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REV.
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AS85049™/51

FEDERAL SUPPLY CLASS
5935

RATIONALE

LIMITED SCOPE REVISION IS REQUIRED TO CORRECT FIGURE 1 DIMENSIONS, DIMENSION Y IS MISSING FROM THE FIGURE AND DIMENSION F IS INCORRECTLY LISTED AS DIMENSION X.

AS85049/51F HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049. AS85049/120 IS RECOMMENDED FOR NEW DESIGN.

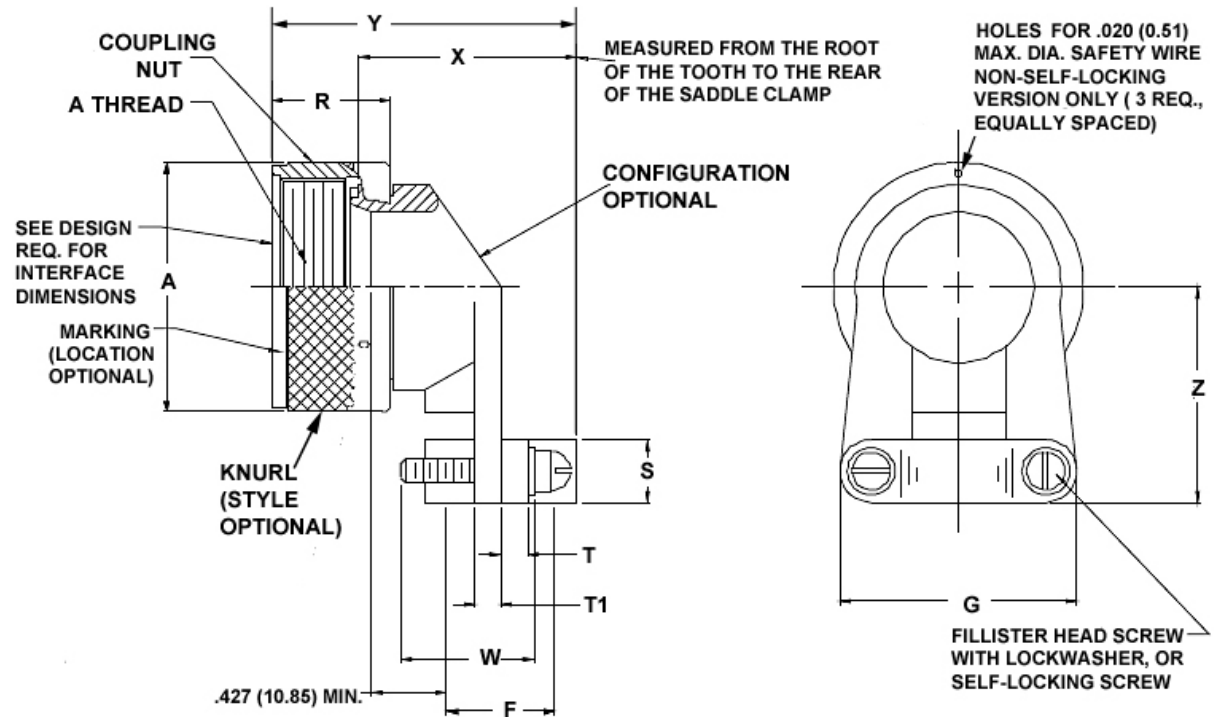
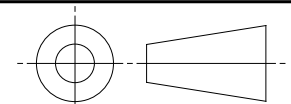


FIGURE 1 - ACCESSORY CONFIGURATION AND DIMENSIONS (NON-SELF-LOCKING AND SELF-LOCKING)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/51F/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL, STRAIN RELIEF, NONENVIRONMENTAL, 90°, SELF-LOCKING AND NON-SELF-LOCKING CATEGORY 4B (FOR AS50151 CRIMP, AS95234, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049™/51
SHEET 1 OF 5

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Documents

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TABLE 1A - FIGURE 1 DIMENSIONS (NON-SELF-LOCKING ONLY)

