

**MILITARY SPECIFICATION**

**CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES HN,  
TYPE UG-496/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-496/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

**SPECIFICATION**

**MILITARY**

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

**DRAWINGS**

**BUREAU OF SHIPS**

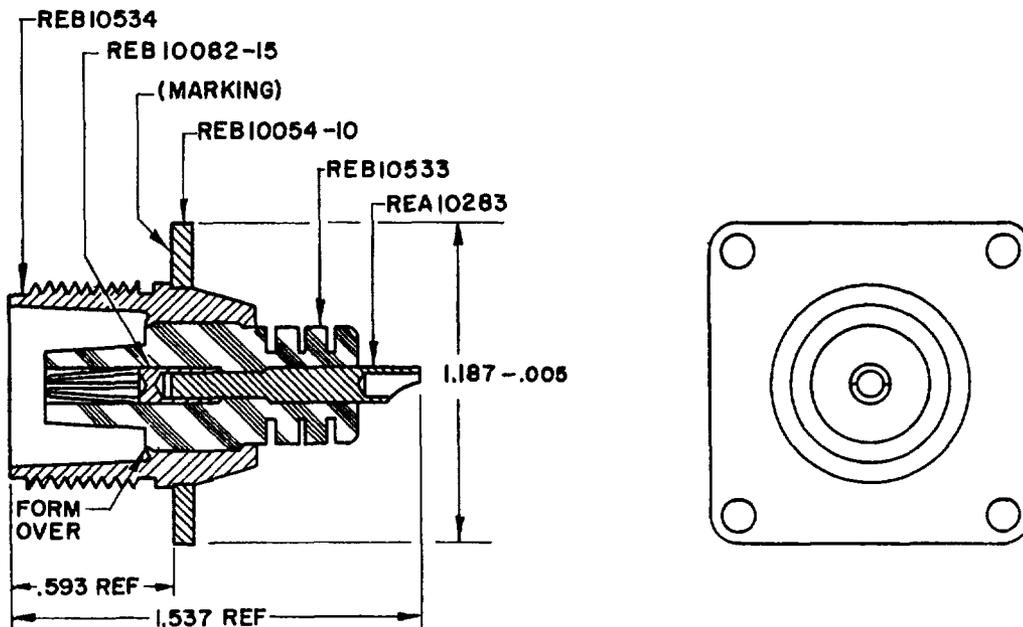
REB10054 — Mounting Plate  
REB10082 — Contact  
REA10283 — Contact  
REB10533 — Insulator  
REB10534 — Body

(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

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



All dimensions in inches

FIGURE 1 Type UG-496/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 Design data.** This specification covers the design for type UG-496/U electrical receptacle connector which was previously covered by Bureau of Ships Drawing REB49219. 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 what-

soever, 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 5935-1835-9)

**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 **MLL-C-3643/9A CONNECTOR, RECEPTACLE, ELECTRICAL, SERIES HN, TYPE UG-496/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

To detach this form, cut along this line

**DD FORM 1426**  
1 JAN 68

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

**ESC-FM 1068-68**

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Headquarters  
U.S. Army Electronics Command  
Fort Monmouth, New Jersey 07703

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