INCH-POUND
MIL-C-24308C
AMENDMENT 2
30 June 1993
SUPERSEDING
AMENDMENT 1
26 January 1990

MILITARY SPECIFICATION

CONNECTORS, ELECTRIC, RECTANGULAR, NONENVIRONMENTAL, MINIATURE, POLARIZED SHELL, RACK AND PANEL, GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-C-24308C, dated 26 January 1989, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.2.1, delete and substitute:

"1.2.1 Classes. Connectors covered by this specification shall be of the following classes:

G - General purpose connectors, see 3.3.5.1 1/.

N - Nonmagnetic connectors, see 3.3.5.1 1/.

H - Hermetic connectors.

M - Same as N except see 2/.

D - Same as G except see 2/.

K - Same as H except see 2/."

Footnote 1/, delete and substitute:

"1/ Classes G and N, zinc-plated parts are not to be used on aerospace or missile applications in accordance with MIL-S-5002.

"2/ Classes D, K, and M are intended for space missions where high reliability is required."

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3.3.5.1, delete title and substitute:

"3.3.5.1 Finish (classes G and N) 3/."

Add the following footnote to the bottom of page:

"3/ Cadmium finished parts (F suffix PIN's) can be used interchangeably for non-F suffix parts."

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Add the following new paragraph and associated footnotes:

"3.8 Part or Identification Number (PIN). The PIN shall consist of the letter 'M', the basic number of the specification sheet, an assigned dash number (see 3.1), and as shown in the following example:

M	24308/1	-1	F
Military designation	Specification sheet number	Dash number	Finish

For class N:
F = Cadmium 4/.
P = Passivated stainless steel.
No suffix = Cadmium or zinc 4/ 5/.
For classes G and H:
F = Cadmium 4/.
No suffix = Cadmium or zinc 4/ 5/.
For classes D and K:
Class D and class K have a nickel finish, no suffix is required.
For class M:
Class M connectors have a gold finish, no suffix is required.

4/ F suffix PIN's are to be used for cadmium finished parts after 1 July 1987.

5/ Zinc finish is inactive for new design effective as of the date of MIL-C-24308C."

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4.1.4, Change paragraph wording from "effective 12 months after the date of this document" to "effective 30 months after the date of this document."

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* 6.6, delete in its entirety (including associated footnotes) and substitute the following:

"6.6 Steps in selecting MIL-C-24308 type connector - PIN's.

Step 1. Determine the desired connector features.

A. Use Class (G, D, M, N, H, K, or G-PCB mount).

B. Termination type (harness solder, harness crimp, flat cable IDC, PC board solder).

C. Size of contacts and contact density (#20 or #22).

D. Contact gender (pin or socket).

E. Number of contacts (9, 15, 25, 26, 37, 44, 50, 62, 78, or 104).

F. Mounting method (no float, dual float, PC board vertical, PC board right angle).

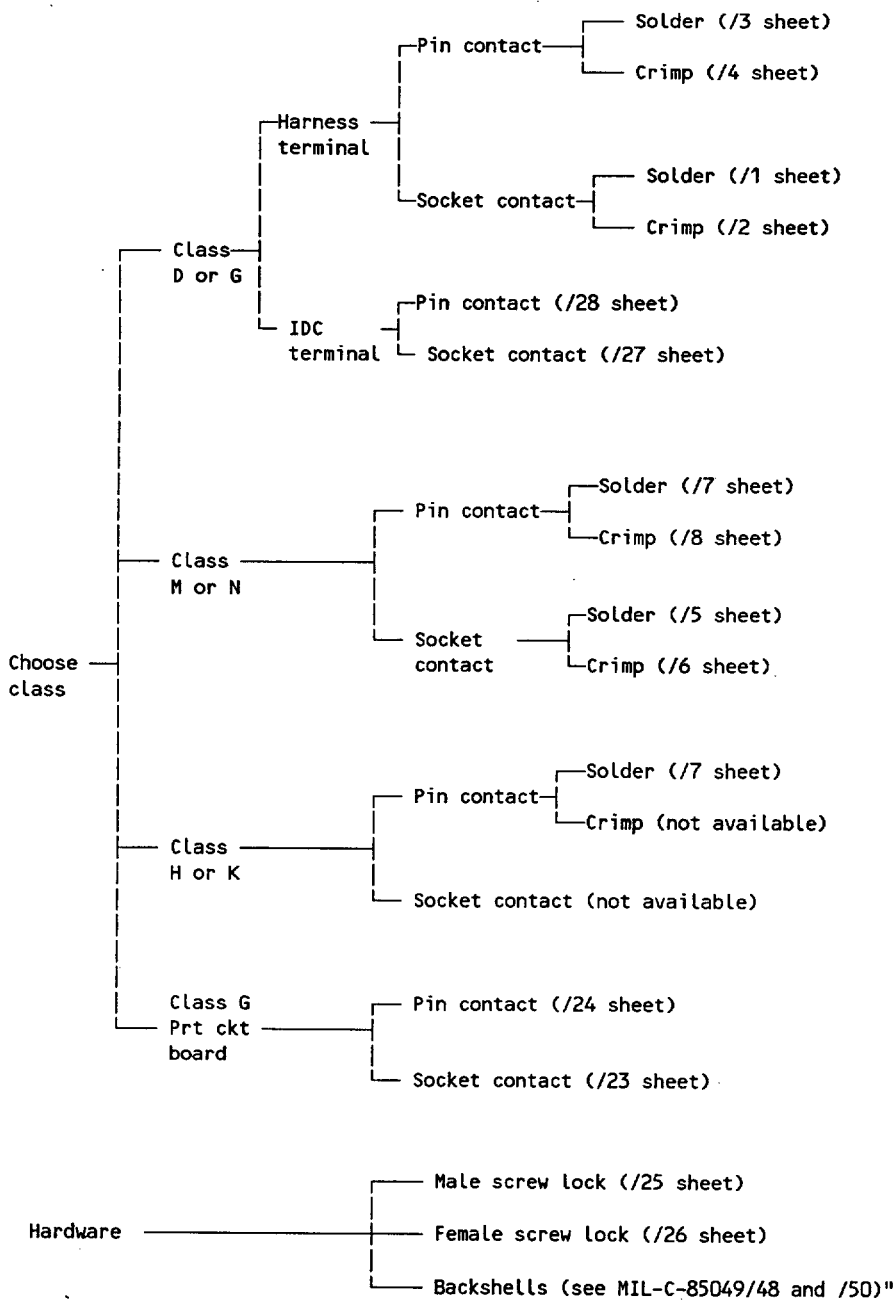
Step 2. Using chart 'A', select the appropriate specification sheet to be used.

