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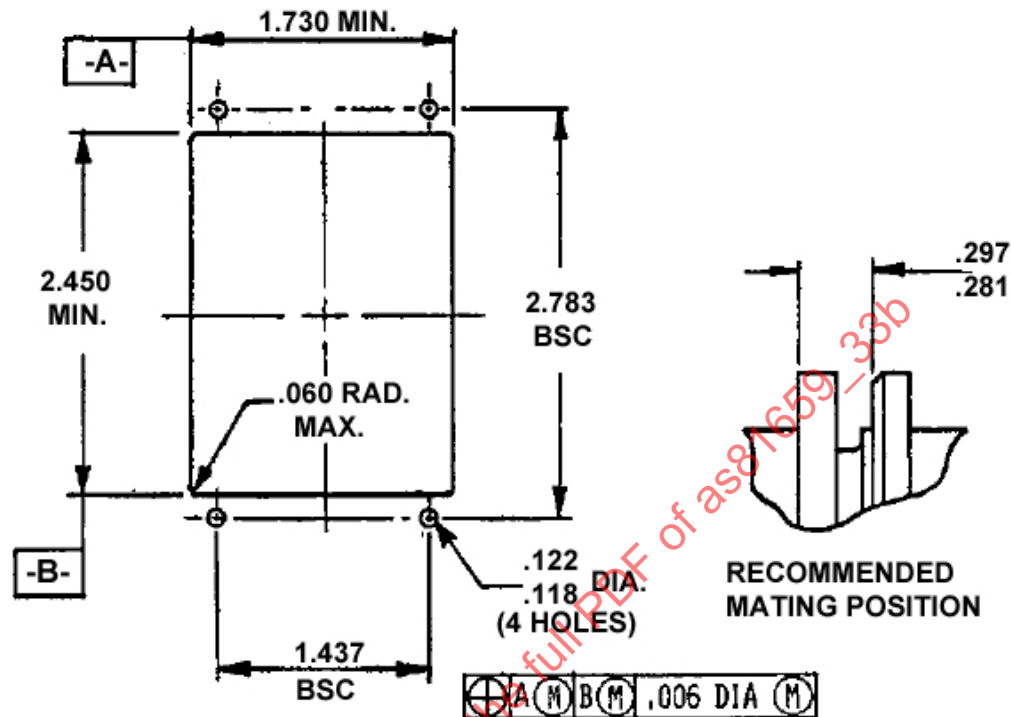
REV.
B

AS81659™/33

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION IS REQUIRED TO UPDATE THE CONNECTOR INSERT AND INSTALLING/REMOVAL TOOL REFERENCES.



SUGGESTED PANEL CUT-OUT DIMENSIONS

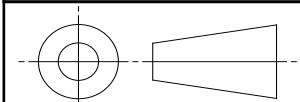
INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.006	.15	.125	3.18	.521	13.23	1.387	35.23	1.985	50.42
.047	1.19	.133	3.38	.541	13.74	1.3915	35.34	2.015	51.18
.060	1.52	.178	4.52	.7185	18.25	1.427	36.25	2.320	58.93
.093	2.36	.198	5.03	.885	22.48	1.437	36.50	2.440	61.98
.115	2.92	.225	5.72	.897	22.78	1.447	36.75	2.450	62.23
.117	2.97	.235	5.97	.927	23.55	1.541	39.14	2.783	70.69
.118	3.00	.281	7.14	.947	24.05	1.720	43.69	3.095	78.61
.122	3.10	.297	7.54	1.367	34.72	1.730	43.94	3.125	79.38

FIGURE 1 – CONNECTOR SUGGESTED PANEL CUTOUT/RECOMMENDED MATED POSITION

For more information on this standard, visit

<https://www.sae.org/standards/content/AS81659/33B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS81659



AEROSPACE STANDARD

CONNECTORS, ELECTRICAL, RECTANGULAR, PLUG,
CRIMP CONTACTS (DUAL INSERT, TYPE II, CLASS 1,
(-65 °C TO +125 °C), SERIES 2, SHELL DESIGNATOR A)

AS81659™/33
SHEET 1 OF 3

REV.
B

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ISSUED 2004-05 REVISED 2017-06 REAFFIRMED 2022-01

$\varnothing$ T G (M) R (M) .006 DIA (M)



CHARACTERS
.093 MIN. HIGH

DATUM G

3.125
3.095

1.3915
BSC

1.395
BSC

DATE CODE
CHARACTERS
.047 MIN. HIGH

2.015/1.985

MANUFACTURER'S NAME
OR TRADEMARK CHARACTERS
.047 MIN. HIGH

FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS