

MILITARY SPECIFICATION

ADAPTER, CONNECTOR, COAXIAL, RADIOFREQUENCY,
BETWEEN SERIES, TYPE UG-970/U

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

1. SCOPE

1.1 This specification covers the detail requirements for type UG-970/U, between series (series Twin to series UHF), radiofrequency, coaxial connector adapter.

2 APPLICABLE DOCUMENTS

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

SPECIFICATION

MILITARY

MIL-A-27434 - Adapters, Connector, Coaxial, Radiofrequency, Between Series,
General Specification for

DRAWINGS

SIGNAL CORPS

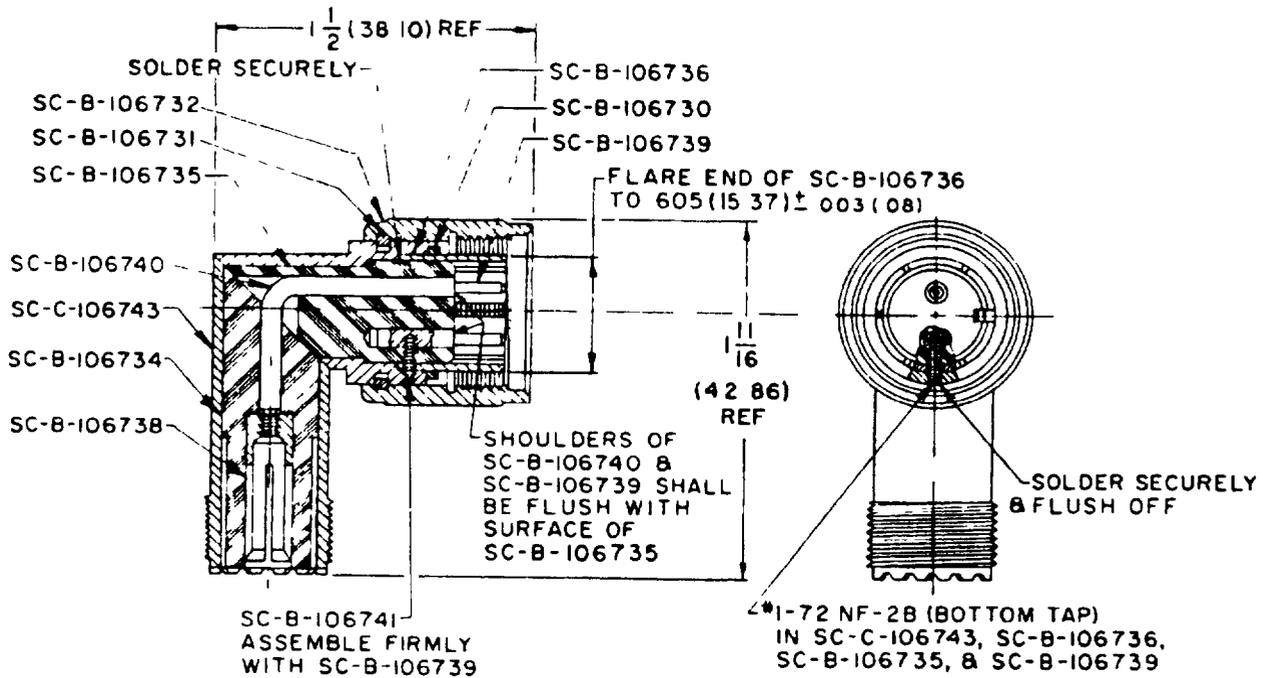
SC-B-106730 - Gasket
SC-B-106731 - C Ring.
SC-B-106732 - Coupling
SC-B-106734 - Insulator
SC-B-106735 - Insulator, Male.
SC-B-106736 - Contact, Outer
SC-B-106738 - Contact, Female
SC-B-106739 - Contact, Short.
SC-B-106740 - Contact.
SC-B-106741 - Screw, Set.
SC-B-106743 - Body Assembly.

(Copies of specifications, standards, drawings, and publications 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 MIL-A-27434, and as specified herein.

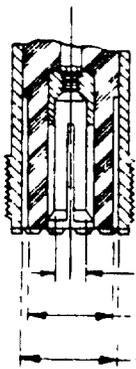
3.2 Design and construction The connector adapter shall be of the design, construction, and physical dimensions specified on figure 1.



NOTES

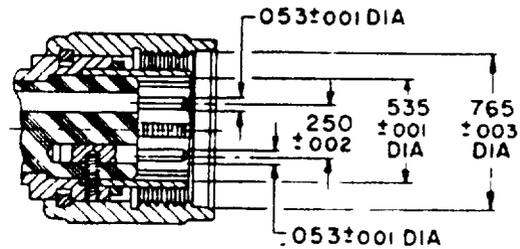
- 1 Dimensions are in inches
- 2 Millimeters are in parentheses.
- 3 Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm

FIGURE 1 Type UG-970/U connector adapter



SERIES UHF

INCHES	MM
.001	.03
.002	.05
.003	.08
.053	1.35
.161	4.09
.250	6.35
.406	10.31
.468	11.89
.535	13.59
.765	19.43



SERIES TWIN

NOTES

- 1 Dimensions are in inches
- 2 Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm

FIGURE 2 Dimensional requirements for group B inspection

4 QUALITY ASSURANCE PROVISIONS

4 1 Sampling and inspection Sampling and inspection shall be in accordance with MIL-A-27434, and as specified herein.

4 1 1 Group B inspection. Group B inspection shall be in accordance with MIL-A-27434 Mating dimensions shall be as specified in figure 2.

4 2 Dielectric withstanding voltage The test voltage shall be 500 volts root mean square, instantaneously applied.

5. PREPARATION FOR DELIVERY

5 1 Preparation for delivery shall be in accordance with MIL-A-27434.

6 NOTES

6 1 Notes In addition to the notes specified herein, the notes specified in MIL-A-27434 are applicable to this specification

6 2 This specification covers the design of type UG-970 U connector adapter which was previously covered by Signal Corps Drawing SC-C-106729

Custodians

Army - EL
Navy - SH
Air Force - 11

Preparing activity

Army - EL
(Project 5935-1437)

Review activities

Army - EL, MU, MI
Navy - SH, ESO
Air Force - 11, 17, 85

User activities

Army - MO
Navy - WP, MC
Air Force - 14, 19

SPECIFICATION ANALYSIS SHEET

Form Approved Budget Bureau No. 119 R004

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.

SPECIFICATION

ORGANIZATION

CITY AND STATE

CONTRACT NO.

QUANTITY OF ITEMS PROCURED

DOLLAR AMOUNT

\$

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)

DATE

FOLD

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FORT MONMOUTH, NEW JERSEY 07703

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