

REV.  
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AS85049/92

FEDERAL SUPPLY CLASS  
5935

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: AS85049.

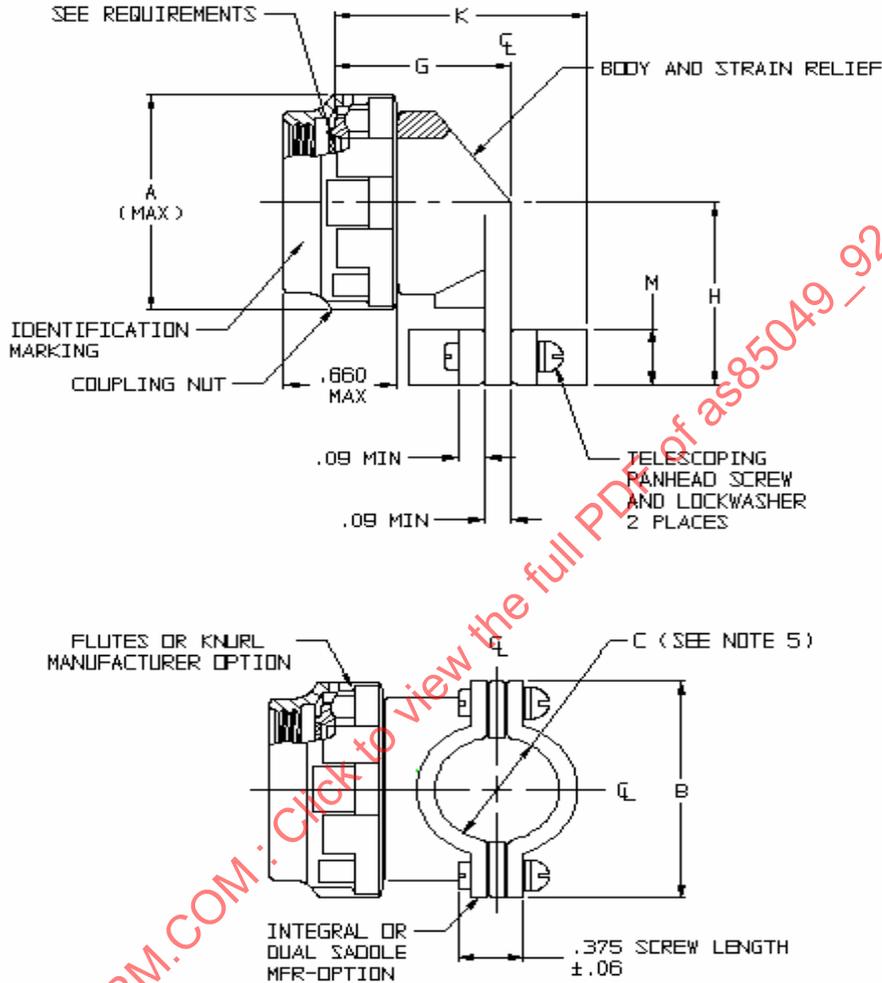
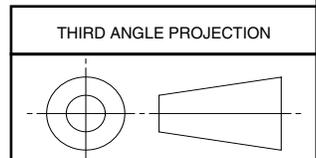


FIGURE 1 - CONFIGURATION AND DIMENSIONS



CUSTODIAN: SAE AE-8/AE-8C1

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

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

**AS85049/92**  
SHEET 1 OF 3

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ISSUED 2000-06 REVISED 2004-09

## SHELL SIZES AND DIMENSIONS

SHELL SIZE	A MAX DIA	B MAX	C ±.031 DIA SEE NOTE 5	H ±.062	K MAX	M ±.03	SCREW SIZE SEE NOTE 6	G MAX
09	.858 (21.79)	.980 (24.89)	.219 (5.56)	.875 (22.23)	1.06 (26.92)	.375 (9.53)	4-40	.769 (19.53)
11	.984 (24.99)	1.05 (26.67)	.264 (6.71)	.937 (23.80)	1.10 (27.94)	.375 (9.53)	4-40	.792 (20.12)
13	1.157 (29.39)	1.20 (30.48)	.344 (8.74)	1.031 (26.19)	1.18 (29.97)	.406 (10.31)	6-32	.847 (21.51)
15	1.280 (32.51)	1.30 (33.02)	.460 (11.68)	1.125 (28.58)	1.30 (33.02)	.406 (10.31)	6-32	.890 (22.61)
17	1.406 (35.71)	1.42 (36.07)	.545 (13.84)	1.312 (33.32)	1.38 (35.05)	.406 (10.31)	6-32	.941 (23.90)
19	1.516 (38.51)	1.52 (38.61)	.615 (15.62)	1.375 (34.93)	1.45 (36.83)	.406 (10.31)	6-32	.972 (24.69)
21	1.642 (41.51)	1.64 (41.66)	.698 (17.73)	1.500 (38.10)	1.54 (39.12)	.406 (10.31)	6-32	1.009 (25.63)
23	1.768 (44.91)	1.77 (44.96)	.780 (19.81)	1.625 (41.28)	1.62 (41.15)	.406 (10.31)	6-32	1.050 (26.67)
25	1.890 (48.01)	1.89 (48.01)	.850 (21.59)	1.750 (44.45)	1.69 (42.93)	.406 (10.31)	6-32	1.085 (44.45)

FIGURE 1 - CONFIGURATION AND DIMENSIONS (CONTINUED)

## NOTES:

- DIMENSIONS ARE IN INCHES.
- METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.
- MILLIMETERS ARE IN PARENTHESES.
- DIMENSIONS APPLY AFTER PLATING.
- CABLE ENTRY IS MEASURED WITH SADDLE BARS CLOSED AND BOTTOMED ON CLAMP EARS.
- SCREW ASSEMBLY IAW: NAS720C4-6 OR NAS720C6-6 OR EQUIVALENT.
- PART SUPPLIED WITH DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING, OPTION 'N' IS A FREE SPINNING SELF-LOCKING COUPLING.

## REQUIREMENTS:

## DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATION: SEE FIGURE 1.

INTERFACE DIMENSIONS: IN ACCORDANCE WITH AS85049, FIGURE 3.

ACCESSORY: CONSIST OF A COUPLING NUT, CLAMP STRAIN RELIEF, AND SADDLE BAR. 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.