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REV.
C

AS85049™/78

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 AS STANDARD FORMAT, REMOVE IMAGES, ADD FINISH TABLE, CLARIFY RESTRICTIONS AND ADD METRIC EQUIVALENTS .660 (16.76), .020 (0.51) TO FIGURES, AND ADD WASHER – POLYTETRAFLUOROETHYLENE (PTFE) UNDER MATERIALS REQUIREMENT.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049. SEE APPLICATION NOTE 1.

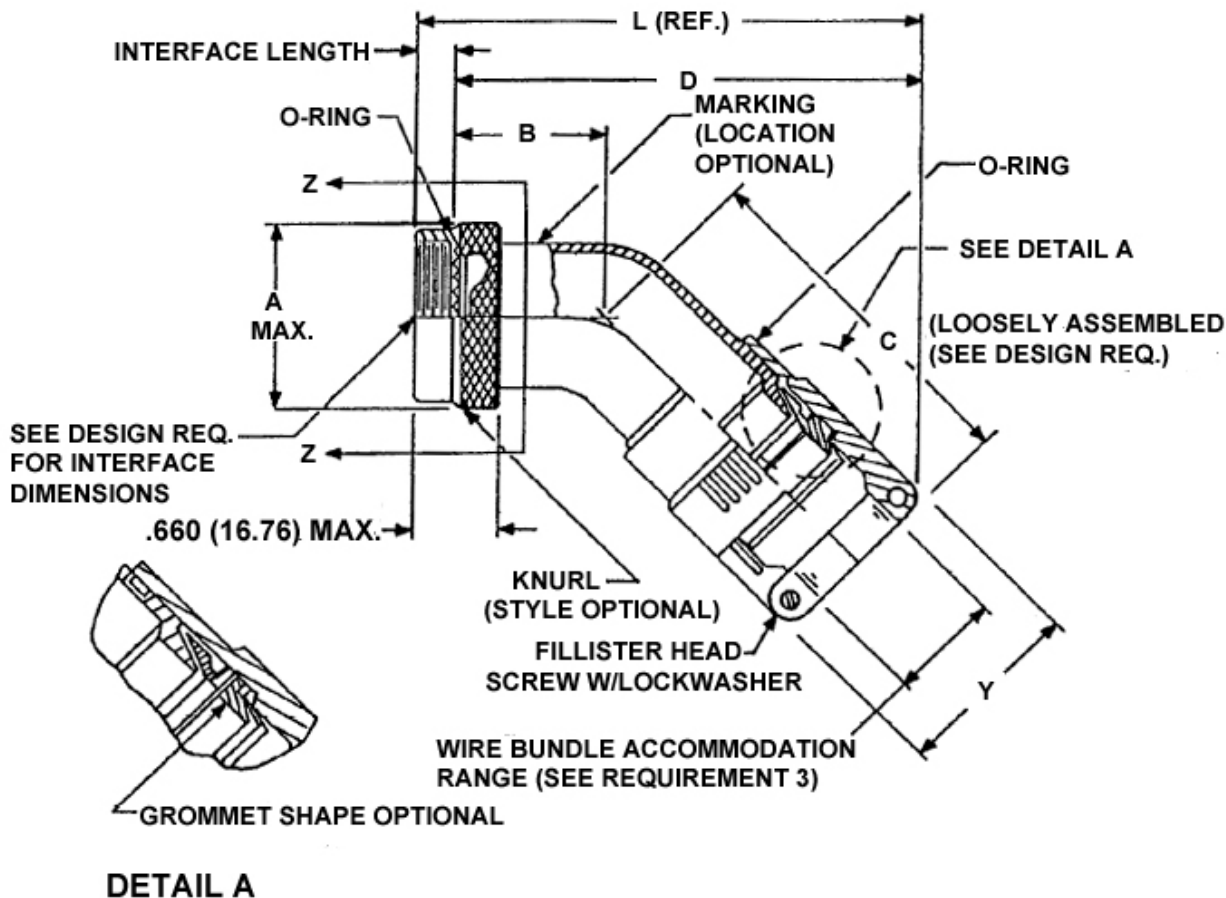
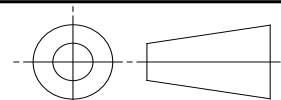


