

REV.
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SAE AS85049/85

RATIONALE

THIS REVISION IS REQUIRED TO INCORPORATE THE OUTSTANDING AMENDMENT, REVIEW FOR KNOWN TECHNICAL ISSUES AND UPDATE TO MEET SAE FORMAT GUIDELINES.

NOTICE

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

FEDERAL SUPPLY CLASS
5935

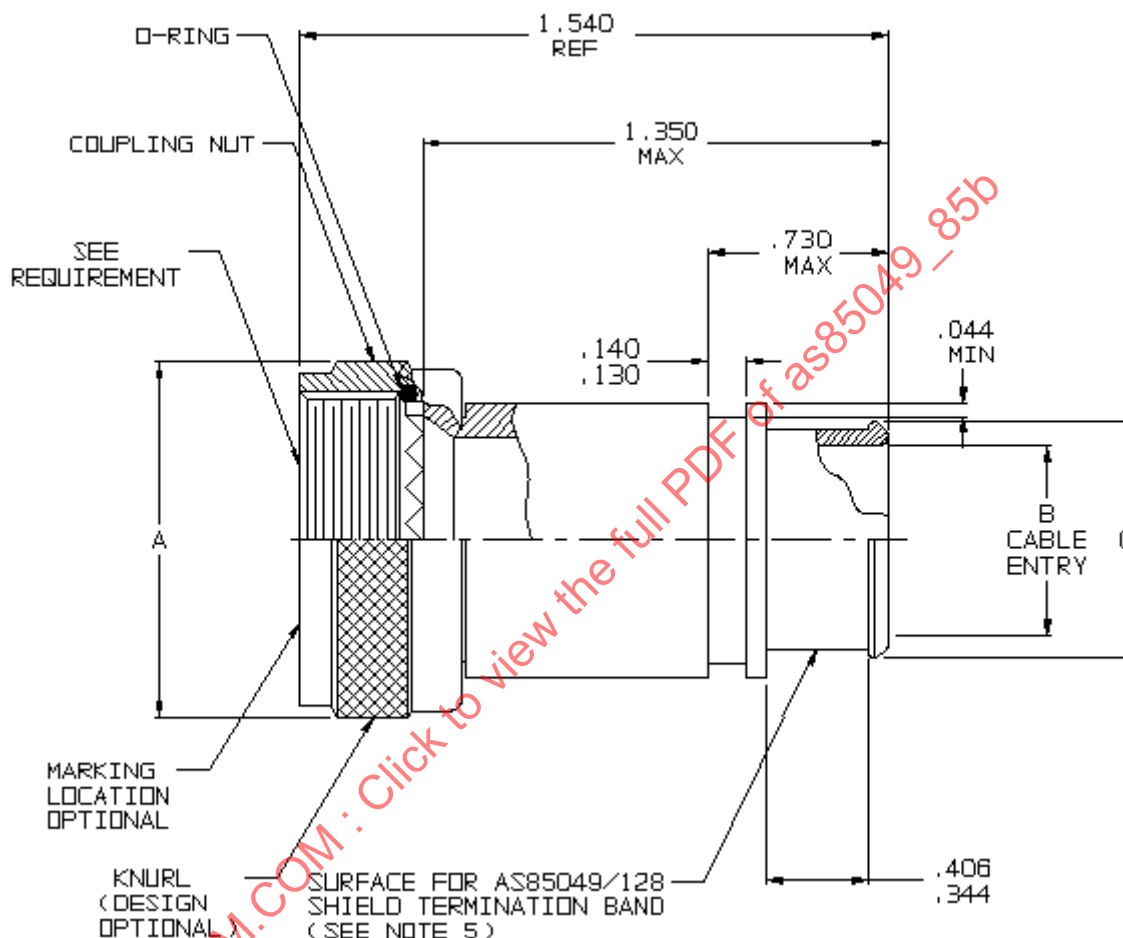


FIGURE 1 - CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS85049/85B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, STRAIGHT, SELF-LOCKING, SHIELD BAND TERMINATION (RFI/EMI), SHRINK BOOT ACCOMMODATION, CATEGORY 3B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

SAE AS85049/85
SHEET 1 OF 3

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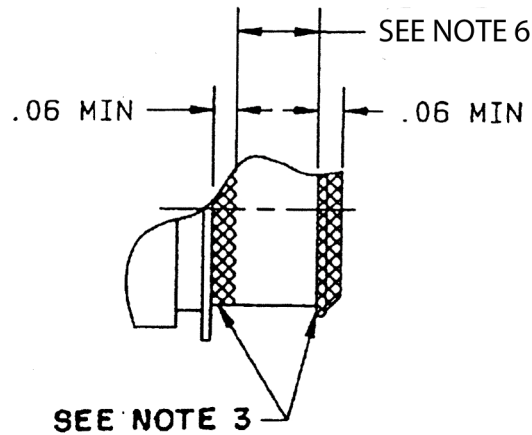
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ISSUED 2000-06 REVISED 2011-03



INCH	MM	INCH	MM	INCH	MM	INCH	MM
.044	1.12	.562	14.27	.829	21.06	1.157	29.39
.130	3.30	.583	14.81	.858	21.79	1.279	32.49
.140	3.56	.625	15.88	.895	22.73	1.350	34.29
.250	6.35	.684	17.37	.938	23.83	1.406	35.71
.312	7.92	.707	17.96	.957	24.31	1.516	38.51
.395	10.03	.730	18.54	.984	24.99	1.642	41.71
.438	11.13	.750	19.05	1.000	25.40	1.768	44.91
.457	11.61	.770	19.56	1.083	27.51	1.889	47.98
.500	12.70	.812	20.62	1.145	29.08		

FIGURE 2 - SELECTIVE PLATING

NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 (25.4 MM).
3. CADMIUM, ZINC NICKEL OR PURE DENSE ELECTRODEPOSITED ALUMINUM/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.
5. RIBBED, KNURL OR SURFACE ROUGHNESS R_a 125-250 IN ACCORDANCE WITH ANSI B46.1.
6. AREA FREE OF CADMIUM, ZINC NICKEL OR PURE DENSE ELECTRODEPOSITED ALUMINUM, AS APPLICABLE.

TABLE 1 - SHELL SIZE AND DIMENSIONS

ACCESSORY SHELL SIZE	CONNECTOR SHELL SIZE		A MAX DIA	B DIA $\pm .010$ ENTRY SIZE		C DIA REF	
	SERIES I	SERIES II		01	02	01	02
08	9	8	.859 (21.82)	N/A	.250 (6.35)	N/A	.395 (10.03)
10	11	10	.986 (25.04)	N/A	.312 (7.92)	N/A	.457 (11.61)
12	13	12	1.156 (29.36)	.312 (7.92)	.438 (11.13)	.457 (11.61)	.583 (14.81)
14	15	14	1.281 (32.54)	.438 (11.13)	.562 (14.27)	.583 (14.81)	.707 (17.96)
16	17	16	1.406 (35.71)	.500 (12.70)	.625 (15.88)	.645 (16.38)	.770 (19.56)
18	19	18	1.516 (38.51)	.625 (15.88)	.750 (19.05)	.770 (19.56)	.895 (22.73)
20	21	20	1.641 (41.68)	.625 (15.88)	.812 (20.62)	.770 (19.56)	.957 (24.31)
22	23	22	1.766 (44.86)	.688 (17.48)	.938 (23.83)	.829 (21.06)	1.083 (27.51)
24	25	24	1.891 (48.03)	.750 (19.05)	1.000 (25.40)	.895 (22.73)	1.145 (29.08)