

MIL-STD-1353B  
NOTICE 1  
30 August 1983

MILITARY STANDARD  
ELECTRICAL CONNECTORS, PLUG-IN SOCKETS  
AND ASSOCIATED HARDWARE, SELECTION AND USE OF

TO ALL HOLDERS OF MIL-STD-1353B:

1. THE FOLLOWING PAGES OF MIL-STD-1353B HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

<u>NEW PAGE</u>	<u>DATE</u>	<u>SUPERSEDED PAGE</u>	<u>DATE</u>
1	2 July 1980	REPRINTED WITHOUT CHANGE	2 July 1980
2 through 14	30 August 1983	2 through 14	2 July 1980
102.57		102.57	2 July 1980

2. THE FOLLOWING SECTION HAS BEEN REVISED AND SUPERSEDES THE SECTION LISTED:

<u>NEW SECTION</u>	<u>DATE</u>	<u>SUPERSEDED SECTION</u>	<u>DATE</u>
101	30 August 1983	101	2 July 1980

3. RETAIN THIS NOTICE AND INSERT BEFORE THE TABLE OF CONTENTS.

4. Holders of MIL-STD-1353B will verify that page changes indicated above have been entered. This notice page will be retained as a check sheet. This issuance, together with appended pages, is a separate publication. Each notice is to be retained by stocking points until the Military Standard is completely revised or canceled.

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

Preparing activity:  
Navy - EC

(Project 5935-3267)

Review activities:  
Army - AT, MI, AV  
Navy - AS  
Air Force - 10, 11, 99  
DLA - ES

User activities:  
Army - CR  
Navy - CG, MC

Agent:  
DLA - ES

FSC 5935

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## 1. SCOPE

1.1 Scope. This standard establishes requirements for selection of electrical connectors, plug-in sockets, and their associated hardware, shown in detail in sections 100, 200, 300, and 400, for use in military equipment. Included are the following:

- a. Selected electrical connector types and associated hardware chosen jointly by the Departments of the Army, the Navy, and the Air Force for use in the design of military equipment.
- b. Guides for the choice and application of electrical connectors and associated hardware for use in military equipment.

Complete detailed requirements for electrical connectors, plug-in sockets, and associated hardware listed in this standard are covered in the applicable specification sheets or MS sheets (see 4.2). When it has been determined that equipment requirements cannot be met by using the connector styles or characteristics listed in this standard, the design engineer with the approval of the cognizant military activity, should select from the applicable connector specification, styles or characteristics not listed herein.

1.2 Purpose of standard. The purpose of this standard is to promote the use of standard parts for new equipment design. The standard parts cover the majority of uses and are arranged in a form for quick references and selection. The applicable connector specification shall be used for specific design details.

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## 2. REFERENCED DOCUMENTS

2.1 Issues of documents. The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this standard to the extent specified herein.

## SPECIFICATIONS

## FEDERAL

WC596 - Connector, Plug, Receptacle and Cable Outlet, Electrical Power, General Specification for.

## MILITARY

MIL-C-17 - Cable, Radio Frequency, Flexible and Semirigid, General Specification for.

MIL-C-3432 - Cable and Wire, Electrical (Power and Control; Semiflexible, Flexible and Extra-flexible, 300 and 600 Volts).

MIL-C-5015 - Connectors, Electrical, Circular Threaded, General Specification for.

MIL-C-21097 - Connector, Electrical, Printed Wiring Board, General Purpose, General Specification for.

MIL-C-22992 - Connectors, Plugs, and Receptacles, Electrical, Waterproof, Quick Disconnect, Heavy Duty Type, General Specification for.

MIL-C-24308 - Connectors, Electrical, Rectangular, Miniature Polarized Shell, Rack and Panel, General Specification for.

MIL-C-28731 - Connectors, Electrical, Rectangular, Removable Contact, Formed Blade, Fork Type (For Rack and Panel and other Applications), General Specification for.

MIL-C-28748 - Connectors, Electrical, Rectangular, Rack and Panel, Solder Type and Crimp Type Contacts.

MIL-C-28804 - Connectors, Electric, Rectangular, High Density, Polarized Center Jackscrew, General Specification for.

MIL-C-38999 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, General Specification for.

MIL-C-39012 - Connectors, Coaxial, Radio Frequency, General Specification for.

MIL-C-39024 - Connectors, Electrical: Jacks, Tip (Test Point, Panel or Printed Wiring Type), General Specification for.

MIL-C-39029/4 - Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-26482 Series 2, MIL-C-81703 Series 3, MIL-C-83733, and MIL-C-83723 Series 3 Connectors).

MIL-C-39029/5 - Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-26482 Series 2, MIL-C-81703 Series 3, MIL-C-83733, and MIL-C-83723 Series 3 Connectors).

MIL-C-39029/11 - Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-81659 Series 2 Connectors).

MIL-C-39029/12 - Contacts, Electrical Connectors, Socket, Crimp Removable, (For MIL-C-81659 Series 2 Connectors).

MIL-C-39029/28 - Contacts, Electrical Connector, Pin, Crimp Removable, Shielded, (For MIL-C-38999 Series I, II, III and IV Connectors).

MIL-C-39029/29 - Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-5015 MS3450 Series and MIL-C-83723 Series 2 Connectors).

MIL-C-39029/30 - Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-5015 MS3450 Series and MIL-C-83723 Series 2 Connectors).

MIL-C-39029/44 - Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-5015 Series MS3400 Connectors).

MIL-C-39029/45 - Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-5015 Series MS3400 Connectors).

MIL-C-39029/48 - Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-22992 Class L Connectors).

