

AS31401

FEDERAL SUPPLY CLASS
5935

NOTICE

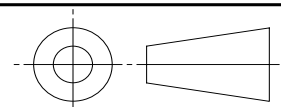
THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS3140C, NOTICE 2, AMENDMENT 1 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS3140C, NOTICE 2, AMENDMENT 1. 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 as31401

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81703

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE,
WALL MOUNTING FLANGE, PUSH-PULL, COUPLING,
SERIES 2 (CLASS E AND J)

AS31401
SHEET 1 OF 4

ISSUED 2004-06

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.

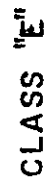
TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

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

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

CONNECTOR, RECEPTACLE, ELECTRIC, CRIMP TYPE,
WALL MOUNTING FLANGE, PUSH-PULL, COUPLING,
SERIES 2 (CLASS E AND J)

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.



1. TRUE POSITION (T.R) TOLERANCES SPECIFIED ARE IN ACCORDANCE WITH MIL-STD - 8.

2. DIMENSIONS LOCATING TRUE POSITIONS ARE BASIC.

NOTES

1. TRUE POSITION (T.R.) TOLERANCES SPECIFIED ARE IN ACCORDANCE WITH MIL-STD-8.

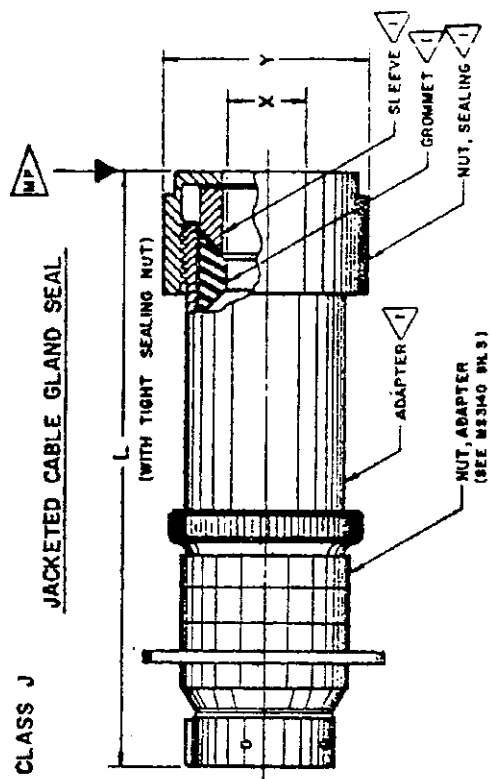
2. DIMENSIONS LOCATING TRUE POSITIONS ARE BASIC.

MS NUMBER	CLASS	THEORY	CONTACT	ALTERNATE	INSERT
		ARRANGEMENT	STYLE		POSITION
EXAMPLE OF PART NO:	MS 314 D E	10-50	3 Y		

DIMENSIONS IN INCHES
UNLESS OTHERWISE SPECIFIED, TOLERANCES DECIMALS: $\pm .016$
ANGULAR TOLERANCE: $\pm 1/2^\circ$

CLASS J

JACKETED CABLE GLAND SEAL



SHELL SIZE DASH NO.	L LENGTH MAX.	X INSIDE DIA.		Y MAX.	MAX. CABLE WEIGHTS POUNDS (ALLOWABLE FORCE IN DIRECTION INDICATED)
		MIN.	MAX.		
- 3	3.010	.178	.210	.645	2.0
- 7	3.994	.381	.413	.928	2.7
-12	4.480	.472	.444	.988	4.0
-18	4.494	.522	.584	1.113	5.5
-27	4.494	.600	.632	1.113	8.0
-37	4.625	.662	.694	1.176	12.0

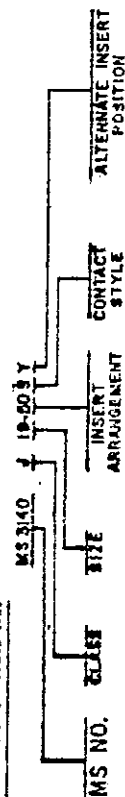
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.

TOLERANCE: DECIMALS .016, ANGULAR TOLERANCE $\pm 1/2^\circ$

FOR ADAPTER, SEALING NUT, GROMMET & SLEEVE SEE MS 3130 SH 3

CLASS J JACKETED CABLE GLAND SEAL - WATERTIGHT TYPE
FOR USE WITH CLASS E CONNECTORS

EXAMPLE OF PART NO.



THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS
REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL
BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.