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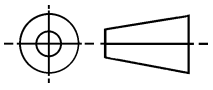

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PREPARED BY SAE SUBCOMMITTEE AE-8C1

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AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, 45°, SELF-LOCKING, SHIELD BAND TERMINATION, (RFI/EMI), SHRINK SLEEVE ACCOMMODATION, CATEGORY 3B (FOR MIL-C-38999 SERIES I AND II CONNECTORS)

AS85049/86
SHEET 1 OF 5

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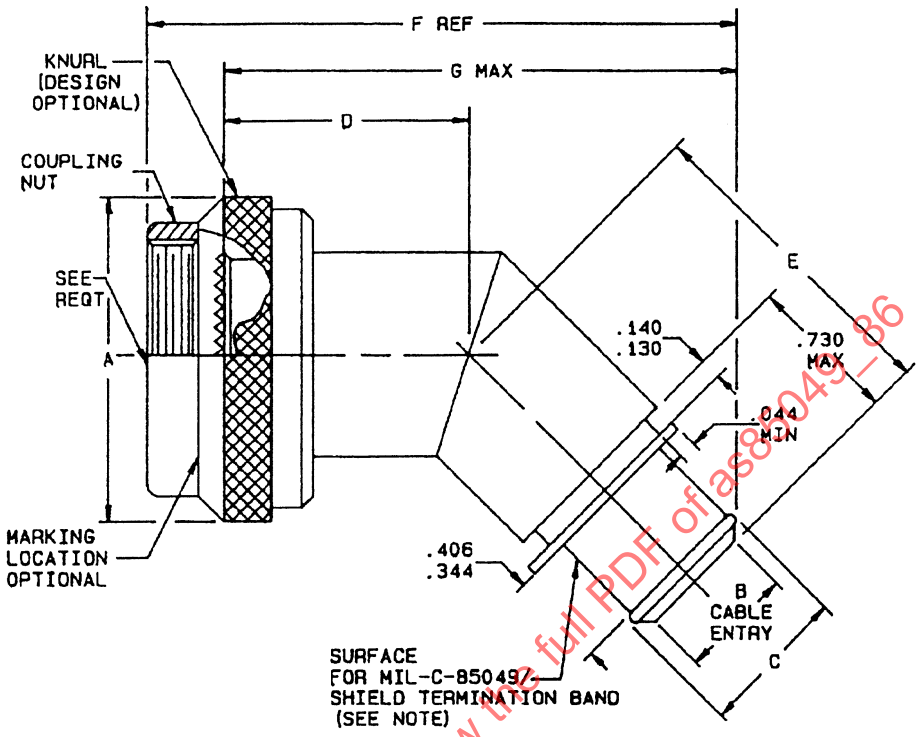
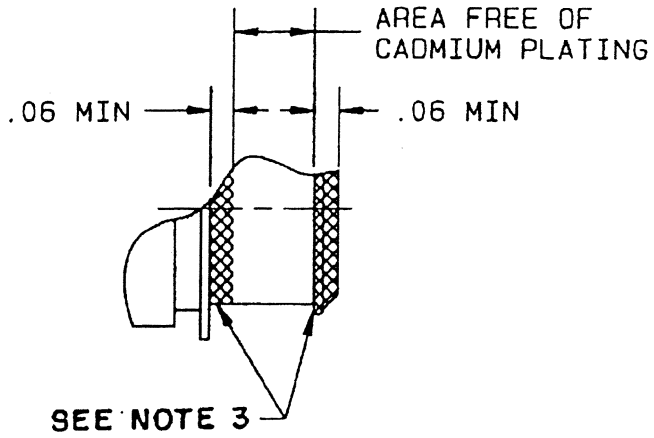


NOTE: Ribbed, internal knurl or surface roughness R_a 125-250 in accordance with ANSI B46.1. See figure 2 for selective plating details.

FIGURE 1. CONFIGURATION AND DIMENSIONS.



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.044	1.12	.500	12.70	.770	19.56	.950	24.13	1.145	29.08	1.300	33.02
.060	1.52	.562	14.27	.812	20.62	.957	24.30	1.156	29.36	1.330	33.78
.130	3.30	.583	14.81	.829	21.06	.980	24.89	1.160	29.46	1.350	34.29
.140	3.56	.625	15.88	.859	21.81	.984	24.99	1.190	30.23	1.406	35.71
.250	6.35	.645	16.38	.870	22.10	1.000	25.40	1.210	30.73	1.516	38.51
.312	7.92	.688	17.48	.895	22.73	1.010	25.65	1.240	31.50	1.641	41.68
.395	10.03	.707	17.96	.900	22.86	1.040	26.42	1.260	32.00	1.766	44.86
.438	11.13	.730	18.54	.920	23.37	1.070	27.18	1.270	32.26	1.891	48.03
.457	11.61	.750	19.05	.938	25.83	1.083	27.51	1.281	32.54		

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.

TABLE I. SHELL SIZE AND DIMENSIONS.

Accesory shell size	Connector shell size		A max dia	B dia ±.010 entry size		C dia ref		D max dim	E max dim	G max		F ref	
	Series I	Series II		02	03	02	03			02	03	02	03
08	9	8	.859	N/A	.250	N/A	.395	.87	1.16	1.69	1.83	1.878	2.018
10	11	10	.984	N/A	.312	N/A	.457	.90	1.19	1.741	1.903	1.929	2.091
12	13	12	1.156	.312	.438	.457	.583	.92	1.21	1.937	1.982	2.125	2.17
14	15	14	1.281	.438	.562	.583	.707	.95	1.24	2.033	2.077	2.221	2.265
16	17	16	1.406	.500	.625	.645	.770	.98	1.26	2.099	2.143	2.287	2.331
18	19	18	1.516	.625	.750	.770	.895	.98	1.27	2.15	2.194	2.338	2.382
20	21	20	1.641	.625	.812	.770	.957	1.01	1.30	2.201	2.268	2.389	2.456
22	23	22	1.766	.688	.938	.829	1.083	1.04	1.33	2.274	2.363	2.462	2.551
24	25	24	1.891	.750	1.000	.895	1.145	1.07	1.35	2.341	2.429	2.529	2.617

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