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AS85049™/149

FEDERAL SUPPLY CLASS
5935

RATIONALE

THIS DETAIL SPECIFICATION SHEET IS REQUIRED TO STANDARDIZE COMMERCIAL CONNECTOR ACCESSORIES FOR USER APPLICATIONS.

NOTICE

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

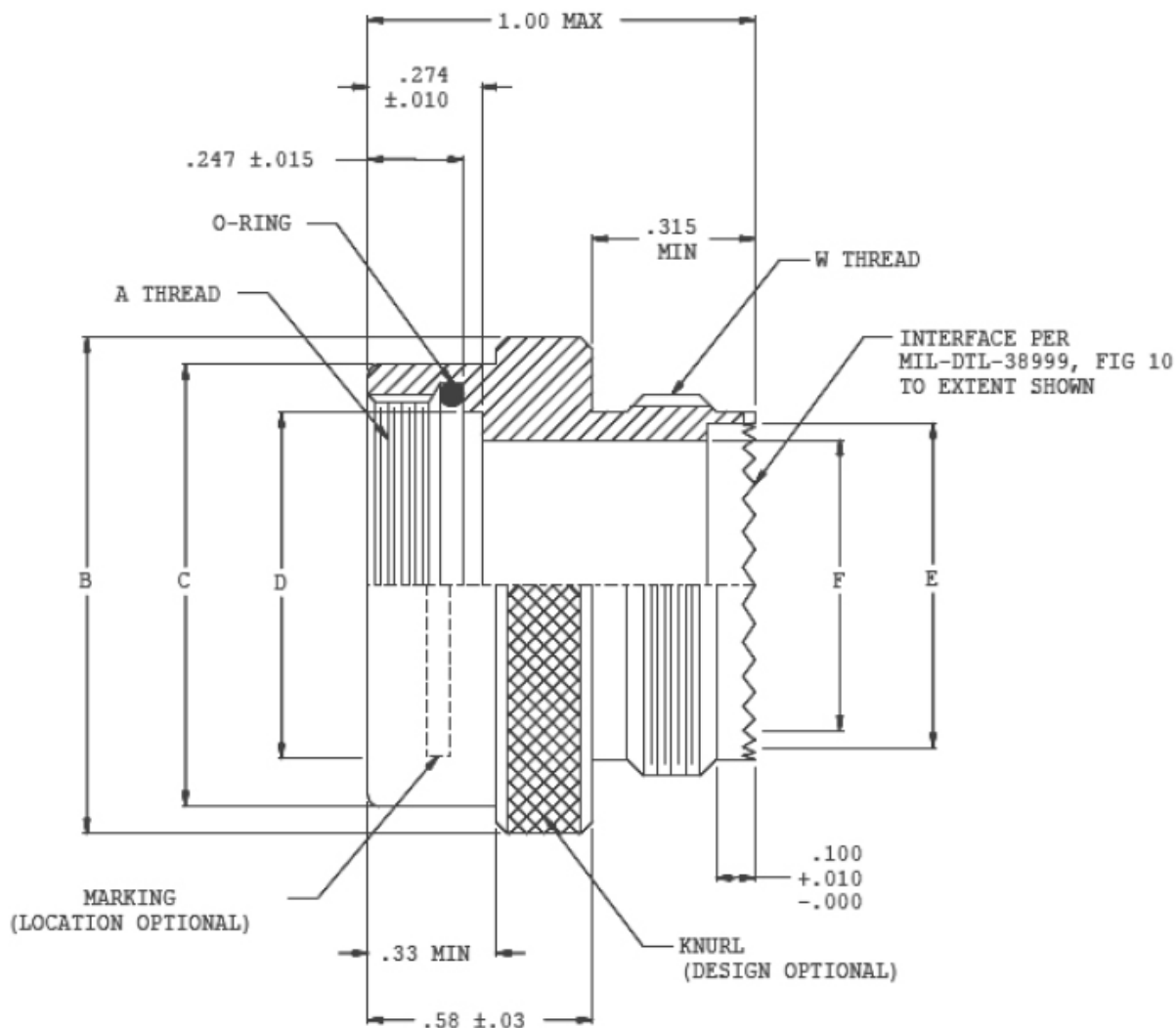
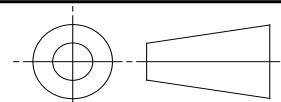


