

**REV.
A**

AS85049/26

RATIONALE

REVISE COMPLETELY UPDATE FORMAT. INCLUDE OUTSTANDING COMMENTS.

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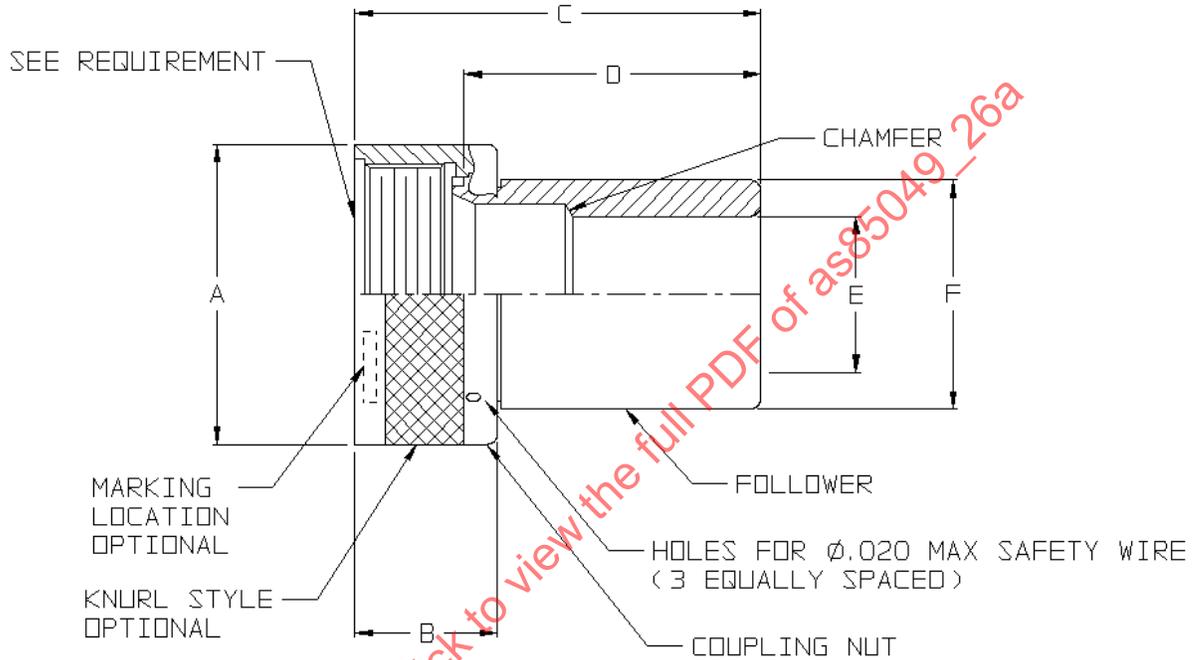
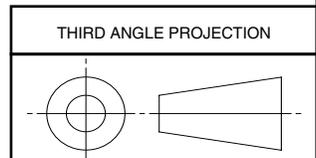


FIGURE 1 - CONFIGURATION AND DIMENSIONS



CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NON-ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3A (FOR MIL-DTL-5015 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)

AS85049/26
SHEET 1 OF 6

**REV.
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ISSUED 2001-07 REVISED 2007-10

TABLE 1 - FIGURE 1 DIMENSIONS

DASH NUMBER	FOR CONNECTOR SHELL SIZE (REF)			MIL-DTL-83723 SERIES III	M85049/26-2 RING, SHIELD CRIMP (REF)
	AS81703 SERIES 3	MIL-DTL-26482 SERIES 2	MIL-DTL-5015 CRIMP		
-3	3	--	--	--	-8
-8	--	8	8S	8	-8
-10	--	10	10S, 10SL	10	-10
-12	7	12	12S & 12	12	-12
-14	12	14	14S & 14	14	-14
-16	19	16	16S & 16	16	-16
-18	27	18	18	18	-18
-20	37	20	20	20	-20
-22	--	22	22	22	-22
-24	--	24	24	24	-24
-28	--	--	28	--	-28
-32	--	--	32	--	-32
-36	--	--	36	--	-36
-40	--	--	40	--	-40
-44	--	--	44	--	-44
-48	--	--	48	--	-46
-61	61	--	--	--	-61

