FEDERAL SUPPLY CLASS
5935

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS3406 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 MS3406. 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.

ANY MATERIAL RELATING TO QUALIFIED PRODUCT LISTS HAS NOT BEEN ADOPTED BY SAE. THIS MATERIAL WAS PART OF THE ORIGINAL MILITARY SPECIFICATION AND IS REPRINTED HERE FOR HISTORIC REFERENCE ONLY.

SAENORM.COM : Click to view the full PDF of as34061

ISSUED 1998-01 REAFFIRMED 2003-11

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.

PREPARED BY SUBCOMMITTEE AE-8C1

PROCUREMENT SPECIFICATION MIL-C-5015

SAE Aerospace
An SAE International Group

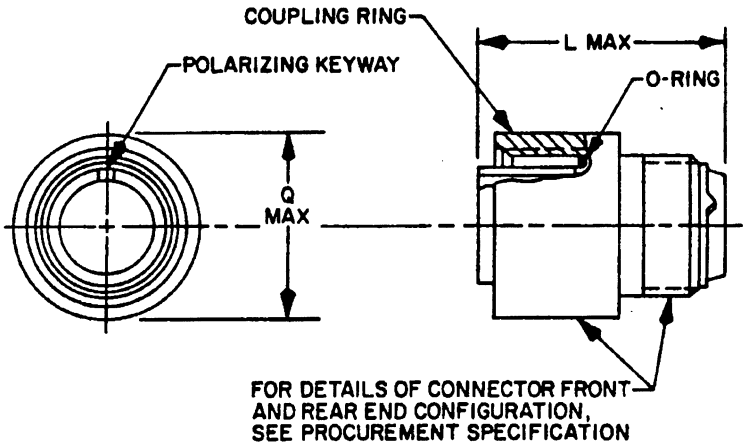
AEROSPACE STANDARD

CONNECTORS, PLUG, ELECTRIC,
FRONT RELEASE, CRIMP CONTACT,
AN TYPE

AS34061
SHEET 1 OF 7

Copyright © 2003 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)** **Tel: 724-776-4970 (outside USA)**
Fax: 724-776-0790 **Email: custsvc@sae.org** **SAE WEB ADDRESS: http://www.sae.org**



CLASSES D, K, L, U, W ENVIRONMENT RESISTANT

Classes R and S cancelled after 18 Oct 71
Class Y cancelled after 18 Feb 72
Class K connectors with electroless nickel inactive for design after 25 Apr 74
Classes L, U, and W inactive for design after 23 Mar 76

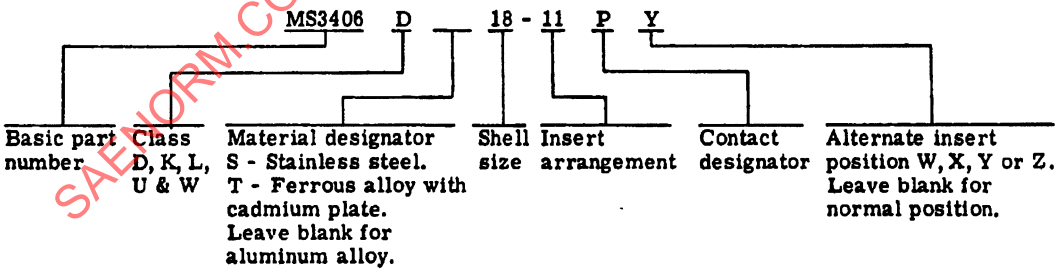
NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±.016.
3. DIMENSIONS AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5-1973.
4. MIL-C-5015 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE.
5. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL.
6. FOR INSERT ARRANGEMENTS SEE MIL-STD-1651.
7. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
8. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

