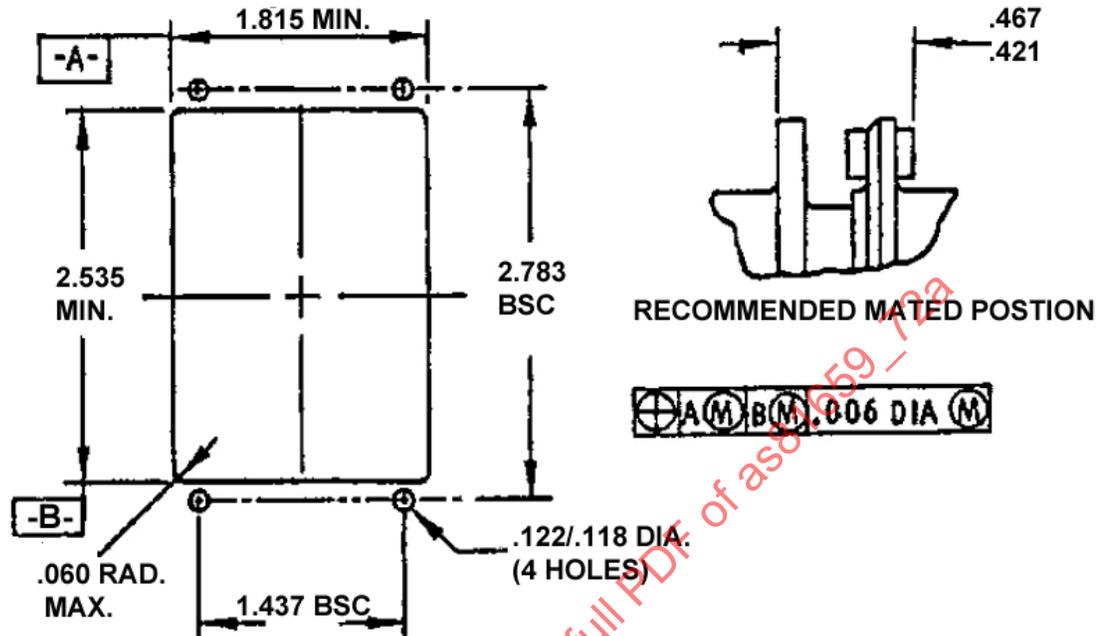


RATIONALE

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.

REV.
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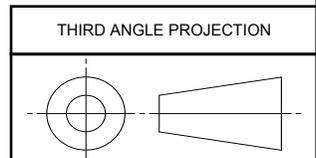


SUGGESTED PANEL CUT-OUT DIMENSIONS

FIGURE 1 – CONNECTOR SUGGESTED PANEL CUTOUT/RECOMMENDED MATED POSITION/DETAIL A

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.005	.13	.050	1.27	.178	4.52	.928	23.57	1.765	44.83
.006	.15	.055	1.40	.198	5.03	.948	24.08	1.815	46.10
.015	.38	.060	1.52	.245	6.22	1.367	34.72	1.985	50.42
.023	.58	.065	1.65	.255	6.48	1.387	35.23	2.015	51.18
.025	.64	.093	2.36	.421	10.69	1.3915	35.34	2.485	63.12
.027	.69	.117	2.97	.467	11.86	1.427	36.25	2.535	64.38
.037	.94	.118	3.00	.521	13.23	1.437	36.50	2.783	70.69
.040	1.02	.122	3.10	.541	13.74	1.447	36.75	3.060	77.72
.047	1.19	.133	3.38	.7185	18.25	1.725	43.82	3.090	78.49

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS81659/72A>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81659



AEROSPACE STANDARD

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

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SHEET 1 OF 4

REV.
A

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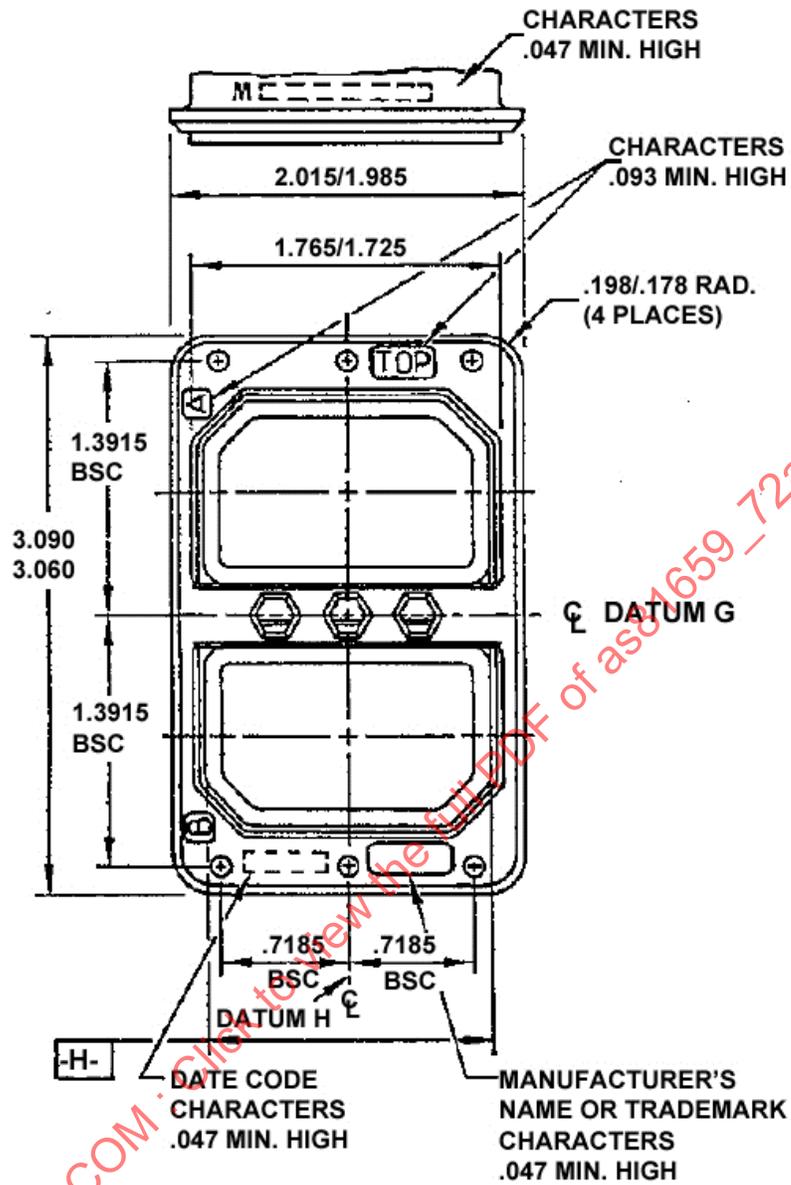


