

EMI/RFI SHRINK BOOT ADAPTER WITH LAMP BASE THREAD

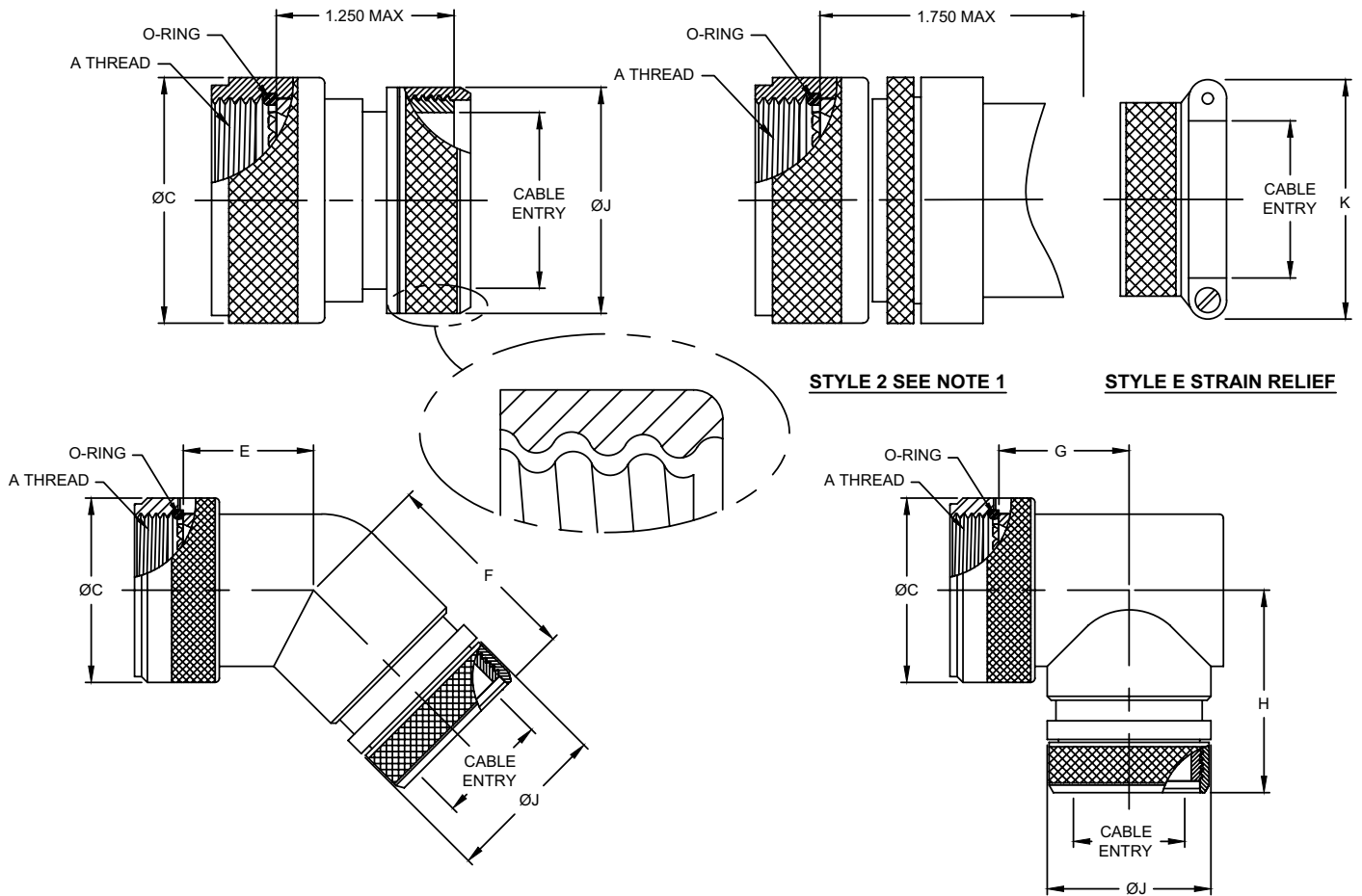
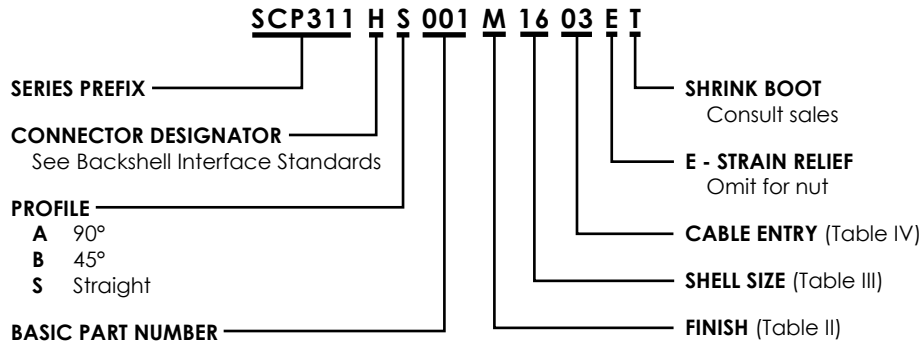
- ▶ For Shielding
 - ▶ Strain Relief and Optional Shrink Boot
 - ▶ Rotatable Spin Nut
 - ▶ Lightweight Application

