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AS85049™/124

RATIONALE

REVISION IS REQUIRED TO ADD AN INSIDE DIAMETER DIMENSION (G MIN.) TO FIGURE 1 AND TO ADD THE MINIMUM INSIDE DIAMETER VALUES TO TABLE 1 AS REQUESTED BY PRODUCT USERS.

NOTICE

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

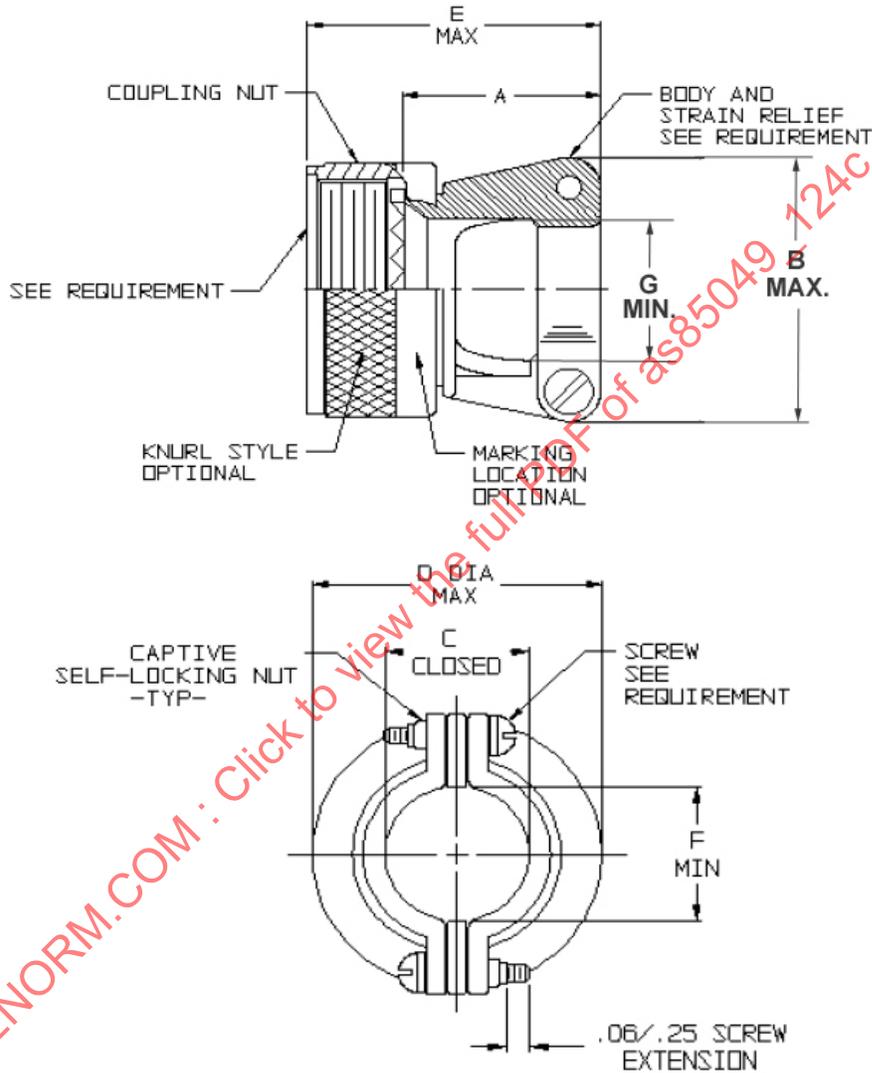
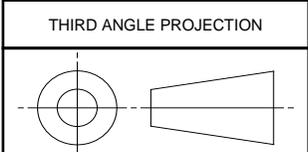


FIGURE 1 - DIMENSIONS AND CONFIGURATION

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



**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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SHEET 1 OF 3

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**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	G 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)	.250 (6.35)	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)	.356 (9.04)	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)	.475 (12.07)	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)	.565 (14.35)	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)	.685 (17.40)	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)	.755 (19.18)	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)	.875 (22.23)	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)	1.010 (25.65)	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)	1.130 (28.70)	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 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.