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AS34011

FEDERAL SUPPLY CLASS
5935

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ISSUED 1998-01 REAFFIRMED 2003-11

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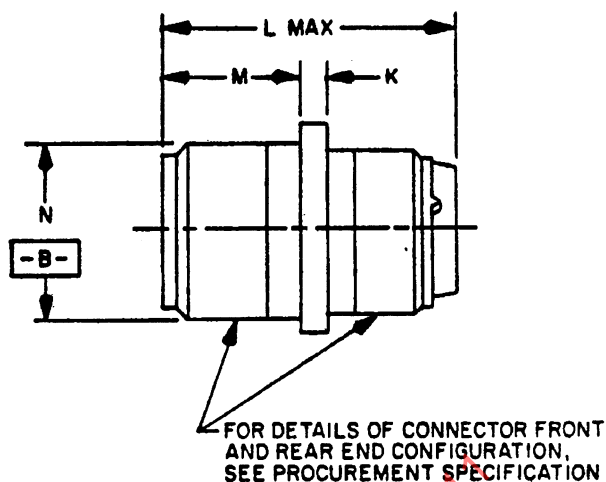
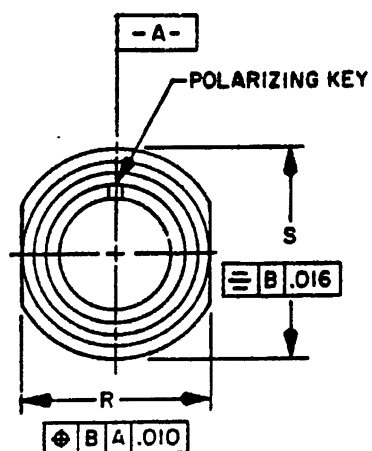
PROCUREMENT SPECIFICATION MIL-C-5015

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

AS34011
SHEET 1 OF 7



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

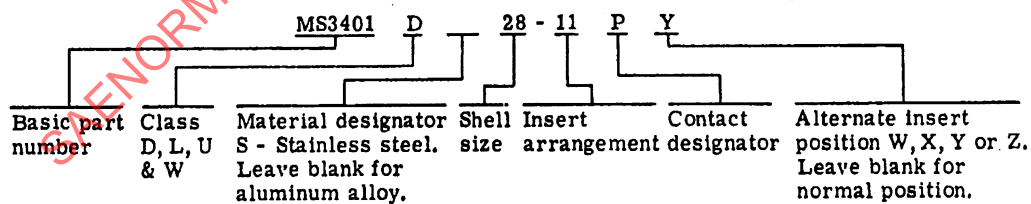
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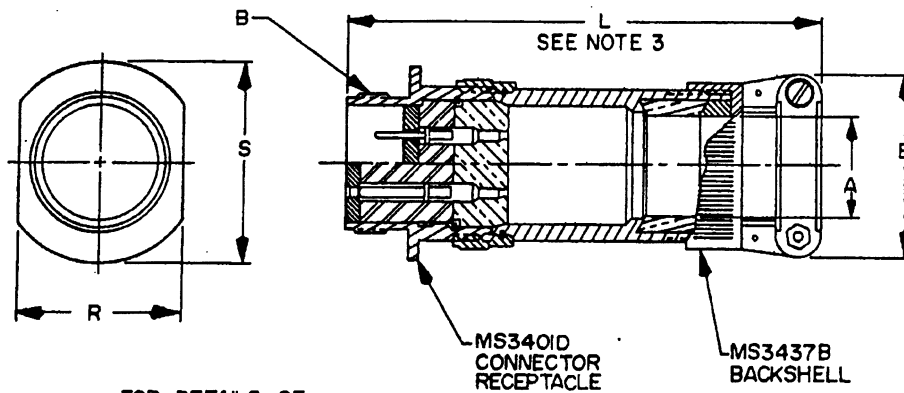
1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS $\pm .016$.
3. DIMENSIONS AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5-1973.
4. MIL-C-5015 CRIMP CONTACT, FRONT AND REAR RELEASE CONNECTORS AND SOLDER CONTACT CONNECTORS ARE INTERMATEABLE.
5. UNLESS OTHERWISE SHOWN, CORRESPONDING 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 28-11PY





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 MAX.	ENTRY MIN.	THREAD CLASS 2	E MAX.	I MAX.	R + .004	S + .015
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	6.000	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	6.062	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	6.062	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