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REV.
D

AS85049™/109

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 AS STANDARD FORMAT, REMOVE IMAGES, TO CORRECT REQUIREMENTS 1 AND 5, CORRECT PART NUMBER EXAMPLE FOOTNOTE 1, AND CLARIFY FINISH AND APPLICATION RESTRICTIONS.

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.

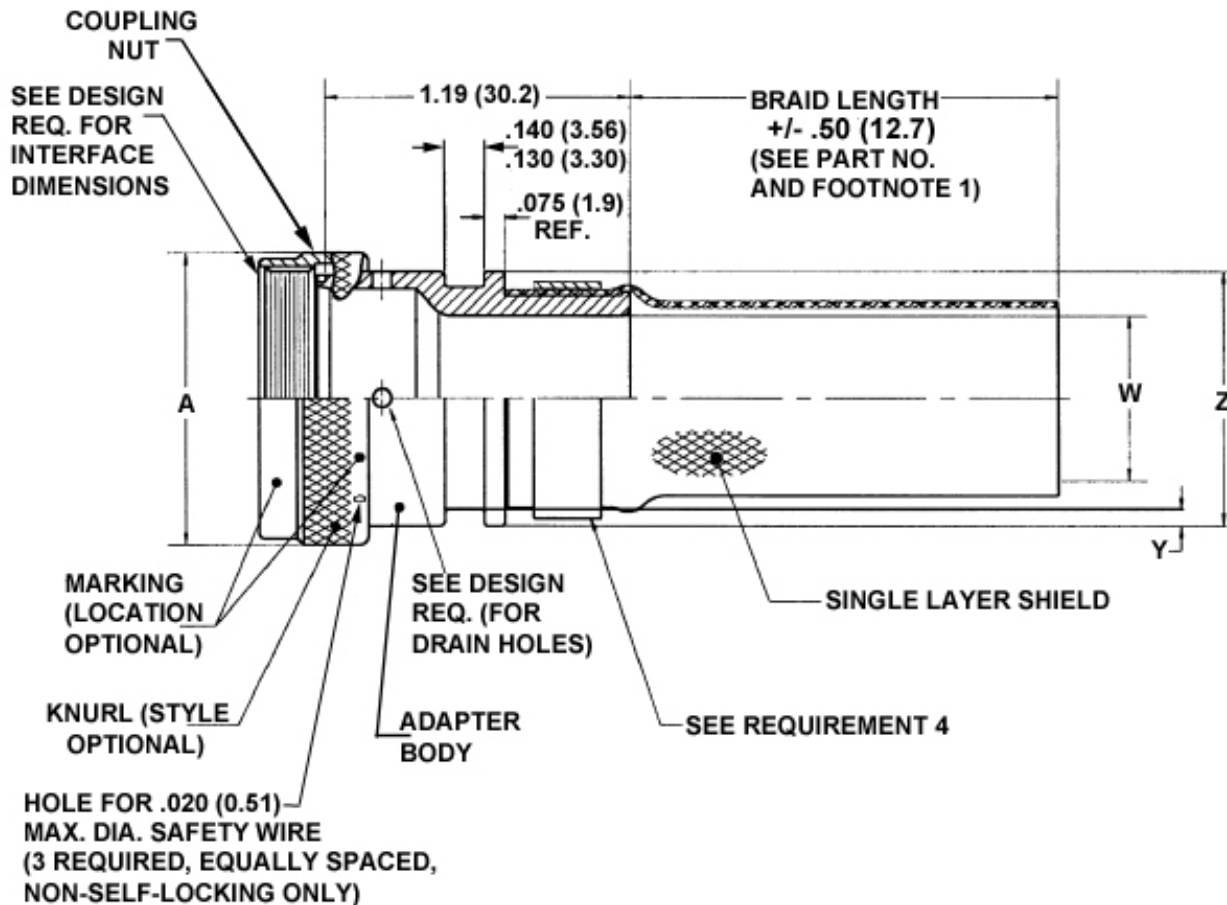
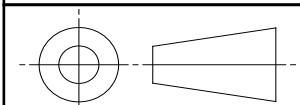


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS

For more information on this standard, visit

<https://www.sae.org/standards/content/AS85049/109D>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL BACKSHELL, STRAIGHT, NON-SELF LOCKING AND SELF LOCKING, PRE-ATTACHED SHIELD TERMINATION (RFI/EMI), BOOT ACCOMMODATION, CATEGORY 3B (FOR MIL-DTL-83723 SERIES III, AS50151 CRIMP, AS95234, AS81703 SERIES III, AND MIL-DTL-26482 SERIES II CONNECTORS)

