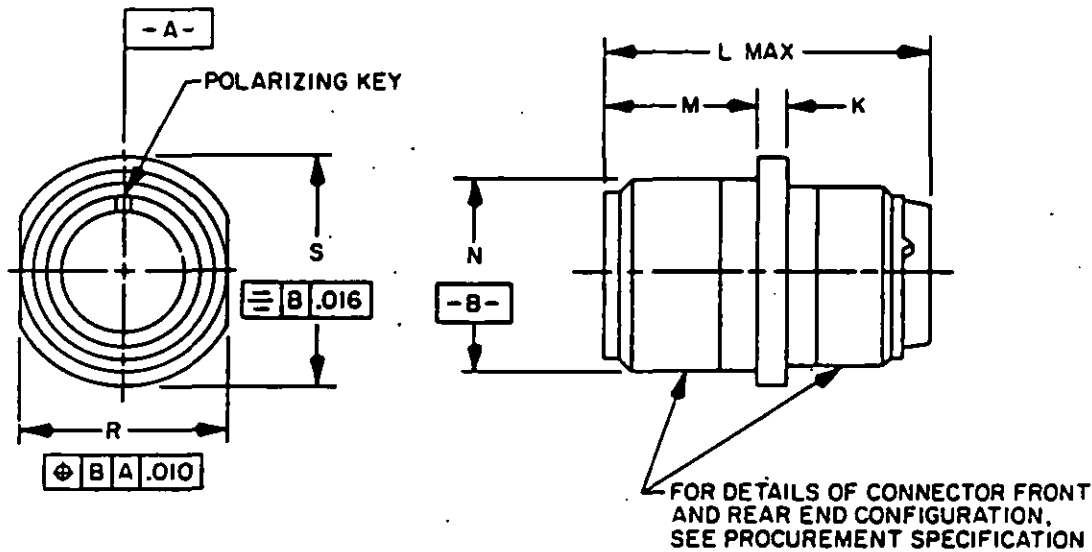


FED. SUP CLASS
5935CLASSES D, L, U, W ENVIRONMENT RESISTANT

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

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

DD FORM 672 (Limited coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1 MAY 73

PROJECT NO. 5935-N066-2

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:

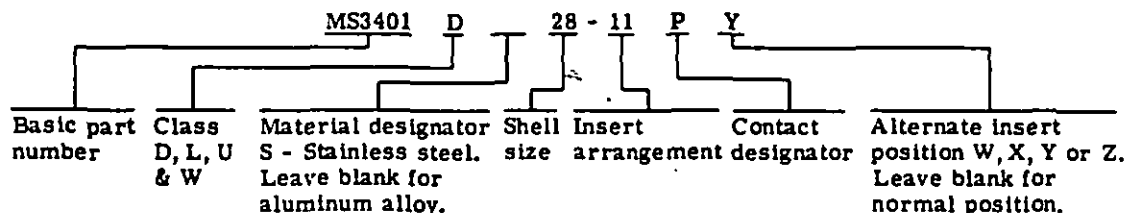
APPROVED 7 NOV 69

REVISED Ⓔ17 DEC /5Ⓕ 23 MAR 76 Ⓒ 9 APR 1979

FED. SUP CLASS
5935

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

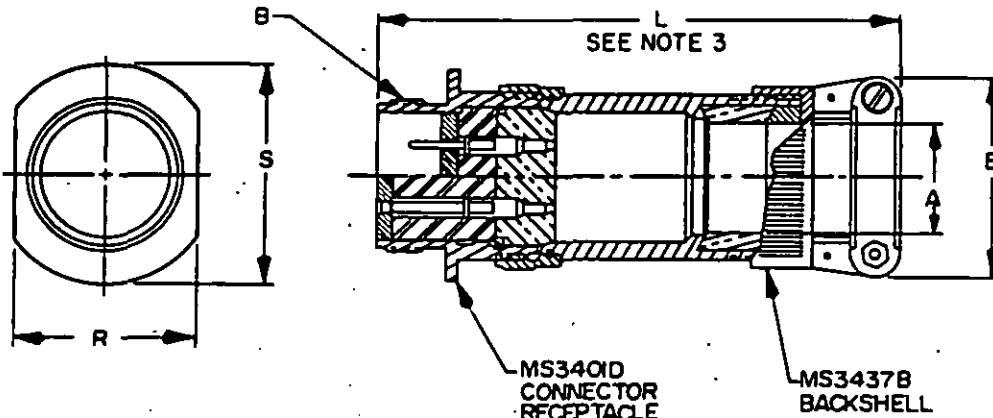
DD FORM 672 (Limited coordinated) 1 MAY 73 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

User activities:

Review activities:

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.

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

FED. SUP CLASS
5935

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.

