

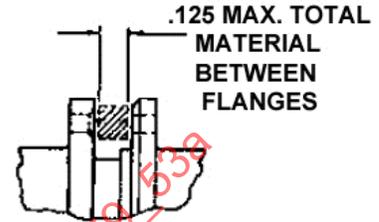
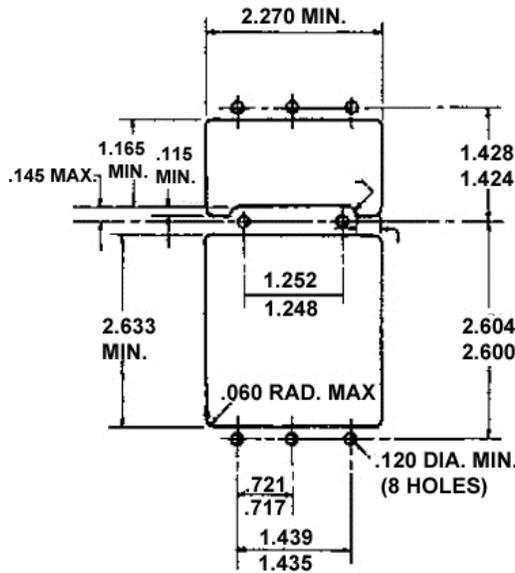
RATIONALE

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.
A

SAE AS81659/53

SAE Technical Standards Board provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.



RECOMMENDED
MATED POSITION

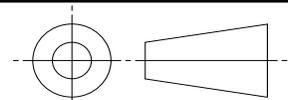
SUGGESTED PANEL
CUT-OUT DIMENSIONS

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.040	1.016	.326	8.280	1.252	31.801	1.450	36.830	2.600	66.040
.060	1.524	.717	18.212	1.389	35.281	2.062	52.375	2.604	66.142
.080	2.032	.721	18.313	1.395	35.433	2.082	52.883	2.633	66.878
.110	2.794	.885	22.479	1.407	35.738	2.235	56.769	3.937	100.000
.115	2.921	.897	22.784	1.413	35.890	2.245	57.023	4.226	107.442
.120	3.048	1.010	25.654	1.424	36.170	2.250	57.150	4.230	107.442
.125	3.175	1.030	26.162	1.428	36.271	2.270	57.658	4.540	115.316
.140	3.556	1.165	29.591	1.435	36.449	2.485	63.119	4.570	116.078
.145	3.683	1.248	31.699	1.439	36.551	2.515	63.881		

FIGURE 1 – CONNECTOR SUGGESTED PANEL CUTOUT/RECOMMENDED MATED POSITION

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS81659/53>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81659

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTORS, ELECTRICAL, RECTANGULAR, PLUG ENVIRONMENT RESISTANT, CRIMP CONTACTS, TRIPLE INSERT, TYPE II, CLASS 1 (-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR B

SAE AS81659/53
SHEET 1 OF 3

REV.
A

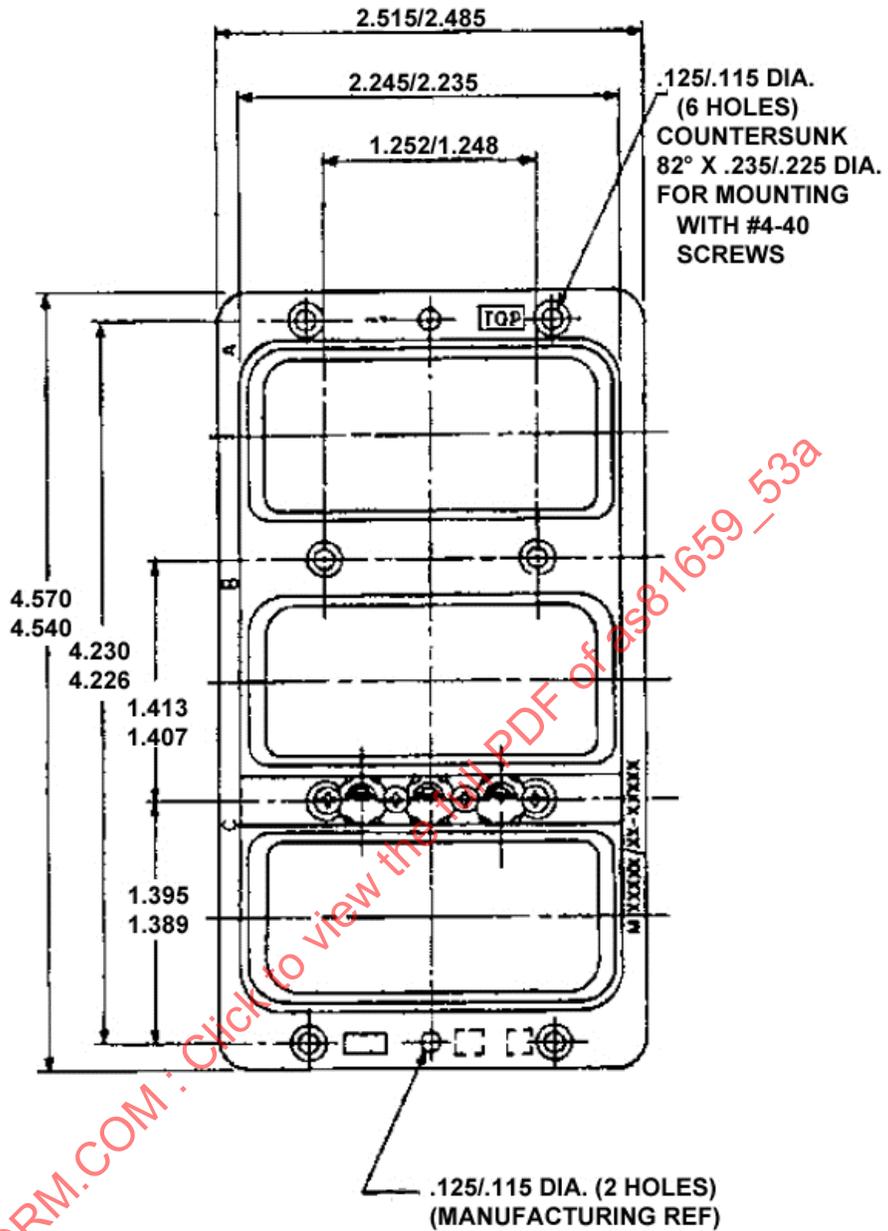


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS

 An SAE International Group	AEROSPACE STANDARD	SAE AS81659/53 SHEET 2 OF 3	REV. A
	(R) CONNECTORS, ELECTRICAL, RECTANGULAR, PLUG ENVIRONMENT RESISTANT, CRIMP CONTACTS, TRIPLE INSERT, TYPE II, CLASS 1 (-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR B		