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ISSUED 1998-01 REAFFIRMED 2003-11

PREPARED BY SAE SUBCOMMITTEE AE-8C1

PROCUREMENT SPECIFICATION MIL-C-5015

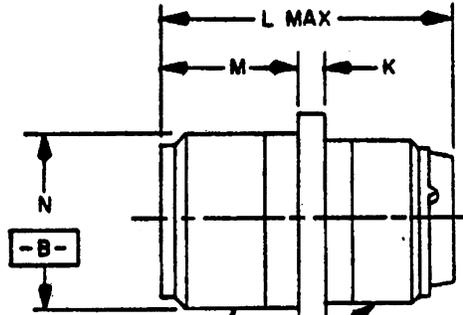
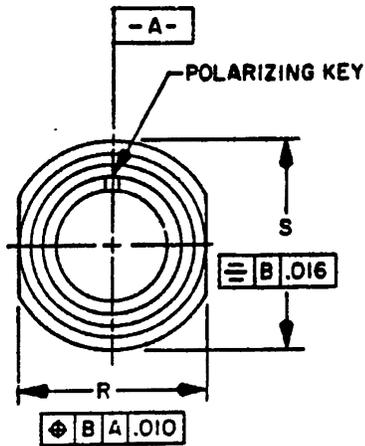


AEROSPACE STANDARD

CONNECTORS, RECEPTACLE, ELECTRIC,
CABLE CONNECTING, FRONT RELEASE,
CRIMP CONTACT, AN TYPE

AS34011
SHEET 1 OF 7

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

CLASSES D, L, U, W ENVIRONMENT RESISTANT

Class R cancelled after 18 Oct 71
 Classes K and Y cancelled after 18 Feb 72
 Classes L, U, and W inactive for design after 23 MAR 76

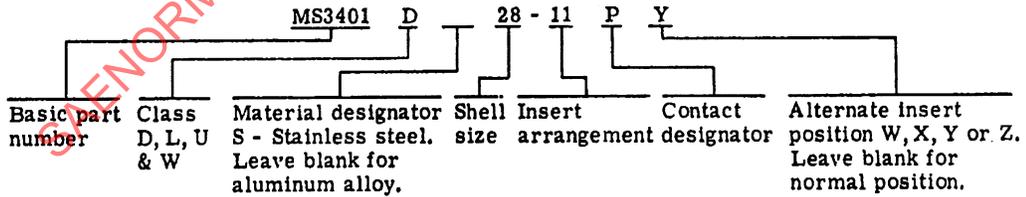
NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS $\pm .016$.
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.

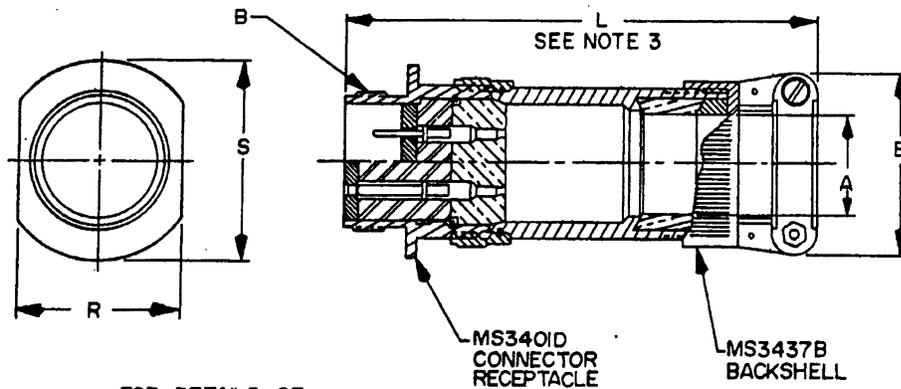
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SIZE	K ±.015	L MAX		M +.031 -.000	N +.000 -.062	R	S ±.031
		SIZE 16 & 12 CONT'S	SIZE 8, 4 & 0 CONT'S				
8S	.083	2.031		.562	.532	.504 .486	.729
10S					.656	.629 .621	.854
10SL					.656	.629 .621	.854
12S		2.031		.562	.782	.754 .746	.974
12		2.125		.750	.782	.754 .746	.974
14S		2.031		.562	.906	.879 .871	1.099
14		2.125		.750	.906	.879 .871	1.099
16S		2.031		.562	1.032	1.005 .996	1.224
16	.083	2.125	2.500	.750	1.032	1.005 .996	1.224
18	.125				1.156	1.131 1.121	1.349
20					1.282	1.256 1.246	1.474
22				.750	1.406	1.381 1.371	1.599
24				.812	1.532	1.506 1.496	1.715
28				.812	1.782	1.756 1.746	1.974
32				.875	2.032	2.007 1.996	2.224
36					2.282	2.257 2.246	2.474
40					2.532	2.511 2.496	2.724
44					2.782	2.761 2.746	2.974
48	.125	2.125	2.500	.875	3.032	3.011 2.996	3.224