Step 3. Using chart 'B', determine the appropriate Insert MS sheet, MS sheet dash number, and shell size for reference in the PIN selection.

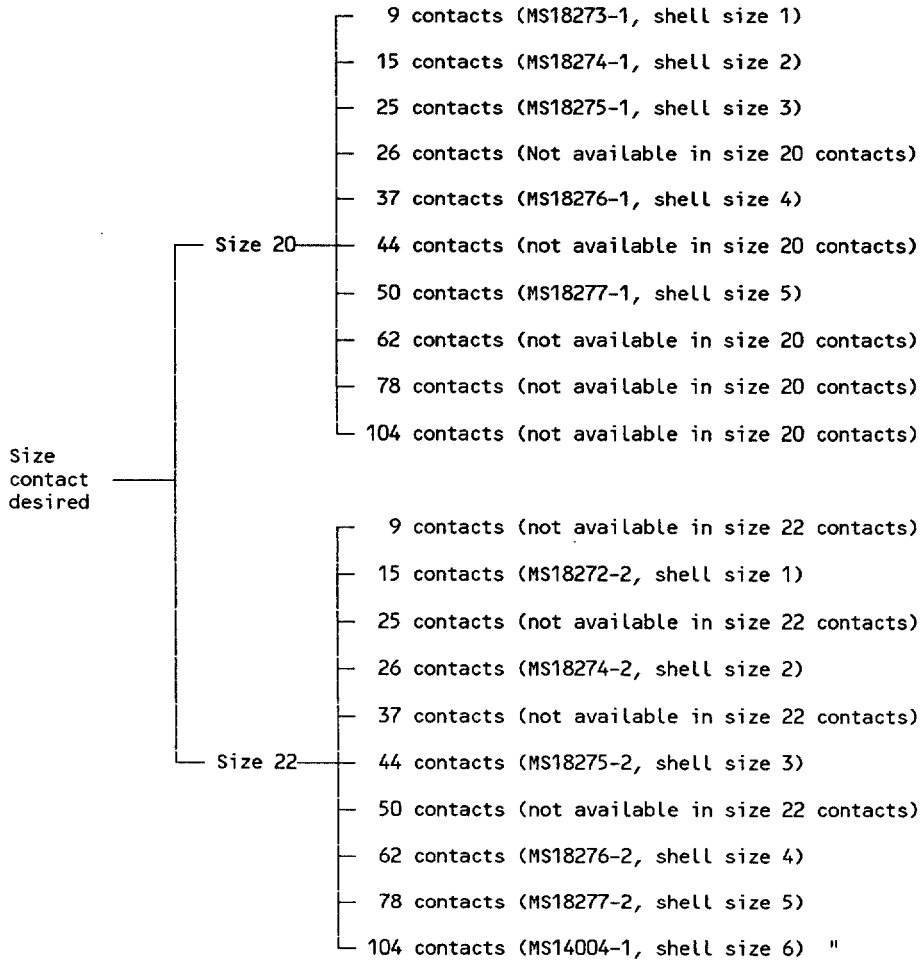
Step 4. Using chart 'C', determine the appropriate Shell MS sheet and MS sheet dash number for reference in the PIN selection.