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MIL-C-39029/49	-	Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-22992 Class L Connectors).
MIL-C-39029/50	-	Contacts, Electrical Connector, Pin, Crimp Removable, Shielded, (For MIL-C-83733 Connectors).
MIL-C-39029/51	-	Contacts, Electrical Connector, Socket, Crimp Removable, Shielded, (For MIL-C-83733 Connectors).
MIL-C-39029/56	-	Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-38999 Series I, II and IV Connectors).
MIL-C-39029/57	-	Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-24308, MIL-C-55302/68, /71, /72, /75, MIL-C-38999 Series II and MIL-C-83733 Connectors).
MIL-C-39029/58	-	Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-24308, MIL-C-55302/69, MIL-C-38999 Series I, II, III and IV, and MIL-C-83733 Connectors).
MIL-C-39029/59	-	Contacts, Electrical Connector, Socket, Crimp Removable, Shielded, (For MIL-C-38999 Series I Connectors).
MIL-C-39029/60	-	Contacts, Electrical Connector, Pin, Crimp Removable, Shielded, (For MIL-C-38999 Series I Connectors).
MIL-C-39029/63	-	Contacts, Electrical Connector, Socket, Crimp Removable (For MIL-C-24308 Connectors).
MIL-C-39029/64	-	Contacts, Electrical Connector, Pin, Crimp Removable, (For MIL-C-24308 Connectors).
MIL-C-39029/75	-	Contacts, Electrical Connector, Socket, Crimp Removable, Shielded, Size 12 (For MIL-C-38999 Series I, II, III and IV Connectors).
MIL-C-39029/76	-	Contacts, Electrical Connector, Pin, Crimp Removable, Shielded, Size 16 (For MIL-C-38999 Series I, II, III and IV and MIL-C-24308 Connectors).
MIL-C-39029/77	-	Contacts, Electrical Connector, Socket, Crimp Removable, Shielded, Size 16 (For MIL-C-38999 Series I, III and IV Connectors).
MIL-C-39029/78	-	Contacts, Electrical Connector, Socket, Crimp Removable, Shielded, Size 16 (For MIL-C-38999 Series II and MIL-C-24308 Connectors).
MIL-C-55302	-	Connectors, Printed Circuit Subassembly and Accessories.
MIL-C-81659	-	Connectors, Electrical, Rectangular, Environment Resistant, Crimp Contacts, General Specification for.
MIL-C-83502	-	Socket, Plug In Electric Components, Round Style, General Specification for.
MIL-C-83505	-	Socket, (Lead, Electronic Components) General Specification for.
MIL-C-83723	-	Connector, Electric, Circular, Environment Resisting, General Specification for.
MIL-C-83733	-	Connectors, Electrical, Miniature, Rectangular Type, Rack to Panel, Environment Resisting, 200°C Total Continuous Operating Temperature, General Specification for.
MIL-C-83734	-	Socket, Plug-in, Electronic Components, General Specification for.

# STANDARDS

## MILITARY

MIL-STD-255	-	Electric Voltages Alternating and Direct Current.
MIL-STD-1531	-	Insert Arrangements for MIL-C-83733 Rack to Panel Connectors, Shell Size A.
MIL-STD-1532	-	Insert Arrangements for MIL-C-83733 Rack to Panel Connectors, Shell Size B.
MIL-STD-1554	-	Insert Arrangements for MIL-C-83723 (Series 3 and MIL-C-26500 Environment Resisting, Circular, Electrical Connectors).
MIL-STD-1560	-	Insert Arrangements for MIL-C-38999 and MIL-C-27599 Electrical, Circular Connectors.
MIL-STD-1632	-	Insert Arrangements for MIL-C-28804, High Density, Rectangular, Electrical Connectors.

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- MIL-STD-1646 - Servicing Tools for Electric Contacts and Connections, Selection and Use of.
- MIL-STD-1651 - Insert Arrangements for MIL-C-5015, MIL-C-22992 (Classes C, J, and R) and MIL-C-83723 (Series II) Electric Connectors.
- MS3157 - Insert Arrangements, MIL-C-81659 Electric Connector, Series 1 and 2.
- MS3400 - Connectors, Receptacle, Electric, Wall Mounting, Front Release, Crimp Contact, AN Type.
- MS3401 - Connectors, Receptacle, Electric, Cable Connecting, Front Release, Crimp Contact, AN Type.
- MS3402 - Connectors, Receptacle, Electric, Box Mounting, Front Release, Crimp Contact, AN Type.
- MS3404 - Connectors, Receptacle, Electric, Jam Nut Mounting, Front Release, Crimp Contact, AN Type.
- MS3406 - Connectors, Plug, Electric, Front Release, Crimp Contact, AN Type.
- MS3450 - Connectors, Receptacle, Electric, Wall Mounting, Rear Release, Crimp Contact, AN Type.
- MS3451 - Connectors, Receptacle, Electric, Cable Connecting, Rear Release, Crimp Contact, AN Type.
- MS3452 - Connectors, Receptacle, Electric, Box Mounting, Rear Release, Crimp Contact, AN Type.
- MS3454 - Connectors, Receptacle, Electric, Jam Nut Mounting, Rear Release, Crimp Contact, AN Type.
- MS3456 - Connectors, Plug, Electric, Rear Release, Crimp Contact, AN Type.
- MS3459 - Connectors, Plug, Electric, Self-Locking Coupling Nut, Rear Release, Crimp Contact, AN Type.
- MS14004 - Insert Arrangements, Electrical Connector, Shell Size 6.
- MS14054 - Insert Arrangements, Electrical Connector, Size 28, Class L, 40 Amps.
- MS14055 - Insert Arrangements, Electrical Connector, Size 44, Class L, 100 Amps.
- MS14057 - Insert Arrangements, Electrical Connector, Size 52, Class L, 200 Amps.
- MS14058 - Connector, Electric, Rectangular Miniature, Polarized Shell, Rack and Panel, Shell Receptacle, Socket Contacts Straight Printed Circuit Board Termination Type.
- MS14059 - Connector, Electric, Rectangular Miniature, Polarized Shell, Rack, Plug, Pin Contacts, Printed Circuit Board Termination Types.
- MS17343 - Connector, Receptacle, Electrical, Wall Mounting.
- MS17344 - Connector, Plug, Electrical, Straight.
- MS17345 - Connector, Plug, Electrical, Cable Connecting (Female).
- MS17346 - Connector, Receptacle, Electrical Box Mounting.
- MS17347 - Connector, Receptacle, Electrical Jam-Nut.
- MS17348 - Connector, Receptacle, Electrical Jam-Nut (Box).
- MS17778 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 104 (Size 16 Crimp Removable) Pin Contacts.
- MS17779 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 104 (Size 16 Crimp Removable) Socket Contacts.
- MS18155 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 10 (Size 16 Crimp Removable) Pin Contacts.
- MS18156 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 10 (Size 16 Crimp Removable) Socket Contacts.
- MS18157 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical 20 (Size 16 Crimp Removable) Pin Contacts.
- MS18158 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 20 (Size 16 Crimp Removable) Socket Contacts.
- MS18159 - Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 36 (Size 16 Crimp Removable) Pin Contacts.

