

REV.A

SAE AS85049/126

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY, REMOVE GOVERNMENT JARGON AND UP-DATE SPECIFICATION REFERENCES.

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

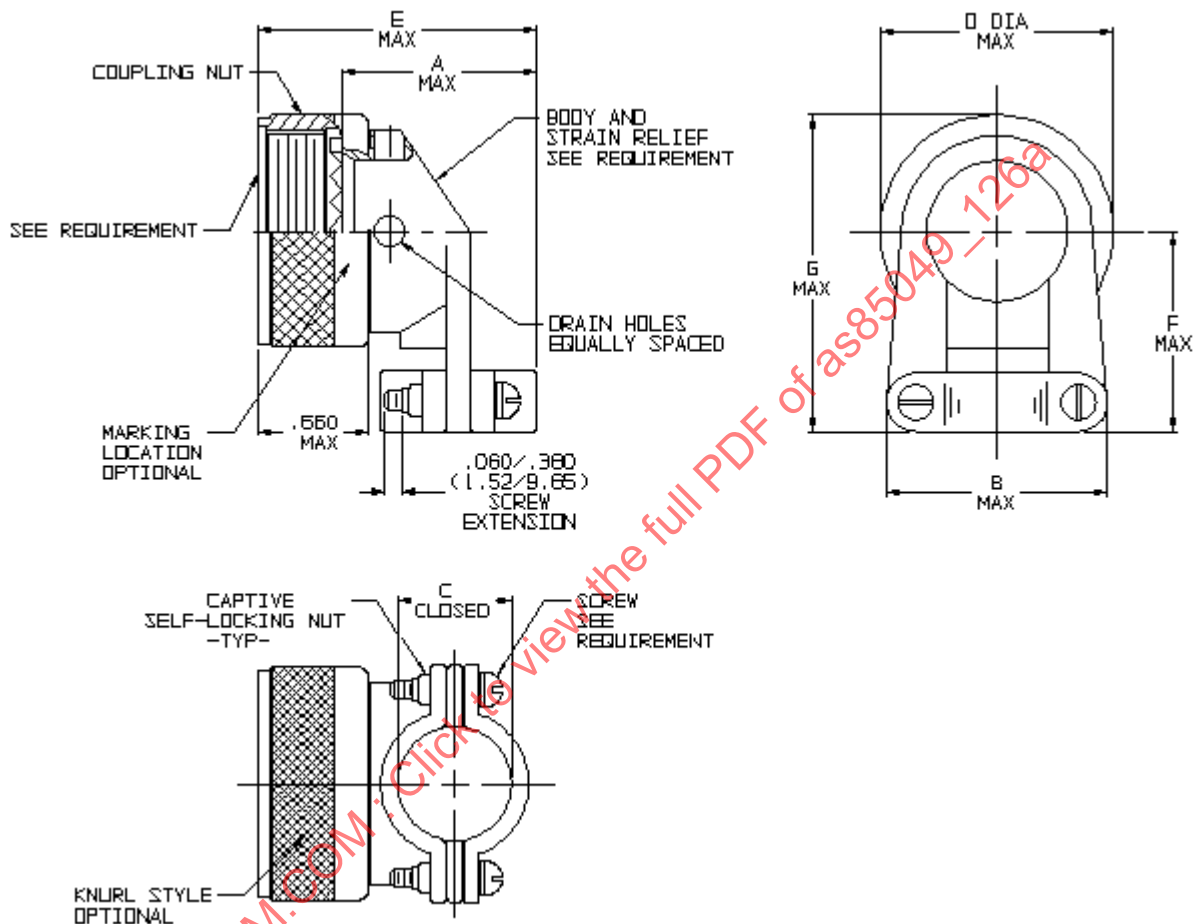
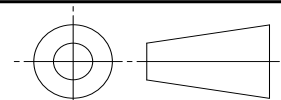


FIGURE 1 - DIMENSIONS AND CONFIGURATION

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS85049/126
SHEET 1 OF 3

REV.
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TABLE 1 - SHELL SIZES AND DIMENSIONS

CONNECTOR SHELL SIZE	SHELL SIZE CODE (REF)	A MAX LENGTH 1/	B MAX	C ±.031 DIM 2/	D MAX DIA	E MAX OVERALL LENGTH	F MAX	G MAX	SCREW SIZE (REF)
09	A	.86 (21.8)	.88 (22.4)	.219 (5.56)	.858 (21.79)	1.14 (29.0)	.81 (20.6)	1.24 (31.5)	4-40
11	B	.94 (23.9)	.94 (23.9)	.264 (6.71)	.984 (24.99)	1.22 (31.0)	.87 (22.1)	1.36 (34.5)	4-40
13	C	1.14 (29.0)	1.12 (28.4)	.344 (8.74)	1.157 (29.39)	1.42 (36.1)	.93 (23.6)	1.51 (38.4)	4-40
15	D	1.20 (30.5)	1.19 (30.2)	.460 (11.68)	1.279 (32.49)	1.48 (37.6)	.99 (25.1)	1.63 (41.4)	4-40
17	E	1.34 (34.0)	1.44 (36.6)	.545 (13.84)	1.406 (35.71)	1.62 (41.1)	1.09 (27.7)	1.76 (44.7)	4-40
19	F	1.46 (37.1)	1.56 (39.6)	.615 (15.62)	1.516 (38.51)	1.74 (44.2)	1.23 (31.2)	1.99 (50.5)	6-32
21	G	1.58 (40.1)	1.69 (42.9)	.698 (17.73)	1.642 (41.70)	1.86 (47.2)	1.30 (33.0)	2.12 (53.8)	6-32
23	H	1.71 (43.4)	1.75 (44.5)	.780 (19.81)	1.768 (44.91)	1.99 (50.5)	1.36 (34.5)	2.24 (56.9)	6-32
25	J	1.83 (46.5)	1.88 (47.8)	.850 (21.59)	1.869 (47.47)	2.11 (53.6)	1.42 (36.1)	2.35 (59.7)	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:

- DIMENSIONS ARE IN INCHES.
- DIMENSIONS APPLY AFTER PLATING.
- METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED ON 25.4 MM = 1 INCH.
- MILLIMETERS ARE IN PARENTHESES.
- STRAIN RELIEF ACCOMMODATES SAE AS85049/127 BUSHING STRIP.

REQUIREMENTS

DESIGN AND CONSTRUCTION:

- DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
- INTERFACE DIMENSIONS SHALL CONFORM TO SAE AS85049, FIGURE 3.
- ACCESSORIES CONSIST OF A COUPLING NUT AND STRAIN RELIEF. THE COUPLING NUT SHALL BE CAPTIVATED TO, AND ROTATABLE ON THE BODY.
- DETENTED SELF-LOCKING PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING.
- CLAMPS SHALL HAVE NO PROTRUSIONS OR SHARP EDGES WHICH MAY PINCH CABLE.
- MATERIAL AND FINISH: SEE TABLE 2. ACCESSORIES SHALL BE AS SHOWN IN TABLE 2.
- SCREWS AND LOCKNUTS: CORROSION-RESISTANT STEEL, PASSIVATE. SILVER PLATE OPTIONAL.
- SELF-LOCKING DEVICE: CORROSION RESISTANT MATERIAL.