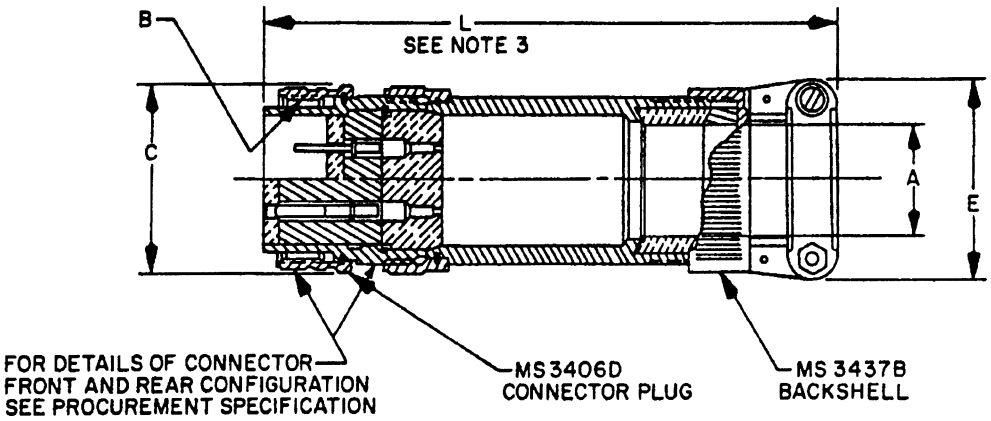
SAENORM.COM : Click to view the full PDF of as34061

SIZE	L MAX SIZE 16 & 12 CONT'S	L MAX SIZE 8, 4 & 0 CONT'S	Q MAX
8S	2.031		.844
10S			.969
10SL			.969
12S	2.031		1.062
12	2.125		1.062
14S	2.031		1.156
14	2.125		1.156
16S	2.031		1.250
16	2.125	2.500	1.250
18			1.344
20			1.469
22			1.594
24			1.719
28			1.969
32			2.219
36			2.469
40			2.719
44			2.969
48	2.125	2.500	3.219

EXAMPLE OF PART NO.: MS3406D 18-11PY



SAENORM.COM : Click to view the full PDF of as34061



CLASS DJ ENVIRONMENT RESISTANT

SAENORM.COM : Click to view the full PDF of as34061

REQUIREMENTS:

1. CONNECTOR AND BACKSHELL SHALL BE OF THE SAME MATERIAL AND FINISH IN ACCORDANCE WITH MIL-C-5015.
2. CONNECTOR, BACKSHELL AND ANCILLARY HARDWARE SHALL CONFORM TO THE DISSIMILAR METAL COMPATIBILITY REQUIREMENTS OF MIL-STD-454, REQUIREMENT 16.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±.016.
3. FOR SIZE 8, 4 AND 0 CONTACTS, ADD .375 TO OVERALL LENGTH.
4. UNIT PACKAGE SHALL BE MARKED WITH CLASS DJ PART NUMBER ONLY. CONNECTOR SHALL BE MARKED WITH CLASS D PART NUMBER.
5. THIS ASSEMBLY IS AVAILABLE ONLY WITH CLASS D OR DS CONNECTOR PLUG FOR JACKETED CABLE.
6. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF PIN AND SOCKET CONTACT CONNECTORS ARE IDENTICAL.
7. MIL-C-5015 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE.
8. DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ANSI Y14.5-1973.
9. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
10. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