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MS18160	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 36 (Size 16 Crimp Removable) Socket Contacts.
MS18161	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 52 (Size 16 Crimp Removable) Pin Contacts.
MS18162	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 52 (Size 16 Crimp Removable) Socket Contacts.
MS18163	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 80 (Size 16 Crimp Removable) Pin Contacts.
MS18164	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 80 (Size 16 Crimp Removable) Socket Contacts.
MS18165	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 158 (Size 16 Crimp Removable) Pin Contacts.
MS18166	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 158 (Size 16 Crimp Removable) Socket Contacts.
MS18167	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 212 (Size 16 Crimp Removable) Pin Contacts.
MS18168	-	Insert (Insulator), Rectangular Connector, Polarized Center Screwlock, Electrical, 212 (Size 16 Crimp Removable) Socket Contacts.
MS18269	-	Connector, Electric, Rectangular, Miniature, Polarized Shell, Rack and Panel, Shell Receptacle Socket Contacts, Solder Type.
MS18270	-	Connectors, Electric, Rectangular, Miniature, Polarized Shell, Rack and Panel, Shell Receptacle, Socket Contacts, Crimp Type.
MS18271	-	Connectors, Electric, Rectangular, Miniature, Polarized Shell, Rack and Panel, Shell, Plug, Pin Contacts, Crimp Type.
MS18272	-	Connector, Electric, Rectangular, Miniature Polarized Shell, Rack and Panel, Shell, Plug Hermetic Pin Contacts, Class H.
MS18273	-	Insert Arrangement, Electrical Connector, Shell Size 1.
MS18274	-	Insert Arrangements, Electrical Connector, Shell Size 2.
MS18275	-	Insert Arrangements, Electrical Connector, Shell Size 3.
MS18276	-	Insert Arrangements, Electrical Connector, Shell Size 4.
MS18277	-	Insert Arrangements, Electrical Connector, Shell Size 5.
MS18281	-	Contacts, Pin and Socket Classes G, N, and H Solder Type, Non-Removable.
MS27466	-	Connector, Receptacle, Electrical Wall Mounting Flange, Crimp Type, Bayonet Coupling.
MS27467	-	Connector, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling.
MS27468	-	Connector, Receptacle, Electrical, Jam Nut Mounting, Crimp Type Bayonet Coupling.
MS27469	-	Connector, Receptacle, Electrical, Wall Mounting Flange, Solder Type, Hermetic Seal.
MS27470	-	Connector, Receptacle, Electrical, Jam Nut Mounting, Solder Type, Hermetic Seal.
MS27471	-	Connector, Receptacle, Electrical, Solder Mounting, Solder Type, Hermetic Seal.
MS27496	-	Connector, Receptacle, Electrical, Box Mounting, Crimp Type, Bayonet Coupling.
MS27505	-	Connector, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling.
MS27656	-	Connector, Receptacle, Electrical, Back Panel Wall Mounting Flange, Crimp Type, Bayonet Coupling.
MS27661	-	Connector, Plug, Electrical, Crimp Type, Lanyard Release, Fail-Safe, Series I.
MS90555	-	Connector, Receptacle, Electrical Wall Mounting Class L (Power Source Receptacle).
MS90556	-	Connector, Plug, Electrical, Straight, Class L.