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

DASH NUMBER	A ±.031 DIA	B +.000/-.062 DIM	C MAX DIM	D ±.031 DIM	E ±.015 DIA	F ±.010 DIA
-3	.669 (17.0)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.250 (6.4)	.337 (8.6)
-8	.617 (15.7)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.250 (6.4)	.337 (8.6)
-10	.734 (18.6)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.325 (8.3)	.488 (12.4)
-12	.858 (21.8)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.420 (10.7)	.500 (12.7)
-14	.984 (25.0)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.540 (13.7)	.620 (15.7)
-16	1.112 (28.2)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.670 (17.0)	.750 (19.1)
-18	1.218 (30.9)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.789 (20.0)	.880 (22.4)
-20	1.345 (34.2)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	.914 (23.2)	1.000 (25.4)
-22	1.468 (37.3)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	1.039 (26.4)	1.120 (28.4)
-24	1.593 (40.5)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	1.112 (28.2)	1.192 (30.3)
-28	1.969 (50.0)	.702 (17.8)	1.439 (36.6)	.926 (23.5)	1.389 (35.3)	1.545 (39.2)
-32	2.219 (56.4)	.702 (17.8)	1.439 (36.6)	.926 (23.5)	1.635 (41.5)	1.795 (45.6)
-36	2.469 (62.7)	.702 (17.8)	1.439 (36.6)	.926 (23.5)	1.850 (47.0)	2.045 (51.9)
-40	2.719 (69.1)	.702 (17.8)	1.439 (36.6)	.926 (23.5)	2.065 (52.5)	2.295 (58.3)
-44	2.969 (75.4)	.702 (17.8)	1.439 (36.6)	.926 (23.5)	2.320 (58.9)	2.545 (64.6)
-48	3.219 (81.8)	.702 (17.8)	1.439 (36.6)	.926 (23.5)	2.570 (65.3)	2.795 (71.0)
-61	1.653 (42.0)	.540 (13.7)	1.277 (32.4)	.926 (23.5)	1.210 (30.7)	1.359 (34.5)

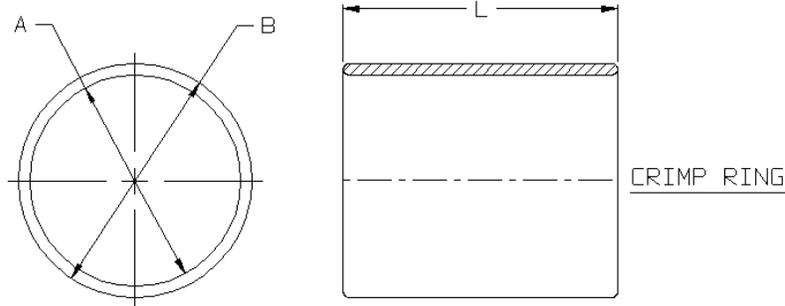


FIGURE 2 - CONFIGURATION AND DIMENSIONS

TABLE 2 - FIGURE 2 DIMENSIONS

DASH NUMBER	COLOR CODE	A DIA		B DIA		L ±.020 DIM
		MIN	MAX	MIN	MAX	
-8	GREEN	.400 (10.2)	.410 (10.4)	.448 (11.4)	.458 (11.6)	.250 (6.4)
-10	RED	.585 (14.9)	.595 (15.1)	.660 (16.8)	.680 (17.3)	.440 (11.2)
-12	RED	.585 (14.9)	.595 (15.1)	.660 (16.8)	.680 (17.3)	.440 (11.2)
-14	BLUE	.705 (17.9)	.715 (18.2)	.780 (19.8)	.800 (20.3)	.440 (11.2)
-16	GRAY	.835 (21.2)	.845 (21.5)	.910 (23.1)	.930 (23.6)	.440 (11.2)
-18	BROWN	1.005 (25.5)	1.015 (25.8)	1.080 (27.4)	1.100 (27.9)	.440 (11.2)
-20	GREEN	1.125 (28.6)	1.135 (28.8)	1.200 (30.5)	1.220 (31.0)	.440 (11.2)
-22	PINK	1.245 (31.6)	1.255 (31.9)	1.320 (33.5)	1.340 (34.0)	.440 (11.2)
-24	ORANGE	1.327 (33.7)	1.337 (34.0)	1.402 (35.6)	1.422 (36.1)	.440 (11.2)
-28	RED	1.665 (42.3)	1.675 (42.5)	1.740 (44.2)	1.760 (44.7)	.440 (11.2)
-32	GRAY	1.915 (48.6)	1.925 (48.9)	1.990 (50.5)	2.010 (51.1)	.440 (11.2)
-36	GREEN	2.165 (55.0)	2.175 (55.2)	2.240 (56.9)	2.260 (57.4)	.440 (11.2)
-40	ORANGE	2.415 (61.3)	2.425 (61.6)	2.490 (63.2)	2.510 (63.8)	.440 (11.2)
-44	YELLOW	2.665 (67.7)	2.675 (67.9)	2.740 (69.6)	2.760 (70.1)	.440 (11.2)
-48	BLUE	2.915 (74.0)	2.925 (74.3)	2.990 (75.9)	3.010 (76.5)	.440 (11.2)
-61	PURPLE	1.435 (36.4)	1.445 (36.7)	1.510 (38.4)	1.530 (38.9)	.440 (11.2)