EXAMPLE OF PART NO.: MS3401D 28-11P Y



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FOR DETAILS OF
CONNECTOR FRONT &
REAR END CONFIGURATION
SEE PROCUREMENT
SPECIFICATION

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 RECEPTACLE 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. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
10. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

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ASSEMBLY NO.	CONNECTOR RECEPTACLE NO.	BACKSHELL ASSEMBLY NO.	CABLE ENTRY		B THREAD CLASS 2	E MAX.	MAX.	R + .004	S - .015
			MAX.	HT.					
MS3401DJ 10AXX	MS3401D-10S-XX	MS3437D-9A	.312	.125	.625-24UNEF	.957	4.938	.625	.854
10BXX	-10S-XX	-11A	.437	.250		1.145	5.638	.625	.854
10DXX	-10S-XX	-136A	.375	.250		1.145	4.938	.625	.854
11AXX	-10SI-XX	-9A	.312	.125		.957	4.938	.625	.854
11BXX	-10SI-XX	-11A	.437	.250		1.145	5.638	.625	.854
11DXX	-10SI-XX	-136A	.375	.250	.625-24UNEF	1.145	4.938	.625	.854
13AXX	-12S-XX	-114A	.312	.125	.750-20UNEF	.957	4.938	.750	.974
13BXX	-12S-XX	-15A	.625	.350		1.332	5.638	.750	.974
13DXX	-12S-XX	-138A	.500	.350		1.332	4.938	.750	.974
13EXX	-12S-XX	-13A	.437	.250		1.145	4.938	.750	.974
12AXX	-12-XX	-114A	.312	.125		.957	4.938	.750	.974
12BXX	-12-XX	-15A	.625	.350		1.332	5.638	.750	.974
12DXX	-12-XX	-138A	.500	.350		1.332	4.938	.750	.974
12EXX	-12-XX	-13A	.437	.250	.750-20UNEF	1.145	4.938	.750	.974
15AXX	-14S-XX	-116A	.437	.250	.875-20UNEF	1.145	4.938	.875	1.099
15BXX	-14S-XX	-19A	.750	.500		1.551	5.750	.875	1.099
15DXX	-14S-XX	-17A	.575	.350		1.332	4.938	.875	1.099
15EXX	-14S-XX	-150A	.312	.125		.957	4.938	.875	1.099
14AXX	-14-XX	-116A	.437	.250		1.145	4.938	.875	1.099
14BXX	-14-XX	-19A	.750	.500		1.551	5.750	.875	1.099
14DXX	-14-XX	-17A	.575	.350		1.332	4.938	.875	1.099
14EXX	-14-XX	-150A	.312	.125	.875-20UNEF	.957	4.938	.875	1.099
17AXX	-16S-XX	-21A	.700	.500	1.000-20UNEF	1.551	5.000	1.000	1.224
17BXX	-16S-XX	-23A	.937	.625		1.770	5.812	1.000	1.224
17DXX	-16S-XX	-112A	.437	.250		1.145	4.938	1.000	1.224
17EXX	-16S-XX	-118A	.625	.350		1.332	4.938	1.000	1.224
16AXX	-16-XX	-21A	.700	.500		1.551	5.000	1.000	1.224
16BXX	-16-XX	-23A	.937	.625		1.770	5.812	1.000	1.224
16DXX	-16-XX	-112A	.437	.250		1.145	4.938	1.000	1.224
16EXX	-16-XX	-118A	.625	.350	1.000-20UNEF	1.332	4.938	1.000	1.224
18AXX	-18-XX	-25A	.625	.350	1.125-18UNEF	1.332	4.938	1.125	1.349
18BXX	-18-XX	-27A	.750	.500		1.551	5.000	1.125	1.349
18EXX	-18-XX	-120A	.312	.125		.957	4.938	1.125	1.349
18FXX	-18-XX	-122A	.437	.250	1.125-18UNEF	1.145	4.938	1.125	1.349
20AXX	-20-XX	-31A	.625	.350	1.250-18UNEF	1.332	5.938	1.250	1.474
20BXX	-20-XX	-33A	.750	.500		1.551	5.000	1.250	1.474
20EXX	-20-XX	-37A	1.250	.875		2.113	7.062	1.250	1.474
20FXX	-20-XX	-124A	.437	.250		1.145	5.938	1.250	1.474
20GXX	-20-XX	-140A	.904	.625	1.250-18UNEF	1.770	5.062	1.250	1.474
22AXX	-22-XX	-39A	.625	.350	1.375-18UNEF	1.332	5.938	1.375	1.599
22BXX	-22-XX	-41A	.750	.500		1.551	6.000	1.375	1.599
22DXX	-22-XX	-43A	.937	.625		1.770	5.062	1.375	1.599
22EXX	-22-XX	-45A	1.250	.875		2.113	7.062	1.375	1.599
MS3401DJ 22FXX	MS3401D-22-XX	MS3437B-126A	.312	.125	1.375-18UNEF	.957	5.938	1.375	1.599