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- MS90557 - Connector, Plug, Electrical, Cable Connecting (Without Coupling Ring), Class L.
- MS90558 - Connector, Receptacle, Electrical, Wall Mounting (With Coupling Ring), Class L (Equipment Receptacle).
- MS90565 - Insert Arrangements, Electrical Connector, Size 32, Class L, 60 Amps.
- DOD-C-38999/20 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Wall Mounting Flange, Triple Start Threaded Coupling, Removable Crimp Contacts, Series III, Metric.
- DOD-C-38999/21 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Box Mounting Flange, Hermetic, Triple Start Threaded Coupling, Hermetic Solder Contacts, Series III, Metric.
- DOD-C-38999/23 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Jam-Nut Mounting, Hermetic, Triple Start Threaded Coupling, Hermetic Solder Contacts, Series III, Metric.
- DOD-C-38999/24 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Jam-Nut Mounting, Triple Start Threaded Coupling, Removable Crimp Contacts, Series III, Metric.
- DOD-C-38999/25 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Solder Mounting, Hermetic, Triple Start Threaded Coupling, Hermetic Solder Contacts, Series III, Metric.
- DOD-C-38999/26 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Plug, Straight, Triple Start Threaded Coupling, Removable Crimp Contacts, Series III, Metric.
- DOD-C-38999/29 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Plug, Lanyard Release, Fail-Safe, Triple Start Threaded Coupling, Removable Crimp Contacts, Pins, Series III, Metric.
- DOD-C-38999/30 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Plug, Lanyard Release, Fail-Safe, Triple Start Threaded Coupling, Removable Crimp Contacts, Sockets, Series III, Metric.
- DOD-C-38999/40 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Wall Mounting Flange, Breech Coupling, Removable Crimp Contacts, Series IV, Metric.

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- DOD-C-38999/41 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Box Mounting Flange, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
- DOD-C-38999/42 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Box Mounting Flange, Breech Coupling, Removable Crimp Contacts, Series IV, Metric.
- DOD-C-38999/43 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Jam-Nut Mounting, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
- DOD-C-38999/44 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Jam-Nut Mounting, Breech Coupling, Removable Crimp Contacts, Series IV, Metric.
- DOD-C-38999/45 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Solder Mounting, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
- DOD-C-38999/46 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Plug, Breech Coupling, EMI Grounding, Removable Crimp Contacts, Series IV, Metric.
- DOD-C-38999/47 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Plug, Breech Coupling, Removable Crimp Contacts, Series IV, Metric.
- DOD-C-38999/48 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, Weld Mounting Hermetic, Breech Coupling, Hermetic Solder Contacts Series IV, Metric.
- DOD-C-38999/49 - Connectors, Electrical, Circular, Miniature, High Density, Quick Disconnect (Bayonet, Threaded, and Breech Coupling), Environment Resistant, Removable Crimp and Hermetic Solder Contacts, Receptacle, in Line Cable, Breech Coupling, Removable Crimp Contacts, Series, IV, Metric.

(Copies of specifications, standards, drawings, and publications required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

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## 3. DEFINITIONS

3.1 A list of terms used in this standard which are commonly used in electrical connector engineering practice and generally accepted by the electrical and electronic industries are as follows:

- a. Adapter. An intermediate device to provide for attaching special accessories or to provide special mounting means.
- b. Aerospace. Includes both airborne and space applications (see the definitions of "airborne" and "space").
- c. Airborne. Denotes applications peculiar to aircraft and missiles or other systems designed for operation primarily within the earth's atmosphere.
- d. Ambient temperature. The temperature of the environment, usually air, surrounding a connector.
- e. Back-mounted. A connector mounted from the inside of a panel or box with its mounting flange inside the equipment.
- f. Barrel.
  - (1) Conductor barrel. The section of the terminal, splice or contact that accommodates the stripped conductor.
  - (2) Insulation barrel. The section of the terminal, splice or contact that accommodates the conductor insulation.
- g. Barrel chamfer. Bevel at the end of the conductor barrel for easier entry of the conductor.
- h. Basis metal. Metal from which the connector components are made and on which one or more metals or coatings may be deposited.
- i. Bayonet coupling, rotary. A quick coupling device for mating connectors utilizing pins on a connector and ramps on the mating connector. Mating and unmating is accomplished by rotating the coupling ring.
- j. Belled mouth (bellmouth). The flared or wide entrance of a terminal, splice or contact barrel to permit easier insertion of the conductor.
- k. Bifurcated contact. Describes lengthwise slotting of a flat spring contact as used in a printed circuit edge connector.
- l. Body, connector. The main portion of a connector to which contacts and other components are attached. This term is not used with connectors incorporating nonintegral shells in their construction.
- m. Boot. A form placed around the wire terminations of a multiple contact connector as a protective housing or as a container for potting compound.
- n. Braid. Flexible conductor made of a woven or braided assembly of fine wires.
- o. Busing. The joining of two or more circuits.
- p. Butting dies. Crimping dies so designed that the nest and indenter touch at the end of the crimping cycle. (Also called bottoming dies.)
- q. Cable clamp. A mechanical clamp attached to the cable side of the connector to support the cable or wire bundle, provide strain relief, and absorb vibration and shock otherwise transmitted by the cable to the contact/wire connection.
- r. Cable sealing clamp. A device consisting of a gland nut and sealing member designed to seal around a single jacket cable.

