

DETAIL SPECIFICATION  
CONNECTORS, COAXIAL, RADIOFREQUENCY, SERIES PULSE,  
GENERAL SPECIFICATION FOR

This specification is approved for use by all Departments  
and Agencies of the Department of Defense

SCOPE

- 1.1 Scope. This specification covers the general requirements for weatherproof, high-voltage, series pulse, radiofrequency coaxial connectors. (See 6.1 and 6.3.)
- 1.2 Classification.
- 1.2.1 Type designation. The type designation of connectors is derived from the AN nomenclature system specified in Standard MIL-STD-196, and will be as specified. (See 3.1 and 6.2.)
- 1.2.2 Part or Identifying Number (PIN). The PIN consists of the letter "M" followed by the basic specification number and the applicable "UG" designation.

M3607 - UG-XXXX()/U

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Defense Supply Center Columbus, Attn: VAI, 3990 East Broad Street, Columbus, Ohio, 43216-5000 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

SPECIFICATIONS

FEDERAL

- A-A-59588 - Rubber, Silicone.
- O-F-499 - Flux, Low Melting Point Silver Alloy Brasing.
- QQ-B-654 - Brazing Alloys, Silver.
- QQ-L-201 - Lead; Sheet.

DEPARTMENT OF DEFENSE

- MIL-L-10547 - Liners, Case, Waterproof.
- MIL-PRF-15624 - Rubber Sheets; and Cut, Molded and Extruded Special Shaped Section – Synthetic, Medium Soft, Shipboard Gasket Use Except Low Temperature Application.

(For applicable detail specifications, see Supplement 1).

STANDARDS

FEDERAL

- FED-STD-H28 - Screw-Threaded Standards For Federal Services.

DEPARTMENT OF DEFENSE

- MIL-STD-129 - Marking for Shipment and Storage.
- MIL-STD-130 - Identification Marking of U. S. Military Property.
- MIL-STD-196 - Joint Electronics Type Designation System.
- MIL-STD-202 - Test Methods for Electronic and Electrical Component parts.

(Copies of specifications, detail specifications, and standards required by contractors in connection with specific procurement actions should be obtained from the procuring activity or as directed by the contracting officer.)

2.3 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids will apply.

OFFICIAL CLARIFICATION COMMITTEE

Uniform Freight Classification Rules.

(Application for copies should be addressed to the Official Classification Committee, One Park Avenue, at 33<sup>rd</sup> Street, New York 16, N. Y.)

2.4 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents, which are DoD adopted, are those listed in the issue of the DoDISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- ASTM B30 - Copper Alloys in Ingot Form.
- ASTM B36 - Brass Plate, Sheet, Strip and Rolled Bar.
- ASTM B121 - Leaded Brass Plate, Sheet, Strip and Rolled Bar.
- ASTM B124 - Copper and Copper Alloy Forging Rod, Bar and Shapes.
- ASTM B139 - Phosphor Bronze Rod, Bar and Shapes.
- ASTM B194 - Copper Beryllium Alloy Plate, Sheet, Strip and Rolled Bar.
- ASTM B196 - Copper Beryllium Alloy Rod and Bar.
- ASTM B197 - Copper Beryllium Alloy Wire.
- ASTM B339 - Pig Tin
- ASTM B545 - Tin, Electrodeposited Coatings of.
- ASTM B700 - Electrodeposited Coatings of Silver for Engineering Uses.

(Applications for copies should be addressed to the American Society For Testing And Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428.)

INSTITUTE FOR INTERCONNECTING AND PACKAGING ELECTRONIC CIRCUITS

- J-STD-004 – Soldering Fluxes, Requirements For
- J-STD-005 – Soldering Pastes, Requirements For
- J-STD-006 – Electronic Grade Solder Alloys and Fluxed and Non-Fluxed Solid Solders For Electronic Soldering Applications, Requirements For

(Applications for copies should be addressed to the institute for Interconnecting and Packaging Electronic Circuits, 2215 Sanders Road, Northbrook, IL 60062.)

SOCIETY OF AUTOMOTIVE ENGINEERS

- SAE-AS8660 - Silicone Compound NATO Code Number S-736.
- SAE-AMS-QQ-N-290 - Nickel Plating (Electrodeposited).
- SAE-AMS-QQ-P-416 - Plating, Cadmium (Electrodeposited).

