

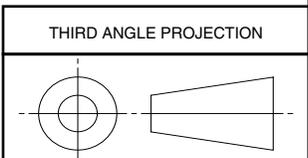
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CUSTODIAN: SAE AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-5015



AEROSPACE STANDARD

CONNECTORS, PLUG, ELECTRIC,
90° ASSEMBLY, CRIMP CONTACT, AN TYPE

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SHEET 1 OF 7

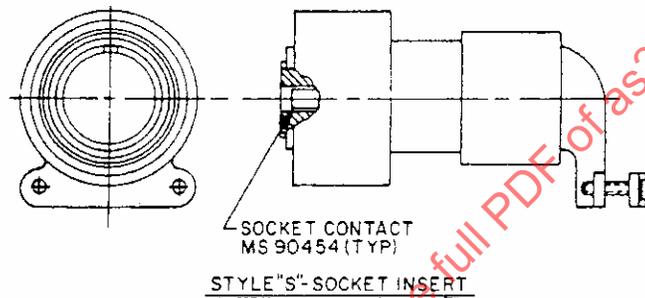
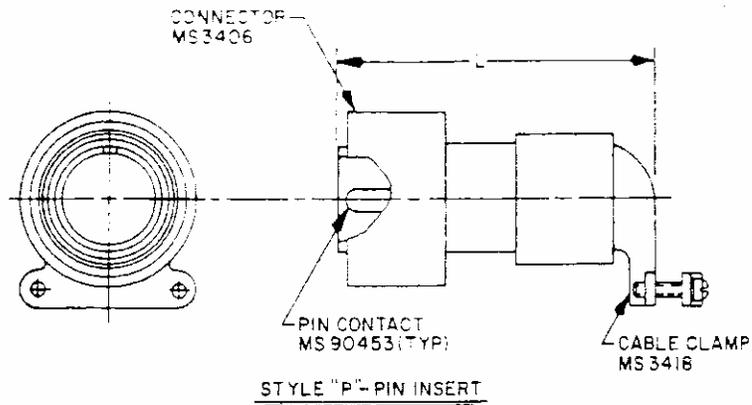
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Class D & L environment resistant

Class L inactive for design after 23 Mar 76

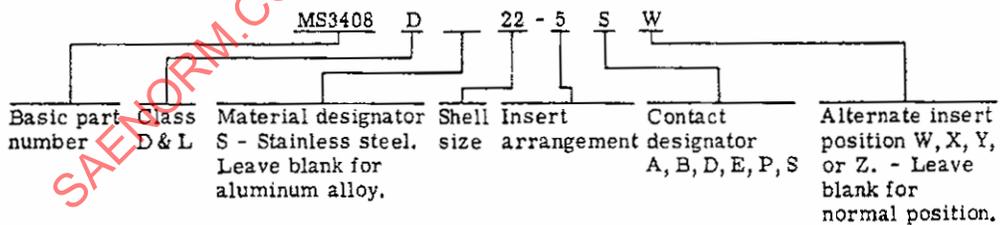
NOTES:

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 CONNECTORS ARE INTERMATEABLE WITH CORRESPONDING SOLDER CONTACT CONNECTORS.
5. UNLESS OTHERWISE SHOWN, CORRESPONDING FEATURES OF STYLE "S" AND "P" 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.

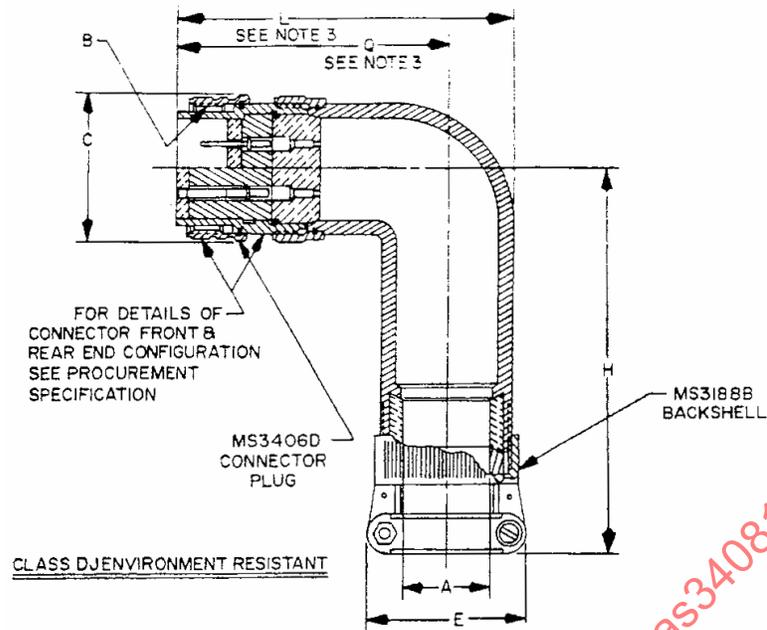
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SIZE	L - MAX	
	16 & 12 CONTACTS	8, 4 & 0 CONTACTS
8S	2.475	
10S	2.500	
10SL	2.555	
12S	2.555	
12	2.625	
14S	2.615	
14	2.685	
16S	2.695	
16	2.765	3.165
18	2.810	3.210
20	2.875	3.275
22	2.935	3.335
24	2.995	3.395
28	3.160	3.560
32	3.250	3.650
36	3.375	3.775
40	3.510	3.910
44	3.635	4.035
48	3.760	4.160