Primary Markets

- ▶ Aircraft
- ▶ HMI Lighting
- ▶ Combat Vehicles



LAMP BASE THREAD EMI/RFI SHRINK BOOT ADAPTER



BACK SHELL INTERFACE STANDARDS

DESIGNATION	SPEC	SERIES	DESIGNATION	SPEC	SERIES
A	MIL-DTL-5015	MS3400	G	MIL-C-28840	
	MIL-DTL-26482	2	H	MIL-DTL-38999	III & IV
	MIL-DTL-81703	3	J	MIL-C-81511	1, 2, 3 & 4
	MIL-DTL-82723	I & III		VG95329	
	AS95234		K	MIL-DTL-83723	II
B	MIL-DTL-5015	MS3100	L	EN3372	
C	MIL-C-22992	MS173XX		JN 1003	
D	MIL-DTL-26482	1		PAN 6433-2	
E	MIL-DTL-26500	ALUMINUM		PATT 615	
F	MIL-DTL-38999	I & II		VG 96912	

TABLE I – BACK SHELL INTERFACE DIMENSIONS

CONNECTOR DESIGNATOR										A THREADS	ØC MAX	
A	C	D	E	F	G	H	J	K	L			S
		08	08	08 (9)				08	08	08	7/16-28 UNEF	.650 [16.5]
						09 (A)					M12 x 1-6H	.770 [19.6]
08											1/2-20 UNF	.650 [16.5]
							08 (A)	10			1/2-28 UNEF	.770 [19.6]
03		10	10	10 (11)				11	10	10	9/16-24 UNEF	.770 [19.6]
						11 (B)					M15 x 1-6H	.820 [20.8]
10								12 (13)			5/8-24 UNEF	.770 [19.6]
							10 (B)				5/8-28 UN	.890 [22.6]
		12		12 (13)					12	12	11/16-24 UNEF	.890 [22.6]
						13 (C)					M18 x 1-6H	.940 [23.9]
12 (7)	12		12				11 (A)				3/4-20 UNEF	.940 [23.9]
		14	14	14 (15)					14	14	13/16-20 UNEF	1.020 [25.9]
							15 (D)				M22 x 1-6H	1.070 [26.2]
14 (12)	14						13 (B)				7/8-20 UNEF	1.020 [25.9]
								14 (D)			7/8-28 UN	1.150 [29.2]
		16	16	16 (17)					16	16	15/16-20 UNEF	1.150 [29.2]
							17 (E)				M25 x 1-6H	1.210 [30.7]
16 (19)	16						15 (C)			18	1-20 UNEF	1.210 [30.7]
								16 (E)			1-28 UN	1.360 [34.5]
18 (27)		18	18	18 (19)					18	18	1 1/16-18 UNEF	1.230 [31.2]
							19 (F)				M28 x 1-6H	1.360 [34.5]
	18							20			1 1/8-18 UNEF	1.360 [34.5]
								18 (F)			1 1/8-28 UN	1.480 [37.6]
20 (37)		20	20	20 (21)					20	20	1 3/16-18 UNEF	1.360 [34.5]
							21 (G)				M31 x 1-6H	1.480 [37.6]
	20						19 (F)			22	1 1/4-18 UNEF	1.530 [38.9]
								20 (G)			1 1/4-28 UN	1.600 [40.6]
22		22	22	22 (23)					22	22	1 5/16-18 UNEF	1.480 [37.6]
							23 (H)				M34 x 1-6H	1.600 [40.6]
	22							24			1 3/8-18 UNEF	—
								22 (H)			1 3/8-28 UN	1.730 [43.9]
24		24	24	24 (25)	23 (F)				24	24	1 7/16-18 UNEF	1.730 [43.9]
							25 (J)				M37 x 1-6H	1.700 [43.2]
61											1 1/2-18 UNEF	1.670 [42.4]
								24 (J)			1 1/2-28 UN	1.940 [49.3]
							25 (G)				1 9/16 UNEF	1.820 [46.2]
	24								28		1 5/8 UNEF	—
28											1 3/4-18 UNS	1.970 [50.0]
	28						29 (H)			32	1 7/8-16 UN	2.190 [55.6]
32											2-18 UNS	2.220 [56.4]
	32						33 (J)				2 1/16-16 UNS	2.440 [62.0]
								36			2 1/8-16 UN	—
36											2 1/4-16 UN	2.470 [62.7]
	36										2 5/16-16 UNS	—
								40			2 3/8-16 UN	—
40											2 1/2-16 UN	2.720 [69.1]
	40										2 5/8-16 UN	—
44											2 3/4-16 UN	2.970 [75.4]
	44										2 7/8-16 UN	—
48											3-16 UN	3.220 [81.8]
	48										3 1/16-16 UN	—

