

**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 interchangeable.
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.

Ⓒ DENOTES CHANGES

APPROVED 7 NOV 69 REVISED Ⓔ 17 DEC /5 Ⓕ 23 MAR 76 Ⓒ 9 APR 1979

This military standard is approved for use by Naval Air Systems Command, NAVY AS, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

User activities:

Review activities:

P.A Navy - AS Other Cust	International Interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, CABLE CONNECTING, FRONT RELEASE, CRIMP CONTACT, AN TYPE	MILITARY STANDARD
Procurement Specification MIL-C-5015	SUPERSEDES:		MS3401(NAVY)
			PAGE 1 OF 6

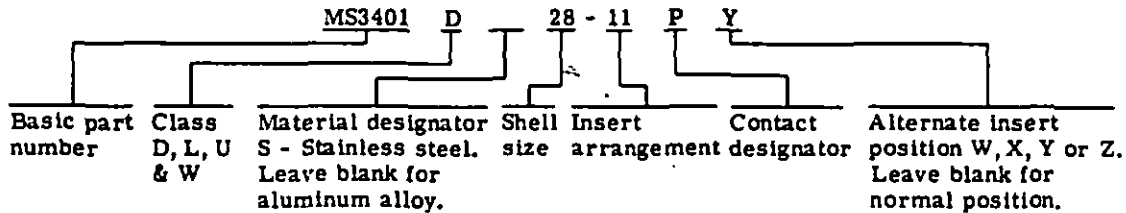
User activities:

Review activities:

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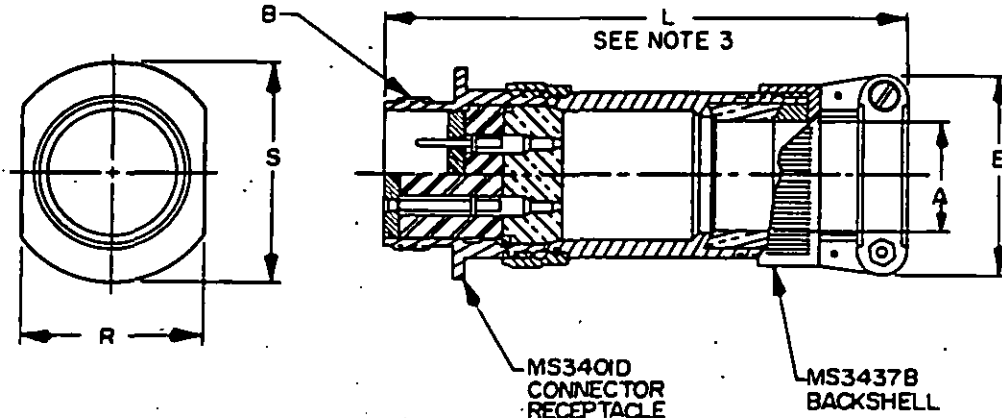
SIZE	K ±.015	L MAX		M +.031 -.000	N +.000 -.062	R	S ±.031
		SIZE 16 & 12 CONT'S	SIZE 8, 4 & 0 CONT'S				
8S	.083	2.031		.562	.532	.504 .496	.729
10S					.656	.629 .621	.854
10SL					.656	.629 .621	.854
12S		2.031		.562	.782	.754 .746	.974
12		2.125		.750	.782	.754 .746	.974
14S		2.031		.562	.906	.879 .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



P.A Navy - AS Other Cust	International Interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, CABLE CONNECTING, FRONT RELEASE, CRIMP CONTACT, AN TYPE	MILITARY STANDARD
Procurement Specification MIL-C-5015	SUPERSEDES:		MS3401(NAVY)
			PAGE 2 OF 6

APPROVED 7 NOV 69 REVISED (C) FOR CHANGES SEE SHEET 3



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 interchangeable.
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.

