

REV. B

SAE AS85049/124

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT / INDUSTRY AND INCORPORATED THE AS85049/124A-A3 AMENDMENT. ALIGN SPECIFICATION WITH SAE GUIDELINES AND REVIEWED SPECIFICATION FOR KNOWN TECHNICAL ISSUES.

NOTICE

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

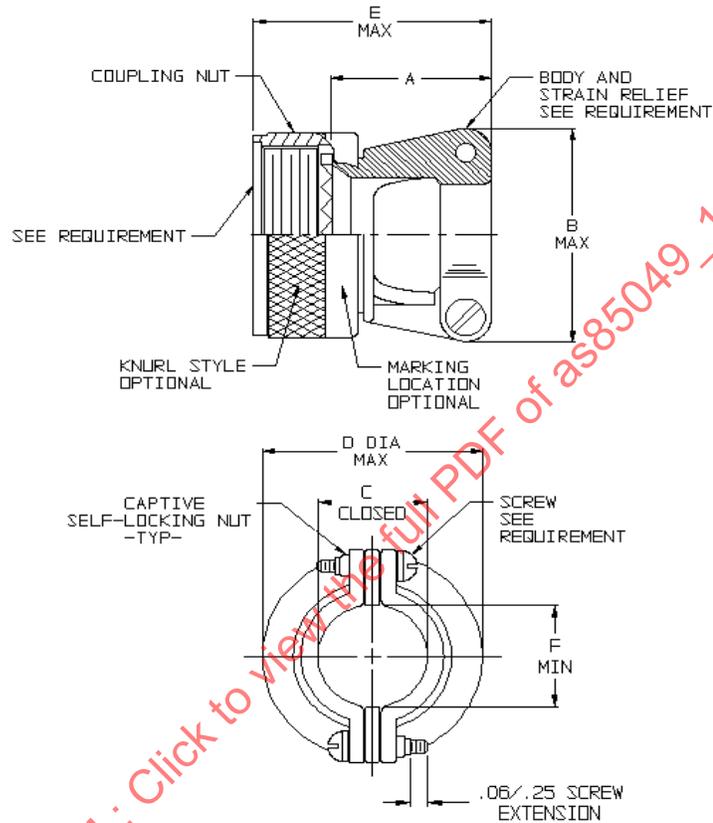


FIGURE 1 - DIMENSION AND CONFIGURATION

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
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AEROSPACE STANDARD

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

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ISSUED 2003-06 REVISED 2011-01

TABLE 1 - SHELL SIZES AND DIMENSIONS

CONNECTOR SHELL SIZE	SHELL SIZE CODE (REF)	A LENGTH 1/	B MAX	C ±.031 DIM 2/	D MAX DIA	E MAX OVERALL LENGTH	F MIN	SCREW SIZE (REF)
-09	A	.77 / .51 (19.6 / 12.9)	.88 (22.4)	.219 (5.56)	.858 (21.79)	1.01 (25.5)	.22 (5.6)	4-40
-11	B	.89 / .64 (22.6 / 16.2)	.94 (23.9)	.264 (6.71)	.984 (24.99)	1.13 (28.6)	.27 (6.9)	4-40
-13	C	1.01 / .76 (27.5 / 19.3)	1.12 (28.4)	.344 (8.74)	1.157 (29.39)	1.25 (31.6)	.35 (8.9)	4-40
-15	D	1.01 / .76 (27.5 / 19.3)	1.19 (30.2)	.460 (11.68)	1.279 (32.49)	1.25 (31.6)	.47 (11.9)	4-40
-17	E	1.13 / .88 (28.7 / 22.4)	1.44 (36.6)	.545 (13.84)	1.406 (35.71)	1.37 (34.7)	.55 (14.0)	4-40
-19	F	1.38 / 1.13 (35.1 / 28.7)	1.56 (39.6)	.615 (15.62)	1.516 (38.51)	1.62 (41.0)	.62 (15.7)	6-32
-21	G	1.51 / 1.26 (38.4 / 31.9)	1.69 (42.9)	.698 (17.73)	1.642 (41.70)	1.75 (44.3)	.70 (17.8)	6-32
-23	H	1.63 / 1.38 (41.4 / 35.1)	1.75 (44.5)	.780 (19.81)	1.768 (44.91)	1.87 (47.4)	.78 (19.8)	6-32
-25	J	1.76 / 1.51 (44.7 / 38.4)	1.88 (47.8)	.850 (21.59)	1.869 (47.47)	2.00 (50.8)	.85 (21.6)	8-32

1/ THE "A" DIMENSION IS MEASURED FROM THE BOTTOM OF THE ACCESSORY TEETH TO THE END OF THE STRAIN RELIEF
2/ CABLE ENTRY IS MEASURED WITH SADDLE BARS CLOSED AND BOTTOMED ON CLAMP EARS.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. DIMENSIONS APPLY AFTER PLATING.
3. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4 mm = 1 INCH.
4. MILLIMETERS ARE IN PARENTHESES.
5. CLAMP ACCOMMODATES AS85049/127 BUSHING.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

1. DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
2. INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049, FIGURE 3.
3. ACCESSORIES CONSIST OF A COUPLING NUT, BODY AND STRAIN RELIEF THE COUPLING NUT SHALL BE CAPTIVATED TO, AND ROTATABLE ON THE BODY.
4. DETENTED SELF-LOCKING PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING. OPTION "N" IS A FREE SPINNING SELF-LOCKING COUPLING.
5. CLAMPS SHALL HAVE NO PROTRUSIONS OR SHARP EDGES WHICH MAY PINCH CABLE.
6. MATERIAL AND FINISH: SEE TABLE 2.
7. LOCKNUTS AND SCREWS: 300 SERIES CORROSION-RESISTANT STEEL, PASSIVATE; SILVER PLATE OPTIONAL.
8. SELF-LOCKING DEVICE: CORROSION RESISTANT MATERIAL.



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