

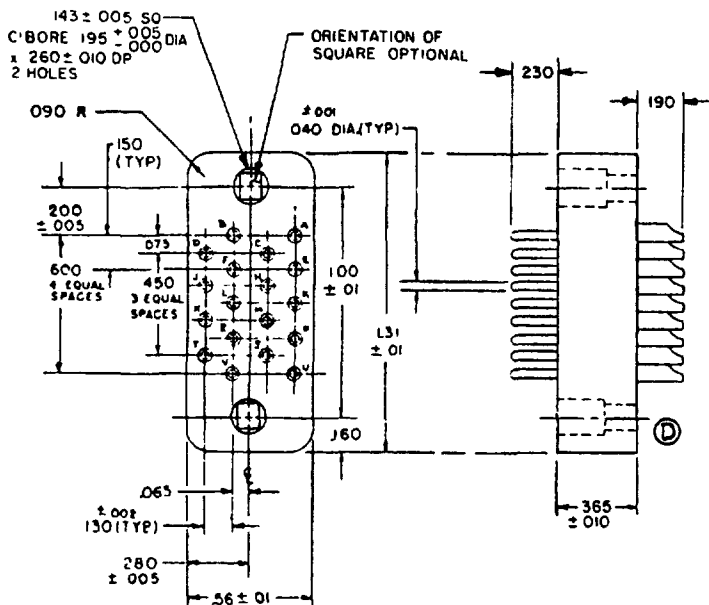
Army ME, AM, WC  
Navy MC, SH  
Air Force

User activities

Army MI, MU, AT  
Navy AS, OS  
Air Force II

Reviewer activities

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



| INCHES | MM    |
|--------|-------|
| .001   | .03   |
| .002   | .05   |
| .005   | .13   |
| .010   | .25   |
| .040   | 1.02  |
| .065   | 1.65  |
| .075   | 1.91  |
| .090   | 2.29  |
| .130   | 3.30  |
| .143   | 3.63  |
| .150   | 3.81  |
| .160   | 4.06  |
| .190   | 4.83  |
| .195   | 4.95  |
| .200   | 5.08  |
| .203   | 5.16  |
| .260   | 6.60  |
| .280   | 7.11  |
| .365   | 9.25  |
| .450   | 11.43 |
| .56    | 14.22 |
| .600   | 15.24 |
| 1.00   | 25.40 |
| 1.31   | 33.27 |

MS Part Number MS24012-1

INACTIVE FOR NEW DESIGN  
AFTER 6 DECEMBER 1971

## NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is  $\pm 0.15$  (.38 mm).
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
4. Tolerance between any two adjacent contact centers shall be  $\pm 0.004$  (.10 mm). Tolerance between any two contact centers, other than adjacent contacts, shall be  $\pm 0.006$  (.16 mm).
5. Contact identification may be located on either side of the contact hole but shall appear on the front and rear face of each insert.
6. For mating connector see connector, MS24011.
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 invitation for bid.
9. For shield for use with this connector, see MS24132.
10. Group A and B inspection is required in lieu of qualification.

|                                            |                           |                                                                                          |                   |
|--------------------------------------------|---------------------------|------------------------------------------------------------------------------------------|-------------------|
| P A NAVY-EC<br>Other Cust AF-80<br>ARMY-EL | International<br>interest | TITLE CONNECTOR, RECTANGULAR,<br>ELECTRICAL, RACK AND PANEL, 18, SIZE<br>20 PIN CONTACTS | MILITARY STANDARD |
|                                            |                           |                                                                                          | MS24012           |
| Procurement Specification<br>MIL-C-28748   |                           | SUPERSEDES:                                                                              | SHEET 1 OF 1      |

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
10 APR 64

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APPROVED 12 AUG 54 REVISED 6 Dec 1971