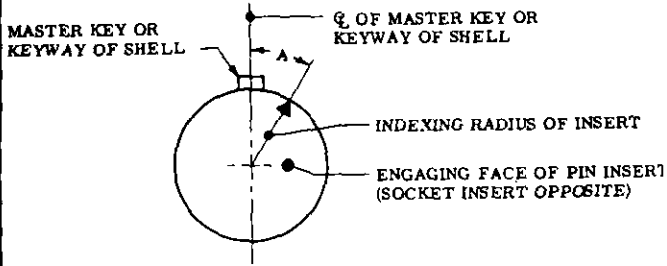


Review/user information is current as of the date of this document. For future coordination of changes to this document draft circulation should be based on the information in the current DODISS.

Users:  
ARMY - SH, OS, MC, CG  
NAVY - SH, OS, MC, CG  
AIR FORCE -

Reviewers:  
ARMY - AT, AV, ME, MI, MU  
NAVY - EC, EC  
AIR FORCE - 80

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



APPLICABLE CONNECTORS (REF)		
RECEPTACLES		PLUGS
MS3100	MS3402	MS3106
MS3101	MS3404	MS3107
MS3102	MS3412	MS3108
MS3103	MS3450	MS3406
MS3142	MS3451	MS3408
MS3143	MS3452	MS3456
MS3400	MS3454	MS3459
MS3401		MS25183

MIL-C-22992 CONNECTORS ALSO USE THESE INSERT ARRANGEMENTS.

NOTES:

- DIMENSIONS IN INCHES. DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH USASI Y14.5-1966(ANSI).
- DIMENSIONS LOCATING CONTACTS AND INSERTS ARE TRUE POSITION. FOLLOWING TOLERANCES APPLY TO INSERT INSTALLED IN SHELL:
  - (A) FOR CRIMP CONTACT CONNECTORS, CENTER OF EACH HOLE IN INSERT SHALL BE LOCATED AT TRUE POSITION WITHIN .014 DIA.  $\text{⊕.014 DIA.}$
  - (B) CENTER OF ENGAGING END OF EACH CONTACT SHALL BE LOCATED AT TRUE POSITION WITHIN .024 DIA.  $\text{⊕.024 DIA.}$
- DIMENSIONS AND MARKINGS SHOWN ARE FOR ENGAGING FACE OF PIN INSERT (SOCKET INSERT OPPOSITE).
- UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES.
- EACH INSERT ARRANGEMENT IS SHOWN IN ITS NORMAL POSITION IN THE SHELL.
- IN NORMAL POSITION, THE INDEXING RADIUS COINCIDES WITH Q OF THE MASTER KEY OR KEYWAY OF SHELL.
- IN ALTERNATE POSITIONS THE PIN INSERT IS ROTATED CLOCKWISE SO THAT ANGLE "A" BETWEEN THE INDEXING RADIUS AND THE Q OF THE MASTER KEY OR KEYWAY OF SHELL IS AS REQUIRED.
- IN ALTERNATE POSITIONS THE SOCKET INSERT IS ROTATED COUNTER-CLOCKWISE SO THAT ANGLE "A" BETWEEN THE INDEXING RADIUS AND THE Q OF THE MASTER KEY OR KEYWAY OF SHELL IS AS REQUIRED.
- CERTAIN INSERT ARRANGEMENTS OF THIS STANDARD, IDENTIFIED BY\*, #, AND †, ARE THE SUBJECT OF THE RELATED INTERNATIONAL STANDARDIZATION AGREEMENTS LISTED UNDER "INTERNATIONAL INTEREST". WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.
- INSERT ARRANGEMENTS SUBJECT TO INTERNATIONAL STANDARDIZATION AGREEMENTS ARE PREFERRED FOR USE.
- CONTACTS ARE DESIGNATED BY THE FOLLOWING SYMBOLS:

SIZE	SYMBOL
0	$\text{⊕}$
4	$\text{⊕}$
8	$\text{⊕}$
12	$\text{⊕}$
16	$\text{⊕}$
SHIELDED	$\text{⊕}$

**CANCELED  
AFTER  
26 APRIL 79 USE MIL-STD-1651**

THIS IS A DESIGN STANDARD. NOT TO BE USED AS A PART NUMBER. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

P.A. NAVY-AS Other Cus	INTL INTEREST * ASCC 12/14 # NEPR 28 † NEPR 44	TITLE <b>INSERT ARRANGEMENTS, MIL-C-5015 ELECTRIC CONNECTOR, SIZE 28</b>	MILITARY STANDARD <b>MS33688</b>
PROCUREMENT SPECIFICATION MIL-C-5015	SUPERSEDES AND10433	SHEET 1 OF 14	

DD FORM 1 SEP 57 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 17 DEC 58 REVISED (B) 26 June 1968 (C) 28 MAY 1971 (D) 7 MAR 74 (E) 25 APR 79