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SAE AS85049/126

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT / INDUSTRY AND INCORPORATED THE AS85049/126A-A1 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.

FEDERAL SUPPLY CLASS
5935

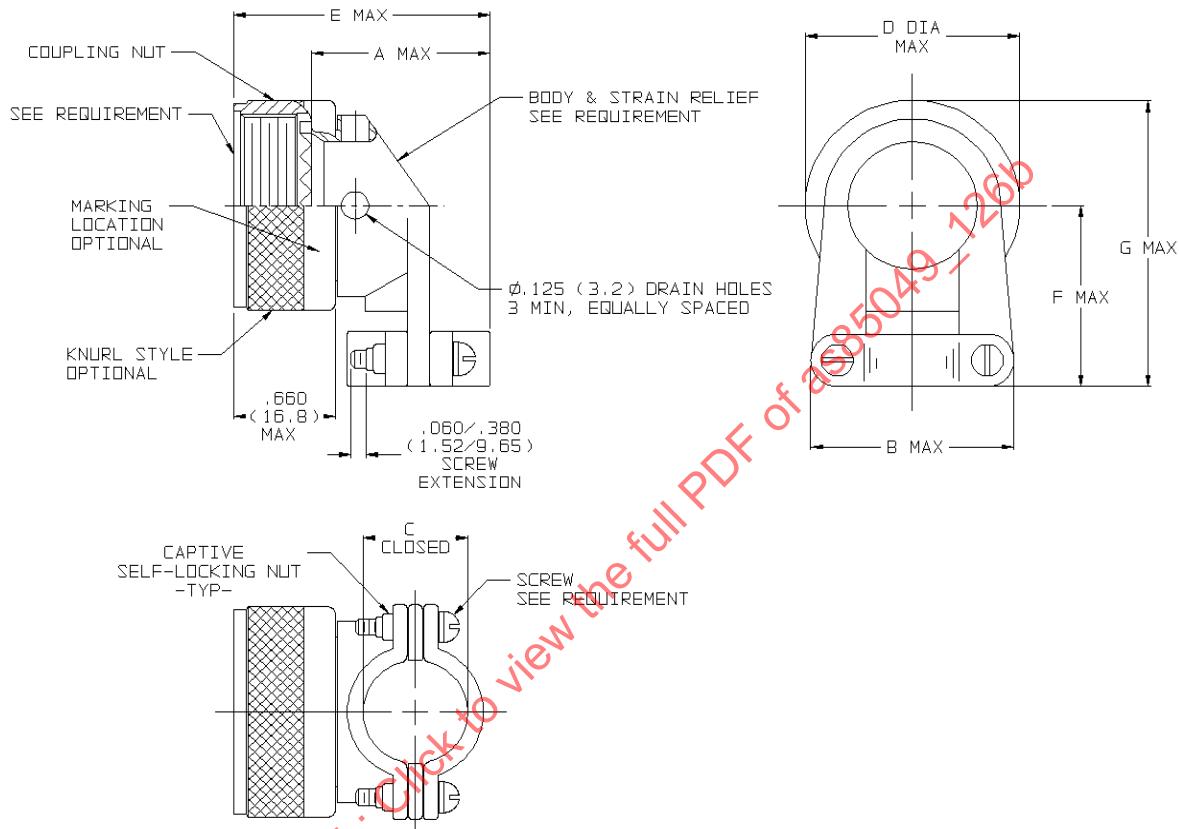
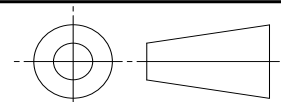


FIGURE 1 - DIMENSIONS AND CONFIGURATION

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS85049/126B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) 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

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ISSUED 2003-06 REVISED 2011-02

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:

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. UNLESS OTHERWISE SPECIFIED TOLERANCES SHALL BE: .XX = ± .03 AND .XXX = ± .015 ANGULAR TOLERANCES X = ± 2.
6. STRAIN RELIEF ACCOMMODATES AS85049/127 BUSHING STRIP.

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.