Step 5. Using the shell size, Insert MS sheet number and dash number, and Shell MS sheet number and dash number, determined from steps #3 and #4 above, refer to the charts on the slash sheet selected in step #2 above and determine the appropriate slash sheet dash number (PIN) for the desired connector."

" Chart A Slash sheet selection

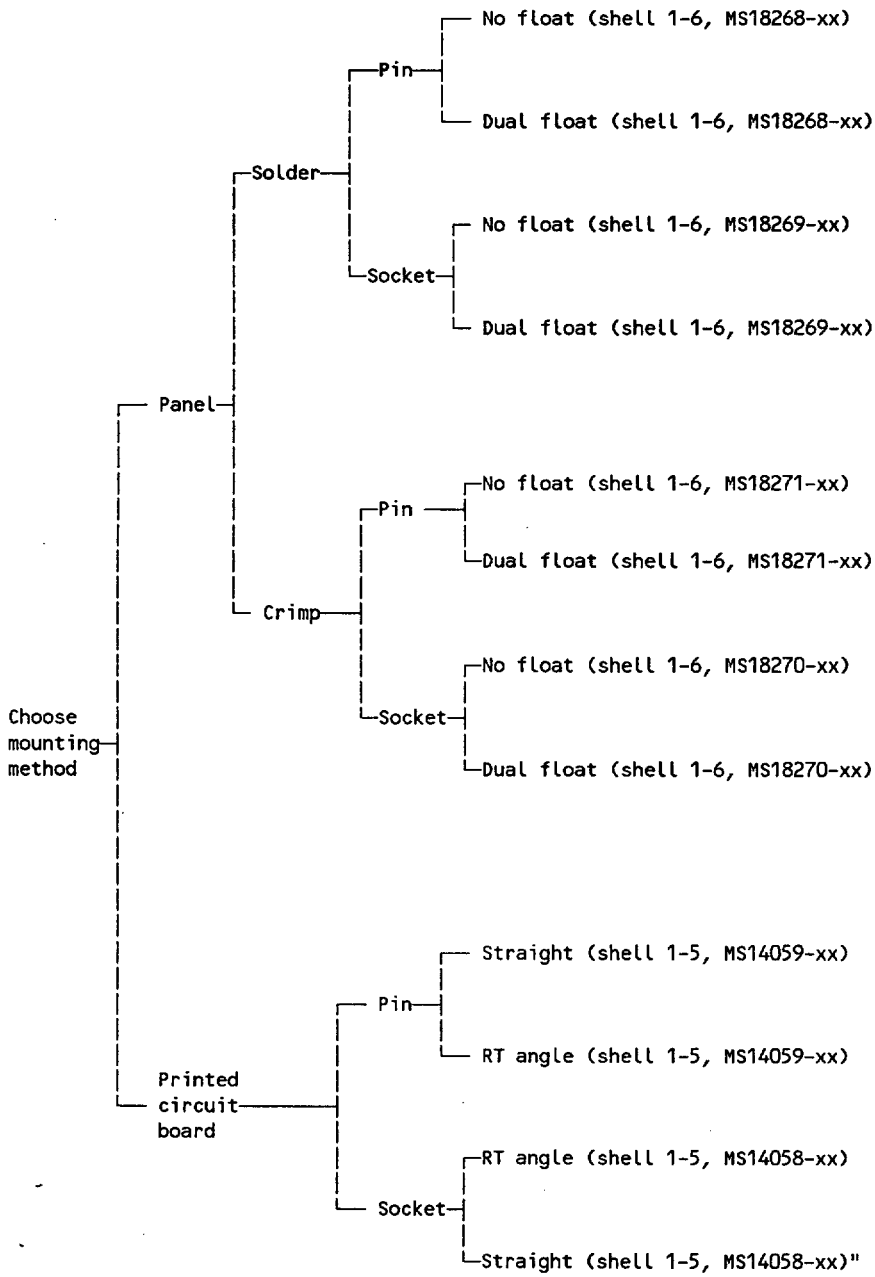


" Chart B Insert MS sheet information selection



"

" Chart C Shell MS sheet information selection



The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only, and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

CONCLUDING MATERIAL

Custodians:
Army - CR
Navy - EC
Air Force - 85
NASA - NA

Review activities:
Army - AR, AV, MI
Navy - AS
Air Force - 99
DLA - ES

User activities:
Army - AT, ME
Navy - CG, MC, OS

Preparing activity:
Navy - EC

Agent:
DLA - ES

(Project 5935-3944)