REV D

AS85049 TM/17

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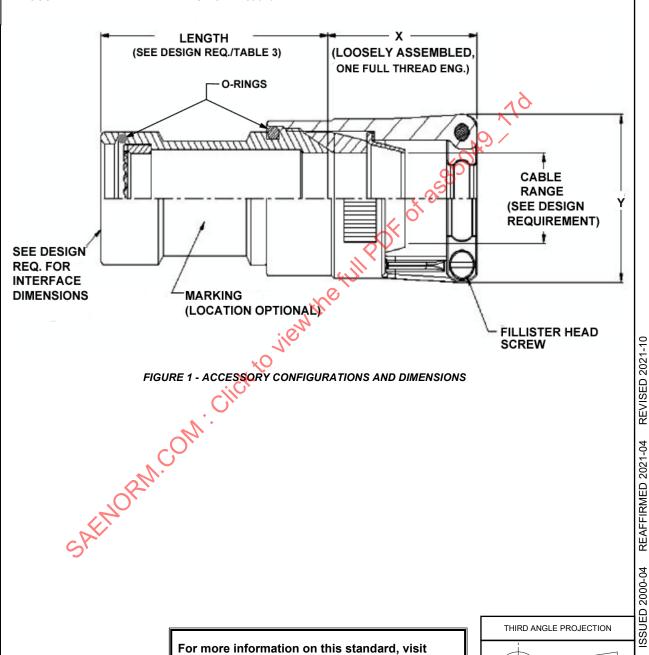
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RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO REMOVE THE "DASH" BETWEEN THE DETAIL SHEET NUMBER AND THE SHELL SIZE IN THE PART NUMBER EXAMPLE TO AVOID ANY PROCUREMENT ISSUES. THE DASH WAS INADVERTENTLY ADDED DURING THE LAST REVISION.

NOTICE

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



PROCUREMENT SPECIFICATION: AS85049



CUSTODIAN: AE-8/AE-8C1

AEROSPACE STANDARD

https://www.sae.org/standards/content/AS85049/17D

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 2B (FOR MIL-DTL-38999 SERIES I AND II CONNECTORS)

AS85049™/17 SHEET 1 OF 4

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TABLE 1 - ACCESSORY SHELL SIZE, CONNECTOR SHELL SIZE AND CLAMP SIZE

ACCESSORY	CONNECTOR SHELL SIZE		MIN. CLAMP	MAX. CLAMP
SHELL SIZE	SERIES II	SERIES I	SIZE	SIZE
08	8	9	01	02
10	10	11	01	03
12	12	13	02	04
14	14	15	02	05
16	16	17	02	06
18	18	19	03	07
20	20	21	03	08
22	22	23	03	09
24	24	25	04	10

TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP	CABLE RANGE			- NO /
SIZE	MIN	MAX	Y DIM. MAX	X MAX
01	.062 (1.57)	.125 (3.18)	.781 (19.84)	85
02	.125 (3.18)	.250 (6.35)	.969 (24.61%)	1.250 (31.75)
03	.250 (6.35)	.375 (9.53)	1.062 (26.97)	1.230 (31.73)
04	.375 (9.53)	.500 (12.70)	1.156 (29.36)	
05	.500 (12.70)	.625 (15.88)	1.250 (31.75)	1.312 (33.32)
06	.625 (15.88)	.750 (19.05)	1.375 (34.93)	1.375 (34.93)
07	.750 (19.05)	.875 (22.23)	1.500 (38.10)	1.500 (38.10)
08	.875 (22.23)	1.000 (25.40)	1.625 (41.28)	
09	1.000 (25.40)	1.125 (28.58)	1.750 (44.45)	1.625 (41.28)
10	1.125 (28.58)	1.250 (31.75)	1.875 (47.63)	

TABLE 1- ACCESSORY BODY LENGTH

CODE	LENGTH IN INCHES ± .032 (0.81)
STANDARD	1.50 (38.1)
Α	2.50 (63.5)
В	3.50 (88.9)
С	4.50 (114.3)



ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 2B (FOR MIL-DTL-38999 SERIES I AND II

CONNECTORS)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS85049.

1. DESIGN AND CONSTRUCTION:

ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. METRIC EQUIVALENTS ARE IN PARENTHESIS, ARE GIVEN FOR GENERAL INFORMATION ONLY, AND ARE BASED UPON 1 INCH = 25.4 MM.

INTERFACE DIMENSIONS: IN ACCORDANCE WITH AS85049, FIGURE 2.

STANDARD MINIMUM LENGTH IS 1.5 INCH ± .032 INCH (38.1 MM ± 0.81 MM) SEE TABLE 3 FOR LONGER LENGTHS.

SEE TABLE 1 FOR MINIMUM AND MAXIMUM CLAMP SIZE AVAILABLE WITH EACH ACCESSORY SHELL SIZE. SEE TABLE 2 FOR CABLE RANGE FOR EACH CLAMP SIZE.

2. MATERIAL AND FINISH: AS SPECIFIED IN TABLE 4 AND AS LISTED BELOW.

GROMMET AND O-RINGS: IN ACCORDANCE WITH AS85049.

CLAMP ASSEMBLY SCREWS: CORROSION RESISTANT STEEL IN ACCORDANCE WITH AS85049, PASSIVATED.

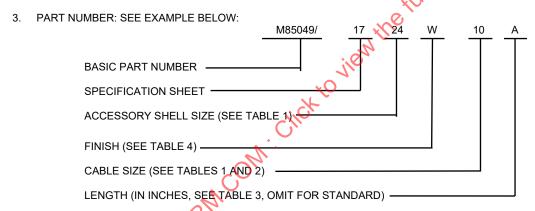
WASHER-POLYTETRAFLUOROETHYLENE (PTFE).

TABLE 4 - MATERIAL AND FINISH

		~ V
	MATERIAL	FINISH
ACCESSORY COMPONENTS	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	N 1/, W 2/, X, Z 2/

^{1/} N FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO SALT WATER CORROSION.

^{2/} W AND Z FINISHES NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO OUT GASSING (ALSO SEE SPECIFICATION NOTES).



4. SIMPLIFIED ASSEMBLY INSTRUCTIONS SHALL BE PACKAGED WITH EACH ACCESSORY.

QUALIFICATION: IN ACCORDANCE WITH AS85049, CATEGORY 2B.

