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

INAGI, NO SUT.

1. SCOPE

- Retainer.
- Nut.
- Washer.
- Mounting Plate.
- Clamp.
- Contact.

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

2. APPLICABLE DOCUMENT:

- Contact.
- Body.
- Insulator.
- Specifications and drawings required connection with specific procurement data can be obtained from the procuring agency.

SPECIFICATION

MILITARY

MIL-C-3643 — Connectors Radio Series H

MENTS

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

DRAWINGS

BUREAU OF SHIPS

REB10018 — Gasket.

CONNECTION, RECEIPTAL, SERIES HN, 1

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-487C/U electrical receptacle connector.
4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection. Sampling and inspection shall be in accordance with Specification MIL-C-3648, 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-3648.

6. NOTES

6.1 Notes. In addition to the notes specified herein, the notes specified in Specification MIL-C-3648 are applicable to this specification.

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**

**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 ensure 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

<table>
<thead>
<tr>
<th>ORGANIZATION</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>CITY AND STATE</td>
<td>CONTRACT NUMBER</td>
</tr>
</tbody>
</table>

1. **MATERIAL PROCURED UNDER**
   - [ ] DIRECT GOVERNMENT CONTRACT
   - [ ] SUBCONTRACT

2. **HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?**
   - [ ]

   **A. GIVE PARAGRAPH NUMBER AND WORDING**

3. **RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES**

4. **COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID**

5. **IS THE SPECIFICATION RESTRICTIVE?**
   - [ ] YES
   - [ ] NO (If "yes" in what way?)

6. **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)**

7. **SUBMITTED BY** (Printed or typed name and activity - Optional) | DATE

**DD FORM 1426** REPLACES EDITION OF 1 OCT 54 WHICH MAY BE USED

**ESC-PM 1068-68**
Department of the Army
Headquarters
U.S. Army Electronics Command
Fort Monmouth, New Jersey 07703

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