

INCH-POUND

MS90261D  
 7 November 2005  
 SUPERSEDING  
 MS90261C  
 10 April 1961

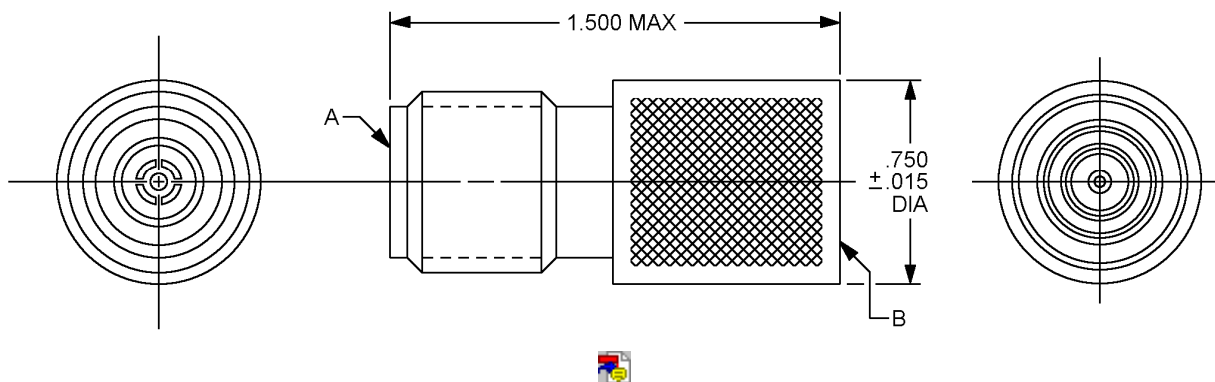
## DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, COAXIAL, RADIO FREQUENCY,  
 BETWEEN SERIES (SERIES C JACK TO SERIES HN PLUG)  
 TYPE UG-703 A/U

**Inactive for new design 15 June 1999**

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.



Inches	mm
.750	19.05
1.500	38.10

Reference	Series	Contact
A	HN	Socket
B	C	Pin

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Series HN socket contact interface and series C pin contact interface to be in accordance with MIL-STD-348.

FIGURE 1. Type UG-703A/U Connector.

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Dimensions and configuration: In accordance with Figure 1 and MIL-STD-348.

Frequency range: 500 MHz, maximum.

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

Dielectric withstanding voltage: 3,000 volts, rms.

Corrosion: Method 101 of MIL-STD-202 test condition B.

Finish: Center contact. The male pin shall be plated to a minimum gold thickness of 50 micro inches (1.27 $\mu$ m) in accordance with ASTM B488, type II, Code C, class 1.27, over 50 micro inches (1.27 $\mu$ m) minimum of nickel in accordance with SAE-AMS-QQ-N-290, class 1, measured anywhere along the mating surface, for all series. The socket contact shall be plated to a minimum of 50 micro inches (1.27 $\mu$ m) of gold in accordance with ASTM B488, type II, Code C, class 1.27, over 50 micro inches (1.27 $\mu$ m) minimum of nickel in accordance with SAE-AMS-QQ-N-290, class 1, including the I.D., measured at a depth of .040 inch minimum. The plating on non-significant surfaces in the I.D. shall be of sufficient thickness to ensure plating continuity and uniform utility and protection. This plating may consist of an underplate only. A silver underplate shall not be permitted.

Finish: All other parts shall be silver plated to a minimum thickness of 0.0002 inches (0.005 mm) in accordance with ASTM B700.

Part or Identifying Number (PIN): MS90261-703A.

## Cross Reference Table

PIN	Supersedes
MS90261-703A	UG-703/U and UG-703 A/U

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

MIL-STD-202  
MIL-STD-348  
ASTM B488  
ASTM B700  
SAE-AMS-QQ-N-290

## CONCLUDING MATERIAL

Custodians:  
Army - CR  
Navy - EC  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-4746-000)

Review activities:  
Navy - AS  
Air Force - 99

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>.