TABLE II – FINISH

PART NO.	FINISH	SPECIFICATIONS
A	Cadmium Plate, Bright	AMS-QQ-P-416, Type I, Class 2
B	Cadmium Plate, Olive Drab	AMS-QQ-P-416, Type II, Class 3
C	Anodize, Black	AMS-A-8625, Type II, Class 2
G	Hard Coat, Anodic	AMS-A-8625, Type III, Class 1
J	Iridite, Gold Over Cadmium Plate Over Electroless Nickel	MIL-C-5541, Class 3 AMS-QQ-P-416, Type II, Class 3 Over AMS-C-26074, Class 4, Grade B
LF	Cadmium Plate, Bright Over Electroless Nickel	1000 Hour Corrosion Resistance
M	Electroless Nickel	AMS-C-26074, Type 4, Grade B
N	Cadmium Plate, Olive Drab Over Electroless Nickel	AMS-QQ-P-416, Type II, Class 3 Over Electroless Nickel AMS-C-26074
NC	Zinc Cobalt, Dark Olive Drab	96 Hour Corrosion Resistance
NF	Cadmium Plate, Olive Drab Over Electroless Nickel	1000 Hour Corrosion Resistance
T	Cadmium Plate, Olive Drab Over Electroless Nickel	AMS-QQ-P-416, Type II, Class 3 ASTMB 733-90, SC2, Type I, Class 5, MIL-C-26074
U	Cadmium Plate, Black	AMS-QQ-P-416, Type II, Class 3
ZN	Zinc Nickel Alloy, Olive Drab	ASTMB 841-91, Over Electroless Nickel 1000 Hour Salt Spray

Note 1: When maximum entry is exceeded, Style 2 will be supplied, Dimension E, F, G & H will not apply.

TABLE III – SHELL SIZE

SHELL SIZE		E MAX	F MAX	G MAX	H MAX
A-F-J-L-S	H				
08	09	.457 [11.6]	1.630 [41.4]	.500 [12.7]	1.640 [41.7]
10	11	.520 [13.2]	1.690 [42.9]	.595 [15.1]	1.760 [44.7]
12	13	.582 [14.8]	1.750 [44.5]	.610 [15.5]	1.780 [45.2]
14	15	.645 [16.4]	1.840 [46.7]	.700 [17.8]	1.850 [47.0]
16	17	.738 [18.7]	1.950 [49.5]	.885 [22.5]	1.940 [49.3]
18	19	.926 [23.5]	2.140 [54.4]	.975 [24.8]	2.110 [53.6]
20	21	.926 [23.5]	2.140 [54.4]	.975 [24.8]	2.110 [53.6]
22	23	1.020 [25.9]	2.290 [58.2]	1.125 [28.6]	2.220 [56.4]
24	25	1.020 [25.9]	2.290 [58.2]	1.125 [28.6]	2.220 [56.4]
28	—	1.145 [29.1]	2.340 [59.4]	1.225 [31.1]	2.390 [60.7]
32	—	1.207 [30.7]	2.440 [62.0]	1.575 [40.0]	2.640 [67.1]
36	—	1.238 [31.4]	2.530 [64.3]	1.775 [45.1]	2.640 [67.1]

TABLE IV – CABLE ENTRY

DASH NO	J MAX	K MAX	CABLE ENTRY MAX	SHRINK BOOT
01	.448 [11.4]	.781 [19.8]	.125 [3.2]	—
02	.515 [13.1]	.968 [24.6]	.250 [6.4]	SC202K121-25-0
03	.640 [16.3]	1.046 [26.6]	.375 [9.5]	SC202K121-25-0
04	.765 [19.4]	1.156 [29.4]	.500 [12.7]	SC202K132-25-0
05	.920 [23.4]	1.219 [31.0]	.625 [15.9]	SC202K132-25-0
06	1.015 [25.8]	1.343 [34.1]	.750 [19.1]	SC202K142-25-0
07	1.140 [29.0]	1.469 [37.3]	.875 [22.2]	SC202K153-25-0
08	1.265 [32.1]	1.594 [40.5]	1.000 [25.4]	SC202K153-25-0
09	1.432 [36.4]	1.719 [43.7]	1.125 [28.6]	SC202K163-25-0
10	1.515 [38.5]	1.844 [46.8]	1.250 [31.8]	SC202K163-25-0
11	1.640 [41.7]	—	1.375 [34.9]	SC202K174-25-0
12	1.765 [44.8]	—	1.500 [38.1]	SC202K174-25-0
13	2.015 [51.2]	—	1.750 [44.5]	SC202K174-25-0

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