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THIRD ANGLE PROJECTION



ISSUED 2000-06

PREPARED BY SAE SUBCOMMITTEE AE-8C1



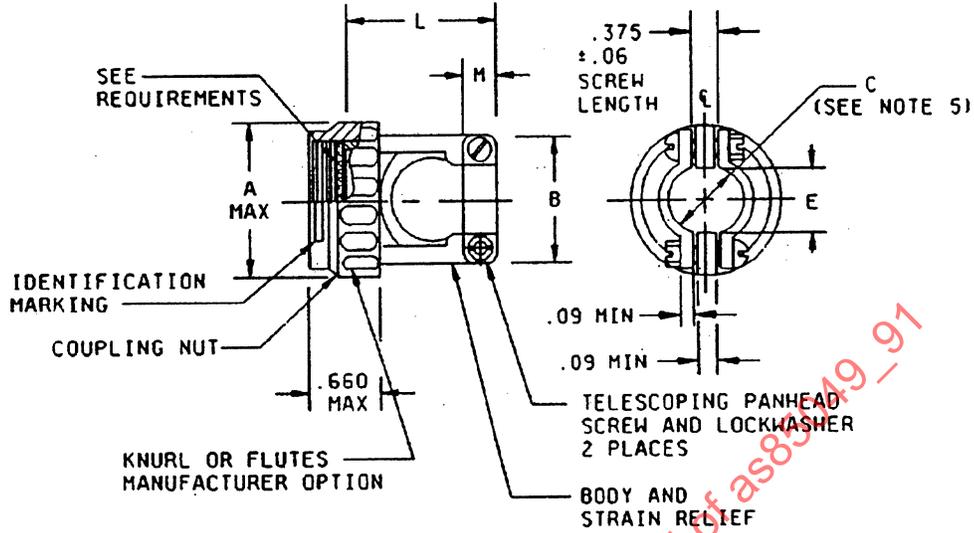
**AEROSPACE STANDARD**

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

**AS85049/91**  
SHEET 1 OF 4

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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: MIL-C-85049.



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

FIGURE 1. CONFIGURATION AND DIMENSIONS.

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## Shell sizes and dimensions.

Shell size	A max dia	B max	C $\pm .031$ dia see note 4	E min	L max	M $\pm .03$	Screw size
9	.858 (21.79)	.980 (24.89)	.219 (5.56)	.229 (5.82)	.840 (21.23)	.375 (9.53)	4-40
11	.984 (24.99)	1.05 (26.67)	.264 (6.71)	.274 (6.96)	.960 (24.28)	.375 (9.53)	4-40
13	1.157 (29.39)	1.20 (30.48)	.344 (8.74)	.354 (8.99)	1.100 (27.94)	.406 (10.31)	6-32
15	1.280 (32.51)	1.30 (33.02)	.460 (11.68)	.470 (11.94)	1.100 (27.94)	.406 (10.31)	6-32
17	1.406 (35.71)	1.42 (36.07)	.545 (13.84)	.555 (14.10)	1.230 (31.24)	.406 (10.31)	6-32
19	1.516 (38.51)	1.52 (38.61)	.615 (15.62)	.625 (15.88)	1.410 (35.81)	.406 (10.31)	6-32
21	1.642 (41.51)	1.64 (41.66)	.698 (17.73)	.708 (17.98)	1.510 (38.35)	.406 (10.31)	6-32
23	1.768 (44.91)	1.77 (44.96)	.780 (19.81)	.790 (20.07)	1.660 (42.16)	.406 (10.31)	6-32
25	1.890 (48.01)	1.89 (48.01)	.850 (21.59)	.860 (21.84)	1.760 (44.70)	.406 (10.31)	6-32

## 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 bars. 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.