



## DEFENSE LOGISTICS AGENCY

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IN REPLY  
REFER

DSCC-VAI (Mr. Ron Gary/(614) 692-0568

June 24, 2004

### MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of MS35122B, MS35123C, MS90261D, MS90577A, MS90578B and MS90579A;  
Adapter, Connectors, Plugs and Receptacles, Series SM, C, HN, UHF, QL and BNC;  
Project Numbers 5935-4745 through 5935-4750.

The initial draft for this subject document will be available for viewing and downloading from the DSCC-VAI Web site within the next 5 working days:

<http://www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp>

Changes to this document include reference updates and reformatting, however the entire specification is offered for comment.

Concurrence or comments are required at this Center within 45 days from the date of this letter. Late comments will be held for the next coordination of this document. Comments from Military Departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians, as applicable, in sufficient time to allow for consolidation of the Department reply.

Please forward your comments or concurrence electronically to the project officer listed below. This can be in the form of a return e-mail, with or without attached text files. If an electronic response is not possible, we will accept comments via letter, facsimilie, or phone call. Any further coordination concerning this document will be circulated only to firms and organizations that furnish comments or reply that they have an interest.

The point of contact for this document is Mr. Ron Gary. The preferred method of contact is via e-mail: [Estel.Gary@dla.mil](mailto:Estel.Gary@dla.mil). Mr. Gary can also be reached at 614-692-0568/DSN 850-0568, or by facsimilie 614-692-6940.

Sincerely,

/signed/

RICHARD L. TAYLOR  
Chief,  
Interconnection Devices Team

Note: This draft dated 3 June 2004, prepared by the Defense Supply Center Columbus (DSCC-VAI) has not been approved and is subject to modification.

**DO NOT USE PRIOR TO APPROVAL (5935-4749-000)**

INCH-POUND

MS90578B  
**DRAFT**  
 SUPERSEDING  
 MS90578A  
 30 January 1970

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.

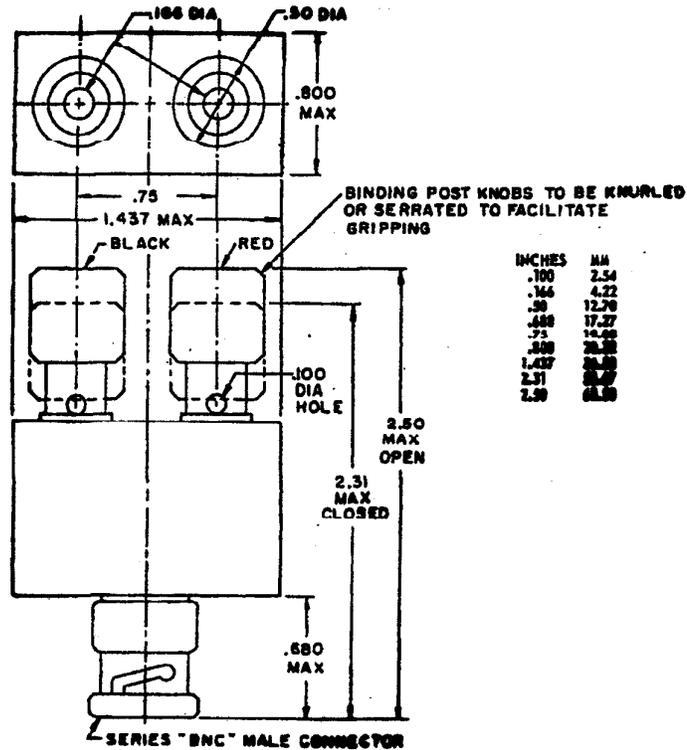


FIGURE 1. Type UG-1441/U Connector.

NOTES:

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

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: 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 0.000200 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, ASTM B36, ASTM B16, ASTM B16M and ASTM B124. 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 L-P-1183.

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

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

MIL-STD-202  
MIL-STD-348  
ASTM B488  
SAE-AMS-QQ-N-290  
ASTM B700  
ASTM D4066  
ASTM D5948  
ASTM B121  
ASTM B36  
ASTM B16  
ASTM B16M  
ASTM B124  
L-P-516  
L-P-1183

CONCLUDING MATERIAL

Custodians:

Army - CR  
Navy - EC  
Air force - 11  
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-4749-000)

Review activities:

Army – AR, MI  
Navy – AS, CG, MC, OS  
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 <http://www.dodssp.daps.mil>.