DASH NUMBER	FOR CONNECTOR SHELL SIZE (REF)				NON-SELF-LOCKING			
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP AS95234	MIL-DTL- 83723 SERIES III	A MAX	R MAX	X MAX	Y MAX
-3	3	--	--	--	.669 (16.99)	.540 (13.72)	.78 (19.81)	1.101 (27.97)
-8	--	8	8S	8	.617 (15.67)		.78 (19.81)	1.101 (27.97)
-10		10	10S, 10SL	10	.734 (18.64)		.86 (21.84)	1.183 (30.05)
-12	7	12	12S, 12	12	.858 (21.79)		1.05 (26.67)	1.376 (34.95)
-14	12	14	14S, 14	14	.984 (24.99)		1.11 (28.19)	1.436 (36.47)
-16	19	16	16S, 16	16	1.112 (28.24)		1.26 (32.00)	1.585 (40.26)
-18	27	18	18	18	1.218 (30.94)		1.37 (34.80)	1.697 (43.10)
-20	37	20	20	20	1.345 (34.16)		1.50 (38.10)	1.822 (46.28)
-22	--	22	22	22	1.468 (37.29)		1.62 (41.15)	1.947 (49.45)
-24		24	24	24	1.593 (40.46)		1.75 (44.45)	2.072 (52.63)
-28	--	--	28	--	1.969 (50.01)	.702 (17.83)	1.89 (48.01)	2.372 (60.25)
-32			32		2.219 (56.36)		1.95 (49.53)	2.435 (61.85)
-36			36		2.469 (62.71)		2.07 (52.58)	2.560 (65.02)
-40			40		2.719 (69.06)		2.20 (55.88)	2.685 (68.20)
-44			44		2.969 (75.41)		2.45 (62.23)	2.935 (74.55)
-48			48		3.219 (81.76)		2.57 (65.28)	3.060 (77.72)
-61	61	--	--	--	1.653 (41.99)	.540 (13.72)	1.75 (44.45)	2.072 (52.63)

TABLE 1B - FIGURE 1 DIMENSIONS (SELF-LOCKING ONLY)

DASH NUMBER	FOR CONNECTOR SHELL SIZE (REF)				SELF-LOCKING			
	AS81703 SERIES 3	MIL-DTL- 26482 SERIES 2	AS50151 CRIMP AS95234	MIL-DTL- 83723 SERIES III	A MAX	R MAX	X MAX	Y MAX
-3 1/	3	--	--	--	--	--	--	--
-8	--	8	8S	8	.885 (22.48)	.710 (18.03)	.93 (23.62)	1.257 (31.93)
-10		10	10S, 10SL	10	1.010 (25.65)		1.02 (25.91)	1.339 (34.01)
-12	7	12	12S, 12	12	1.135 (28.83)		1.21 (30.73)	1.532 (38.91)
-14	12	14	14S, 14	14	1.260 (32.00)		1.27 (32.26)	1.592 (40.44)
-16	19	16	16S, 16	16	1.385 (35.18)		1.42 (36.07)	1.741 (44.22)
-18	27	18	18	18	1.510 (38.35)		1.53 (38.86)	1.853 (47.07)
-20	37	20	20	20	1.635 (41.53)		1.65 (41.91)	1.978 (50.24)
-22	--	22	22	22	1.760 (44.70)		1.78 (45.21)	2.108 (53.54)
-24		24	24	24	1.885 (47.88)		1.90 (48.26)	2.228 (56.59)
-28	--	--	28	--	2.135 (54.23)	.890 (22.61)	2.20 (55.88)	2.528 (64.21)
-32			32		2.395 (60.83)		2.27 (57.66)	2.591 (65.81)
-36			36		2.635 (66.93)		2.39 (60.71)	2.716 (68.99)
-40			40		2.885 (73.28)		2.52 (64.01)	2.841 (72.16)
-44			44		3.135 (79.63)		2.77 (70.36)	3.091 (78.51)
-48			48		3.385 (85.98)		2.89 (73.41)	3.216 (81.69)
-61 1/	61	--	--	--	--	--	--	--

1/ NOT AVAILABLE ON SELF-LOCKING CONFIGURATION.