

INCH-POUND

MIL-DTL-27434/24A  
22 May 2008  
SUPERSEDING  
MIL-A-27434/24  
28 September 1960

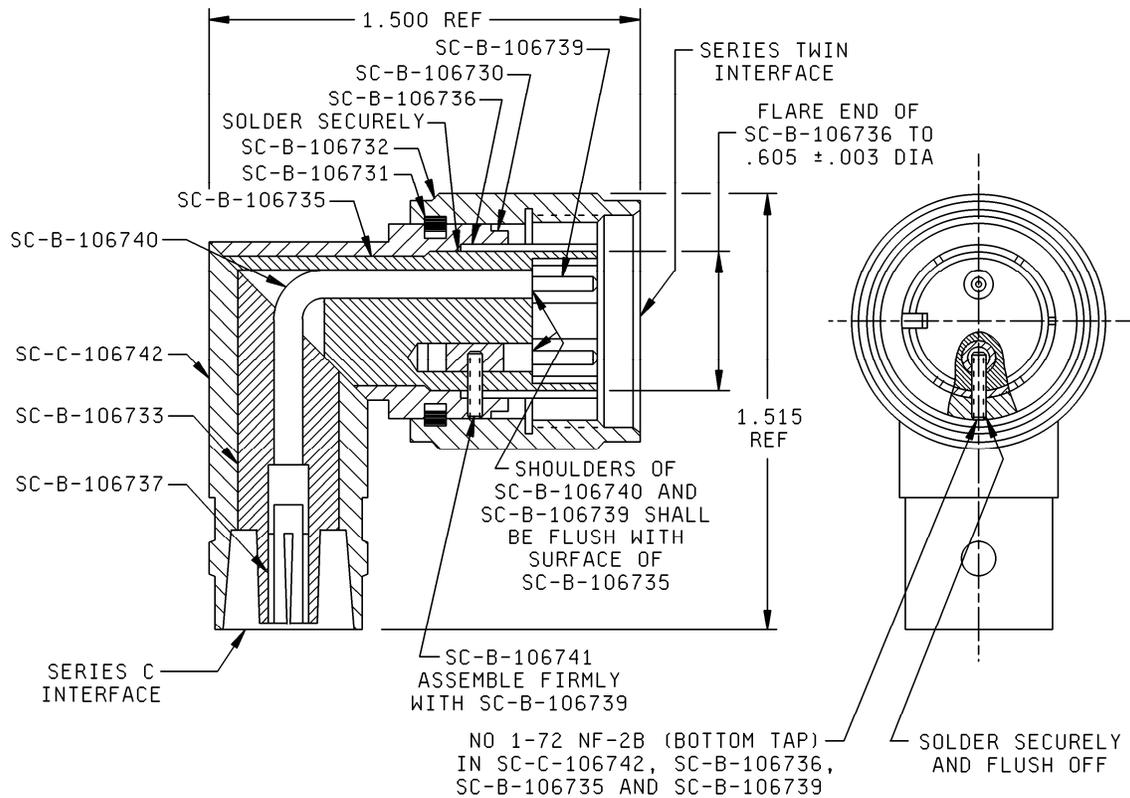
DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIOFREQUENCY,  
BETWEEN SERIES, SERIES TWIN to SERIES C  
TYPE UG-971/U

Inactive for new design after  
19 February 1982

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

The requirements for acquiring the product described herein  
shall consist of this specification sheet and MIL-DTL-27434.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.

Inches	mm
1.515	38.48
1.500	38.10
.605	15.37
.300	7.62

FIGURE 1. Type UG-971/U connector adapter.

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ENGINEERING DATA:

Impedance: 50 ohms, nominal.

Frequency range: 0 to 200 MHz.

Voltage rating: 500 V rms, maximum at sea level.  
125 V rms, maximum at 70,000 feet.

Temperature rating: -65° C to +165° C.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Mating characteristics: Series C socket contact in accordance with MIL-STD-348, and series twin interface shall be in accordance with MIL-DTL-27434 after assembly.

Dielectric withstanding voltage: Method 301 of MIL-STD-202, 1,500 V rms minimum at sea level.

Corrosion: Applicable.

Vibration: Applicable.

Shock: Applicable.

Part or Identifying Number (PIN): UG-971/U.

Supersession: This document supersedes Signal Corps Drawing SC-C-106728.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-27434, this document references the following:

MIL-STD-202	SC-B-106736
MIL-STD-348	SC-B-106737
SC-B-106730	SC-B-106739
SC-B-106731	SC-B-106740
SC-B-106732	SC-B-106741
SC-B-106733	SC-C-106742
SC-B-106735	

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CONCLUDING MATERIAL

Custodians:

Army - CR  
Navy - EC  
Air Force - 85  
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2007-010)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.