

**CLASSES L, U, AND W ENVIRONMENT RESISTANT
INTERFACE ONLY**

CLASS K CANCELLED AFTER 9 MARCH 1972.

CLASS U INACTIVE FOR NEW DESIGN AFTER 23 MARCH 1976.

① USE CLASS L OR W FOR NEW DESIGN.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCE IS $\pm .016$.
- ① 3. DIMENSIONS AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5M - 1982.
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.
- ① 7. THE INSULATION MATERIAL SHALL BE ABOVE, FLUSH WITH, OR NO MORE THAN .015 INCH BELOW THE METAL SHELL AND ALL CONTACTS SHALL BE RECESSED BELOW THE INSULATION MATERIAL.
- ① 8. TOOLS USED FOR INSERTING AND REMOVAL OF CONTACTS SHALL BE AS SPECIFIED IN MIL-C-5015.
9. FOR DESIGN FEATURE PURPOSES, THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER ACQUISITION DOCUMENTS REFERENCED HEREIN.
10. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS.
- ① 11. MANUFACTURERS MAY SUPPLY MS3452 REVISION C CONNECTORS UNTIL 1 SEPTEMBER 1994 OR EXHAUST THEIR INVENTORIES WHICHEVER COMES FIRST.

① DENOTES CHANGES

PREPARING ACTIVITY: NAVY - AS
CUSTODIANS: ARMY - CR
AIR FORCE - 85
NASA - NA
REVIEW: NAVY - EC
ARMY - AT, ME, MI, AR
AF - 11, 80, 99
USER:
PROJECT NUMBER 5935-3561

MILITARY SPECIFICATION SHEET
TITLE: CONNECTOR, RECEPTACLE,
ELECTRIC, BOX MOUNTING,
REAR RELEASE, CRIMP
CONTACT, AN TYPE WITH

SPECIFICATION SHEET NUMBER 15 FEB 1993

MS3452 REV D

SUPERSEDING
MS3452C 23 MAR 76

AMSC- N/A FSC 5935

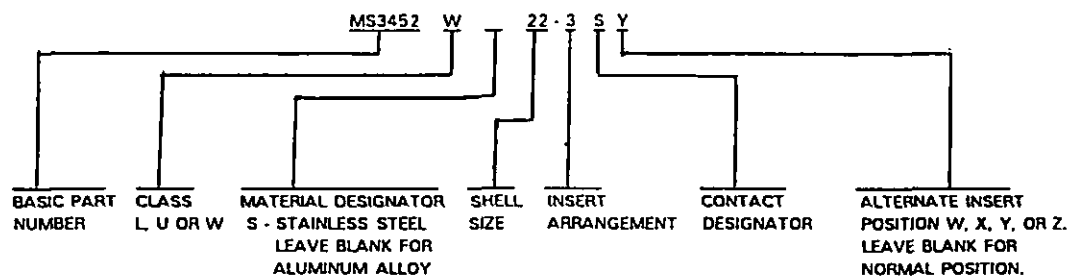
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① TABLE I. SIZE AND DIMENSIONS.

SIZE	Ø GG ±0.16	K ±0.15	L MAX		M +.031 -.000	N +.000 -.082	O (REF) MTG HOLES	R C ₁ -C ₂	S ±.031	T +.010 -.005
			SIZE 16 AND 12 CONTACTS	SIZE 8, 4 AND 0 CONTACTS						
8S	.500	.083	1.662	X	.562	.532	.562	.594	.875	.120
10S	.625	.083	1.662		.562	.656	.688	.719	1.000	.120
10SL	.625	.083	1.662		.562	.656	.688	.719	1.000	.120
12S	.750	.083	1.662		.562	.782	.812	.812	1.094	.120
12	.750	.083	1.662		.750	.782	.812	.812	1.094	.120
14S	.875	.083	1.662		.562	.906	.938	.906	1.188	.120
14	.875	.083	1.662		.750	.906	.938	.906	1.188	.120
16S	1.000	.083	1.662		.562	1.032	1.062	.969	1.281	.120
16	1.000	.083	1.662	1.937	.750	1.032	1.062	.969	1.281	.120
18	1.062	.125	1.662	1.937	.750	1.156	1.188	1.062	1.375	.120
20	1.187	.125	1.662	1.937	.750	1.282	1.312	1.156	1.500	.120
22	1.312	.125	1.662	1.937	.750	1.406	1.438	1.250	1.625	.120
24	1.437	.125	1.662	1.937	.812	1.532	1.562	1.375	1.750	.147
28	1.750	.125	1.662	1.937	.812	1.782	1.812	1.562	2.000	.147
32	2.000	.125	1.662	1.937	.875	2.032	2.062	1.750	2.250	.173
36	2.250	.125	1.662	1.937	.875	2.282	2.312	1.938	2.500	.173
40	2.500	.125	1.662	1.937	.875	2.532	2.562	2.188	2.750	.173
44	2.750	.125	1.662	1.937	.875	2.782	2.812	2.375	3.000	.173
48	3.000	.125	1.662	1.937	.875	3.032	3.062	2.625	3.250	.173

EXAMPLE OF PART NUMBER: MS3452W 22-3SY



PREPARING ACTIVITY: NAVY - AS
CUSTODIANS: ARMY - CR
AIR FORCE - 85
NASA - NA
REVIEW: NAVY - EC
ARMY - AT, ME, MI, AR
AF - 11, 80, 99
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SPECIFICATION SHEET NUMBER 15 FEB 93

MS3452

REV D

SUPERSEDING
MS3452C

23 MAR 76

AMSC- N/A

FSC 5935

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THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST
OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN
THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-5015.

THIS SPECIFICATION IS APPROVED FOR USE
BY ALL DEPARTMENTS AND AGENCIES OF THE
DEPARTMENT OF DEFENSE.