

**REV.
A**

AS85049™/135

RATIONALE

SAE FIVE-YEAR REVIEW CORRECTION.

NOTICE

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

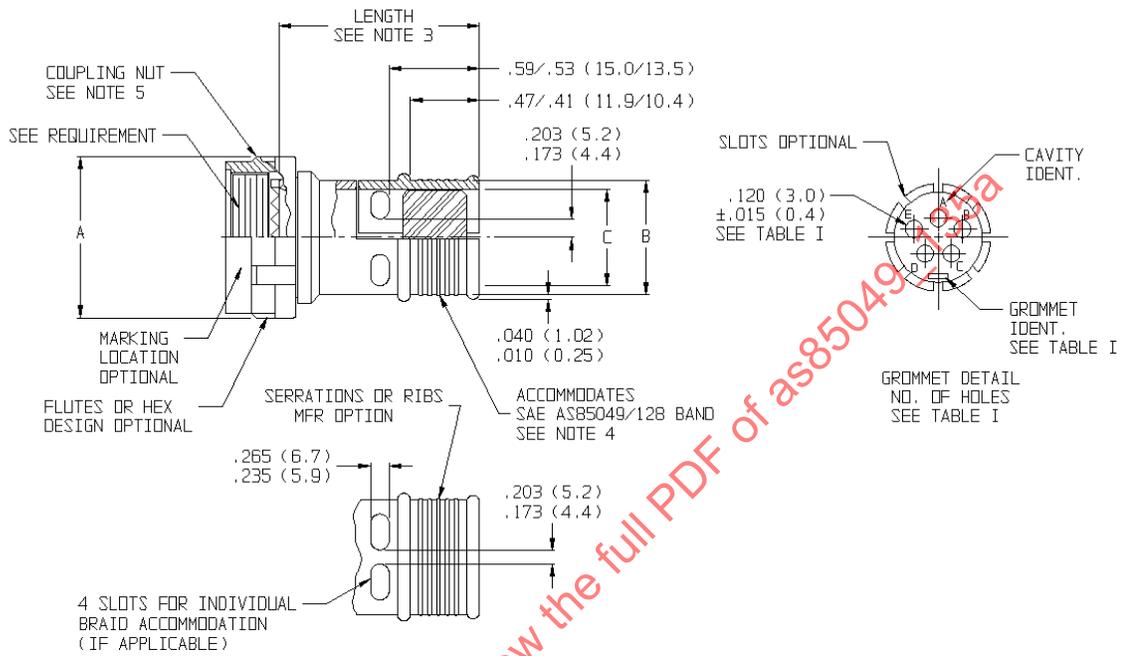
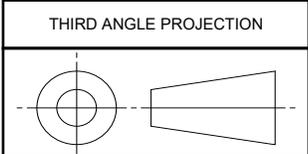


FIGURE 1 - CONFIGURATION AND DIMENSIONS

SAENORM.COM : Click to view the full PDF of as85049/135

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/135A>



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, FIBER OPTIC
BACKSHELL, SPLIT, STRAIGHT, SELF-LOCKING
CATEGORY 3B FOR MIL-DTL-38999 SERIES III
AND AS5590/1 CONNECTORS

AS85049™/135
SHEET 1 OF 3

**REV.
A**

SAE Executive Standards Committee Rules provide that: " This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

ISSUED 2007-06 REAFFIRMED 2017-08 REVISED 2023-07

TABLE 1 - SHELL SIZE AND DIMENSIONS

SHELL SIZE	SHELL SIZE CODE (REF)	ARRANGEMENT NUMBER	A MAX DIA	B ±.03 (±0.8) DIA	C ±.03 (±0.8) DIA	GROMMET IDENT	NUMBER GROMMET HOLES
09	A	-1	.86 (21.8)	.63 (16.0)	.47 (11.9)	9- 1	1
		-2				9- 2	2
11	B	-2	.98 (24.9)	.63 (16.0)	.47 (11.9)	11- 2	2
		-4				11- 4	4
13	C	-4	1.16 (29.5)	.87 (22.1)	.71 (18.0)	13- 4	4
		-5				13- 5	5
15	D	-5	1.28 (32.5)	.87 (22.1)	.71 (18.0)	15- 5	5
		-6				15- 6	6
17	E	-6	1.41 (35.8)	1.17 (29.7)	1.01 (25.7)	17- 6	6
		-8				17- 8	8
19	F	-11	1.52 (38.6)	1.17 (29.7)	1.01 (25.7)	19-11	11
		-12				19-12	12
21	G	-16	1.64 (41.7)	1.42 (36.1)	1.26 (32.0)	21-16	16
		-21				21-21	21
23	H	-21	1.77 (45.0)	1.73 (43.9)	1.57 (39.9)	23-21	21
		-25				23-25	25
25	J	-29	1.89 (48.0)	1.73 (43.9)	1.57 (39.9)	25-29	29
		-37				25-37	37

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

- DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS IN PARENTHESES ARE FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.000 INCH (25.40 MM).
- DIMENSIONS APPLY AFTER PLATING. ACCESSORY CONFIGURATION IS OPTIONAL WITHIN THE DIMENSION ENVELOPE SPECIFIED IN FIGURE 1 AND TABLE 1.
- ADAPTER LENGTH IS MEASURED FROM THE BOTTOM OF THE ACCESSORY TEETH TO THE END OF THE ADAPTER.
- SPLIT SECTION RETENTION, GROMMET COMPRESSION, AND TERMINATION OF OVERALL/INDIVIDUAL BRAID (AS APPLICABLE) ACCOMPLISHED BY INSTALLING AS85049/128 BAND.
- PART SUPPLIED WITH STANDARD DETENTED SELF-LOCKING WHICH PROVIDES A POSITIVE AUDIBLE DETENTED COUPLING. OPTION 'N' IS A FREE SPINNING SELF-LOCKING COUPLING.
- NUMBER OF FILLER PLUGS SUPPLIED; ARRANGEMENT; -1 & -2 = 0 EA, -4, -5, -6, & -8 = 1 EA, 11, -12, & -16 = 2 EA, -21, -25, & -29 = 3 EA, & -37 = 4 EA. FOR ADDITIONAL FILLER PLUGS, REFER TO AS85049/134.

REQUIREMENTS:

- DESIGN AND CONSTRUCTION:
 DIMENSIONS AND CONFIGURATION: SEE FIGURE 1 AND TABLE 1.
 INTERFACE DIMENSIONS: SHALL CONFORM TO AS85049, FIGURE 3.
 COUPLING NUT: SHALL BE CAPTIVATED TO THE ADAPTER BODY AND ROTATABLE.
- MATERIAL AND FINISH:
 ADAPTER, COUPLING: IN ACCORDANCE WITH AS85049 AND TABLE 2 HEREIN.
 GROMMET: IN ACCORDANCE WITH AS85049.

	AEROSPACE STANDARD CONNECTOR ACCESSORIES, FIBER OPTIC BACKSHELL, SPLIT, STRAIGHT, SELF-LOCKING CATEGORY 3B FOR MIL-DTL-38999 SERIES III AND AS5590/1 CONNECTORS	AS85049™/135 SHEET 2 OF 3	REV. A