

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

AS34061

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 1998-01 REAFFIRMED 2003-11

PREPARED BY SUBCOMMITTEE AE-8C1

PROCUREMENT SPECIFICATION MIL-C-5015

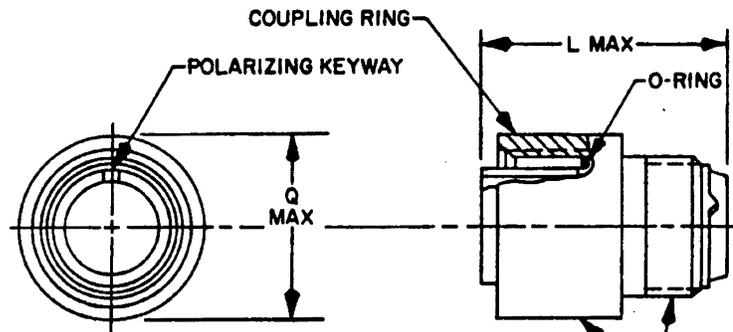


AEROSPACE STANDARD

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

AS34061
SHEET 1 OF 7

AS34061



FOR DETAILS OF CONNECTOR FRONT
AND REAR END CONFIGURATION,
SEE PROCUREMENT SPECIFICATION

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

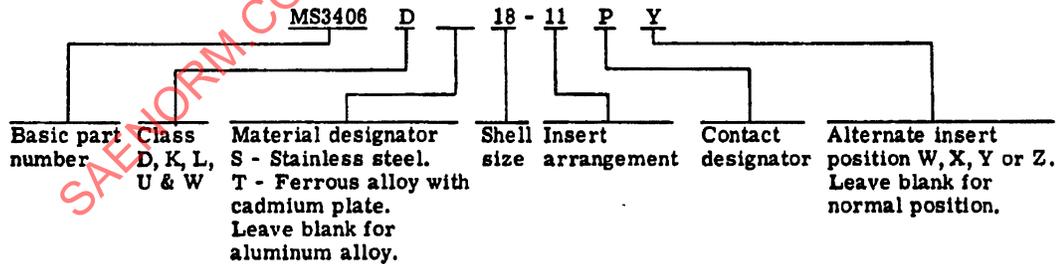
NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± 0.016 .
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.

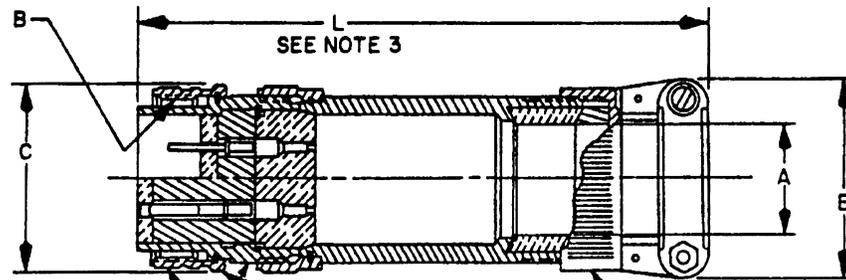
AS34061

SIZE	L. MAX		Q MAX
	SIZE 16 & 12 CONT'S	SIZE 8, 4 & 0 CONT'S	
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



AS34061



FOR DETAILS OF CONNECTOR
FRONT AND REAR CONFIGURATION
SEE PROCUREMENT SPECIFICATION

MS 3406D
CONNECTOR PLUG

MS 3437B
BACKSHELL

CLASS DJ ENVIRONMENT RESISTANT

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 $\pm .016$.
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.

AS34061

ASSEMBLY NO.	CONNECTOR PLUG NO.	BACKSHELL ASSEMBLY NO.	CABLE MAX.	A ENTRY 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	↑	↑	.437	.250	↑	.969	1.145	5.688
↑	10DXX	↑	↑	.375	.250	↑	.969	1.145	4.938
↑	11AXX	↑	↑	.312	.125	↑	.969	.957	4.938
↑	11BXX	↑	↑	.437	.250	↓	.969	1.145	5.688
↑	11DXX	↑	↑	.375	.250	.625-24UNEF	.969	1.145	4.938
↑	13AXX	↑	↑	.312	.125	.750-20UNEF	1.062	.957	4.938
↑	13PXX	↑	↑	.625	.350	↑	1.062	1.332	5.688
↑	13DXX	↑	↑	.500	.350	↑	1.062	1.332	4.938
↑	13EXX	↑	↑	.437	.250	↑	1.062	1.145	4.938
↑	12AXX	↑	↑	.312	.125	↑	1.062	.957	4.938
↑	12BXX	↑	↑	.625	.350	↑	1.062	1.332	5.688
↑	12DXX	↑	↑	.500	.350	↓	1.062	1.332	4.938
↑	12EXX	↑	↑	.437	.250	.750-20UNEF	1.062	1.145	4.938
↑	15AXX	↑	↑	.437	.250	.875-20UNEF	1.156	1.145	4.938
↑	15BXX	↑	↑	.750	.500	↑	1.156	1.551	5.750
↑	15DXX	↑	↑	.575	.350	↑	1.156	1.332	4.938
↑	15EXX	↑	↑	.312	.125	↑	1.156	.957	4.938
↑	14AXX	↑	↑	.437	.250	↑	1.156	1.145	4.938
↑	14BXX	↑	↑	.750	.500	↑	1.156	1.551	5.750
↑	14DXX	↑	↑	.575	.350	↓	1.156	1.332	4.938
↑	14EXX	↑	↑	.312	.125	.875-20UNEF	1.156	.957	4.938
↑	17AXX	↑	↑	.700	.500	1.000-20UNEF	1.250	1.551	5.000
↑	17BXX	↑	↑	.937	.625	↑	1.250	1.770	5.812
↑	17DXX	↑	↑	.437	.250	↑	1.250	1.145	4.938
↑	17EXX	↑	↑	.625	.350	↑	1.250	1.332	4.938
↑	16AXX	↑	↑	.700	.500	↑	1.250	1.551	5.000
↑	16BXX	↑	↑	.937	.625	↑	1.250	1.770	5.812
↑	16DXX	↑	↑	.437	.250	↓	1.250	1.145	4.938
↑	16EXX	↑	↑	.625	.350	1.000-20UNEF	1.250	1.332	4.938
↑	18AXX	↑	↑	.625	.350	1.125-18UNEF	1.344	1.332	4.938
↑	18BXX	↑	↑	.750	.500	↑	1.344	1.551	5.000
↑	18EXX	↑	↑	.312	.125	↑	1.344	.957	4.938
↑	18FXX	↑	↑	.437	.250	1.125-18UNEF	1.344	1.145	4.938
↑	20AXX	↑	↑	.625	.350	1.250-18UNEF	1.469	1.332	5.938
↑	20BXX	↑	↑	.750	.500	↑	1.469	1.551	6.000
↑	20EXX	↑	↑	1.250	.975	↑	1.469	2.113	7.062
↑	20FXX	↑	↑	.437	.250	↓	1.469	1.145	5.938
↑	20GXX	↑	↑	.904	.625	1.250-18UNEF	1.469	1.770	6.062
↑	22AXX	↑	↑	.625	.350	1.375-18UNEF	1.594	1.332	5.938
↑	22BXX	↑	↑	.750	.500	↑	1.594	1.551	6.000
↑	22EXX	↑	↑	.937	.625	↑	1.594	1.770	6.062
↓	22EXX	↓	↓	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