

NATIONAL AEROSPACE STANDARD

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., 1725 DE SALES STREET, N. W., WASHINGTON 6, D. C.

FED SUP CLASS
5935

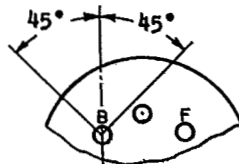
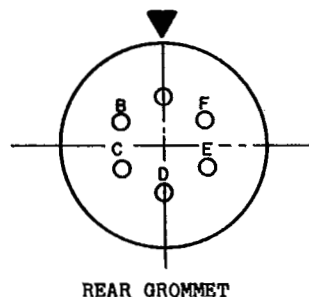
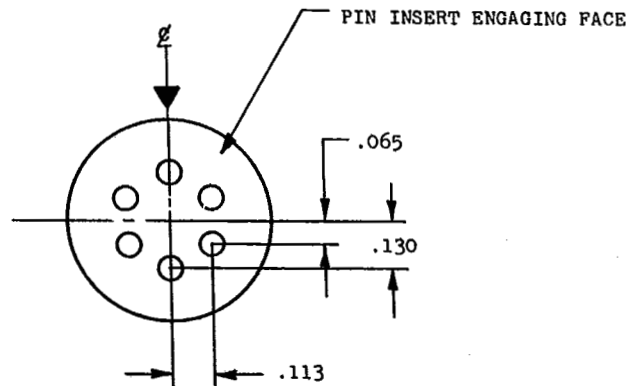
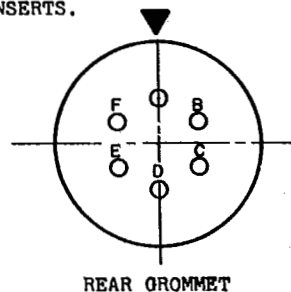
INSERT ARRANGEMENT: -6

CONTACTS: 6-SIZE 20

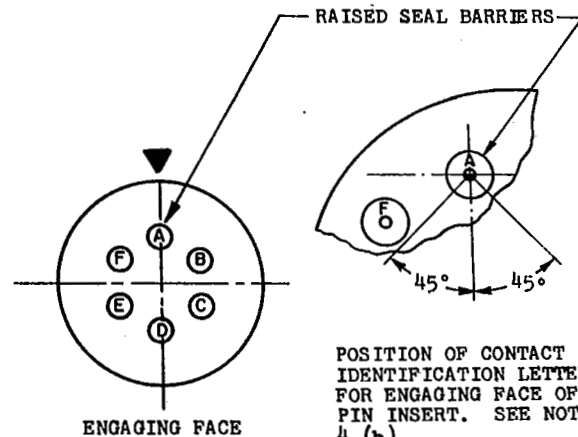
SHELL SIZE: 10

SERVICE RATING: I

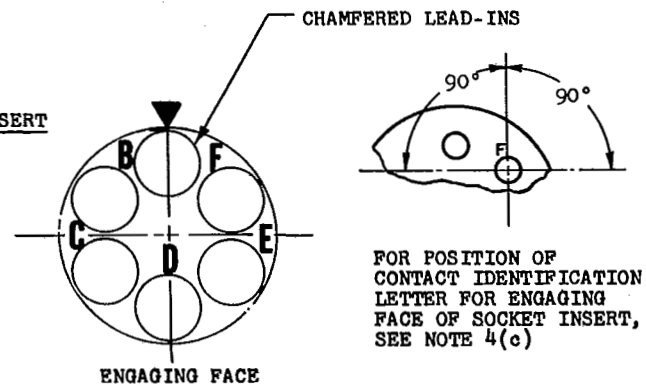
FOR USE IN CONNECTORS:

NAS1650
NAS1651
NAS1652
NAS1653POSITION OF CONTACT
IDENTIFICATION LETTER
FOR REAR GROMMET OF
PIN AND SOCKET INSERTS.
SEE NOTE 4 (a).

PIN INSERT



SOCKET INSERT

② INACTIVE FOR DESIGN AFTER JUNE 1980. NO SUPERSEDING
STANDARD. FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

FOR GENERAL NOTES SEE LAST SHEET

CUSTODIAN: NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT
SPECIFICATION

None

TITLE

INSERT ARRANGEMENT - ELECTRICAL CONNECTOR, SHELL SIZE 10

CLASSIFICATION

DESIGN STANDARD

NAS 1654

REVISION 1

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AIA AND ITS COMMITTEES WILL NOT INVESTIGATE THE APPLICABILITY OF PATENTS TO THE SUBJECT MATTER OF THIS STANDARD AND IN RESPECT THEREOF DO NOT ASSUME ANY LIABILITY TO PATENT OWNERS OR TO PROSPECTIVE USERS.

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BE USED FOR THE DESIGN OF THE PRODUCT FOR THE LAST DATE OF APPROVAL SHOWN HEREIN.

- NOTES: 1. THE SYMBOL ▼ INDICATES LOCATION OF INSERT VERTICAL $\varnothing$.
2. DIMENSIONS SHOWN ARE FOR FRONT FACE OF PIN INSERT (SOCKET INSERT OPPOSITE). UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETERICAL ABOUT CENTERLINE.
3. TOLERANCES: DECIMALS $\pm .002$, ANGLES $\pm 1/2^\circ$.
4. CONTACT IDENTIFICATION:
- (a) CONTACT IDENTIFICATION LETTERS ON REAR GROMMET FACE OF SOCKET AND PIN INSERT SHALL BE WITHIN 45° EITHER SIDE OF VERTICAL CENTERLINE ABOVE THE CONTACT CAVITY.
- (b) LETTERS ON THE ENGAGING FACE OF THE PIN INSERT SHALL BE ON THE RAISED SEAL BARRIER ABOVE OR ELONGATED BESIDE THE PIN CONTACT CAVITY. LETTERS SHALL NOT EXTEND INTO THE LOWER SECTOR OF THE RAISED SEAL BARRIER WHICH EXTENDS 45° EITHER SIDE OF THE VERTICAL $\varnothing$.
- (c) LETTERS SHALL BE PLACED ON SOCKET INSERT ENGAGING FACE AS SHOWN. THE LETTERS SHALL BE ABOVE THE HORIZONTAL CENTERLINE OF THE CHAMFERED LEAD-INS.
5. FOR PART NUMBER EXAMPLES, SEE CONNECTOR DRAWINGS.
6. FOR AVAILABLE ALTERNATE POLARIZING POSITIONS, SEE CONNECTOR DRAWINGS.

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CUSTODIAN: NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT
SPECIFICATION

TITLE
INSERT ARRANGEMENTS - ELECTRICAL CONNECTOR
SHELL SIZE 10

CLASSIFICATION
DESIGN STANDARD

Documents
AIA NAS 1654
SHEET 2
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