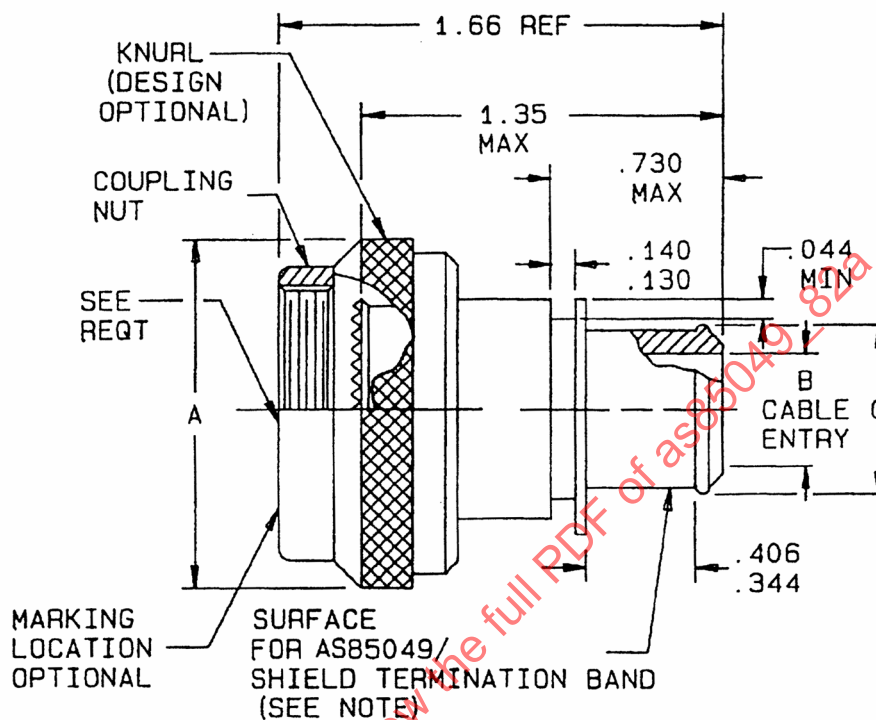


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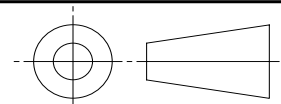
THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION: AS85049.



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

FIGURE 1 - CONFIGURATION AND DIMENSIONS

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
An SAE International Group**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
STRAIGHT, SELF-LOCKING, SHIELD BAND TERMINATION (RFI/EMI),
SHRINK SLEEVE ACCOMMODATION, CATEGORY 3B
(FOR MIL-DTL-5015 CRIMP, MIL-DTL-26482 SERIES 2,
AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049/82
SHEET 1 OF 4**REV.**
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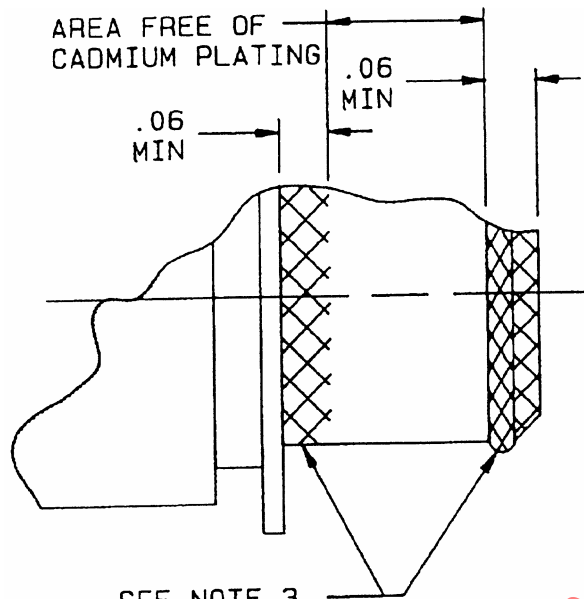
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ISSUED 2000-06 REVISED 2004-10



SEE NOTE 3

INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
.044	1.12	.500	12.70	.750	19.05	.957	24.30	1.190	30.23
.130	3.30	.562	14.27	.770	19.56	1.000	25.40	1.260	32.00
.140	3.56	.583	14.81	.812	20.62	1.010	25.65	1.270	32.26
.250	6.35	.625	15.88	.829	21.06	1.020	25.91	1.385	35.18
.312	7.92	.660	16.76	.875	22.22	1.083	27.51	1.510	38.35
.395	10.03	.684	17.37	.885	22.48	1.125	28.58	1.635	41.53
.438	11.13	.707	17.96	.895	22.73	1.135	28.83	1.750	44.45
.457	11.61	.730	18.54	.938	23.83	1.145	29.08	1.885	47.88
								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 INCH = 25.4 MM.
3. CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT.
4. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING. OPTION 'N' IS A FREE SPINNING SELF-LOCKING COUPLING.

FIGURE 2 - SELECTIVE PLATING

TABLE 1 - SHELL SIZE AND DIMENSIONS

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)				A MAX DIA	B DIA ±.010 ENTRY SIZE		C DIA REF	
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	MIL-DTL- 5015 CRIMP	MIL-DTL- 83723 SERIES III		02	03	02	03
08	---	8	8S	8	.885	N/A	.250	N/A	.395
10	---	10	10S,10SL	10	1.010	N/A	.312	N/A	.457
12	7	12	12S AND 12	12	1.135	.312	.438	.457	.583
14	12	14	14S AND 14	14	1.260	.438	.562	.583	.707
16	19	16	16S AND 16	16	1.385	.500	.625	.645	.770
18	27	18	18	18	1.510	.625	.750	.770	.895
20	37	20	20	20	1.635	.625	.812	.770	.957
22	---	22	22	22	1.760	.688	.938	.829	1.083
24	---	24	24	24	1.885	.750	1.000	.895	1.145
28	---	---	28	---	2.135	.875	1.125	1.020	1.270

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.

INTERFACE DIMENSIONS: SHALL CONFORM TO AS85049.

COUPLING NUT: SHALL BE CAPTIVATED TO THE ADAPTER BODY AND ROTATEABLE.

MATERIAL AND FINISH: IN ACCORDANCE WITH AS85049 AND TABLE 2 HEREIN.

TABLE 2 - MATERIAL AND FINISH

FINISH	MATERIAL
N - ELECTROLESS NICKEL 1/ P - CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL (SELECTIVE PLATING, SEE FIGURE 2) W - CADMIUM OLIVE DRAB 2/	ALUMINUM ALLOY

1/ NOT FOR NAVY USE. LIMITED TO SPACE APPLICATIONS FOR
AIR FORCE USE.

2/ NOT FOR USE IN SPACE APPLICATIONS

VIBRATION: BACKSHELLS SHALL BE SUBJECTED TO TEST PARAMETERS OF APPLICABLE CONNECTOR
SPECIFICATIONS. THE COUPLING TORQUE SHALL BE WITHIN +20, -10 INCH-POUNDS OF THE INITIAL VALUE.

PART OR IDENTIFYING NUMBER (PIN): SEE EXAMPLE BELOW:

M85049/ 82 - 16 P 02

Basic Part Number _____

Specification sheet _____

- = Detented self-locking

N = Non-detented self-locking (see Note 4) _____

Shell size (see Table 1) _____

Finish _____

Entry size _____