

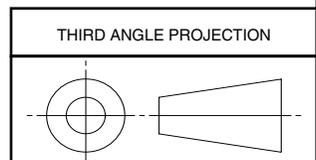
NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-81659/29B AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-C-81659/29B. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as81659-29



AS81659/29

SAE Technical Standards Board Rules 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 reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

ISSUED 2004-05

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81659



**AEROSPACE STANDARD**

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

**AS81659/29**  
SHEET 1 OF 4

Copyright 2004 SAE International

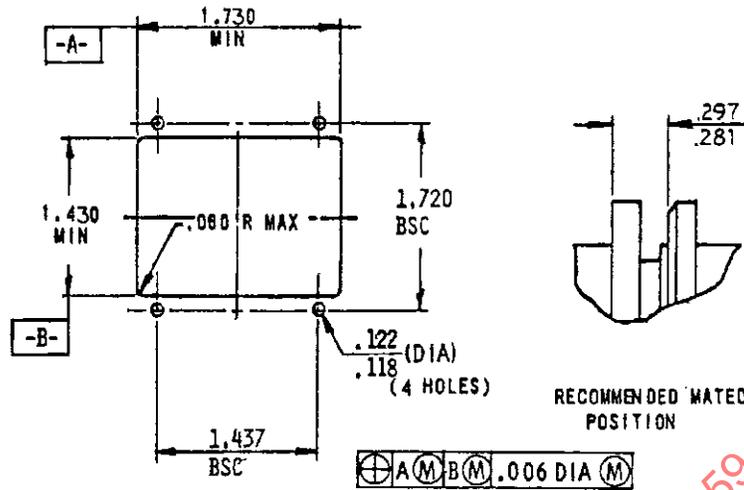
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)  
Fax: 724-776-0790

Tel: 724-776-4970 (outside USA)  
Email: custsvc@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

FOR CONNECTOR DRAWING SEE PAGE 2.



## SUGGESTED PANEL CUT-OUT

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.006	.15	.133	3.38	.550	13.97	1.000	25.40	1.541	39.14
.047	1.19	.178	4.52	.7185	18.25	1.175	29.84	1.720	43.69
.060	1.52	.198	5.03	.720	18.29	1.367	34.72	1.730	43.94
.115	2.92	.281	7.14	.885	22.48	1.387	35.23	1.985	50.42
.117	2.97	.297	7.54	.897	22.78	1.427	36.25	2.015	51.18
.118	3.00	.521	13.23	.928	23.57	1.430	36.32	2.032	51.61
.122	3.10	.541	13.74	.948	24.08	1.437	36.50	2.062	52.37
.125	3.18					1.447	36.75	2.320	58.93

## NOTES:

- DIMENSIONS ARE IN INCHES.
- METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
- DIMENSIONS APPLY AFTER PLATING.
- NORMAL (01) POLARIZATION POSITION SHOWN. FOR ALTERNATE POSITIONS SEE MIL-C-81659.
- FOR LOCATION OF DATUMS G AND H REFER TO MIL-C-81659, FIGURE 4.