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- s. Cable shielding clamp. A device consisting of a sealing member and cable support designed to terminate the screen (shield) of an electrical cable.
- t. Circumferential crimp. The type of crimp where the crimping dies completely surround a barrel resulting in symmetrical indentations in the barrel.
- u. Closed entry. A contact or contact cavity design in the insert or body of the connector which limits the size or position of the mating contact or printed circuit board to a predetermined dimension.
- v. Color coding. A system of identification of terminals and related devices.
- w. Conductor stop. A device on a terminal, splice, contact or tool used to prevent excessive extension of the conductor barrel.
- x. Connector, electrical. A device, either a plug or a receptacle, used to terminate or connect the conductors of individual wires or in cables and which provides a means to continue the conductors to a mating connector or printed circuit board.
- y. Connector set, electrical. Two or more separate connectors, plug connector and receptacle connector, designed to be mated together. The set may include mixed connectors mated together, such as one connector plug and one dummy connector receptacle, connector receptacle and one dummy electrical plug.
- z. Contact. The conductive element in a connector which makes actual contact for the purpose of transferring electrical energy.
- aa. Contact area. The area in contact between two conductors, two contacts, or a conductor and a contact permitting the flow of electricity.
- ab. Contact arrangement. The number, spacing and arrangement of contacts in a connector.
- ac. Contact engaging and separating force. Force needed to either engage or separate contacts to mating contacts or gage pins.
- ad. Contact float. The overall side play axial movement and/or angular displacement of contacts within the insert cavity.
- ae. Contact resistance. Electrical resistance of a pair of engaged contacts. Resistance may be measured in ohms or millivolt drop at a specified current over the engaged contacts.
- af. Contact retainer. A device either on the contact or in the insert to retain the contact in an insert or body.
- ag. Contact retention. The axial load in either direction which a contact can withstand without being dislodge from its normal position within an insert or body.
- ah. Contact size. An assigned number denoting the size of the contact engaging end.
- ai. Contact wipe. The distance of travel (electrical engagement) made by one contact with another during its engagement or separation or during mating or unmating of the connector halves.
- aj. Coupling ring. That portion of a plug which aids in the mating or unmating of a plug and receptacle and holds the plug to the receptacle.
- ak. Coupling, self-locking. A device on a plug connector which contains means to automatically secure the coupling to the receptacle, and prevent any coupling rotation during shock and vibration.
- al. Cover, electrical connector. An item which is specifically designed to cover the mating end of a connector for mechanical and/or environmental protection.

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- am. Creep distance. The shortest distance on the surface of an insulator separating two electrically conductive surfaces.
- an. Crimp. The physical compression (deformation) of a contact barrel around a conductor in order to make an electrical connection.
- ao. Crimping. A pressure method of mechanically securing a terminal, splice or contact to a conductor.
- ap. Crimping dies. Portion of the crimping tool that shapes the crimp.
- aq. Crimping tool. Mechanism used for crimping.
- ar. Cutout, connector. The hole, usually round or rectangular, cut in a metal panel for mounting a connector. May include holes for mounting screws or bolts.
- as. Depth of crimp. The distance the indenter penetrates into the barrel.
- at. Dielectric. A material having electrical insulating properties.
- au. Dummy connector assembly, electrical. Two or more electrical dummy connectors having a common mounting or mounted on each other, each one capable of being independently replaced. Excludes items which are furnished as mated pairs or sets.
- av. Dummy connector, receptacle. A connector receptacle which does not have provisions for attaching conductors. It is generally used for storage of a cable assembly connector plug.
- aw. Dust cover. (See cover, electrical connector.)
- ax. Environmentally sealed. A device that is provided with gaskets, seals, grommets, potting or other means to keep out moisture, dirt, air or dust which might reduce its performance. Does not include nonphysical environments such as RF and radiation.
- ay. Extraction tool. A device used for removing removable contacts from a connector. A device used for removing taper pins from taper pin receptacles.
- az. Ferrule. A short tube. Used to make connections to shielded or coaxial cables. Also used in connectors to reduce transmission of torque to grommet.
- ba. Flange, connector. A projection extending from or around the periphery of a connector with provisions to permit mounting the connector to a panel.
- bb. Front mounted. A connector mounted on the outside of a panel or box with its mounting flange outside the equipment.
- bc. Full cycling control. Controls placed on the crimping cycle of crimping tools forcing the tool to be closed to its fullest extent completing the crimping cycle before the tool can be opened.
- bd. Gang disconnect. A connector that permits the rapid and simultaneous disconnection of two or more electrical circuits.
- be. Grid spaced. When contacts in a multiple contact connector are spaced in a geometric pattern.
- bf. Grommet, connector. An elastomeric seal used on the cable side of a connector to seal the connector against moisture, dirt and air.
- bg. Guide pin. A pin or rod extending beyond the mating faces of a connector designed to guide the closing or mating of the connector to ensure proper engagement of contacts.
- bh. Head assembly. A positioner designed to attach to a crimping tool in place of a turret head.

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- bf. Hermaphroditic connector. A connector design which utilizes contacts in a balanced arrangement such that both mating connectors are identical. The contacts may also be hermaphroditic, and may be arranged as male and female contacts as for pins and sockets. Hermaphroditic contacts may also be used in a manner such that one half of each contact mating surface protrudes beyond the connector interface and both mating connectors are identical.
- bj. Hermaphroditic contacts. A contact design which is neither pin nor socket and which mates with other contacts of the same design.
- bk. Housing, connector, electrical. Connector less insert, but with insert-retaining and positioning hardware required by standard construction.
- bl. Indenter. The part of a crimping tool, usually the moving part, that compresses indentations in the contact conductor barrel.
- bm. Insert, electrical connector. An insulating element with or without contact(s), designed to position and support contacts in a connector.
- bn. Insertion tool. A device used to insert contacts into a connector. A device used to insert taper pins into taper pin receptacles.
- bo. Inspection hole. A hole placed at one end of a barrel to permit visual inspection to see that the conductor has been inserted to the proper depth in the barrel prior to crimping.
- bp. Insulation support. The portion of a barrel similar to an insulation grip except that it is not compressed around the conductor insulation.
- bq. Interface. The two surfaces on the contact side of mating connectors or plug-in component (e.g., relay) and receptacle, which face each other when mated.
- br. Interfacial seal. A sealing of mated connectors over the whole area of the interface to provide sealing around each contact.
- bs. Jacket. The outermost layer of insulating Material of a cable or wire.
- bt. JackscREW (screwlock). A screw attached to one-half of a two piece multiple contact connector used to draw and hold both halves together and to separate them.
- bu. Key. A short pin or other projection that slides in a mating slot, hole, groove or keyway to guide two parts being assembled. Generally used in shell-enclosed connectors to obtain polarization.
- bv. Keyway. A slot or groove in which a key slides.
- bw. Lanyard release. A plug connector which may be separated from a counterpart receptacle by axial pull of an attached lanyard.
- bx. Locking springs. (See contact retainer).
- by. Locator. The part of the crimping die, positioner or turret head that places the terminal, splice or contact in the correct crimping area of the crimping tool or die.
- bz. Mate. The joining of two connectors.
- ca. Mold, potting, electrical connector. An item, solid or split, designed to be used as a hollow form into which potting compound is injected and allowed to cure or set to seal the back of an electrical connector. The potting may eliminate the need for a back shell of the connector. The form may or may not be removable after potting.
- cb. Nest. The portion of a crimping die which supports the barrel during crimping.

