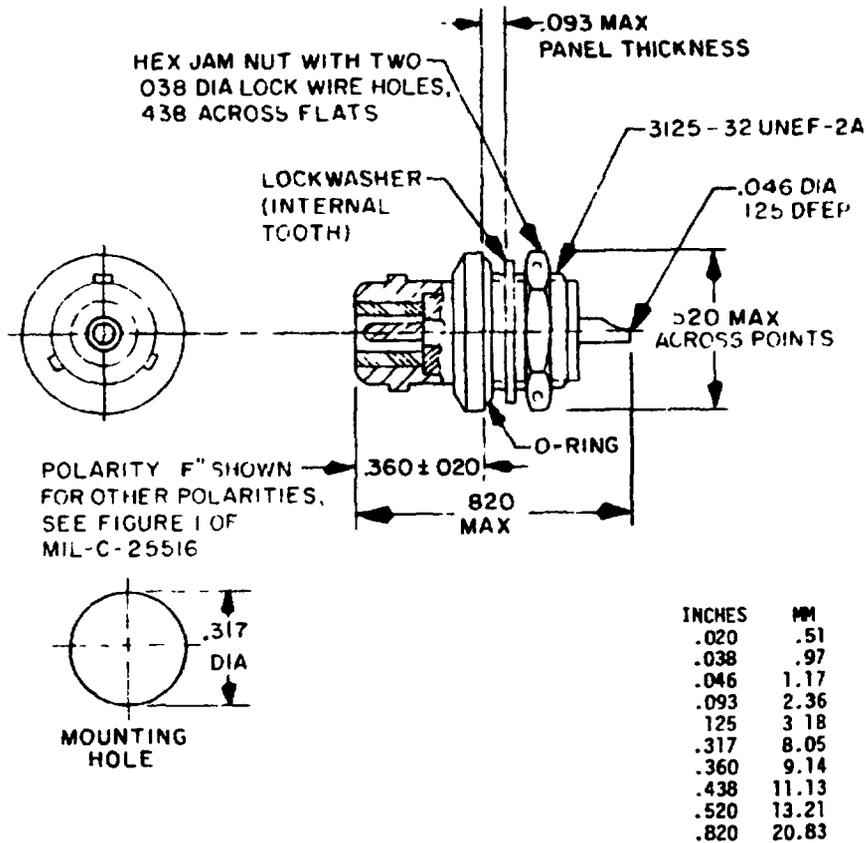


MILITARY SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MINIATURE, COAXIAL, ENVIRONMENT RESISTANT TYPE,
 COAXIAL PRESSURIZED RECEPTACLE, SERIES IV, CLASS G, TYPE 4

This specification is approved for use by all Departments
 and Agencies of the Department of Defense.

The complete requirements for procuring connectors described herein shall
 consist of this document and the issue in effect of MIL-C-25516.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Unless otherwise specified, tolerance is ±.010 (.25 mm).
4. Mating dimensions shall be in accordance with MIL-C-25516.
5. The maximum envelope dimensions are .820 and .520.

FIGURE 1 Connector, electrical plug

MIL-C-25516/16C

REQUIREMENTS.

Dimensions and configuration See figure 1.

Environmental and Mechanical.

- Visual and mechanical inspection Applicable.
- Contact engaging and separating forces Applicable.
- Resistance to test probe damage Applicable.
- Contact retention Applicable.
- Durability Applicable.
- Cable retention force Not applicable.
- Side load Not applicable.
- Hermetic sealing Not applicable
- Thermal shock Applicable
- Shock Applicable
- Vibration Applicable
- High temperature Not applicable
- Fuel immersion Applicable
- Altitude humidity cycling Applicable.
- Ozone exposure Applicable.
- Corrosion resistance. Applicable.
- Sulphide immersion Applicable
- Maintenance aging Applicable

Electrical

- Insulation resistance Applicable
- Dielectric withstanding voltage Applicable
- Contact resistance Applicable.
- Low signal level contact resistance Not applicable.
- Shield clamp resistance Not applicable.

Part number M25516/16- (dash number from table I) 1/.

Table I. Dash number and polarity. 2/

Dash number	Polarity
-03	E
-04	F
-05	J
-06	K
-07	L
-08	M

1/ Dash numbers -01 (configuration A), -02 (configuration B), -09 (configuration N) and -10 (configuration O) per figure 1 of the basic are cancelled.

2/ Inactive for new design for Naval Air Systems Command.

NOTE Letters are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians
Navy - EC
Air Force - 85

Preparing activity
Air Force - 85
(Project 5935-3076-2)

Review activities
Navy - AS
Air Force - 99
DLA - ES

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DOCUMENT IDENTIFIER (Number) AND TITLE

MIL-C-25516/16C, 19 May 1980

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