(Applications for copies should be addressed to the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale PA, 15096-0001.)

3. REQUIREMENTS

3.1 Detail requirements for individual connector types. Detail requirements or exceptions applicable to individual types of connectors shall be as specified in the detail specifications listed in Supplement 1 to this specification. In the event of any conflict between requirements of this specification and the detail specifications, the latter shall govern. (See 6.2.)

3.2 Material. The material shall be as specified herein. (See 3.1.) However, when a definite material is not specified, a material shall be used which will enable the connectors to meet the performance requirements of this specification. Acceptance or approval of any constituent material shall not be construed as a guaranty of the acceptance of the finished product.

3.2.1 Brass. Brass shall conform ASTM-B36, or ASTM-B121, as applicable.

- 3.2.2 Ceramic. Unless otherwise specified (see 3.1), parts made of ceramic shall be glazed.
- 3.2.3 Copper-alloy ingots. Copper-alloy ingots shall conform to ASTM-B30.
- 3.2.4 Copper-beryllium. Copper beryllium shall conform to ASTM-B194, ASTM-B196 or ASTM-B197. After machining and forming, parts fabricated of copper beryllium shall be heat-treated to condition HT.
- 3.2.5 Insulating and sealing compound. Insulating and sealing compound shall conform to SAE-AS8660.
- 3.2.6 Lead. Lead shall conform to grade B of Specification QQ-L-201.
- 3.2.7 Phosphor bronze. Phosphor bronze shall conform to composition A of ASTM-B139.
- 3.2.8 Plating.
  - 3.2.8.1 Cadmium. Cadmium plating shall conform to class 3, type II, of Specification AMS-QQ-P-416.
  - 3.2.8.2 Nickel. Nickel plating shall conform to class 1, type V (FC), bright, or Specification SAE-AMS-QQ-N-290.
  - 3.2.8.3 Silver. Silver plating shall conform to ASTM-B700.
  - 3.2.8.4 Tin. Tin plating shall conform ASTM-B339 or ASTM-B545.
- 3.2.9 Rubber sheet. Shall conform to MIL-PRF-15624.
- 3.2.10 Silicone rubber. Silicone rubber shall conform to class IIa, grade 50 or 60, of Specification A-A-59588, except that the oil immersion test is not applicable.
- 3.2.11 Silver solder. Silver solder shall conform to class 1 of Specification QQ-B-654.
  - 3.2.11.1 Flux. Flux used while silver soldering shall conform to Specification O-F-499.
- 3.2.12 Soft solder. Soft solder shall conform to composition Sn60 of J-STD-004, J-STD-005 and J-STD-006.
- 3.3 Design and construction. Connectors shall be of the design, construction, and physical dimensions specified. (See 3.1.) Wherever feasible, parts having similar electrical characteristics may be combined (fabricated as a single piece) to simplify construction. Parts of unlike materials may be combined such as brass and copper beryllium, provided copper beryllium is used in the fabrication of the single-piece construction.
  - 3.3.1 Metal parts. Unless otherwise specified (see 3.1), all metal parts shall have a silver plating of not less than 0.0002 inch thick, of sufficient smoothness and density to withstand the salt-spray (corrosion) test specified in 4.6.4. All other types of plating shall be as specified. (See 3.1.) Dimensions of metal parts shall include the plating (See 3.1.)
  - 3.3.2 Screw threads. Screw threads shall conform to FED-STD-H28, and shall have the specified fit after plating. (See 3.1.)

3.3.3 Gage tests for contacts of rubber-insert type.

3.3.3.1 Center contacts (female). The center contacts shall meet the gage tests specified in 4.6.1.1 as piece parts and 4.6.1.2 in the assembled connector.

3.3.3.2 Outer contacts. The outer contacts shall meet the gage tests specified in 4.6.1.2.2 in the assembled connector.

3.3.3.2.1 Outer contact solder joint. When outer contacts are tested as specified in 4.6.1.3, there shall be no signs of loosening.

3.3.4 Assembly and rotation. When tested as specified in 4.6.1.4, the assembled coupling nuts for electrical plug connectors and connector adapters shall not disengage. In addition, a torque of 0.75 inch-pounds maximum shall rotate the coupling nut, when applied as specified in 4.6.1.4.

3.4 Dielectric withstanding voltage. When connectors are tested as specified in 4.6.2, there shall be no evidence of breakdown.

