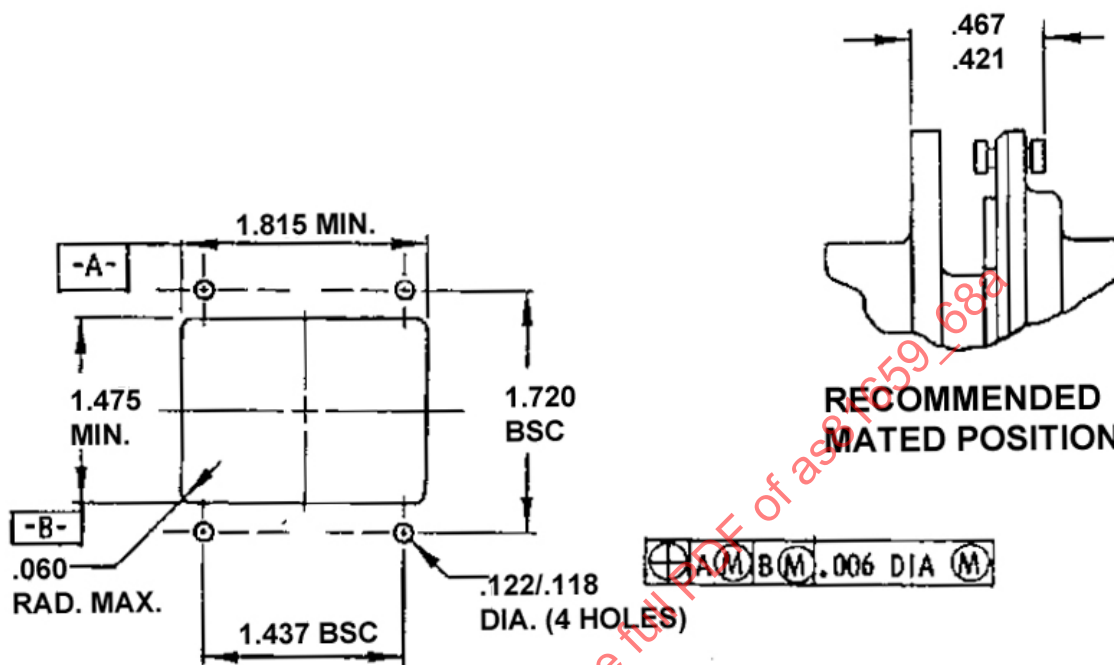


RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY, REVISE DIMENSIONS, ALIGN SPECIFICATION WITH SAE GUIDELINES AND RE-WORK ILLEGIBLE DRAWINGS/TABLES, AND REVIEW SPECIFICATION FOR KNOWN TECHNICAL PROBLEMS.



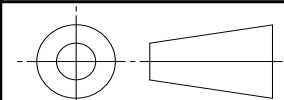
SUGGESTED PANEL CUT-OUT DIMENSIONS

FIGURE 1 – CONNECTOR SUGGESTED PANEL CUTOUT/RECOMMENDED MATED POSITION

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.005	.13	.050	1.27	.198	5.03	.948	24.08	1.475	37.46
.006	.15	.055	1.40	.245	6.22	1.000	25.40	1.720	43.69
.015	.38	.060	1.52	.255	6.48	1.326	33.68	1.725	43.82
.023	.58	.065	1.65	.421	10.69	1.367	34.72	1.765	44.83
.025	.64	.117	2.97	.467	11.86	1.387	35.23	1.815	46.10
.027	.69	.118	3.00	.521	13.23	1.425	36.20	1.985	50.42
.037	.94	.122	3.10	.541	13.74	1.427	36.25	1.997	50.72
.040	1.02	.133	3.38	.570	14.48	1.437	36.50	2.015	51.18
.047	1.19	.178	4.52	.7185	18.25	1.447	36.75	2.027	51.49
				.928	23.57			2.250	57.15

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS81659/68A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81659

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE, CRIMP CONTACTS, (SINGLE INSERT, TYPE IV, CLASS 1, (-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR A, FLOAT MOUNTING)