User activities:  
  
 Review activities:  
  
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APPROVED 7 NOV 69 REVISED 7 NOV 69 FOR CHANGES SEE SHEET 3

P.A Navy - AS Other Cust	International Interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, CABLE CONNECTING, FRONT RELEASE, CRIMP CONTACT, AN TYPE	MILITARY STANDARD
Procurement Specification MIL-C-5015		SUPERSEDES:	MS340I(NAVY)
			PAGE 3 OF 6

User activities:

Review activities:

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ASSEMBLY NO.	CONNECTOR RECEPTACLE NO.	BACKSHELL ASSEMBLY NO.	CABLE ENTRY		THREAD CLASS 2	E MAX.	L MAX.	R + .004	S + .015
			MAX	MIN					
MS3401DJ 10AXX	MS3401D-10S-XX	MS3437B-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	.525	.854
11AXX	-10S1-XX	-9A	.312	.125	↑	.957	4.938	.625	.854
11BXX	-10S1-XX	-11A	.437	.250	↓	1.145	5.638	.625	.854
11DXX	-10S1-XX	-136A	.375	.250	625-24UNEF	1.145	4.938	.625	.854
13AXX	-12S-XX	-119A	.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	-118A	.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
19AXX	-18-XX	-25A	.625	.350	1.125-18UNEF	1.332	4.938	1.125	1.349
19BXX	-18-XX	-27A	.750	.500	↑	1.551	5.000	1.125	1.349
19EXX	-18-XX	-120A	.312	.125	↓	.957	4.938	1.125	1.349
18BXX	-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	-129A	.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	5.000	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

APPROVED 7 Nov 69 REVISED (G) FOR CHANGES SEE SHEET 3

P.A Navy - AS

Other Cust

International Interest

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

MILITARY STANDARD

MS3401(NAVY)

Procurement Specification MIL-C-5015

SUPERSEDES:

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FED. SUP CLASS  
5935

User activities:

Review activities:

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ASSEMBLY NO.	CONNECTOR RECEPTACLE NO.	BACKSHELL ASSEMBLY NO.	CABLE ENTRY		THREAD CLASS 2	E MAX.	L MAX.	R -.004	S -.015
			MAX.	MIN.					
MS3401DJ 22GXX	MS3401D-22-XX	MS3437B-128A	.437	.250	1.375-13UNEF	1.145	5.938	1.375	1.595
22HXX	-22-XX	-142A	1.029	.375	1.375-18UNEF	2.113	6.312	1.375	1.595
24AXX	-24-XX	-47A	.750	.500	1.500-18UNEF	1.551	6.000	1.500	1.715
24BXX	-24-XX	-49A	.812	.625		1.770	6.062	1.500	1.715
24DXX	-24-XX	-51A	.937	.625		1.770	6.062	1.500	1.715
24EXX	-24-XX	-53A	1.250	.875		2.113	7.062	1.500	1.715
24FXX	-24-XX	-130A	.625	.350		1.332	5.938	1.500	1.715
24GXX	-24-XX	-144A	1.144	.875	1.500-18UNEF	2.113	6.312	1.500	1.715
28AXX	-28-XX	-55A	.750	.500	1.750-18UNS	1.551	6.000	1.750	1.974
28BXX	-28-XX	-57A	.937	.625		1.770	6.062	1.750	1.974
28DXX	-28-XX	-59A	1.250	.875		2.113	6.312	1.750	1.974
28EXX	-28-XX	-61A	1.375	1.000	1.750-18UNS	2.363	6.438	1.750	1.974
32AXX	-32-XX	-63A	.937	.625	2.000-18UNS	1.770	6.062	2.000	2.224
32BXX	-32-XX	-65A	1.250	.875		2.113	6.312	2.000	2.224
32DXX	-32-XX	-67A	1.375	1.000		2.363	6.438	2.000	2.224
32EXX	-32-XX	-69A	1.625	1.250	2.000-18UNS	2.770	6.750	2.000	2.224
36AXX	-36-XX	-71A	1.250	.875	2.250-16UN	2.113	7.312	2.250	2.974
36BXX	-36-XX	-73A	1.375	1.000		2.363	7.438	2.250	2.974
36DXX	-36-XX	-75A	1.625	1.250		2.770	7.688	2.250	2.974
36EXX	-36-XX	-146A	1.840	1.437		3.020	7.750	2.250	2.974
36FXX	-36-XX	-132A	.750	.500		1.551	7.000	2.250	2.974
36GXX	-36-XX	-148A	.937	.625	2.250-25UN	1.770	7.062	2.250	2.974
40AXX	-40-XX	-79A	1.250	.875	2.500-16UN	2.113	7.312	2.500	2.724
40BXX	-40-XX	-81A	1.375	1.000		2.363	7.438	2.500	2.724
40DXX	-40-XX	-83A	1.625	1.250		2.770	7.688	2.500	2.724
40EXX	-40-XX	-85A	1.840	1.437		3.020	7.750	2.500	2.724
40FXX	-40-XX	-134A	.750	.500	2.500-16UN	1.551	7.000	2.500	2.724
44AXX	-44-XX	-87A	1.250	.875	2.750-16UN	2.113	7.312	2.750	2.974
44BXX	-44-XX	-89A	1.375	1.000		2.363	7.438	2.750	2.974
44DXX	-44-XX	-91A	1.625	1.250		2.770	7.688	2.750	2.974
44EXX	-44-XX	-93A	1.840	1.437		3.020	7.750	2.750	2.974
44FXX	-44-XX	-154A	.937	.625	2.750-16UN	1.770	7.062	2.750	2.974
48AXX	-48-XX	-95A	1.250	.875	3.000-16UN	2.113	7.312	3.000	3.224
48BXX	-48-XX	-97A	1.375	1.000		2.363	7.438	3.000	3.224
48DXX	-48-XX	-99A	1.625	1.250		2.770	7.688	3.000	3.224
MS3401DJ 48EXX	MS3401D-48-XX	MS3437B-101A	1.840	1.437	3.000-16UN	3.020	7.750	3.000	3.224

