

INCH-POUND
MIL-DTL-12520/11B
31 March 2005
SUPERSEDING
MIL-C-12520/11A (EL)
5 November 1965

DETAIL SPECIFICATION SHEET
CONNECTORS, RECEPTACLE, ELECTRICAL WATERPROOF
(SHELL SIZE 26, FEMALE INSERTS)

Inactive for new design after 24 June 1999.

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

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-12520.

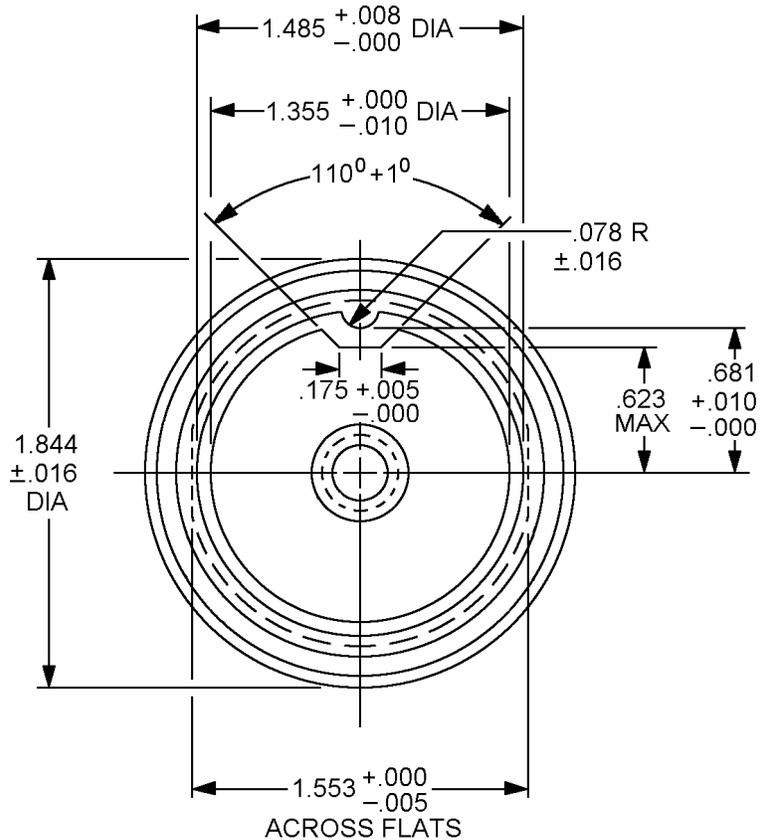
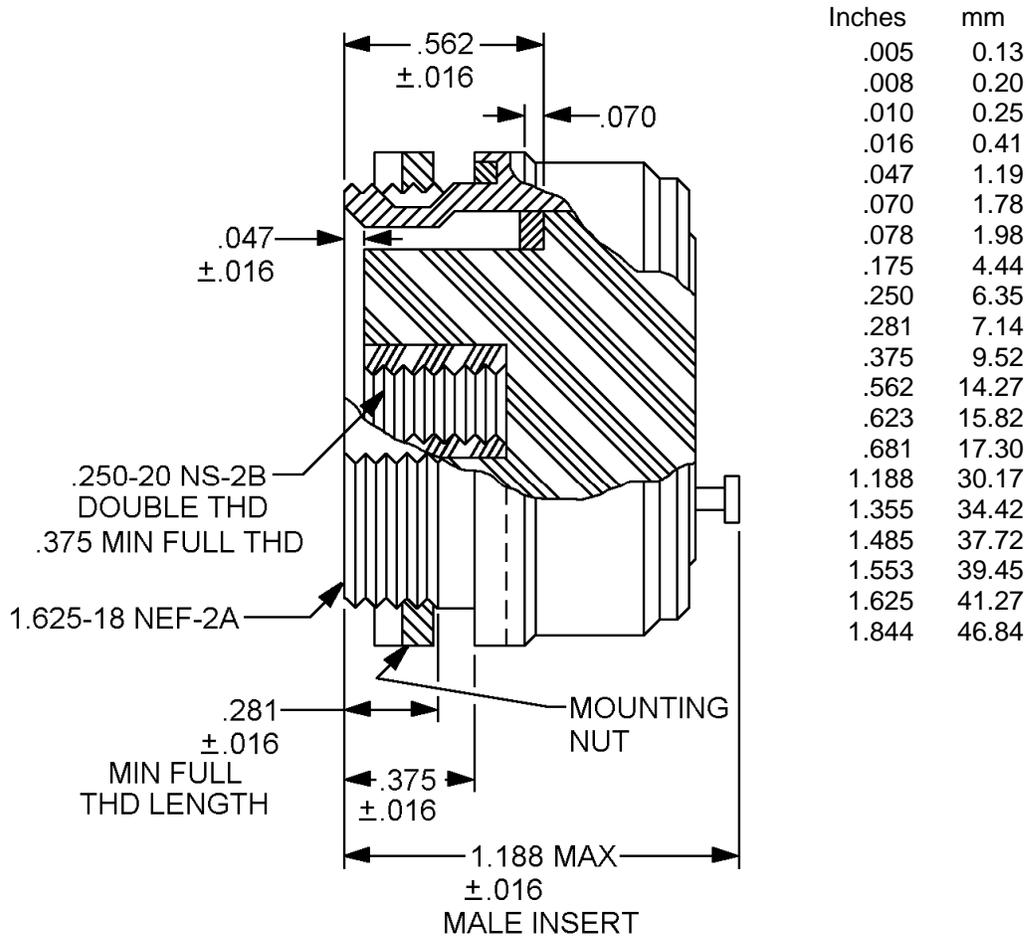


FIGURE 1. Receptacle shell and insert dimensions.

