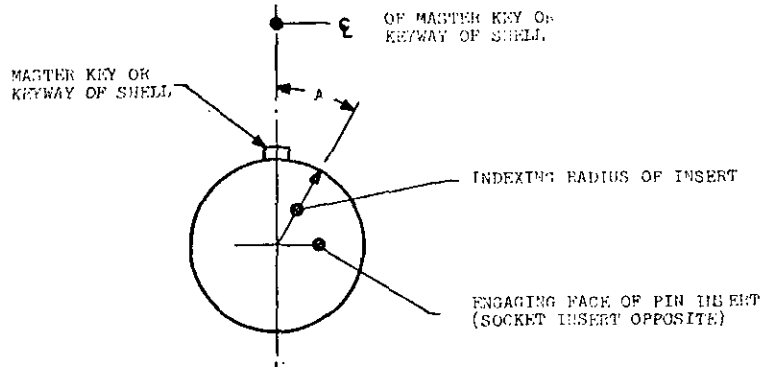


FED. SUP CLASS
5 9 3 5

NOTES:

1. DIMENSIONS IN INCHES. DIMENSIONING IN ACCORDANCE WITH USASI Y14.5-1974.
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. $\oplus .014$ DIA.
 - (B) CENTER OF ENGAGING END OF EACH CONTACT SHALL BE LOCATED AT TRUE POSITION WITHIN .024 DIA. $\oplus .024$ 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 E 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 E 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 E OF THE MASTER KEY OR KEYWAY OF SHELL IS AS REQUIRED.

CANCELED AFTER 20 February 78
USE MIL-STD-1669

Denotes Changes

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

P.A. AIR FORCE 85 Other Cust	TITLE INSERT ARRANGEMENTS MIL-C-83725 'ELECTRIC' CONNECTOR SIZE 20	MILITARY STANDARD MS27731 (USAF)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

Custodian: AF 85
 Reviewers: AF 99

APPROVED 26 MARCH 1969 REVISED (A) 20 Feb 78

Not approved by the AFIC/2012
 and is mandatory for use by
 military activities are required
 where suitable.