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/78C/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
ENVIRONMENTAL, 45°, SHIELD TERMINATION,
CATEGORY 2B, NONSELF-LOCKING
(MIL-DTL-38999 SERIES III AND IV CONNECTORS)

AS85049™/78
SHEET 1 OF 4

REV.
C

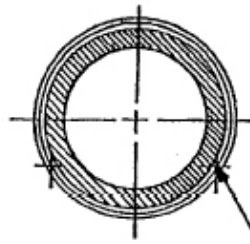
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HOLES FOR .020 (0.51)
MAX. DIA. SAFETY WIRE
(3 REQUIRED, EQUALLY SPACED)

VIEW Z-Z

FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS (CONTINUED, SAFETY WIRE HOLES)

TABLE 1 - CONNECTOR SHELL SIZE AND CLAMP SIZE

ACCESSORY SHELL SIZE	CLAMP SIZE (SEE TABLE 2) 1/	A MAX. DIA. OF COUPLING RING	B ±.062 (1.57)	C ±.062 (1.57)	D MAX.	L (REF.)
09	01 THROUGH 02	.75 (19.1)	.398 (10.1)	3.088 (78.4)	3.06 (77.72)	3.31 (84.07)
11	01 THROUGH 03	.85 (21.6)	.458 (11.6)	3.148 (80.0)	3.20 (81.28)	3.45 (87.63)
13	02 THROUGH 04	1.00 (25.4)	.518 (13.2)	3.208 (81.5)	3.34 (84.84)	3.59 (91.19)
15	02 THROUGH 05	1.15 (29.2)	.588 (14.9)	3.298 (83.8)	3.49 (88.65)	3.74 (95.00)
17	02 THROUGH 06	1.25 (31.8)	.678 (17.2)	3.408 (86.6)	3.71 (94.23)	3.96 (100.58)
19	03 THROUGH 07	1.40 (35.6)	.868 (22.0)	3.598 (91.4)	4.01 (101.85)	4.32 (109.73)
21	03 THROUGH 08	1.55 (39.4)	.868 (22.0)	3.598 (91.4)	4.13 (104.90)	4.38 (111.25)
23	03 THROUGH 09	1.65 (41.9)	.958 (24.3)	3.748 (95.2)	4.36 (110.74)	4.61 (117.09)
25	04 THROUGH 10	1.85 (47.0)	.958 (24.3)	3.748 (95.2)	4.41 (112.01)	4.66 (118.36)

1/ SEE REQUIREMENT 2.

TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP SIZE	WIRE BUNDLE ACCOMMODATION RANGE		Y DIM. MAX.
	MIN. 1/	MAX. 1/	
01	.062 (1.57)	.125 (3.18)	.80 (20.3)
02	.125 (3.18)	.250 (6.35)	1.00 (25.4)
03	.250 (6.35)	.375 (9.53)	1.10 (27.9)
04	.375 (9.53)	.500 (12.70)	1.20 (30.5)
05	.500 (12.70)	.625 (15.88)	1.25 (31.8)
06	.625 (15.88)	.750 (19.05)	1.40 (35.6)
07	.750 (19.05)	.875 (22.23)	1.50 (38.1)
08	.875 (22.23)	1.000 (25.40)	1.65 (41.9)
09	1.000 (25.40)	1.125 (28.58)	1.75 (44.5)
10	1.125 (28.58)	1.250 (31.75)	1.90 (48.3)

1/ SEE REQUIREMENT 2.

	AEROSPACE STANDARD	AS85049™/78 SHEET 2 OF 4	REV. C Documents
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL, 45°, SHIELD TERMINATION, CATEGORY 2B, NONSELF-LOCKING (MIL-DTL-38999 SERIES III AND IV CONNECTORS)		



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