TABLE 2 - FIGURE 2 DIMENSIONS (CONTINUED)

DASH NUMBER	FOR USE WITH BACKSHELLS (REF)	FOR USE WITH BACKSHELLS (REF)	FOR USE WITH BACKSHELLS (REF)	INSTALLING DIE CAT. NO. SEE NOTE 5
-8	M85049/26-1-8	M85049/20-9	M85049/33-2-8	GS405
-10	M85049/26-1-10	M85049/20-11	M85049/33-2-10	GS590
-12	M85049/26-1-12	M85049/20-13	M85049/33-2-12	GS590
-14	M85049/26-1-14	M85049/20-15	M85049/33-2-14	GS710
-16	M85049/26-1-16	M85049/20-17	M85049/33-2-16	GS840
-18	M85049/26-1-18	M85049/20-19	M85049/33-2-18	GS1010
-20	M85049/26-1-20	M85049/20-21	M85049/33-2-20	GS1130
-22	M85049/26-1-22	M85049/20-23	M85049/33-2-22	GS1250
-24	M85049/26-1-24	M85049/20-25	M85049/33-2-24	GS1332
-28	M85049/26-1-28	--	--	GS1670
-32	M85049/26-1-32	--	--	GS1920
-36	M85049/26-1-36	--	--	GS2170
-40	M85049/26-1-40	--	--	GS2420
-44	M85049/26-1-44	--	--	GS2670
-48	M85049/26-1-48	--	--	GS2920
-61	M85049/26-1-61	--	--	GS1440

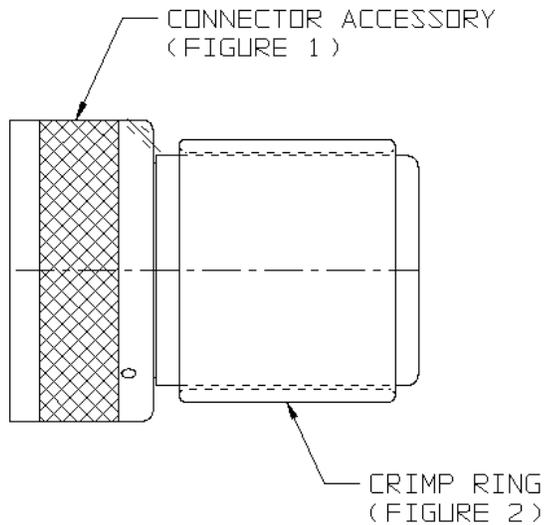


FIGURE 3 - CONFIGURATION

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS IN PARENTHESIS () ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1.00 in = 25.4 mm.
3. DIMENSIONS APPLY AFTER PLATING.
4. FIGURE 2 IS DESIGNED FOR USE WITH FIGURE 1.
5. CRIMP TOOL SHALL BE THE THOMAS AND BETTS INSTALLING HEAD CAT. NO. 13640, OR EQUIVALENT, SEE TABLE 2.
6. THE INSTALLING DIES (THOMAS AND BETTS CAT. NO.) SHALL BE USED WITH THE THOMAS AND BETTS INSTALLING HEAD CAT. NO. 13640, OR USE AN EQUIVALENT TOOL.

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:
 - a. DIMENSIONS AND CONFIGURATION: SEE FIGURES 1, 2, AND 3 AND TABLES 1 AND 2.
 - b. INTERFACE DIMENSIONS SHALL CONFORM TO AS85049, FIGURE 4 OR 4A.
 - c. FIGURE 1 CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE FOLLOWER
2. MATERIAL AND FINISH: SEE TABLE 3.

 An SAE International Group	AEROSPACE STANDARD (R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, NON-ENVIRONMENTAL, STRAIGHT, SHIELD TERMINATION, CATEGORY 3A (FOR MIL-DTL-5015 CRIMP, MIL-DTL-26482 SERIES 2, AS81703 SERIES 3 AND MIL-DTL-83723 SERIES III CONNECTORS)	AS85049/26 SHEET 4 OF 6	REV. A