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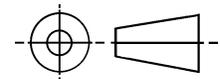
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THIRD ANGLE PROJECTION



PREPARED BY SAE SUBCOMMITTEE AE-8C1



AEROSPACE STANDARD

CONNECTOR ACCESSORIES, ELECTRICAL,
STRAIN RELIEF, SPLIT, 90°, CATEGORY 4C
(MIL-C-38999 SERIES I AND II CONNECTORS)

AS85049/65
SHEET 1 OF 5

ISSUED 2000-05 REAFFIRMED 2006-01

AS85049/65

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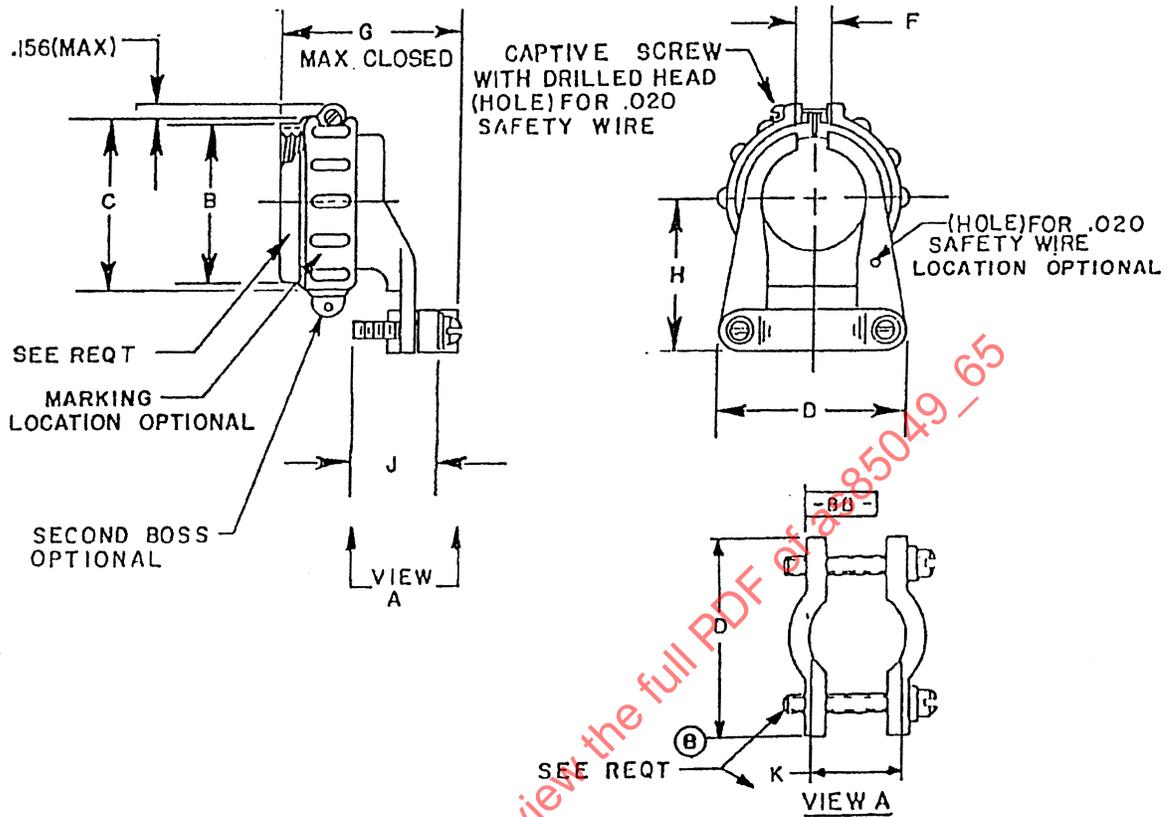


FIGURE 1. DIMENSIONS AND CONFIGURATION.

