

INCH-POUND

MS90578C
8 May 2012
SUPERSEDING
MS90578B
7 November 2005

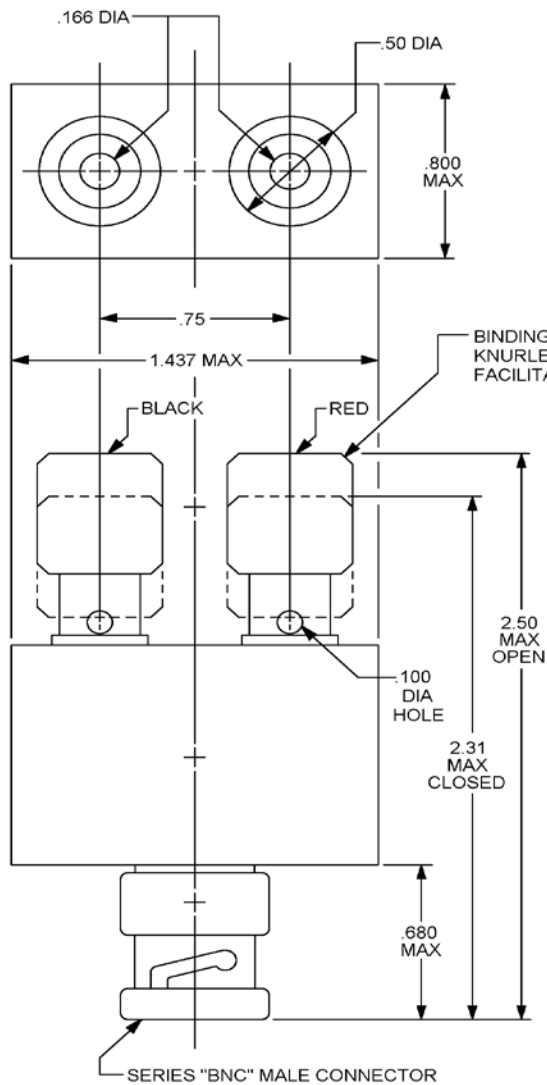
DETAIL SPECIFICATION SHEET

ADAPTER, CONNECTOR, (TWIN BINDING POST-BNC MALE)
TYPE UG-1441/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	Inches	mm
.100	2.54	.800	20.32
.166	4.22	1.437	36.50
.50	12.7	2.31	58.67
.680	17.27	2.50	63.50
.75	19.05		

FIGURE 1. Type UG-1441/U connector.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are ± 0.02 (.51 mm) and ± 0.005 (.13 mm).

FIGURE 1. Type UG-1441/U connector - Continued.

Dimensions and configuration: In accordance with figure 1 and MIL-STD-348 for BNC pin contact interface.

Frequency range: 500 MHz, maximum.

Voltage rating: 500 volts rms, maximum at 60 Hz.

Corrosion: In accordance with MIL-STD-202, method 101, test condition B.

Finish:

Center contact. The male pin shall be plated to a minimum gold thickness of 50 micro inches (1.27 μ m) in accordance with ASTM B488, type II, code C, class 1.27, over 50 micro inches (1.27 μ 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 μ m) of gold in accordance with ASTM B488, type II, code C, class 1.27, over 50 micro inches (1.27 μ m) minimum of nickel in accordance with SAE-AMS-QQ-N-290, class 1, including the ID, measured at a depth of .040 inch minimum. The plating on non-significant surfaces in the ID 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.

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

Materials:

Ferrules: Nylon in accordance with ASTM D4066 or phenolic in accordance with ASTM D5948.

Metal parts: Brass in accordance with ASTM B121/B121M, ASTM B36/B36M, ASTM B16/B16M and ASTM B124/B124M. Silver plated to a minimum thickness of 200 microinches in accordance with ASTM B700 or nickel plated 200 microinches minimum in accordance with SAE-AMS-QQ-N-290.

Body: Styrene in accordance with L-P-516 or acrylonitrile-butodiene-styrene in accordance with ASTM D4673.

Part or Identifying Number (PIN): MS90578-1441.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. 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 and relationship to the last previous issue.

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

MIL-STD-202
MIL-STD-348
L-P-516
ASTM B16/B16M
ASTM B36/B36M
ASTM B124/B124M
ASTM B121/B121M
ASTM B488
ASTM B700
ASTM D4066
ASTM D4673
ASTM D5948
SAE-AMS-QQ-N-290

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2011-094)

Review activities:

Army – AR, CR4, MI
Navy – AS, CG, MC
Air Force – 19

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.daps.dla.mil>.