INCH-POUND

MIL-DTL-27434/22B
22 May 2008
SUPERSEDING
MIL-A-27434/22A
5 February 1962

DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIOFREQUENCY, BETWEEN SERIES, SERIES QDS to SERIES N TYPE UG-966A/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.

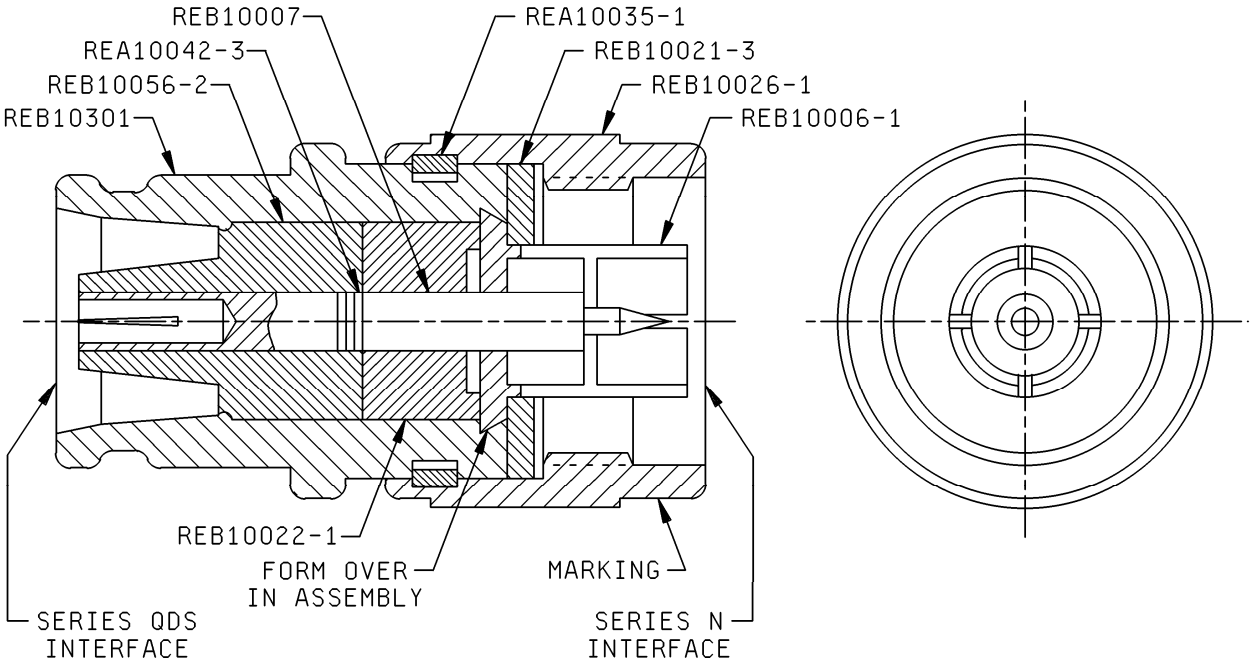

FIGURE 1. Type UG–966A/U connector adapter.

ENGINEERING DATA:

Impedance: 50 ohms, nominal.

Frequency range: 0 to 2 GHz.

Voltage rating: 1,000 V rms, maximum at sea level.
250 V rms, maximum at 70,000 feet.

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

REQUIREMENTS:

Dimensions and configuration: See figure 1.

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

Contact gage test (series QDS only):

The center contact shall be subjected to the following gage test prior to assembly into the adapter. The pins that are used in the performance of these tests may be tapered at theirs ends to facilitate insertion, but the tapered portions shall not be included in the specified dimensions.

A pin 0.100 inch minimum in diameter shall be inserted to a depth of 0.125 inch minimum, and then removed. The contact shall be then tested as follows:

a. A pin 0.074 inch minimum in diameter shall be inserted to a depth of 0.200 inch minimum shall not deflect the contact members.

b. A pin 0.080 inch maximum in diameter inserted to depth of 0.125 inch minimum shall make contact with all four contact members within 0.015 inch of their tip ends.

c. A pin 0.093 inch minimum in diameter inserted to a depth of 0.062 inch minimum shall not cause the contact members to bow perceptibly.

Dielectric withstanding voltage: Method 301 of MIL-STD-202, 2,500 V rms minimum at sea level.

Corrosion: Applicable.

Vibration: Applicable.

Shock: Applicable.

Part or Identifying Number (PIN): UG-966A/U.

Supersession: This document supersedes drawing REB49121.

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
MIL-STD-348
REB10007
REB10301

CONCLUDING MATERIAL

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

Preparing activity:
DLA - CC

(Project 5935-2007-008)

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.