3.5 Leakage (applicable only to pressurized connectors). When connectors are tested as specified in 4.6.3, there shall be no evidence of loss of pressure as detected by escaping air bubbles.

3.6 Salt spray (corrosion). When connectors are tested as specified in 4.6.4, there shall be no evidence of destructive corrosion or pitting. Destructive corrosion shall be construed as any type of corrosion which in any way interferes with mechanical or electrical performance.

3.7 Marking (See 1.2.2). Connectors shall be marked in accordance with Standard MIL-STD-130, with the type designation and the manufacturer's code symbol. Marking shall be in depressed characters approximately .093 inch high, in the place specified. New marking will be required one year from the date of this specification. Previously marked parts are acceptable for use until stock is purged. (See 3.1.)

3.8 Workmanship. Connectors shall be processed in such a manner as to be uniform in quality and shall be free from sharp edges, burrs, and other defects that will affect life, serviceability, or appearance.

#### 4. VERIFICATION

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

- a. First article inspection. Does not include preparation for delivery (see 4.3).
- b. Inspections covered by subsidiary documents (see 4.4).
- c. Conformance inspections.
  - (1) Conformance inspection of equipment before preparation for delivery (see 4.5).
  - (2) Conformance inspection of preparation for delivery (see 4.7).

4.3 First article. Unless otherwise specified in the contract, the first article inspection shall be performed by the contractor.

4.3.1 First article units. The contractor shall furnish twelve (12) first article units of the complete UG-part number

4.3.2 First article inspection. The first article inspection shall consist the inspections specified in subsidiary documents covering the items listed in 4.4 and the inspections specified in table I.

4.3.3 First article data. The first article test plan and test report(s) shall be as required in the contract.

TABLE I. First article inspection.

Inspection	Requirement paragraph	Test paragraph	Number of units to be tested
Inspection covered by subsidiary documents		4.4	Inspection to be performed on all units
Group A inspection	See table II		Inspection to be performed on all units
Group B inspection	See table III		Inspection to be performed on all units
Group C inspection			
Subgroup 1	See table IV		Inspection to be performed as specified in test paragraphs
Subgroup 2	See table IV		Inspection to be performed as specified in test paragraphs

4.4 Inspection covered by subsidiary documents. The following shall be inspected under the applicable subsidiary documents as part of the inspection required by this specification and the inspection requirement specified in the contract.

<u>Item</u>	<u>Where required</u>
Finish	3.6
Marking	3.7

4.5 Conformance Inspection.

4.5.1 Inspection of product for delivery. Inspection of product for delivery shall consist of Groups A, B and C inspection.

4.5.1.1 Inspection lot. An inspection lot shall consist of all connectors of the same part number produced under essentially the same conditions, and offered for inspection at one time.

4.5.1.2 Group A inspection. Group A inspection shall consist of the inspections specified in table II in the order shown.

4.5.1.2.1 Sampling plan (Group A). Table II tests shall be performed on a production lot basis. Samples shall be selected in accordance with Table IIa. If one or more defects are found, the lot shall be screened for that particular defect and defects removed. A new sample of parts shall be selected in accordance with Table IIa and all Group A tests again performed. If one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification.

4.5.1.2.2 Visual inspection (Group A inspection). Each connector shall be visually examined for completeness, workmanship, and identification requirements. Attention shall be given to those assemblies that require a gasket to determine the condition of the gasket. Gaskets missing, twisted, buckled, kinked, or damaged in any way shall be cause for rejection.

TABLE II. Group A inspection.

Inspection	Requirement paragraph	Inspection paragraph
Visual and mechanical	-----	4.6.1
Marking	3.7	-----
Workmanship <sup>1/</sup>	3.8	-----
Gage tests for contacts(assembled connectors):	-----	-----
Center contacts (female)	3.3.3.1	4.6.1.2.1
Outer contacts	3.3.3.2	4.6.1.2.2
Dielectric withstanding voltage	3.4	4.6.2

<sup>1/</sup> Assembly, fit of parts and playing coverage.

Table IIa. Inspection level.

Lot size	Visual and mechanical inspection	
	Major	Minor <sup>1/</sup>
1 to 8	all	5
9 to 15	all	5
16 to 25	20	5
26 to 50	20	5
51 to 90	20	7
91 to 150	20	11
151 to 280	20	13
281 to 500	47	16
501 to 1,200	47	19
1,201 to 3,200	53	23
3,201 to 10,000	68	29
10,001 to 35,000	77	35
35,001 to 150,000	96	40
150,001 to 500,000	119	40
500,001 to over	143	40

<sup>1/</sup> Samples may be pulled from either the production lot itself or from samples pulled from the lot for major defect testing.

