

NATIONAL AEROSPACE STANDARD

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

INSERT ARRANGEMENT: -32

CONTACTS: 32-SIZE 20

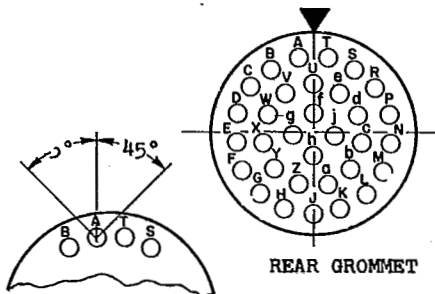
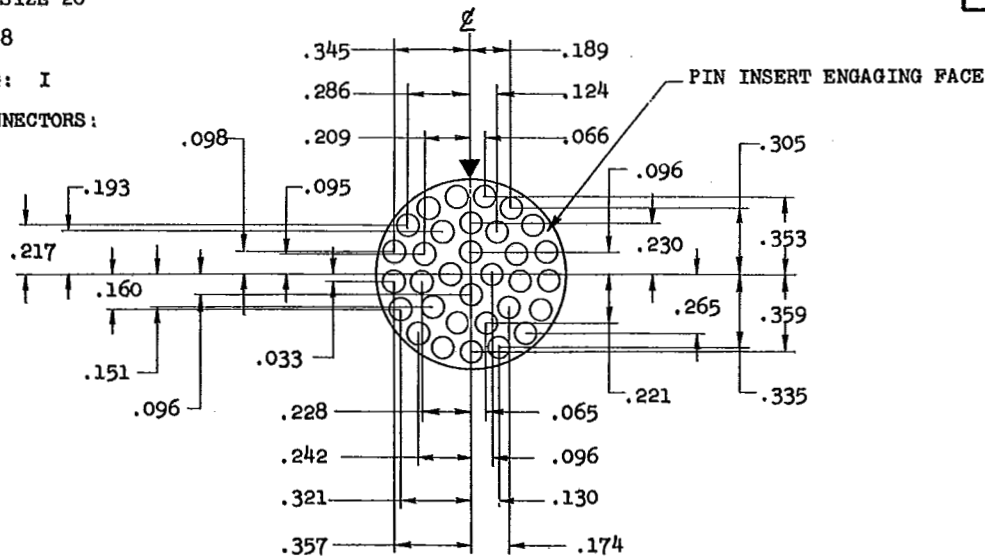
SHELL SIZE: 18

SERVICE RATING: I

FOR USE IN CONNECTORS:

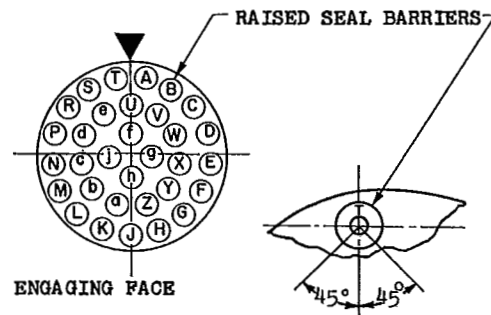
NAS1650
NAS1651
NAS1652
NAS1653

FED SUP CLASS
5935

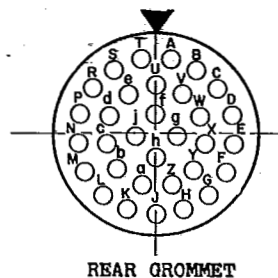


POSITION OF CONTACT IDENTIFICATION LETTER FOR REAR GROMMET OF PIN AND SOCKET INSERTS. SEE NOTE 4 (a).

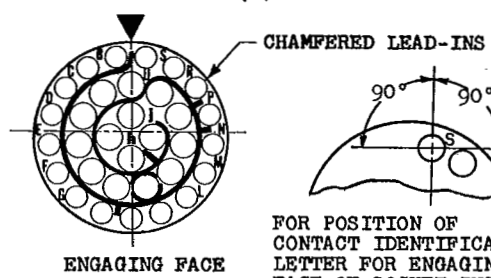
PIN INSERT



POSITION OF CONTACT IDENTIFICATION LETTER FOR ENGAGING FACE OF PIN INSERT. SEE NOTE 4 (b).



SOCKET INSERT



FOR POSITION OF CONTACT IDENTIFICATION LETTER FOR ENGAGING FACE OF SOCKET INSERT, SEE NOTE 4 (c).

FOR GENERAL NOTES SEE LAST SHEET

LIST OF ACTIVE SHEETS	
SHEET	REVISION
1	1
2	1

CUSTODIAN: NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT SPECIFICATION

TITLE

INSERT ARRANGEMENT, ELECTRICAL CONNECTOR, SHELL SIZE 18

CLASSIFICATION
DESIGN STANDARD

NAS 1658

SHEET 1 OF 2

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THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST DATE OF APPROVAL SHOWN HEREON.

- 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 SYMMETTERICAL 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 AND A SPIRAL LINE 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.

①

Inactive For Design
After 29 Dec. 1981
See Mil-Std. 1669 Sec. 60

CUSTODIAN: NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT
SPECIFICATIONTITLE
INSERT ARRANGEMENTS - ELECTRICAL CONNECTOR
SHELL SIZE 18CLASSIFICATION
DESIGN STANDARDNAS 1658
SHEET 2

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