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- cc. Nick (notch). A cut or notch in conductor strands or insulation.
- cd. Operating temperature. The maximum internal temperature resistant capabilities of a connector in continuous service.
- ce. Panel. The side or front of a piece of equipment, usually metal, on which connectors are mounted.
- cf. Pigtail. A short wire extending from an electric or electronic device to serve as a jumper or ground connection.
- cg. Pin contact. A contact having an engagement end that enters the socket contact.
- ch. Plating. The overlaying of a thin coating of metal on metallic components to improve conductivity, provide for easy soldering or prevent rusting or corrosion.
- ci. Plug connector. An electrical fitting with pin, socket, or pin and socket contacts, constructed to be affixed to the end of a cable, conduit, coaxial line, cord, or wire for convenience in joining with another electrical connector(s), and not designed to be mounted on a bulkhead, chassis or panel.
- cj. Polarize. The arrangement of mating connectors such that the connector can be mated in only one way.
- ck. Polarizing pin, key or keyway. A device incorporated in a connector to accomplish polarization.
- cl. Positioner. A device that is attached to a crimping tool and locates the contact in the correct location for crimping. It is usually interchangeable with other positioners.
- cm. Post insulate. To insulate a connection after assembly.
- cn. Potting. The permanent sealing of the cable end of a connector with a compound or material to exclude moisture and/or to provide a strain relief.
- co. Potting form. (Not preferred - see mold, potting, electrical connector.)
- cp. Pre-insulate. The insulation of a connector prior to assembly of the contact or terminal on the conductor.
- cq. Pre-tinned. Solder applied to either or both the contact and conductor prior to soldering.
- cr. Pull-out force. Force necessary to separate a conductor from a contact or terminal, or a contact from a connector, by exerting a tensile pull.
- cs. Quick disconnect. A type of connector or splice which permits relatively rapid locking and unlocking of mating parts.
- ct. Rack. A type of structure used to house electronic components which permits convenient removal of portions of equipment.
- cu. Ram. The moving portion in the head of a crimping tool.
- cv. Range, wire. The sizes of conductors accommodated by a particular barrel. Also the diameters of wires accommodated by a sealing grommet.
- cw. Ratchet control. A device to ensure the full crimping cycle of a crimping tool.
- cx. Receptacle, connector. An electrical fitting with contacts constructed to be electrically connected to a cable, coaxial line, cord or wire to join with another electrical connector(s), and is designed to be mounted on a bulkhead, wall, chassis, or panel.

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- cy. Scoop-proof. Scoop-proof means that because of the connector long shell design, it is impossible for the mating plug connector to inadvertently be cocked into the mating receptacle and damage the pins or electrically short the contacts.
- cz. Screwlock. (See jackscrew).
- da. Seamless terminal or splice. Terminal or splice conductor barrel made without an open seam.
- db. Serrations. Deformation of the inside surface of a conductor barrel to provide better gripping of the conductor or on the outside of the connector body to provide better gripping of the connector.
- dc. Service life. A period of time which a device is expected to perform satisfactorily.
- dd. Service rating. The maximum voltage or current which a connector is designed to carry continuously.
- de. Shell, electrical connector. The outside case of a connector into which the dielectric material and contacts are assembled.
- df. Shield, electrical connector. An item especially designed to be placed around that portion of a connector which contains the facilities for attaching wires or cables. It is used for shielding against electrical interference or mechanical injury and usually has provisions for passage of the wire or cable.
- dg. Shroud, insulation. (See insulation support).
- dh. Slotted tongue. A slotted tongue for sliding onto the screw or stud so that neither screw nor unit needs removing.
- di. Sockets. For plug in devices, for use on panel boards, printed circuit boards, and microelectronic components.
- dj. Socket contact. A contact having an engagement end that will accept entry of a pin contact.
- dk. Solder cup. The end of a terminal or contact in which the conductor is inserted prior to being soldered.
- dl. Solder eye. A solder type contact provided with a hole at its end through which a wire can be inserted prior to being soldered.
- dm. Solderless connection. The joining of two metals by pressure means without the use of solder, braze or any method requiring heat.
- dn. Solderless wrap. A technique of connecting stripped solid wire to a terminal post containing a series of sharp edges by winding the wire around the terminal.
- do. Space. Denotes applications peculiar to spacecraft and systems designed for operation near or beyond the upper reaches of the earth's atmosphere.
- dp. Spade tongue terminal. Slotted tongue terminal designed to slip around a screw or stud without removing the nut.
- dq. Splice. Device used to join two or more conductors to each other.
- dr. Stop plate (see locator). A device attached to a crimping tool to properly locate a terminal, splice or contact in the tool prior to crimping.
- ds. Strain relief clamp. (See cable clamp).

