

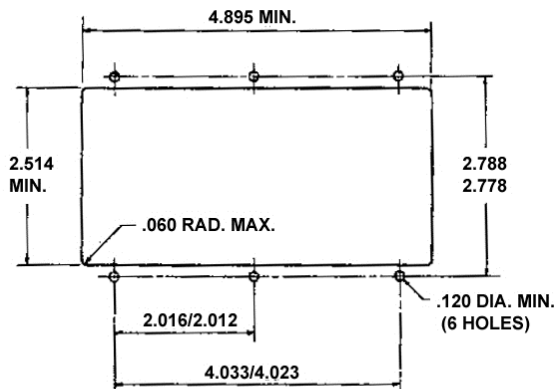
REV.
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SAE AS81659/57

FEDERAL SUPPLY CLASS
5935

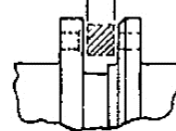
RATIONALE

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

.125 MAX. TOTAL
MATERIAL BETWEEN
FLANGES



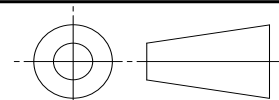
RECOMMENDED MATED POSITION

FIGURE 1 – CONNECTOR SUGGESTED PANEL CUTOUT/RECOMMENDED MATED POSITION

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.060	1.524	.885	22.479	2.016	51.206	2.786	70.764	4.895	124.333
.110	2.794	.897	22.784	2.062	52.375	2.788	70.815	5.085	129.159
.118	2.997	1.010	25.654	2.082	52.883	3.095	78.613	5.105	129.667
.120	3.048	1.030	26.162	2.490	63.246	3.125	79.375		
.125	3.175	1.165	29.591	2.494	63.348	4.023	102.184		
.140	3.556	1.200	30.480	2.514	63.856	4.033	102.438		
.225	5.715	1.450	36.830	2.778	70.561	4.850	123.190		
.235	5.969	2.012	51.105	2.782	70.663	4.875	123.825		

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS81659/57A>

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, QUADRUPLE INSERT, TYPE II, CLASS 1
(-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR B

SAE AS81659/57
SHEET 1 OF 3

REV.
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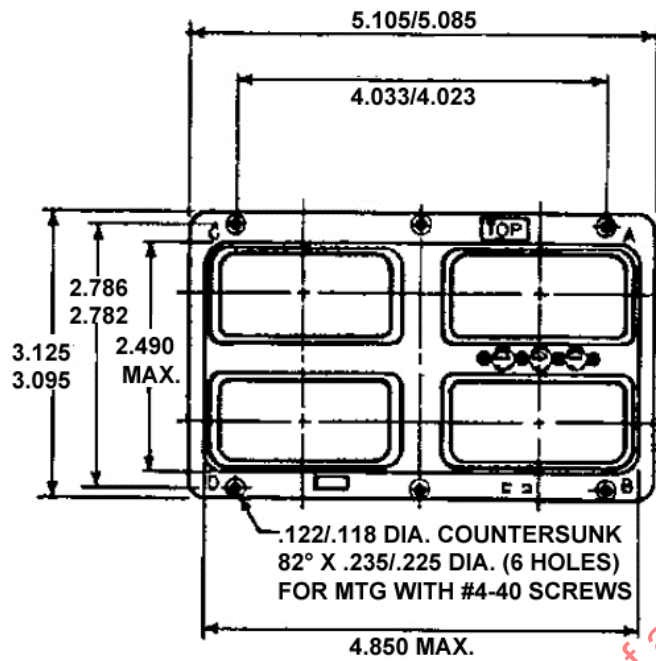


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS

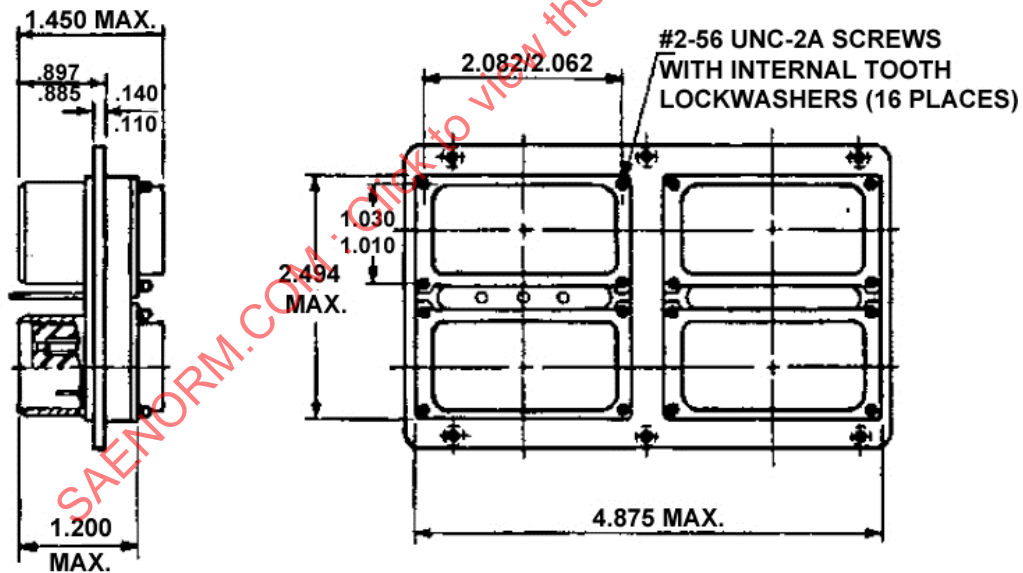


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CONTINUED)