Accessory shell size	Fits connector shell size		B ±.000 -.062 dia	C max dia	D max dim	F min slot	G max dim	H max dim	J ±.032 screw length	Screw size	K wire bundle accommodation	
	Series II	Series I									Min	Max
8	8	9	.562 (14.3)	.688 (17.5)	.85 (21.6)	.125 (3.18)	1.20 (30.4)	1.00 (25.4)	.625 (15.9)	6-32	.058 (2.49)	.234 (5.94)
10	10	11	.688 (17.5)	.812 (20.6)	.90 (22.9)	.125 (3.18)	1.20 (30.4)	1.10 (27.9)	.625 (15.9)	6-32	.153 (3.87)	.234 (5.94)
12	12	13	.812 (20.6)	.938 (23.8)	1.10 (27.9)	.188 (4.78)	1.40 (35.6)	1.10 (27.9)	.625 (15.9)	6-32	.190 (4.83)	.328 (8.33)
14	14	15	.938 (23.8)	1.062 (27.0)	1.15 (29.2)	.188 (4.78)	1.45 (36.8)	1.25 (31.8)	.750 (19.1)	6-32	.260 (6.60)	.457 (11.61)
16	16	17	1.062 (27.0)	1.188 (30.2)	1.30 (33.0)	.188 (4.78)	1.60 (40.6)	1.30 (33.0)	.750 (19.1)	6-32	.283 (7.19)	.634 (15.60)
18	18	19	1.188 (30.2)	1.312 (33.3)	1.50 (38.1)	.250 (6.35)	1.70 (43.1)	1.35 (34.2)	.750 (19.1)	8-32	.325 (8.26)	.614 (16.10)
20	20	21	1.312 (33.3)	1.438 (36.5)	1.60 (40.6)	.250 (6.35)	1.85 (47.0)	1.60 (40.6)	.875 (22.2)	8-32	.343 (8.71)	.658 (17.73)
22	22	23	1.438 (36.5)	1.562 (39.7)	1.70 (43.2)	.312 (7.92)	1.95 (49.5)	1.75 (44.4)	1.000 (25.4)	8-32	.381 (9.68)	.823 (20.90)
24	24	25	1.562 (39.7)	1.688 (42.9)	1.80 (45.7)	.312 (7.92)	2.10 (53.3)	1.85 (47.0)	1.125 (28.6)	8-32	.481 (10.62)	.853 (21.66)

FIGURE 1. DIMENSIONS AND CONFIGURATION - CONTINUED.

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.032	0.81	.343	8.71	.85	21.6	1.312	33.32
.062	1.57	.381	9.67	.853	21.67	1.35	33.3
.125	3.18	.457	11.61	.875	22.22	1.40	35.6
.150	3.81	.481	12.21	.90	22.9	1.438	36.53
.187	4.75	.562	14.27	.938	23.83	1.50	38.1
.188	4.78	.614	15.59	1.000	25.40	1.562	39.67
.234	5.94	.625	15.88	1.062	26.97	1.60	40.6
.250	6.35	.634	16.10	1.040	27.94	1.688	42.88
.260	6.60	.688	17.48	1.125	28.58	1.70	43.6
.283	7.18	.698	17.73	1.15	29.2	1.75	44.6
.312	7.92	.750	19.05	1.188	30.18	1.80	45.7
.325	8.25	.812	20.62	1.20	30.48	1.85	47.0
.328	8.33	.823	20.90	1.25	31.75	1.95	49.5
				1.30	33.0	2.10	53.34

NOTES:

1. Dimensions are in inches.
2. Dimensions apply after plating.
3. Metric equivalents are given for general information only.
4. This accessory will not accommodate connectors using 8, 4, and 0 contacts.

FIGURE 1. DIMENSIONS AND CONFIGURATION - CONTINUED.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1 and table I.

Interface dimensions shall conform to MIL-C-38999, series I and II.

Clamps shall have no protrusions or sharp edges which may pinch cable.

In the assembled mode, the coupling nut shall be captivated to the adapter body and free to rotate.

Figure 1 dimension K_{MAX} are applicable when the end of the screw is flush with -BB- or a maximum of two screws threads protrude.

Material:

Coupling nut, ring, clamp, saddle bars: Aluminum alloy in accordance with MIL-C-85049.

Fasteners: 300 series corrosion resistant steel, passivated.

Finish: In accordance with MIL-C-85049.

Aluminum components: 1/ N, 2/ W.

1/ N Not for Navy use. Air Force: For space applications only.

2/ W is not for use in space application.