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- dt. Strip. To remove insulation from a conductor.
- du. Threaded coupling. A means of coupling mating connectors by engaging threads in a coupling ring with threads on a receptacle shell.
- dv. Turret head. A device that is attached to a crimping tool which contains more than one locator and allows the locators to be rotated to hold a contact in the correct position for crimping. It is usually interchangeable with other turret heads and head assemblies.
- dw. Umbilical connector. A connector used to connect cables to a rocket or missile prior to launching and which is unmated from the missile at the time of launching.
- dx. Wiping action (see contact wipe). Action of two electrical contacts which come in contact by sliding against each other.
- dy. Work curve. A graph which plots the pull out force and relative conductivity of a crimp joint as a function of various depths of crimping.
- dz. Working voltage (see service rating). Maximum voltage at which a connector is rated to operate.

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# SECTION 101

## CONNECTORS, CYLINDRICAL, GENERAL DUTY

(Applicable specifications: MIL-C-5015, MIL-C-38999,  
and MIL-C-83723)

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
MIL-C-5015	- This specification covers "AN" type electrical connectors, plugs, and receptacles.		101.4
MS3400's	- Crimp contacts, front release Contact sizes: 0, 4, 8, 12, 16 Temperature range: -55°C to +175°C Coupling: Threaded Hi-impact shock shell.	ARMY: Not for use. NAVY: For shipboard jacketed cable applications only. AIR FORCE: Not for use.	101.6
MS3450's	- Crimp contacts, rear release Contact sizes: 0, 4, 8, 12, 16 Temperature range: Class: L: -55°C to +200°C electroless nickel. For "space" applications only. W: -55°C to +175°C cadmium over suitable underplate. K: -55°C to +200°C firewall Coupling: Threaded.	NAVY: Classes W and K are only acceptable for hookup wire applications. Not for shipboard jacketed cable applications. AIR FORCE: Not for use except where 0, 4, and 8 size contacts are required.	101.11
MIL-C-38999	- This specification covers miniature, high density, quick disconnect, bayonet, threaded, or breech coupling, circular, environment resistant, electrical connectors using removable crimp or fixed hermetic solder contacts, and are capable of continuous operation within a temperature range of -65°C (-85°F) to +200°C (392°F) for electroless nickel finish and -65°C (-85°F) to +175°C (347°F) for cadmium finish. EMI shielding capabilities are also included.		101.25
Series 1	- Crimp contacts, rear release. Solder contacts, hermetics only. Scoop proof. Contact sizes: 12, 16, 20, 22D Temperature ranges: Finish: B: -65°C to +175°C, Olive drab cadmium plate over a suitable underplate (conductive). D: -65°C to 150°C, Fused tin, carbon steel (conductive). F: -65°C to +200°C, Electroless nickel coating (conductive) For "space" applications only. Coupling: Bayonet.	ARMY: For ground equipment only. NAVY: Not for use.	101.31

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<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
Series III -	<p>Crimp contacts, rear release. Solder contacts - hermetics only. Scoop-proof. Contact sizes: 12, 16, 20, 22D Temperature ranges: Class: F: -65°C to +200°C Electroless nickel coating (conductive). For "space" applications only. K: -65°C to +200°C Corrosion resistant steel passivated (conductive). W: -65°C to +175°C Olive drab cadmium plate over a suitable underplate (conductive). Y: -65°C to +200°C Corrosion resistant steel passivated (conductive). Coupling: Threaded, triple start, self locking.</p>	<p>NAVY: Not for shipboard jacketed cable applications. Connectors with finish "W" are acceptable for hookup wire applications.</p>	101.39
Series IV -	<p>Crimp contacts, rear release. Solder contacts, hermetics only. Scoop-proof. Contact sizes: 12, 16, 20, 22D Temperature ranges: Class: F: -65°C to +200°C Electroless nickel coating (conductive). For "space" applications only. W: -65°C to +175°C. Olive drab cadmium plate over a suitable underplate (conductive) Y: -65°C to +200°C Corrosion resistant steel passivated (conductive). Coupling: Self-locking breech coupling.</p>	<p>NAVY: Not for shipboard jacketed cable applications.</p>	101.49
MIL-C-83723 -	<p>This specification covers the general requirements for environment resisting, circular, electrical connectors and their associated contacts and accessories. These connectors shall utilize crimp or solder (class H only) contacts and be capable of continuous operation within the temperature range of -65°C (-85°F) to +200°C (392°F).</p>		101.57