NOTES:

1. Major defect: A major defect is a defect, other than critical, that is likely to result in failure, or to reduce materially the usability of the unit of product for its intended purpose.
2. Minor defect: A minor defect is a defect that is not likely to reduce materially the usability of the unit of product for its intended purpose, or is a departure from established standards having little bearing on the effective use or operation of the unit.

4.5.1.3 Group B inspection. Group B inspection shall consist of the inspections specified in table III in the order shown, and shall be made on sample units which have been subjected to and passed the Group A inspection. Connectors having identical piece parts may be combined for lot purposes and shall be in proportion to the quantity of each PIN numbered connector produced.

4.5.1.3.1 Group B sampling plan. A sample of parts shall be randomly selected in accordance with table IIIa. If one or more defects are found, the lot shall be screened for that particular defect and defects removed. After screening and removal of defects, a new sample of parts shall be randomly selected and subjected to all tests in accordance with table IIIa. If one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification.

4.5.1.3.2 Disposition of sample units. Sample units which have passed all the Group B inspection may be delivered on the contract or purchase order if the lot is accepted. Any connector deformed or otherwise damaged during testing shall not be delivered on the contract or order.

TABLE III. Group B inspection.

Inspection	Requirement paragraph	Inspection paragraph
Subgroup 1 Visual and mechanical examination: Outer contact solder joint Assembly and rotation	3.3.3.2.1 3.3.4	4.6.1 4.6.1.3 4.6.1.4
Subgroup 2 Leakage (applicable only to pressurized connectors)	3.5	4.6.3
Subgroup 3 Visual and mechanical examination: Physical dimensions <sup>1/</sup>	3.3	4.6.1 4.5.1.5.1.1.1

<sup>1/</sup> Only those dimensions specified (see 3.1), shall be checked.

Table IIIa. Inspection level.

Lot size	Sample size
1 to 8	5
9 to 15	5
16 to 25	5
26 to 50	5
51 to 90	5
91 to 150	11
151 to 280	13
281 to 500	16
501 to 1,200	19
1,201 to 3,200	23
3,201 to 10,000	29
10,001 to 35,000	35
35,001 to 150,000	40
150,001 to 500,000	40
500,001 to over	40

4.5.1.4 Periodic inspection. Periodic inspection shall consist of Group C. Except where the results of these inspections show noncompliance with the applicable requirements, delivery of products which have passed Groups A and B shall not be delayed pending the results of these periodic inspections.

4.5.1.5 Group C inspection. Group C inspection shall consist of the inspections specified in Table IV. Group C inspection shall be made on sample units selected from inspection lots which have passed the Group A and B inspection.

4.5.1.5.1 Sampling for group C inspection.

4.5.1.5.1.1 Subgroup 1. For this subgroup, six (6) connectors shall be selected from the first units produced or first production lot. Thereafter, for each 500 connectors subsequently produced, piece parts for one sample unit shall be selected.

4.5.1.5.1.1.1 Physical dimensions. To facilitate inspection of the physical dimensions, the un-assembled sample units shall be divided into groups of identical piece parts. Inspection of the physical dimensions shall then be performed on a group-by-group basis.

4.5.1.5.1.2 Subgroup 2. For this subgroup, six (6) connectors shall be selected from the first production lot. For subsequent group C inspection one (1) connector shall be selected every 6 months or every 6,000 units whichever comes first.

4.5.1.5.1.3 Order of inspection within group C. Group C inspection shall be performed in an order which is satisfactory to the Government.

TABLE IV. Group C inspection.

Inspection	Requirement paragraph	Inspection paragraph
Subgroup 1 (unassembled connectors)		
Visual and mechanical examination		4.6.1
Design and construction		
Physical dimensions <sup>1/</sup>	3.3	4.5.1.5.1.1.1
Gage tests for contacts	3.3.3	4.6.1.1 to 4.6.1.1.1.2, incl
Subgroup 2 (assembled connectors)		
Salt spray (corrosion)	3.6	4.6.4

<sup>1/</sup> Only those dimensions related to piece parts (other than gage tests for contacts) shall be checked.

