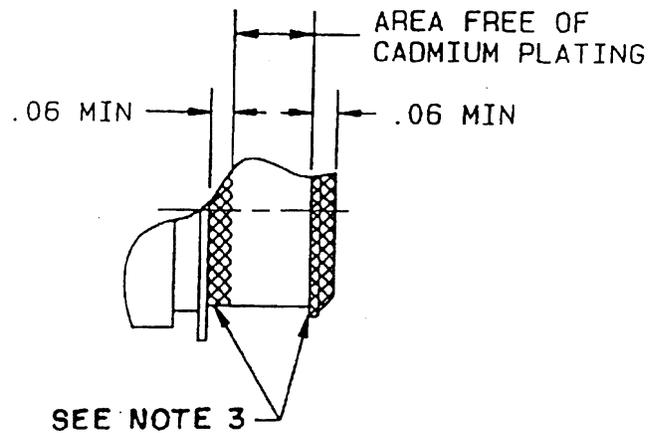
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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED 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	.500	12.70	.770	19.56	1.083	27.51	1.516	38.51	1.773	45.03
.130	3.30	.562	14.27	.812	20.62	1.145	29.08	1.553	39.45	1.793	45.54
.140	3.56	.583	14.81	.829	21.06	1.157	29.39	1.562	39.67	1.859	47.22
.250	6.35	.625	15.88	.858	21.79	1.279	32.49	1.614	41.00	1.875	47.62
.312	7.92	.660	16.76	.895	22.73	1.375	34.92	1.642	41.71	1.889	47.98
.395	10.03	.684	17.37	.938	23.83	1.404	35.66	1.678	42.62	1.919	48.74
.438	11.13	.707	17.96	.957	24.31	1.406	35.71	1.687	42.85	1.938	49.22
.457	11.61	.750	19.05	.984	24.99	1.437	36.50	1.750	44.45	2.062	52.37
				1.000	25.40	1.467	37.26	1.768	44.91	2.125	53.98

NOTES:

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

FIGURE 2. SELECTIVE PLATING.

TABLE I. SHELL SIZE AND DIMENSIONS.

Accessory shell size	Shell size code (ref)	A max dia	B dia $\pm .010$ entry size		C dia ref		D max dim	E max dim	F ref
			02	03	02	03			
			9	A	.858	N/A			
11	B	.984	N/A	.312	N/A	.457	1.437	1.480	1.685
13	C	1.157	.312	.438	.457	.583	1.562	1.553	1.81
15	D	1.279	.438	.562	.583	.707	1.687	1.614	1.935
17	E	1.406	.500	.625	.645	.770	1.750	1.678	1.998
19	F	1.516	.625	.750	.770	.895	1.875	1.773	2.123
21	G	1.642	.625	.812	.770	.957	1.938	1.796	2.186
23	H	1.768	.688	.938	.829	1.083	2.062	1.859	2.31
25	J	1.889	.750	1.000	.895	1.145	2.125	1.919	2.373

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and table I.

Interface dimensions: Shall conform to MIL-C-85049.

Coupling nut: Shall be captivated to the adapter body and free to rotate.

Material and finish: In accordance with MIL-C-85049 and table II.

TABLE II. MATERIAL AND FINISH.

Finish	Material
G - Electroless nickel ^{1/} (space grade) N - Electroless nickel ^{1/} P - Cadmium olive drab over electroless nickel (selective plating, see figure 2) W - Cadmium olive drab	Aluminum alloy
J - Cadmium olive drab L - Cadmium olive drab over electroless nickel (selective plating, see figure 2) ^{2/} M - Electroless nickel	Composite

^{1/} Not for Navy use. Limited to space applications for Air Force use.^{2/} Must meet the requirements, and pass the tests for finish J.