APPROVED 7 Nov 68 REVISED (C) FOR CHANGES SEE SHEET 3

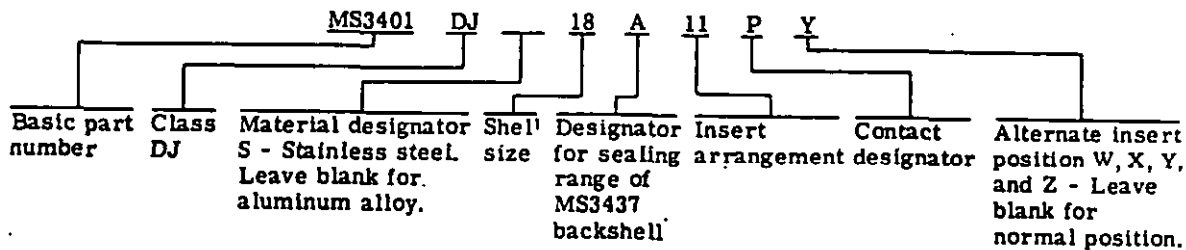
P.A Navy - AS Other Cust	International Interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, CABLE CONNECTING, FRONT-RELEASE, CRIMP CONTACT, AN TYPE	MILITARY STANDARD MS3401(NAVY)
Procurement Specification MIL-C-5015	SUPERSEDES:		PAGE 5 OF 6

User activities:

Review activities:

SUPERSESSION DATA	
Buships Dwg. RE492043 Part number	Superseded by Part number
10-214110-**	MS3401DJ10A**
↑ 111-**	↑ 11A**
112-**	13A**
113-**	12A**
114-**	15A**
115-**	14A**
116-**	17E**
117-**	16E**
118-**	18A**
120-**	20B**
122-**	22B**
124-**	24D**
128-**	28B**
132-**	32B**
136-**	36B**
140-**	40D**
10-214144-**	MS3401DJ44E**

EXAMPLE OF PART NO.: MS3401DJ 18A11PY



APPROVED 7 Nov 69 REVISED (C) FOR CHANGES SEE SHEET 3

P.A Navy - AS Other Cust	International Interest	TITLE CONNECTORS, RECEPTACLE, ELECTRIC, CABLE CONNECTING, FRONT RELEASE, CRIMP CONTACT, AN TYPE	MILITARY STANDARD
Procurement Specification / MIL-C-5015	SUPERSEDES:		MS3401(NAVY)
			PAGE 6 OF 6

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