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/149>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL
BACKSHELL, EXTENDER, CATEGORY 7,
(FOR USE ON MIL-DTL-38999/44 CONNECTORS)

AS85049™/149
SHEET 1 OF 3

Documents

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TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.010	0.254	.247	6.27	.58	14.73
.015	0.381	.274	6.96	1.00	25.40
.03	0.76	.315	8.00		
.100	2.54	.33	8.38		

TABLE 2 - SHELL SIZE AND DIMENSIONS

CONNECTOR ACCESSORY SHELL SIZE	SHELL SIZE CODE (REF)	A THREAD	B MAX.	C MAX.	D MIN.	E MAX.	F MIN	W THREAD
11	B	M15 X 1.0 6H	1.046 (26.57)	.765 (19.43)	.539 (13.69)	.475 (12.07)	.432 (11.00)	M15 X 1.0-6g 0.100R
13	C	M18 X 1.0 6H	1.169 (29.69)	.888 (22.56)	.658 (16.71)	.589 (14.96)	.546 (13.90)	M18 X 1.0-6g 0.100R
15	D	M22 X 1.0 6H	1.287 (32.69)	1.006 (25.55)	.815 (20.70)	.714 (18.14)	.671 (17.04)	M22 X 1.0-6g 0.100R
17	E	M25 X 1.0 6H	1.423 (36.14)	1.142 (29.01)	.933 (23.70)	.839 (21.31)	.796 (20.21)	M25 X 1.0-6g 0.100R
19	F	M28 X 1.0 6H	1.537 (39.04)	1.256 (31.90)	1.051 (26.70)	.945 (24.00)	.902 (22.91)	M28 X 1.0-6g 0.100R
21	G	M31 X 1.0 6H	1.663 (42.24)	1.382 (35.10)	1.169 (29.70)	1.070 (27.18)	1.027 (26.10)	M31 X 1.0-6g 0.100R
23	H	M34 X 1.0 6H	1.787 (45.39)	1.506 (38.25)	1.287 (32.70)	1.194 (30.33)	1.152 (29.30)	M34 X 1.0-6g 0.100R
25	J	M37 X 1.0 6H	1.913 (48.59)	1.632 (41.45)	1.405 (35.70)	1.320 (33.53)	1.277 (32.43)	M37 X 1.0-6g 0.100R

TABLE 3 - MATERIAL AND FINISH

FIGURE 1	MATERIAL	FINISH CODE
ADAPTER	ALUMINUM ALLOY IN ACCORDANCE WITH AS85049	N 1/, W 2/, X, Y, Z 2/
EXTENDER	CORROSION RESISTANT STEEL IN ACCORDANCE WITH AS85049	B 2/, S, XS, YS, ZS 2/
O-RING	FLUOROSILICONE IN ACCORDANCE WITH AS85049	N/A

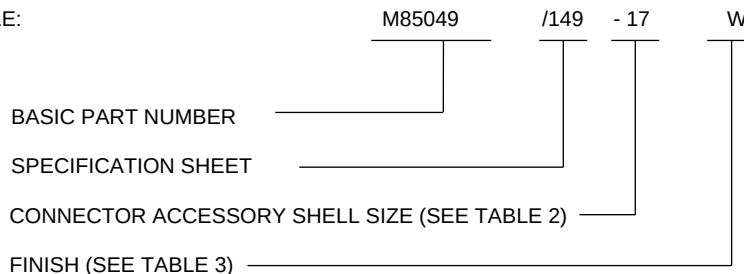
1/ N FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO SALT WATER CORROSION.

2/ W, B, Z, AND ZS FINISHES NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO OUT GASSING (SEE SPECIFICATION NOTES).

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

1. DESIGN: THE CONNECTOR ACCESSORY SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLES 2 AND 3. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. METRIC EQUIVALENTS IN TABLE 1 ARE GIVEN FOR INFORMATION PURPOSES ONLY AND ARE BASED ON 1 INCH = 25.4 MM.
2. QUALIFICATION: AS85049 CATEGORY 7.
3. PART NUMBER: SEE EXAMPLE BELOW

EXAMPLE:



	AEROSPACE STANDARD	AS85049™/149 SHEET 2 OF 3	
	CONNECTOR ACCESSORIES, ELECTRICAL BACKSHELL, EXTENDER, CATEGORY 7, (FOR USE ON MIL-DTL-38999/44 CONNECTORS)		



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