

NATIONAL AEROSPACE STANDARD

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

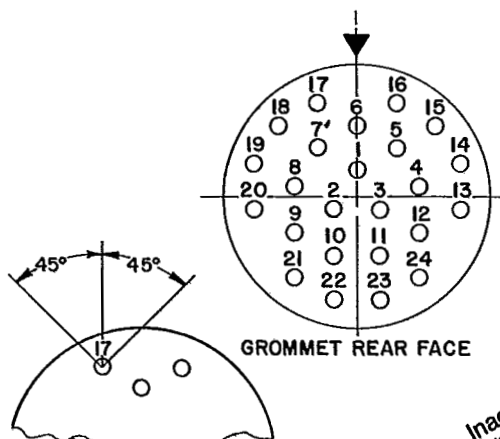
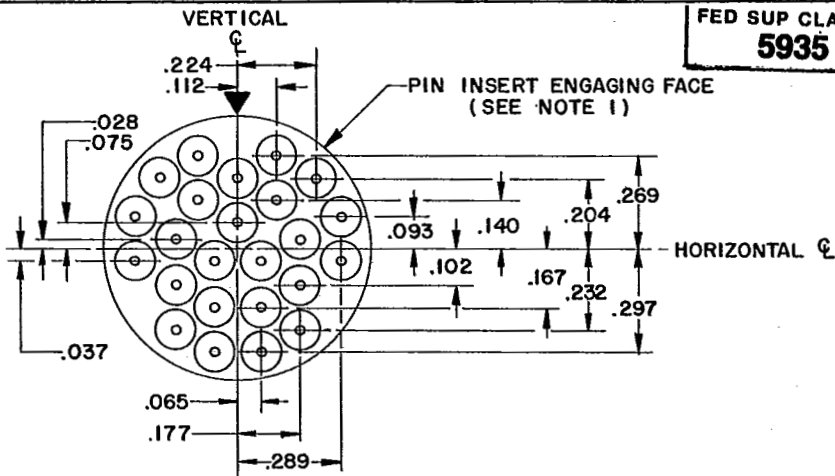
FED SUP CLASS
5935

INSERT ARRANGEMENT: -24

CONTACTS: 24 SIZE 20

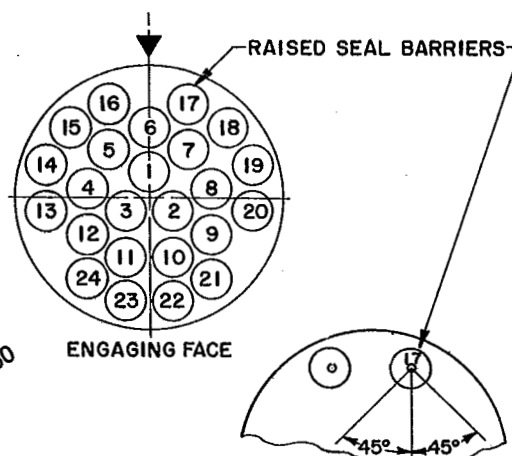
SHELL SIZE: 16

SERVICE RATING 1

FOR USE IN CONNECTORS: NAS 1641
NAS 1642
NAS 1643

POSITION OF CONTACT IDENTIFICATION NUMBER FOR REAR GROMMET OF PIN AND SOCKET INSERTS. SEE NOTE 3(a).

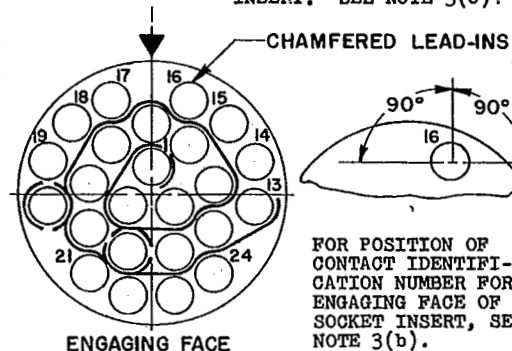
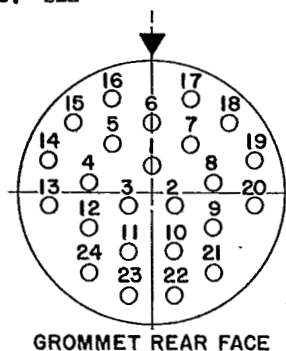
PIN INSERT



POSITION OF CONTACT IDENTIFICATION NUMBER FOR ENGAGING FACE OF PIN INSERT. SEE NOTE 3(c).

Inactive For Design
After 29 Dec. 1981
See Mil-Std. 1554 Sec. 50

SOCKET INSERT



FOR POSITION OF CONTACT IDENTIFICATION NUMBER FOR ENGAGING FACE OF SOCKET INSERT, SEE NOTE 3(b).

LIST OF ACTIVE SHEETS

SHEET	REVISION	SHEET	REVISION
1	1	2	1

CUSTODIAN: NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT
SPECIFICATION

TITLE

INSERT ARRANGEMENTS
ELECTRICAL CONNECTOR, SHELL SIZE 16CLASSIFICATION
DESIGN STANDARD

NAS 1647

SHEET 1 OF 2

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APPROVAL DATE May 1964 REVISION 1 29 Dec. 1981

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

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PROCUREMENT
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ELECTRICAL CONNECTOR, SHELL SIZE 16

CLASSIFICATION
DESIGN STANDARD

NAS 1647

SHEET 2

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