

INCH-POUND

MIL-DTL-27434/16A
w/AMENDMENT 1
30 July 2022
SUPERSEDING
MIL-A-27434/16A
22 May 2008

DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIO FREQUENCY,
BETWEEN SERIES, SERIES LC to SERIES LT
TYPE UG-586 B/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.

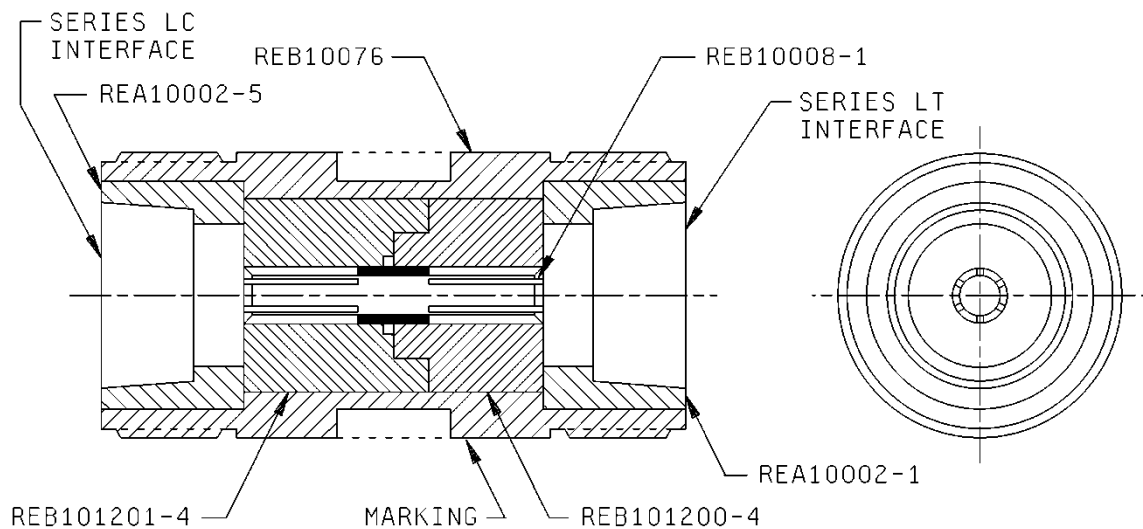
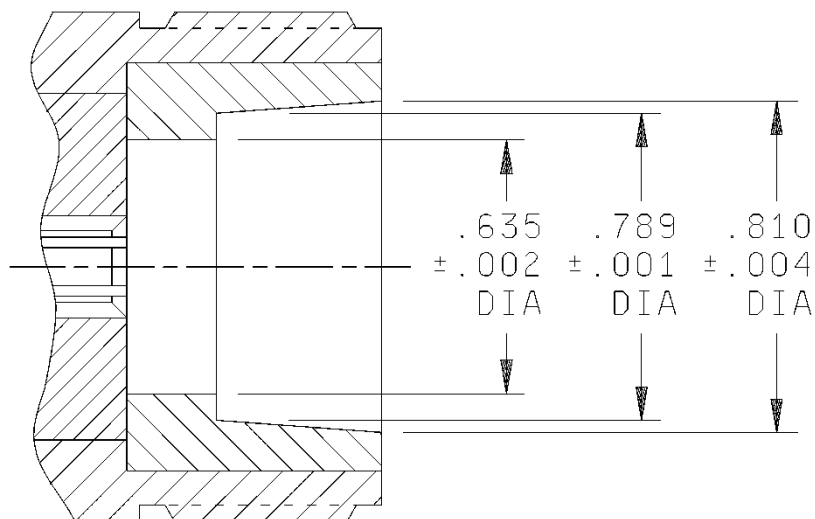


FIGURE 1. Type UG – 586 B/U connector adapter.

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NOTES:

1. Dimensions are in inches.

FIGURE 2. Series LT interface dimensions.

ENGINEERING DATA:

Impedance: 50 ohms, nominal.

Frequency range: 0 to 1 GHz.

Voltage rating: 4,000 V rms, maximum at sea level.
1,000 V rms, maximum at 70,000 feet.

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

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Mating characteristics: Series LC socket contact interface in accordance with MIL-DTL-27434 and series LT socket contact interface as specified on figure 2.

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Contact insertion and withdrawal force (Series LT only).

After insertion and removal of a pin 0.200 inch minimum in diameter to a depth of 0.187 inch, minimum. All contact members shall make contact, within 0.031 inch of their tip ends, with a pin 0.176 inch diameter inserted to a depth of 0.187 inch minimum. The contact shall then be tested as follows:

1. A pin 0.168 inch minimum in diameter inserted to a depth of 0.187 inch minimum shall not deflect the contact members.
2. When a pin 0.196 inch minimum in diameter is inserted to a depth of 0.187 inch minimum, all contact members shall make contact with the pin 0.031 inch maximum from their tip ends. The contact shall then pass through a cylindrical hole 0.230 inch maximum in diameter and 0.500 inch long when a pressure of not more than 2 pounds is applied.

Dielectric withstanding voltage: MIL-STD-202-301, 10,000 V rms minimum at sea level.

Corrosion: Applicable.

Vibration: Applicable.

Shock: Applicable.

Part or Identifying Number (PIN): UG-586 B/U.

Supersession: This document supersedes Navy drawing REB 49164.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

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

MIL-STD-202-301

CONCLUDING MATERIAL

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

Preparing activity:
DLA - CC
(Project 5935-2022-090)

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 <https://assist.dla.mil>.