SAE AS81659/68
SHEET 1 OF 4

REV. A

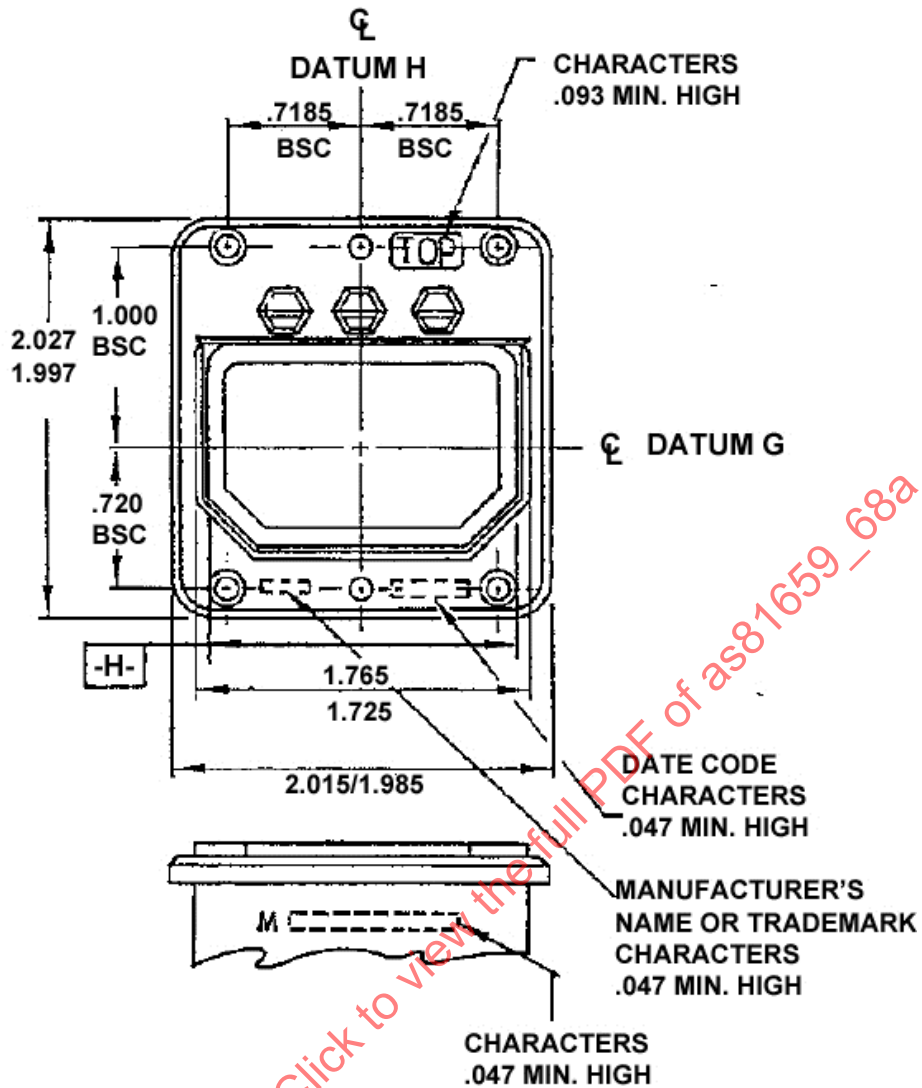


FIGURE 2 CONNECTOR CONFIGURATIONS AND DIMENSIONS

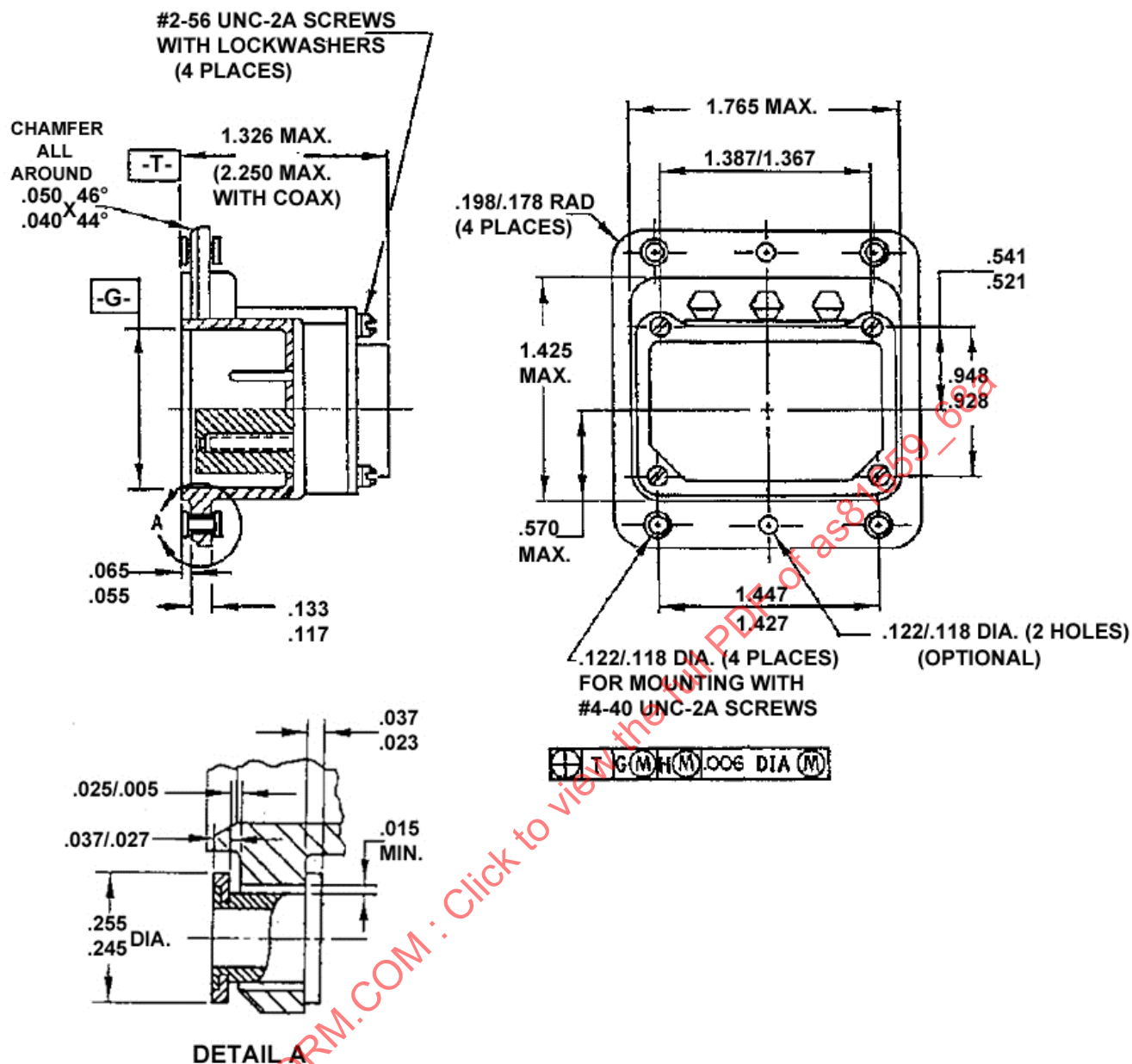


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CONTINUED)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF AS81659.

1. DESIGN:

CONNECTOR ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURES 1 AND 2. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. TOLERANCES: DECIMALS $\pm .010$ UNLESS OTHERWISE SPECIFIED. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM. NORMAL (01) POLARIZATION POSITION SHOWN, FOR ALTERNATE POSITIONS SEE AS81659. FOR LOCATION OF DATUMS G AND H REFER TO AS81659, FIGURE 5. THIS CONNECTOR DOES NOT HAVE A WIRE SEALING GROMMET.

2. INSERT ARRANGEMENTS SHALL BE IN ACCORDANCE WITH MS3157.

SAE Aerospace An SAE International Group	AEROSPACE STANDARD (R) CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE, CRIMP CONTACTS, (SINGLE INSERT, TYPE III, CLASS 1, (-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR A, FLOAT MOUNTING)	SAE AS81659/68 SHEET 3 OF 4	REV. A
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