

MILITARY SPECIFICATION

**CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES HN,
TYPE UG-61E/U**

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force.

**INACTIVE FOR NEW DESIGN.
NO SUPERSEDING DOCUMENT.**

1. SCOPE

1.1 Scope. This specification covers the detail requirements for type UG-61E/U, series HN, electrical receptacle connector.

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein.

REB10036 — Washer.

REB10054 — Mounting Plate.

REB10065 — Clamp.

REA10180 — Contact.

REB10254 — Contact.

REB10267 — Body.

REB10457 — Insulator.

SPECIFICATION

MILITARY

MIL-C-3643 — Connectors, Coaxial, Radio Frequency, Series HN, and Associated Fittings, General Specification for.

(Copies of specifications and drawings required by contractors in connection with specific procurement functions should be obtained from the procuring agency or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Requirements. Requirements shall be in accordance with Specification MIL-C-3643, and as specified herein.

DRAWINGS

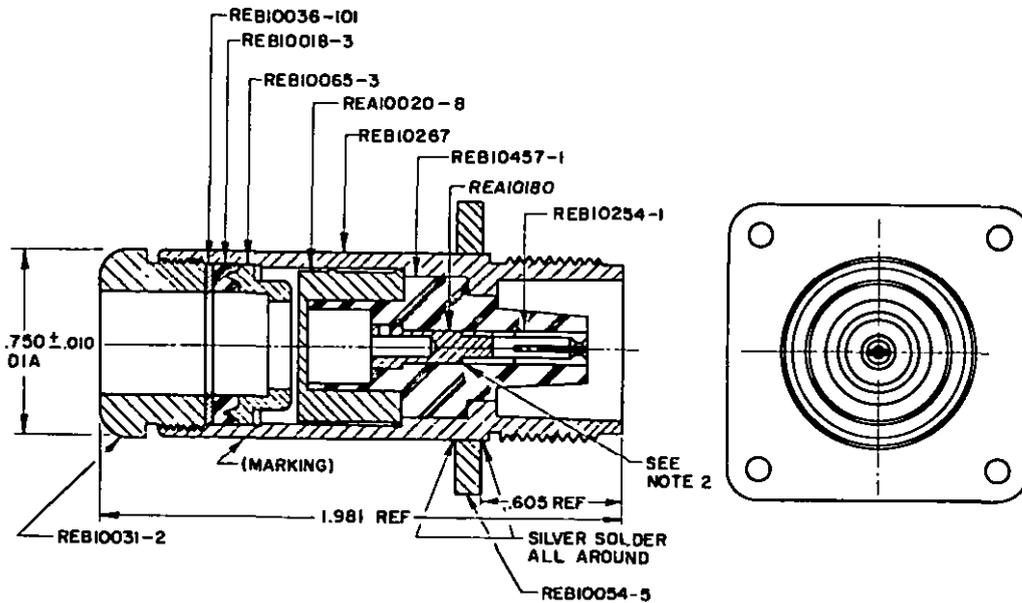
BUREAU OF SHIPS

REB10018 — Gasket.

REA10020 — Retainer.

REB10031 — Nut.

3.2 Design and construction. The electrical receptacle connector shall be of the design, construction, and physical dimensions specified on figure 1.



- 1 All dimensions in inches
- 2 Contacts, REB10180 and REB10254-1, to be silver brased together prior to heat treating and forming. Silver should not enter or drop into the contact area

FIGURE 1. Type UG-61E/U electrical receptacle connector.

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection. Sampling and inspection shall be in accordance with Specification MIL-C-3643, and as specified herein.

4.2 Gage tests for contacts (piece parts). Test 3 of gage tests for contacts (piece parts) is not applicable to this specification.

4.3 Outer contact form over. The outer-contact-form-over test is not applicable to this specification.

4.4 Assembly and rotation. The assembly-and-rotation test is not applicable to this specification.

4.5 Interchangeability. The interchangeability test is not applicable to this specification.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification MIL-C-3643.

6. NOTES

6.1 Notes. In addition to the notes specified herein, the notes specified in Specification MIL-C-3643 are applicable to this specification.

6.2 Intended use. Electrical Receptacle Connector UG-61E/U is designed for use with Radio Frequency Cables RG-8/U and -9/U.

6.3 Design data. This specification covers the design of type UG-61E/U electrical receptacle connector which was previously covered by Bureau of Ships Drawing REB49228. This electrical receptacle connector should not be used for new design.

Notice. When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said

drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

Custodians:

Army - EL
Navy - EC
Air Force - 80

Review activities:

Army - MI, EL, SL
Navy - AS
Air Force - 80
DSA - ES

User activities:

Army - AT, MU, WC
Navy - SH
Air Force - None

Preparing activity:

Army - EL

Agent:

DSA - ES

(Project 5935-1835-3)