ASSEMBLY NO.	CONNECTOR PLUG NO.	BACKSHELL ASSEMBLY NO.	A CABLE ENTRY DIA. MAX.	A CABLE ENTRY DIA. MIN.	B THREAD CLASS 2	C DIA. MAX.	E MAX.	L MAX.
MS3406DJ 10AXX	MS3406D-10S-XX	MS3437B-9A	.312	.125	.625-24UNEF	.969	.957	4.938
10BXX	-10S-XX	-11A	.437	.250		.969	1.145	5.688
10DXX	-10S-XX	-13GA	.375	.250		.969	1.145	4.938
11AXX	-10SL-XX	-9A	.312	.125		.969	.957	4.938
11BXX	-10SL-XX	-11A	.437	.250		.969	1.145	5.688
11DXX	-10SL-XX	-13GA	.375	.250	.625-24UNEF	.969	1.145	4.938
13AXX	-12S-XX	-11GA	.312	.125	.750-20UNEF	1.062	.957	4.938
13BXX	-12S-XX	-15A	.625	.350		1.062	1.332	5.688
13DXX	-12S-XX	-13GA	.500	.350		1.062	1.332	4.938
13EXX	-12S-XX	-13A	.437	.250		1.062	1.145	4.938
12AXX	-12-XX	-11GA	.312	.125		1.062	.957	4.938
12BXX	-12-XX	-15A	.625	.350		1.062	1.332	5.688
12DXX	-12-XX	-13GA	.500	.350		1.062	1.332	4.938
12EXX	-12-XX	-13A	.437	.250	.750-20UNEF	1.062	1.145	4.938
15AXX	-14S-XX	-11GA	.437	.250	.875-20UNEF	1.156	1.145	4.938
15BXX	-14S-XX	-19A	.750	.500		1.156	1.551	5.750
15DXX	-14S-XX	-17A	.575	.350		1.156	1.332	4.938
15EXX	-14S-XX	-15GA	.312	.125		1.156	.957	4.938
14AXX	-14-XX	-11GA	.437	.250		1.156	1.145	4.938
14BXX	-14-XX	-19A	.750	.500		1.156	1.551	5.750
14DXX	-14-XX	-17A	.575	.350		1.156	1.332	4.938
14EXX	-14-XX	-15GA	.312	.125	.875-20UNEF	1.156	.957	4.938
17AXX	-16S-XX	-21A	.700	.500	1.000-20UNEF	1.250	1.551	5.000
17BXX	-16S-XX	-23A	.937	.625		1.250	1.770	5.812
17DXX	-16S-XX	-11GA	.437	.250		1.250	1.145	4.938
17EXX	-16S-XX	-11GA	.625	.350		1.250	1.332	4.938
16AXX	-16-XX	-21A	.700	.500		1.250	1.551	5.000
16BXX	-16-XX	-23A	.937	.625		1.250	1.770	5.812
16DXX	-16-XX	-11GA	.437	.250		1.250	1.145	4.938
16EXX	-16-XX	-11GA	.625	.350	1.000-20UNEF	1.250	1.332	4.938
18AXX	-18-XX	-25A	.625	.350	1.125-18UNEF	1.344	1.332	4.938
18BXX	-18-XX	-27A	.750	.500		1.344	1.551	5.000
18EXX	-18-XX	-120A	.312	.125		1.344	.957	4.938
18FXX	-18-XX	-122A	.437	.250	1.125-18UNEF	1.344	1.145	4.938
20AXX	-20-XX	-31A	.625	.350	1.250-18UNEF	1.469	1.332	5.938
20BXX	-20-XX	-33A	.750	.500		1.469	1.551	6.000
20EXX	-20-XX	-37A	1.250	.875		1.469	2.113	7.062
20FXX	-20-XX	-124A	.437	.250		1.469	1.145	5.938
20GXX	-20-XX	-140A	.904	.625	1.250-18UNEF	1.469	1.770	6.062
22AXX	-22-XX	-39A	.625	.350	1.375-18UNEF	1.594	1.332	5.938
22BXX	-22-XX	-41A	.750	.500		1.594	1.551	6.000
22DXX	-22-XX	-43A	.937	.625		1.594	1.770	6.062
22EXX	-22-XX	-45A	1.250	.875		1.594	2.113	7.062
MS3406DJ 22FXX	MS3406D -22-XX	MS3437B -126A	.312	.125	1.375-18UNEF	1.594	.957	5.938

SAENORM.COM : Click to view the full PDF of as34061