EXAMPLE OF PART NO.: MS3408D 22-5S W



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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 ± 0.016 .
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. 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 PLUG NO.	BACKSHELL ASSEMBLY NO.	A		B	C	E	H	L	Q			
			MAX.	MIN.									
MS34060J	10AXX	MS34060	-10S-XX	MS3108B	-04A	.312	.125	.625-24UNEF	.969	.957	3.125	3.000	2.500
	10BXX		-10S-XX		-49A	.437	.250				1.145	3.125	3.250
	10DXX		-10S-XX		-05A	.375	.250				1.145	2.500	3.062
	10AXX		-10SL-XX		-09A	.312	.125				.957	3.125	3.000
	10BXX		-10SL-XX		-49A	.437	.250				1.145	3.125	3.812
	10DXX		-10SL-XX		-05A	.375	.250	.625-24UNEF	.969	1.145	2.500	3.062	2.500
	13AXX		-12S-XX		-06A	.312	.125	.750-20UNEF	1.062	.957	3.125	3.000	2.500
	13BXX		-12S-XX		-71A	.625	.350				1.332	3.125	4.188
	13DXX		-12S-XX		-08A	.500	.350				1.332	2.500	3.188
	13EXX		-12S-XX		-07A	.437	.250				1.145	3.125	3.062
	12AXX		-12-XX		-06A	.312	.125				.957	3.125	3.000
	12BXX		-12-XX		-71A	.625	.350				1.332	3.312	4.188
	12DXX		-12-XX		-08A	.500	.350				1.332	2.500	3.188
	12EXX		-12-XX		-07A	.437	.250	.750-20UNEF	1.062	1.145	3.125	3.062	2.500
	15AXX		-14S-XX		-09A	.437	.250	.875-20UNEF	1.156	1.145	3.188	3.188	2.688
	15BXX		-14S-XX		-50A	.750	.500				1.551	3.500	4.375
	15DXX		-14S-XX		-10A	.575	.350				1.332	2.312	3.250
	15EXX		-14S-XX		-70A	.312	.125				.957	3.188	3.125
	14AXX		-14-XX		-09A	.437	.250				1.145	3.188	3.188
	14BXX		-14-XX		-50A	.750	.500				1.551	3.500	4.375
	14DXX		-14-XX		-10A	.575	.350				1.332	2.812	3.250
	14EXX		-14-XX		-74A	.312	.125	.875-20UNEF	1.156	.957	3.188	3.125	2.625
	17AXX		-16S-XX		-12A	.700	.500	1.000-20UNEF	1.250	1.551	2.938	3.562	2.812
	17BXX		-16S-XX		-51A	.937	.625				1.770	3.688	4.688
	17DXX		-16S-XX		-11A	.437	.250				1.145	3.312	3.375
	17EXX		-16S-XX		-40A	.625	.350				1.332	3.312	3.438
	16AXX		-16-XX		-12A	.700	.500				1.551	2.938	3.562
	16BXX		-16-XX		-51A	.937	.625				1.770	3.688	4.688
	16DXX		-16-XX		-11A	.437	.250				1.145	3.312	3.375
	16EXX		-16-XX		-40A	.625	.350	1.000-20UNEF	1.250	1.332	3.312	3.438	
	18AXX		-18-XX		-13A	.625	.350	1.125-18UNEF	1.340	1.332	3.438	3.625	
	18BXX		-18-XX		-52A	.750	.500				1.551	3.500	3.625
	18DXX		-18-XX		-41A	.312	.125				.957	3.438	3.625
	18EXX		-18-XX		-42A	.437	.250	.125-18UNEF	1.340	1.145	3.438	3.625	
	20AXX		-20-XX		-15A	.625	.350	1.250-18UNEF	1.469	1.332	3.438	3.625	
	20BXX		-20-XX		-54A	.750	.500				1.551	3.500	3.625
	20EAXX		-20-XX		-55A	1.250	.875				2.113	4.062	4.938
	20FXX		-20-XX		-43A	.437	.250				1.145	3.438	3.625
	20GXX		-20-XX		-16A	.900	.625	1.250-18UNEF	1.469	1.770	3.250	3.750	
	22AXX		-22-XX		-56A	.625	.350	1.375-18UNEF	1.594	1.332	3.562	3.875	
	22BXX		-22-XX		-17A	.750	.500				1.551	3.625	3.875
	22DXX		-22-XX		-57A	.937	.625				1.770	3.688	3.938
	22FXX		-22-XX		-58A	1.250	.875				2.113	4.062	4.938
MS34080	22FXX	MS34067	-22-XX	MS3188B	-44A	.312	.125	1.375-18UNEF	1.594	.957	3.562	3.875	3.000

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