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AS85049/83

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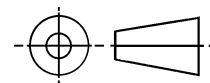
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THIRD ANGLE PROJECTION



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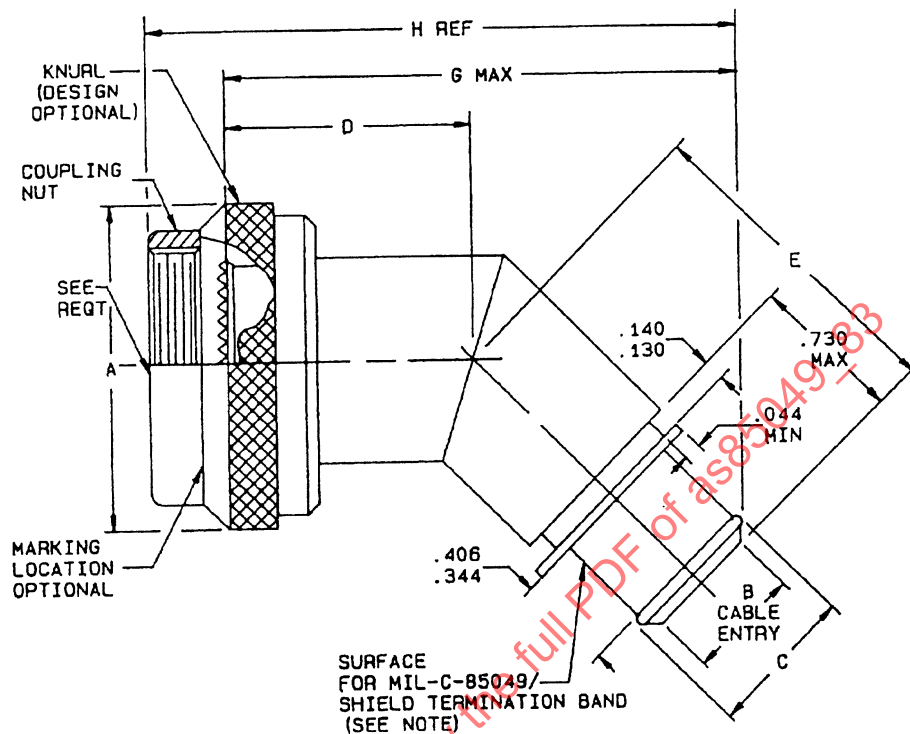
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AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, 45°, SELF-LOCKING,
SHIELD, BAND TERMINATION, (RFI/EMI), SHRINK SLEEVE ACCOMMODATION, CATEGORY 3B
(FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3
AND MIL-C-83723 SERIES III CONNECTORS)

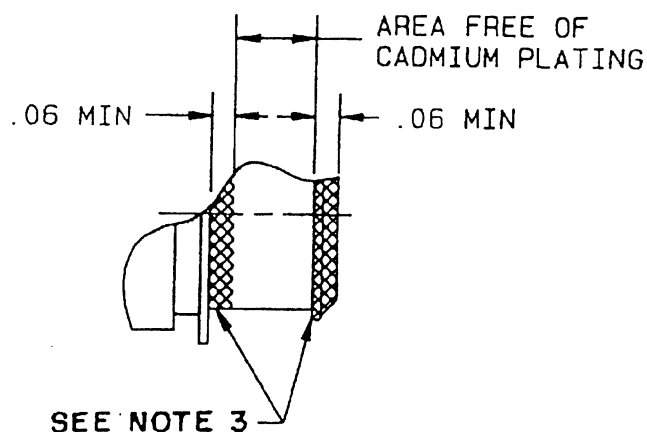
AS85049/83
SHEET 1 OF 5

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	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.044	1.12	.562	14.27	.829	21.06	.960	24.38	1.135	28.83	1.310	33.27
.060	1.52	.583	14.81	.870	22.10	.980	24.89	1.145	29.08	1.340	34.03
.130	3.30	.625	15.88	.875	22.22	1.000	25.40	1.160	29.46	1.380	35.05
.140	3.56	.645	16.38	.885	22.48	1.010	25.65	1.180	29.97	1.385	35.18
.250	6.35	.688	17.48	.890	22.61	1.020	25.91	1.200	30.48	1.510	38.35
.312	7.92	.707	17.96	.895	22.73	1.030	26.16	1.220	30.99	1.542	39.17
.395	10.03	.730	18.54	.920	23.37	1.050	26.67	1.250	31.75	1.635	41.53
.438	11.13	.750	19.05	.938	23.83	1.083	27.51	1.260	32.00	1.760	44.70
.457	11.61	.770	19.56	.940	23.88	1.100	27.94	1.270	32.26	1.885	47.88
.500	12.70	.812	20.62	.957	24.31	1.125	28.57	1.290	32.77	2.135	54.23

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.

Accessory shell size	For connector shell size (ref)				A max dia	B dia $\pm .010$ entry size	C dia ref dim		D max dim	E max	G max with C		H ref with C		
	MIL-C-81703 series 3	MIL-C-26482 series 2	MIL-C-5015 crimp	MIL-C-83723 series III			02	03			02	03	02	03	02
08	---	8	8s	8	.885	N/A	.250	N/A	.395	.87	1.16	N/A	1.830	N/A	2.135
10	---	10	10s, 10SL	10	1.010	N/A	.312	N/A	.457	.89	1.18	N/A	1.886	N/A	2.191
12	7	12	12S and 12	12	1.135	.312	.438	.457	.583	.92	1.20	1.930	1.975	2.235	2.280
14	12	14	14S and 14	14	1.260	.438	.562	.583	.707	.94	1.22	2.009	2.053	2.314	2.358
16	19	16	16S and 16	16	1.385	.500	.625	.645	.770	.96	1.25	2.072	2.116	2.377	2.421
18	27	18	18	18	1.510	.625	.750	.770	.895	.98	1.26	2.143	2.187	2.448	2.492
20	37	20	20	20	1.635	.625	.812	.770	.957	1.00	1.29	2.184	2.251	2.489	2.556
22	---	22	22	22	1.760	.688	.938	.829	1.083	1.03	1.31	2.249	2.339	2.554	2.644
24	---	24	24	24	1.885	.750	1.000	.895	1.145	1.05	1.34	2.314	2.402	2.619	2.707
28	---	---	28	---	2.135	.875	1.125	1.020	1.270	1.10	1.38	2.594	2.683	3.061	3.150