APPROVED 7 NOV 69 REVISED 7 NOV 69 FOR CHANGES SEE SHEET 3

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

FED. SUP CLASS
5935

User activities:

Review activities:

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.

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	-138	.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
18AXX	-14-XX	-116A	.437	.250		1.145	4.938	.875	1.099
18BXX	-14-XX	-19A	.750	.500		1.551	5.750	.875	1.099
18DXX	-14-XX	-17A	.575	.350		1.332	4.938	.875	1.099
18EXX	-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
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	-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 (C) FOR CHANGES SEE SHEET 3

P.A Navy - AS

Other Cust

In accordance with

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

MILITARY STANDARD

MS3401(NAVY)

Procurement Specification
MIL-C-5015

SUPERSEDES:

PAGE 4 OF 6

DD FORM 672
1 MAY 73

(Limited coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

FED. SUP CLASS
5935

User activities:

Review activities:

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.

ASSEMBLY NO.	CONNECTOR RECEPTACLE NO.	BACKSHELL ASSEMBLY NO.	CABLE ENTRY MAX. MIN.	THREAD CLASS 2	E MAX.	L MAX.	R -.004	S -.015
MS3401D1 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	1.975
28BXX	-28-XX	-57A	.937 .625		1.770	6.062	1.750	1.975
28DXX	-28-XX	-59A	1.250 .875		2.113	6.312	1.750	1.975
28EXX	-28-XX	-61A	1.375 1.000	1.750-18UNS	2.363	6.438	1.750	1.975
32AXX	-32-XX	-63A	.937 .625	2.000-18UNS	1.770	6.062	2.000	2.225
32BXX	-32-XX	-65A	1.250 .875		2.113	6.312	2.000	2.225
32DXX	-32-XX	-67A	1.375 1.000		2.363	6.438	2.000	2.225
32EXX	-32-XX	-69A	1.625 1.250	2.000-18UNS	2.770	6.750	2.000	2.225
36AXX	-36-XX	-71A	1.250 .875	2.250-16UN	2.113	7.312	2.250	2.475
36BXX	-36-XX	-73A	1.375 1.000		2.363	7.438	2.250	2.475
36DXX	-36-XX	-75A	1.625 1.250		2.770	7.688	2.250	2.475
36EXX	-36-XX	-146A	1.840 1.437		3.020	7.750	2.250	2.475
36FXX	-36-XX	-132A	.750 .500		1.551	7.000	2.250	2.475
36GXX	-36-XX	-148A	.937 .625	2.250-25UN	1.770	7.062	2.250	2.475
40AXX	-40-XX	-79A	1.250 .875	2.500-16UN	2.113	7.312	2.500	2.725
40BXX	-40-XX	-81A	1.375 1.000		2.363	7.438	2.500	2.725
40DXX	-40-XX	-83A	1.625 1.250		2.770	7.688	2.500	2.725
40EXX	-40-XX	-85A	1.840 1.437		3.020	7.750	2.500	2.725
40FXX	-40-XX	-134A	.750 .500	2.500-16UN	1.551	7.000	2.500	2.725
44AXX	-44-XX	-87A	1.250 .875	2.750-16UN	2.113	7.312	2.750	2.975
44BXX	-44-XX	-89A	1.375 1.000		2.363	7.438	2.750	2.975
44DXX	-44-XX	-91A	1.625 1.250		2.770	7.688	2.750	2.975
44EXX	-44-XX	-93A	1.840 1.437		3.020	7.750	2.750	2.975
44FXX	-44-XX	-154A	.937 .625	2.750-16UN	1.770	7.062	2.750	2.975
48AXX	-48-XX	-95A	1.250 .875	3.000-16UN	2.113	7.312	3.000	3.225
48BXX	-48-XX	-97A	1.375 1.000		2.363	7.438	3.000	3.225
48DXX	-48-XX	-99A	1.625 1.250		2.770	7.688	3.000	3.225
MS3401D1 48EXX	MS3401D-48-XX	MS3437B-101A	1.840 1.437	3.000-16UN	3.020	7.750	3.000	3.225

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

MS3401(NAVY)

Procurement Specification
MIL-C-5015

SUPERSEDES:

PAGE 5 OF 6

FED. SUP CLASS
5935

User activities:

Review activities:

SUPERSESION 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

		<u>MS3401</u>	<u>DJ</u>		<u>18</u>	<u>A</u>	<u>11</u>	<u>P</u>	<u>Y</u>	
<u>Basic part number</u>	<u>Class</u> <u>DJ</u>	<u>Material designator</u> S - Stainless steel. Leave blank for aluminum alloy.	<u>Shell size</u>	<u>Designator for sealing range of MS3437 backshell</u>	<u>Insert arrangement</u>	<u>Contact designator</u>	<u>Alternate insert position W, X, Y, and Z - Leave blank for normal position.</u>			

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

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