4.5.1.5.2 Noncompliance. If one or more sample units fails to pass Group C inspection, the lot shall be considered to have failed. If a sample fails to pass Group C inspection, the manufacturer shall notify the Contracting Officer and the cognizant inspection activity of such failure and take corrective action on the materials pr processes, or both, as warranted, and on all units of product which can be corrected and which are manufactured under essentially the same materials and processes, and which are considered subjected to the same failure. Acceptance and shipment of product shall be discontinued until corrective action acceptable to the Contracting Officer has been taken. After the corrective action has been taken, Group C inspection shall be repeated on additional sample units (all tests and examinations, or the test which the original sample failed, at the option of the Contracting Officer). Groups A and B inspections may be re-instituted; however, final acceptance and shipment shall be withheld until the Group C inspection has shown that the corrective action was successful. In the event of failure after re-inspection, information concerning the failure shall be furnished to the cognizant activity and the Contracting Officer.

4.5.1.5.3 Re-inspection of conforming Group C sample units. Unless otherwise specified, sample units which have been subjected to and passed Group C inspection may be accepted on the contract provided all damage is repaired and the sample units are re-subjected to and pass Group A inspection.

4.5.1.5.4 Disposition of group C sample units. Unless otherwise specified, sample units which have been subjected to and passed group C inspection may be delivered in the contract, provided sample units meet requirements of 4.5.1.5.3.

#### 4.6 Methods of examination and test.

4.6.1 Visual and mechanical examination. Connectors shall be examined to verify that the design, construction, physical dimensions, marking and workmanship are in accordance with the applicable requirements. (See 3.1, 3.3 to 3.3.4, incl, 3.7, and 3.8.)

##### 4.6.1.1 Gage tests for contacts of rubber-insert type (piece parts)

4.6.1.1.1 Center contacts (female). The center contacts shall be subjected to the gage tests specified in 4.6.1.1.1.1 and 4.6.1.1.1.2, as applicable, prior to assembling the center contact in the connector. The pins used in the performance of these tests may be tapered at their ends to facilitate insertion, but the tapered portions shall not be included in the specified dimensions. (See 3.3.3.1.)

4.6.1.1.1.1 Test 1. A pin 0.098 inch minimum in diameter shall be inserted into the center contact to a depth of not less than .187 inch, and then removed. All four contact members shall make contact with a pin 0.072 inch maximum in diameter, within 1/32 inch of their tip ends, when this pin is inserted to a minimum depth of 3/16 inch.

4.6.1.1.1.2 Test 2. When a pin 0.082 inch minimum in diameter is inserted to a minimum depth of .25 inch, the contact shall pass through a cylindrical hole 0.128 inch maximum in diameter and ½ inch minimum in length, when a maximum force of 2 pounds is applied. This test shall be applied only to those connectors with removable female contacts.

##### 4.6.1.2 Gage test for contacts of rubber-insert type (assembled connectors).

4.6.1.2.1 Center contacts (female). The center contacts shall accept a pin 0.072 inch diameter, when a minimum force of 1 pound is applied (see 3.3.3.1).

4.6.1.2.2 Outer contacts. The outer contacts assembled to the body shall be subjected to the gage test specified in 4.6.1.2.2.1 And 4.6.1.2.2.2. (See 3.3.3.2.)

4.6.1.2.2.1 Test 1. All contact fingers of the outer spring of the plug shall make contact with a ring having a minimum inside diameter of 0.820 inch when this ring is placed over the assembly of the body and spring.

4.6.1.2.2.2 Test 2. The outer contacts shall be inserted into a polished sleeve 0.810 inch maximum in inside diameter to a minimum depth of .437 inch. The contacts shall then disengage from the sleeve when a maximum pressure of 4 pounds is applied.

4.6.1.3 Outer contact solder joint. A withdrawal force of 25 pounds shall be applied to the outer contact. The force shall be applied to and in the direction away from the connector body and along the longitudinal axis. (See 3.3.3.2.1.)

4.6.1.4 Assembly and rotation. The assembled coupling nut shall be subjected to a force of 100 pounds gradually applied relative to and in a direction from the connector body and along a

longitudinal axis. A torque shall then be applied to the coupling nut about the axis of symmetry. The torque shall be measured with a 0-2 inch-pound torque wrench. (See 3.3.4.)

