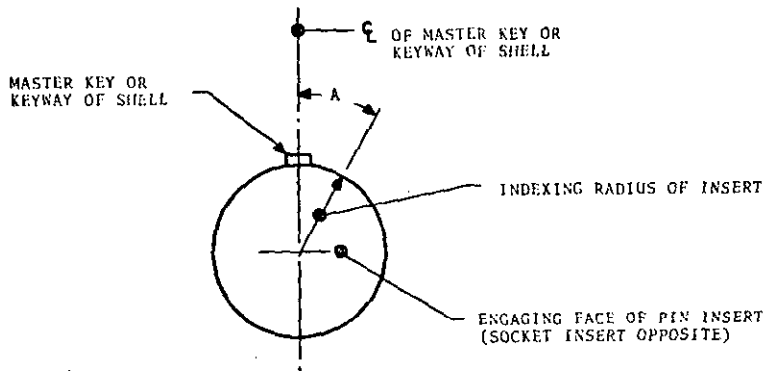


FED: SUP CLASS  
5 9 3 5



NOTES:

1. DIMENSIONS IN INCHES. DIMENSIONING IN ACCORDANCE WITH USASI Y14.5-1966.
2. 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.  $\pm .014$  DIA.
  - (B) CENTER OF ENGAGING END OF EACH CONTACT SHALL BE LOCATED AT TRUE POSITION WITHIN .024 DIA.  $\pm .024$  DIA.
3. DIMENSIONS AND MARKINGS SHOWN ARE FOR ENGAGING FACE OF PIN INSERT (SOCKET INSERT OPPOSITE).
4. UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES.
5. EACH INSERT ARRANGEMENT IS SHOWN IN ITS NORMAL POSITION IN THE SHELL.
6. IN NORMAL POSITION THE INDEXING RADIUS COINCIDES WITH  $\epsilon$  OF THE MASTER KEY OR KEYWAY OF SHELL.
7. IN ALTERNATE POSITIONS THE PIN INSERT IS ROTATED CLOCKWISE SO THAT ANGLE "A" BETWEEN THE INDEXING RADIUS AND THE  $\epsilon$  OF THE MASTER KEY OR KEYWAY OF SHELL IS AS REQUIRED.
8. IN ALTERNATE POSITIONS THE SOCKET INSERT IS ROTATED COUNTER-CLOCKWISE SO THAT ANGLE "A" BETWEEN THE INDEXING RADIUS AND THE  $\epsilon$  OF THE MASTER KEY OR KEYWAY OF SHELL IS AS REQUIRED.

**CANCELED AFTER 20 February 78**  
**USE MIL-STD-1669**

**(A) Denotes Changes**

THIS IS A DESIGN STANDARD. NOT TO BE USED AS A PART NUMBER.

APPROVED 26 MARCH 1969 REVISED (A) 20 Feb 78

P.A. AIR FORCE 85 Other Cust	TITLE INSERT ARRANGEMENTS MIL-C-83723 ELECTRIC CONNECTOR SIZE 16	MILITARY STANDARD	
		MS27729(USAF)	
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1	OF 1

DD FORM 672-1 (Limited coordination)

5935-F089-3

Custodian : AF 85  
Reviewers : AF 99

(A)

(A)

This has been approved by the AF LC/CO/E  
Department of the Air Force and is mandatory for use by  
their activity. All other military activities are required  
to employ this standard where suitable.