AS85049™/109
SHEET 1 OF 5

REV.
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Documents

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TABLE 1 - ACCESSORY SHELL SIZE AND DIMENSIONS

ACCESSORY SHELL SIZE CODE	ALLOWABLE CABLE ENTRY SIZE TABLE 2	AS81703 SERIES III SHELL SIZE (REF.)	MIL-DTL-26482 SERIES II & MIL-DTL-83723 SERIES III SHELL SIZE (REF.)	AS50151 CRIMP AS95234 SHELL SIZE (REF.)	A MAX. DIAMETER
03	01	3	-	-	.885 (22.48)
08	01	-	8	8S	.885 (22.48)
10	01-03	-	10	10S & 10SL	1.010 (25.65)
12	01-05	7	12	12S & 12	1.135 (28.83)
14	02-06	12	14	14S & 14	1.260 (32.00)
16	04-08	19	16	16S & 16	1.385 (35.18)
18	05-09	27	18	18	1.510 (38.35)
20	07-11	37	20	20	1.635 (41.53)
22	09-13	-	22	22	1.760 (44.70)
24	11-14	-	24	24	1.885 (47.88)
28	14-16	-	-	28	2.135 (54.23)
32	16-17	-	-	32	2.395 (60.83)
36	17-19	-	-	36	2.635 (66.93)
40	19-21	-	-	40	2.885 (73.28)
44	21-23	-	-	44	3.135 (79.63)
48	23-25	-	-	48	3.385 (85.98)
61	12-14	61	-	-	1.885 (47.88)

TABLE 2 - CABLE ENTRY DIMENSIONS

ENTRY SIZE	W ±.020 (0.51)	Y +.008 (0.20) -.000	Z MAX.
01	.250 (6.35)	.044 (1.12)	.560 (14.22)
02	.312 (7.92)	.044 (1.12)	.630 (16.00)
03	.375 (9.53)	.044 (1.12)	.690 (17.53)
04	.438 (11.13)	.044 (1.12)	.750 (19.05)
05	.500 (12.70)	.044 (1.12)	.820 (20.83)
06	.562 (14.27)	.044 (1.12)	.890 (22.61)
07	.625 (15.88)	.044 (1.12)	.950 (24.13)
08	.688 (17.48)	.044 (1.12)	1.020 (25.91)
09	.750 (19.05)	.069 (1.75)	1.070 (27.18)
10	.812 (20.62)	.069 (1.75)	1.130 (28.70)
11	.875 (22.23)	.069 (1.75)	1.190 (30.23)
12	.938 (23.83)	.069 (1.75)	1.260 (32.00)
13	1.000 (25.40)	.069 (1.75)	1.320 (33.53)
14	1.125 (28.58)	.069 (1.75)	1.470 (37.34)
15	1.250 (31.75)	.069 (1.75)	1.600 (40.64)
16	1.375 (34.93)	.069 (1.75)	1.710 (43.43)
17	1.500 (38.10)	.086 (2.18)	1.840 (46.74)
18	1.625 (41.28)	.086 (2.18)	2.000 (50.80)
19	1.750 (44.45)	.086 (2.18)	2.120 (53.85)
20	1.875 (47.63)	.086 (2.18)	2.270 (57.66)
21	2.000 (50.80)	.086 (2.18)	2.440 (61.98)
22	2.125 (53.98)	.086 (2.18)	2.600 (66.04)
23	2.250 (57.15)	.086 (2.18)	2.750 (69.85)
24	2.375 (60.33)	.086 (2.18)	2.900 (73.66)
25	2.500 (63.50)	.086 (2.18)	3.060 (77.72)

	AEROSPACE STANDARD		AS85049™/109 SHEET 2 OF 5	REV. D
	(R) CONNECTOR ACCESSORIES, ELECTRICAL BACKSHELL, STRAIGHT, NON-SELF LOCKING AND SELF LOCKING, PRE-ATTACHED SHIELD TERMINATION (RF/EMI), BOOT ACCOMMODATION, CATEGORY 3B (FOR MIL-DTL-83723 SERIES III, AS50151 CRIMP, AS95234, AS81703 SERIES III, AND MIL-DTL-26482 SERIES II CONNECTORS)			

