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SAE AS85049/137

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS85049/137 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS85049.

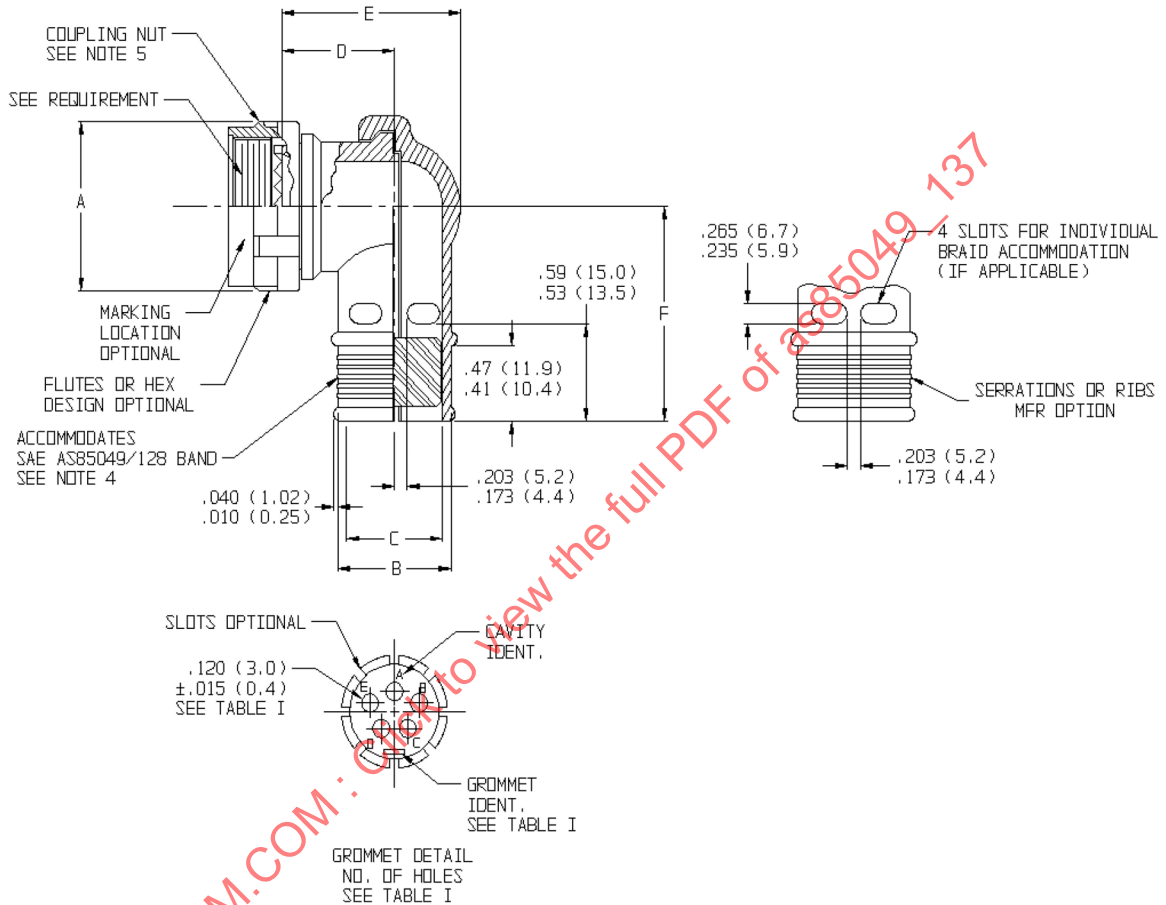
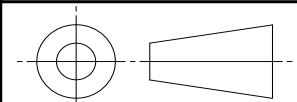


FIGURE 1 - CONFIGURATION AND DIMENSIONS

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS85049/137>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR ACCESSORIES, FIBER OPTIC BACKSHELL,
SPLIT, 90°, SELF-LOCKING CATEGORY 3B FOR
MIL-DTL-38999 SERIES III AND AS5590/1 CONNECTORS

SAE AS85049/137
SHEET 1 OF 3

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ISSUED 2007-06 REAFFIRMED 2012-07

TABLE 1 - SHELL SIZE AND DIMENSIONS

SHELL SIZE	SHELL SIZE CODE (REF)	ARRANGEMENT NUMBER	A MAX DIA	B ± 0.03 (± 0.8) DIA	C ± 0.03 (± 0.8) DIA	D MAX DIM	E MAX DIM	F MAX DIM	GROMMET IDENT	NUMBER GROMMET HOLES
09	A	-1	.86	.63	.47	1.03	1.339	1.995	9-1	1
		-2	(21.8)	(16.0)	(11.9)	(26.2)	(34.01)	(50.67)	9-2	2
11	B	-2	.98	.63	.47	1.10	1.465	2.055	11-2	2
		-4	(24.9)	(16.0)	(11.9)	(27.9)	(37.21)	(52.20)	11-4	4
13	C	-4	1.16	.87	.71	1.16	1.589	2.125	13-4	4
		-5	(29.5)	(22.1)	(18.0)	(29.5)	(40.36)	(53.98)	13-5	5
15	D	-5	1.28	.87	.71	1.22	1.715	2.185	15-5	5
		-6	(32.5)	(22.1)	(18.0)	(31.0)	(43.56)	(55.50)	15-6	6
17	E	-6	1.41	1.17	1.01	1.31	1.901	2.245	17-6	6
		-8	(35.8)	(29.7)	(25.7)	(33.3)	(48.29)	(57.02)	17-8	8
19	F	-11	1.52	1.17	1.01	1.37	2.025	2.263	19-11	11
		-12	(38.6)	(29.7)	(25.7)	(34.8)	(51.44)	(57.48)	19-12	12
21	G	-16	1.64	1.42	1.26	1.37	2.025	2.405	21-16	16
		-21	(41.7)	(36.1)	(32.0)	(34.8)	(51.44)	(61.09)	21-21	21
23	H	-21	1.77	1.73	1.57	1.44	2.152	2.435	23-21	21
		-25	(45.0)	(43.9)	(39.9)	(36.6)	(54.66)	(61.85)	23-25	25
25	J	-29	1.89	1.73	1.57	1.56	2.403	2.495	25-29	29
		-37	(48.0)	(43.9)	(39.9)	(39.6)	(61.04)	(63.37)	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 PARENTHESIS ARE FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.000 in (25.40 mm).
- DIMENSIONS APPLY AFTER PLATING. ACCESSORY CONFIGURATION IS OPTIONAL WITHIN THE DIMENSION ENVELOPE SPECIFIED IN FIGURE 1/TABLE 1.
- ADAPTER LENGTH IS MEASURED FROM THE BOTTOM OF THE ACCESSORY TEETH TO THE SPLIT CENTERLINE OF THE ELBOW.
- 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.

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.