

MIL-C-3643/11A  
14 August 1972  
SUPERSEDING  
MIL-C-3643/11  
22 November 1961

MIL

# CONNECTOR, RECEPTACLE, SERIES HN,

1

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

INACT.  
NO SUT.

1. SCOPE — Retainer.

— Nut.

1.1 This specification covers the requirements for type UG-427C/U, electrical receptacle connector. — Washer.  
— Mounting Plate.

— Clamp.

2. APPLICABLE DOCUMENTS — Contact.

— Contact.

2.1 The following documents, in effect on date of invitation for a part of this specification to specified herein. — Body.  
— Insulator.

## SPECIFICATION

Specifications and drawings required in connection with specific procurements should be obtained from the procurement officer directed by the contracting officer.)

### MILITARY

MIL-C-3643 — Connectors, Radio

Radio

Series H

associated

General

specification for.

### REQUIREMENTS

Requirements shall be associated with Specification MIL-C-3643 specified herein.

## DRAWINGS

Construction. The electrical connector shall be of the design, and physical dimensions specified.

BUREAU OF SHIPS

REB10018 — Gasket.

FSC 5935

- 1 All dimensions in inches.
- 2 Contacts, REA10180 and REB10254-1, to be silver brazed together prior to heat treating and forming Silver should not enter or drop into the contact area.

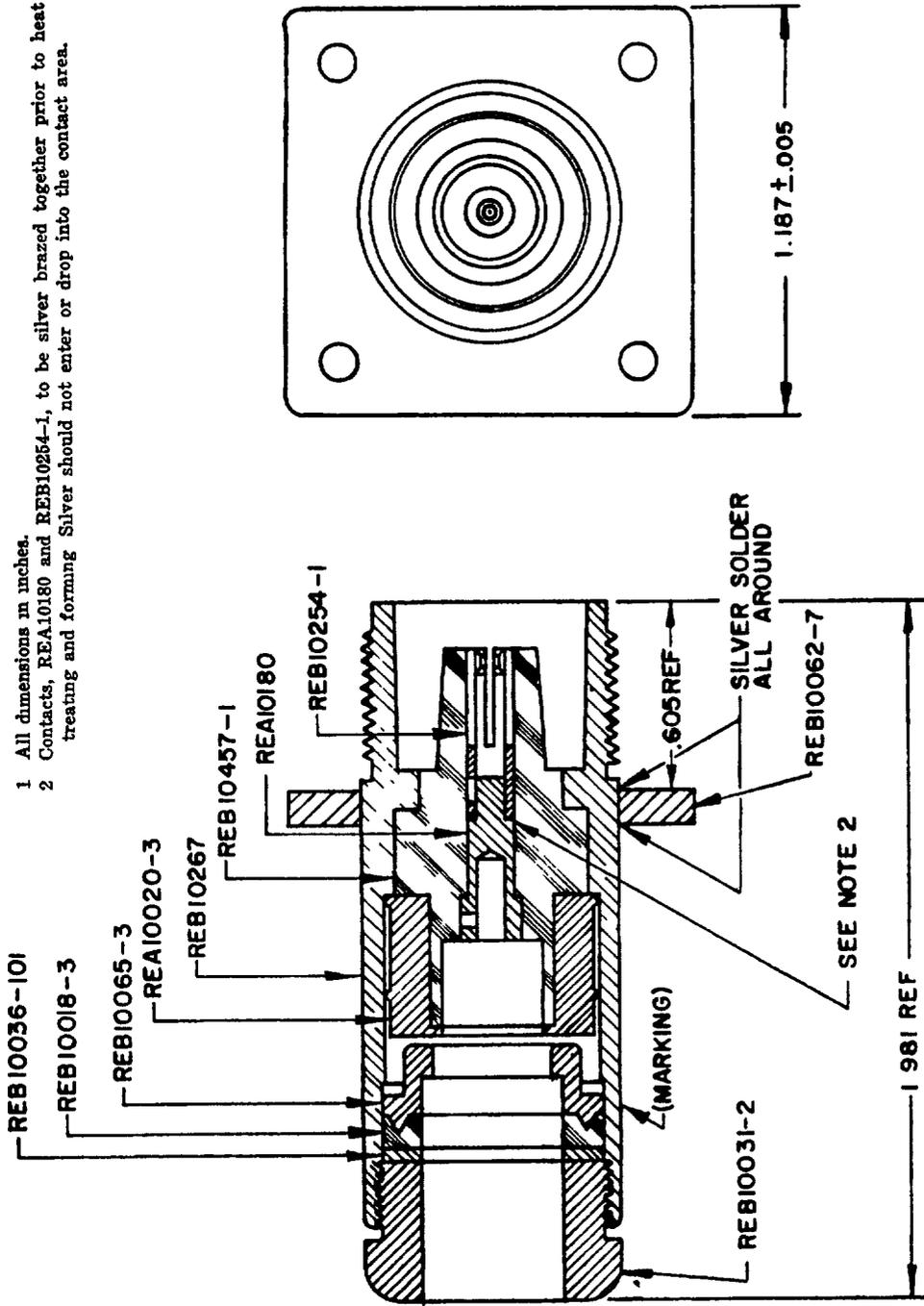


FIGURE 1 Type UG-427C/U electrical receptacle connector

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

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

**4.4 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-427C/U is designed for use with Radio Frequency Cables RG-8/U, -9/U, -213/U, and -214/U.

**6.3 Design data.** This specification covers the design of type UG-427C/U electrical receptacle connector which was previously covered by Bureau of Ships Drawing REB49223. 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 5935-1835-10)

**SPECIFICATION ANALYSIS SHEET**

Form Approved  
Budget Bureau No 22-R255

**INSTRUCTIONS** This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.

SPECIFICATION MIL-C-3643/11A CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES HN,  
TYPE UG-427C/U

ORGANIZATION

CITY AND STATE

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT       SUBCONTRACT

1 HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A GIVE PARAGRAPH NUMBER AND WORDING

B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3 IS THE SPECIFICATION RESTRICTIVE?

YES       NO (If "yes" in what way?)

4 REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)

SUBMITTED BY (Printed or typed name and activity - Optional)

DATE

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**DD FORM 1426**  
1 JAN 56

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

ESC-FM 1068-68

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