4.6.2 Dielectric withstanding voltage (see 3.4). Connectors shall be tested in accordance with method 301 of Standard MIL-STD-202. The following details shall apply:

(a) Special preparations or conditions:

1. The maximum relative humidity shall be 50 percent. When facilities are not available at this test condition, connectors shall be tested at room ambient relative humidity. In case of dispute, if the test has been made at room ambient relative humidity, retest shall be made at 50 percent maximum relative humidity.
2. The center contact of plug connectors and receptacle connectors shall be positioned in such a manner as to simulate actual assembly conditions.
3. Precautions shall be taken to prevent air-gap voltage breakdowns.
4. The voltage shall be metered on the high side of the transformer.

(b) Magnitude of test voltage – (See 3.1.)

(c) Nature of potential – Alternating current.

(d) Points of application of test voltage – Between the center contact and the body.

4.6.3 Leakage (applicable only to pressurized connectors). The connectors shall be subjected to a gage pressure of 50 pounds-per-square-inch applied to one end, and the whole connector immersed in water at approximately 20°C. The connector shall remain immersed in water for at least 20 seconds. (See 3.5.)

4.6.4 Salt spray (corrosion). Connectors shall be tested in accordance with method 101, test condition B, of Standard MIL-STD-202. At the conclusion of this test, the connectors shall be washed, shaken, air blasted, and then permitted to dry for 24 hours at 40°C. The connectors shall then be examined for evidence of corrosion. (See 3.6.)

4.7 Conformance inspection of preparation for delivery. Preparation for delivery shall be in accordance with the requirements of section 5.

## 5. PACKAGING

5.1 Packaging requirements. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

## 6. NOTES

6.1 Intended use. Connectors covered by this specification are intended for use in radio frequency applications up to 100 megahertz. They are designed for use with radiofrequency pulse cables. Their use is governed by temperature limitation of materials, and they are not recommended for use in applications where temperatures exceed 125°C.

6.2 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Title, number, and date of the applicable detail specification, and the complete type designation. (See 1.2.1 and 3.1.)

- (c) That the supplier can not substitute for a specified material or combination of fabricated parts see 3.3) unless he obtains approval from the Government. Evidence to substantiate his claim that such a substitution is suitable must be submitted with his request. Similar notification and substantiating evidence should be submitted at any later time if substitution becomes necessary or desirable. At the discretion of the Government, sample units may be required to prove the suitability of the proposed substitute.
- (d) Levels of preservation and packaging and packing, and applicable marking. (See sect 5.)

6.3 Engineering information. Illustrations and additional engineering information for this series of connectors are available in the Armed Services Index of R. F. Transmission Lines and Fittings, copies of which are available upon request from the Armed Services Electro-Standards Agency (ASESA), Fort Monmouth, N. J.

6.4 Subject term (key word) listing.

Contact  
Marking  
Voltage standing wave ratio (VSWR)

Notice. When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

Custodians:

Army – CR  
Air Force – 11  
Navy – EC  
DLA - CC

Preparing activity:

DLA – CC  
(Project 5935-4428-000)

Review activities

Army – AR, MI  
Air Force - 99

**STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL**

**INSTRUCTIONS**

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7, and send to preparing activity.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

<b>I RECOMMEND A CHANGE:</b>	<b>1. DOCUMENT NUMBER</b> MIL-DTL-3607B	<b>2. DOCUMENT DATE</b> (2002/12/13)
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**3. DOCUMENT TITLE**

**Connectors, Coaxial, Radio Frequency, Series Pulse, General Specification**

**4. NATURE OF CHANGE** (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

**5. REASON FOR RECOMMENDATION**

**6. SUBMITTER**

a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include zip code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) DSN (if applicable)	7. DATE SUBMITTED (YYYYMMDD)	

**8. PREPARING ACTIVITY**

a. NAME <b>Defense Logistics Agency Defense Supply Center, Columbus</b>	b. TELEPHONE (Include Area Code) (1) Commercial <b>614-692-0538</b> (2) DSN <b>850-0538</b>
c. ADDRESS (Include Zip Code) <b>DSCC-VAI P.O. Box 3990 Columbus, Ohio 43216-5000</b>	<b>IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:</b> <b>Defense Standardization Program Office (DLSC-LM) 8725 John J. Kingman Road, Suite 2533 Fort Belvoir, Virginia 22060-6621 Telephone (703) 767-6888 DSN 427-6888</b>