

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-85049/92, AMENDMENT 1, AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-C-85049/92, AMENDMENT 1. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

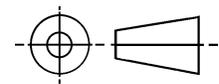
UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

**AS85049/92**

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

SAENORM.COM : Click to view the full PDF of as85049 - 92

THIRD ANGLE PROJECTION



ISSUED 2000-06

PREPARED BY SAE SUBCOMMITTEE AE-8C1



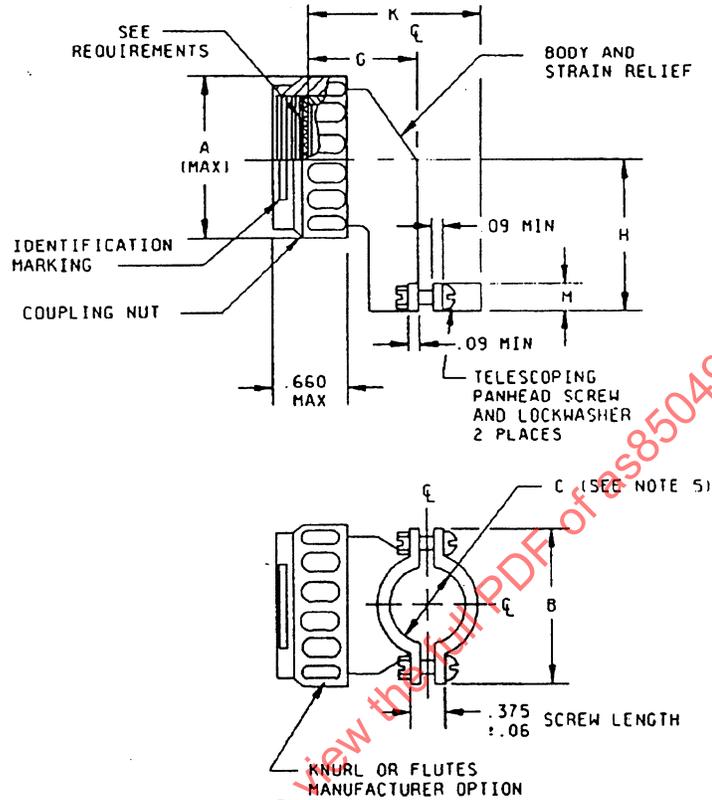
**AEROSPACE STANDARD**

CONNECTOR ACCESSORIES, COMPOSITE, ELECTRICAL, STRAIN RELIEF, 90°, SELF-LOCKING, CATEGORY 4C (FOR MIL-C-38999 SERIES III AND IV CONNECTORS)

**AS85049/92**  
SHEET 1 OF 4

AS85049/92

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.



Inch	mm
.06	1.52
.09	2.29
.375	9.53
.660	16.76

FIGURE 1. CONFIGURATION AND DIMENSIONS.

AS85049/92

## Shell sizes and dimensions.

Shell size	A max dia	B max	C $\pm .031$ dia see note 4	H $\pm .062$	K max	M $\pm .03$	Screw size	G $\pm .062$
9	.858 (21.79)	.980 (24.89)	.219 (5.56)	.875 (22.23)	1.06 (26.92)	.375 (9.53)	4-40	.769 (19.53)
11	.984 (24.99)	1.05 (26.67)	.264 (6.71)	.937 (23.80)	1.10 (27.94)	.375 (9.53)	4-40	.792 (20.12)
13	1.157 (29.39)	1.20 (30.48)	.344 (8.74)	1.031 (26.19)	1.18 (29.97)	.406 (10.31)	6-32	.847 (21.51)
15	1.280 (32.51)	1.30 (33.02)	.460 (11.68)	1.125 (28.58)	1.30 (33.02)	.406 (10.31)	6-32	.890 (22.61)
17	1.406 (35.71)	1.42 (36.07)	.545 (13.84)	1.312 (33.32)	1.38 (35.05)	.406 (10.31)	6-32	.941 (23.90)
19	1.516 (38.51)	1.52 (38.61)	.615 (15.62)	1.375 (34.93)	1.45 (36.83)	.406 (10.31)	6-32	.972 (24.69)
21	1.642 (41.51)	1.64 (41.66)	.698 (17.73)	1.500 (38.10)	1.54 (39.12)	.406 (10.31)	6-32	1.009 (25.63)
23	1.768 (44.91)	1.77 (44.96)	.780 (19.81)	1.625 (41.28)	1.62 (41.15)	.406 (10.31)	6-32	1.050 (26.67)
25	1.890 (48.01)	1.89 (48.01)	.850 (21.59)	1.750 (44.45)	1.69 (42.93)	.406 (10.31)	6-32	1.085 (44.45)

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Millimeters are in parentheses.
4. Dimensions apply after plating.
5. Cable entry is measured with saddle bars closed and bottomed on clamp ears.

FIGURE 1. CONFIGURATION AND DIMENSIONS - CONTINUED.

## REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1.

Interface dimensions: In accordance with MIL-C-85049, figure 3.

Accessory: Consist of a coupling nut, clamp strain relief, and saddle bar. The coupling nut shall be captivated to the clamp and is free to rotate. Accessories will not accommodate connectors using size 8, 4, or 0 contacts.

Clamp shall have no protrusions or sharp edges which may pinch cable.