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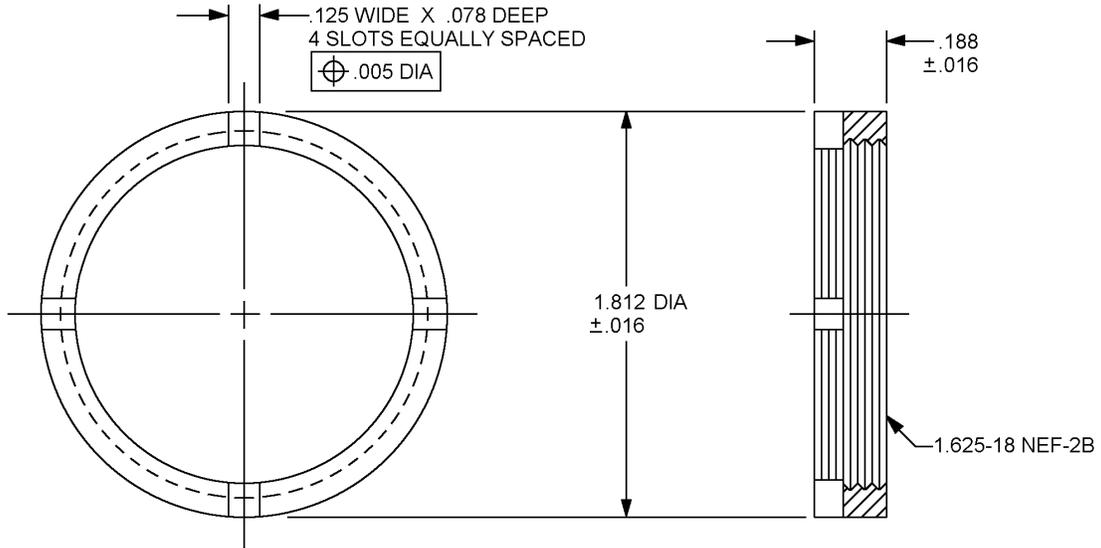


NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are $\pm .005$ (0.13 mm).

FIGURE 1. Receptacle shell and insert dimensions – Continued.

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Inches	mm
.005	0.13
.016	0.41
.078	1.98
.125	3.17
.188	4.77
1.625	41.27
1.812	46.02

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± .006 (0.13 mm).

FIGURE 2. Mounting nut dimensions.

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REQUIREMENTS

Connectors covered by this specification shall have the electrical ratings specified in table I.

TABLE I. Electrical ratings.

Connector type	Limiting operating voltage (sea level)		Nominal current
	AC	DC	Amperes
UW2026FC00	900	1,250	22
UW2026FD00	500	700	22
UW2026FE00	500	700	11
UW2026FF00	500	700	11
UW2026FG00	900	1,250	73

Dimensions and configurations: See figures 1 and 2.

Design and construction: Connectors shall be of the design, construction, and physical dimensions specified on figure 1.

Mounting nut: The mounting nut shall be as specified on figure 2. Material shall be brass conforming to ASTM-B36 and ASTM-B121, and shall be cadmium plated in accordance with class 1, type II, of SAE-AMS-QQ-P-416. The resulting finish shall be olive drab in color.

Voltage drop: Voltage drop not to exceed 21 millivolts for insert-arrangements C and D, 20 millivolts for insert-arrangement E and F and 12 millivolts for insert-arrangement G. The test current of 20 amperes DC for insert-arrangements C and D, 10 amperes for insert-arrangements E and F, and 60 amperes for insert-arrangement G.

This receptacle connector mates with MIL-C-12520/18.

Dielectric withstanding voltage: Test in accordance with MIL-DTL-12520 except that the connectors with insert-arrangements C and G are subjected to a test potential of 2,800 V rms. Connectors with insert-arrangements D, E, and F shall be subject to a test potential of 2,800 V.

Cover and chain assemblies: Cover and chain assemblies are in accordance with style 3X in MIL-C-12520/12.

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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Reference documents. In addition to MIL-DTL-12520, this document references the following:

ASTM-B36
ASTM-B121
MIL-C-12520/12
MIL-C-12520/18
SAE-AMS-QQ-P-416

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - AS
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-4726-004)

Review activities:

Navy - MC
Air Force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.