

REV.
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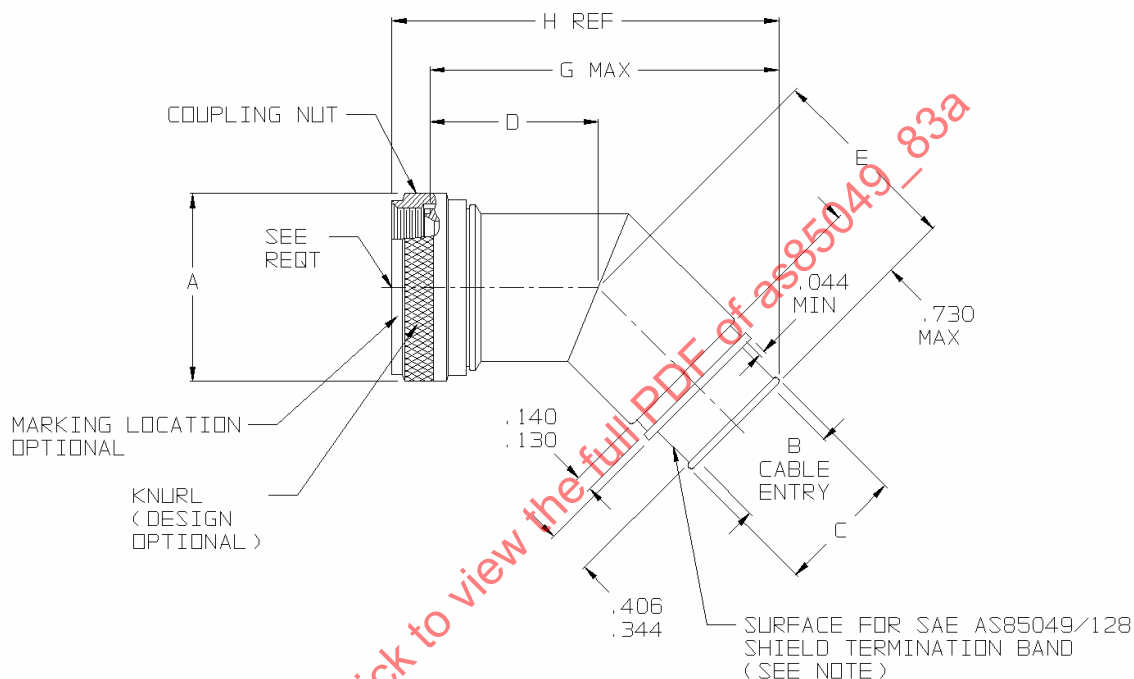
AS85049/83

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY USERS. UPDATED ALL REFERENCE SPECIFICATIONS. REMOVED GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD CONVERSION.

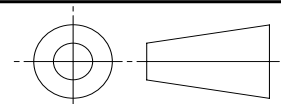
THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS85049.



NOTE: RIBBED, INTERNAL KNURL OR SURFACE ROUGHNESS Ra 125-250 IN ACCORDANCE WITH ANSI B46.1. SEE FIGURE 2 FOR SELECTIVE PLATING DETAILS.

FIGURE 1 - CONFIGURATION AND DIMENSIONS

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

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AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, 45°, 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)

AS85049/83
SHEET 1 OF 4

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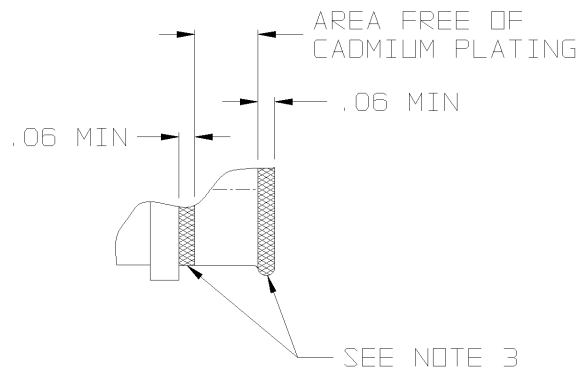


FIGURE 2 - SELECTIVE PLATING

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	34.04
.130	3.30	.625	15.88	.875	22.23	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

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

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.
4. PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING, WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.
5. THE CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.

OPTION 'N' IS A FREE SPINNING SELF-LOCKING COUPLING.

TABLE 1 - SHELL SIZE AND DIMENSIONS

ACCESSORY SHELL SIZE	FOR CONNECTOR SHELL SIZE (REF)				A MAX DIA	B ±.010 DIA ENTRY SIZE		C DIA (REF)		D MAX DIM	E MAX DIM	G MAX WITH C		H (REF) WITH C	
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	MIL-DTL- 5015 CRIMP	MIL-DTL- 83723 SERIES III		02	03	02	03			02	03	02	03
08	---	8	8S	8	0.855	N/A	0.250	N/A	0.395	0.87	1.16	N/A	1.830	N/A	2.135
10	---	10	10S, 10SL	10	1.010	N/A	0.312	N/A	0.457	0.89	1.18	N/A	1.886	N/A	2.191
12	7	12	12S & 12	12	1.135	0.312	0.438	0.457	0.583	0.92	1.20	1.930	1.975	2.235	2.280
14	12	14	14S & 14	14	1.260	0.438	0.562	0.583	0.707	0.94	1.22	2.009	2.053	2.314	2.358
16	19	16	16S & 16	16	1.385	0.500	0.625	0.645	0.770	0.96	1.25	2.072	2.116	2.377	2.421
18	27	18	18	18	1.510	0.625	0.750	0.770	0.895	0.98	1.26	2.143	2.187	2.448	2.492
20	37	20	20	20	1.635	0.625	0.812	0.770	0.957	1.00	1.29	2.184	2.251	2.489	2.556
22	---	22	22	22	1.760	0.688	0.938	0.829	1.083	1.03	1.31	2.249	2.339	2.554	2.644
24	---	24	24	24	1.885	0.750	1.000	0.895	1.145	1.05	1.34	2.314	2.402	2.619	2.707
28	---	---	28	---	2.135	0.875	1.125	1.020	1.270	1.10	1.38	2.594	2.683	3.061	3.150