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS

 An SAE International Group	AEROSPACE STANDARD	SAE AS81659/72 SHEET 2 OF 4	REV. A
	(R) CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE, CRIMP CONTACTS, (DUAL INSERT, TYPE III, CLASS 1, (-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR A, FLOAT MOUNTING)		

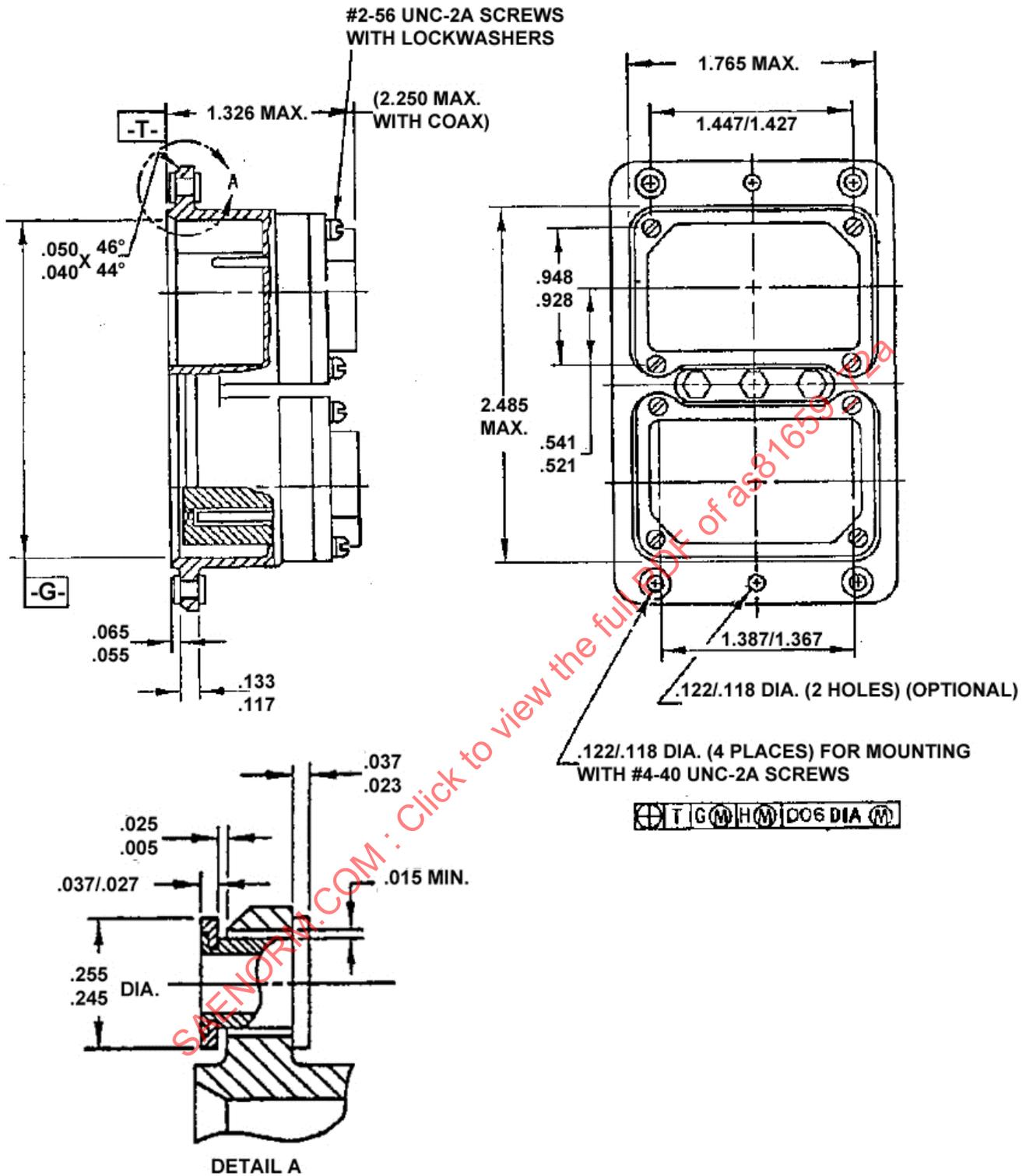


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CONTINUED)

<p>SAE Aerospace An SAE International Group</p>	<p>AEROSPACE STANDARD</p>	<p>SAE AS81659/72</p> <p>SHEET 3 OF 4</p>	<p>REV.</p> <p>A</p>
	<p>(R) CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE, CRIMP CONTACTS, (DUAL INSERT, TYPE III, CLASS 1, (-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR A, FLOAT MOUNTING)</p>		