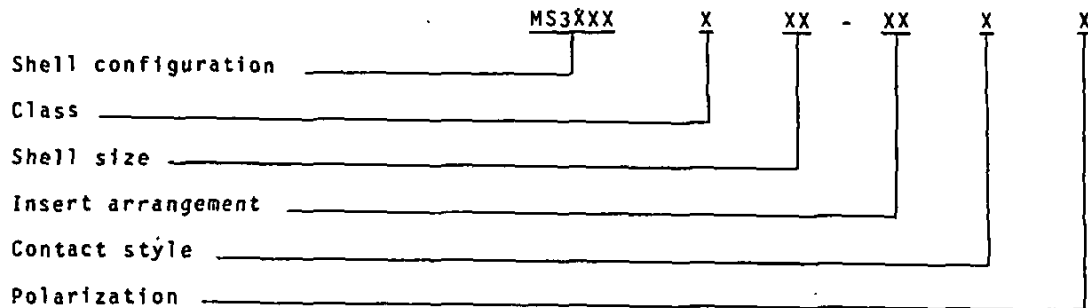
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<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
Series III -	Crimp contacts, rear release Solder contacts - hermetics only. Contact sizes: 12, 16, 20 Temperature ranges: Class: H: -65°C to +150°C (Hermetic) tin/cold rolled steel K: -65°C to +200°C (Firewall) stainless steel passivated R: -65°C to +200°C Electroless nickel/aluminum For "space" applications only. S: -65°C to +200°C (Firewall) plug and receptacle, RFI grounding self locking plug) Stainless steel passivated. W: -65°C to +175°C Cadmium over suitable underplate aluminum Coupling: Threaded and bayonet.	ARMY: Not for use. NAVY: Not for use.	101.59

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# MIL-C-5015 PART NUMBER SYSTEM

Part No. example: MS3400D22-22S



Shell configuration:	Front release crimp	Rear release crimp
Wall mounting receptacle	MS3400	MS3450
Box mounting receptacle	MS3402	MS3452
Jam nut mounting receptacle	MS3404	MS3454
Straight plug	MS3406	MS3456
Self-locking plug	-	MS3459
Cable connecting receptacle	MS3401	MS3451

## Class:

D - Environment resisting - High impact shock	MS3400	
L - Environment resisting - Fluid resistant (electroless N) For "space" applications only.		
W - Environment resisting - Fluid resistant (Cad OD over suitable underplate)		MS3450
KS - Firewall, self-locking, stainless steel		
KT - Firewall, self-locking, cadmium plated ferrous alloy		

Shell size: Shell size in 16th of an inch.

Insert arrangements: See MIL-STD-1651.

## Contact style:

- P - Pin contact - MIL-C-39029/29 and /44.
- S - Socket contact - MIL-C-39029/30 and /45.

Polarization: Normal polarization is considered preferred; however, alternate polarizations, when required by a system, do not require nonstandard part approval.

Standard connectors: See table 101-1.

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<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
MS3400	- Crimp contacts, front release. Contact sizes: 0, 4, 8, 12, 16 Temperature range: -55°C to +175°C Couplings: Threaded High-impact shock shell.	ARMY: Not for use. NAVY: For shipboard jacketed cable applications only. AIR FORCE: Not for use.	101.6
MS3450	- Crimp contacts, rear release Contact sizes: 0, 4, 8, 12, 16 Temperature range: Class: L: -55°C to +200°C electroless nickel. For "space" applications only. W: -55°C to +175°C cadmium over suitable underplate. K: -55°C to +200°C firewall Coupling: Threaded	NAVY: Class W and K are only acceptable for hookup wire applications: Not for shipboard jacketed cable applications. AIR FORCE: Not for use except where 0, 4, and 8 size contacts are required	101.11

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TABLE 101-1. Standard connectors, MIL-C-5015 type.

Number of contacts	Contact size (number)	MIL-C-5015 part number
FRONT RELEASE CRIMP TYPE		
2	16	MS3400D12S-3P
"	"	MS3400D12S-3S
"	"	MS3401D12S-3P
"	"	MS3401D12S-3S
"	"	MS3402D12S-3P
"	"	MS3402D12S-3S
"	"	MS3404D12S-3P
"	"	MS3404D12S-3S
"	"	MS3406D12S-3P
"	"	MS3406D12S-3S
"	"	MS3400D16S-4P
"	"	MS3400D16S-4S
"	"	MS3401D16S-4P
"	"	MS3401D16S-4S
"	"	MS3402D16S-4P
"	"	MS3402D16S-4S
"	"	MS3404D16S-4P
"	"	MS3404D16S-4S
"	"	MS3406D16S-4P
"	"	MS3406D16S-4S
3	8	MS3400D22-2P
"	"	MS3400D22-2S
"	"	MS3401D22-2P
"	"	MS3401D22-2S
"	"	MS3402D22-2P
"	"	MS3402D22-2S
"	"	MS3404D22-2P
"	"	MS3404D22-2S
"	"	MS3406D22-2P
"	"	MS3406D22-2S
"	12	MS3400D16-10P
"	"	MS3400D16-10S
"	"	MS3401D16-10P
"	"	MS3401D16-10S
"	"	MS3402D16-10P
"	"	MS3402D16-10S
"	"	MS3404D16-10P
"	"	MS3404D16-10S
"	"	MS3406D16-10P
"	"	MS3406D16-10S
"	16	MS3400D14S-7P
"	"	MS3400D14S-7S
"	"	MS3401D14S-7P
"	"	MS3401D14S-7S
"	"	MS3402D14S-7P
"	"	MS3402D14S-7S
"	"	MS3404D14S-7P
"	"	MS3404D14S-7S
"	"	MS3406D14S-7P
"	"	MS3406D14S-7S
"	"	MS3400D10SL-3P
"	"	MS3400D10SL-3S
"	"	MS3401D10SL-3P
"	"	MS3401D10SL-3S
"	"	MS3402D10SL-3P
"	"	MS3402D10SL-3S
"	"	MS3404D10SL-3P
"	"	MS3404D10SL-3S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
FRONT RELEASE CRIMP TYPE		
3	16	MS3406D10SL-3P
"	"	MS3406D10SL-3S
"	"	MS3400D12S-3P
"	"	MS3400D12S-3S
"	"	MS3401D12S-3P
"	"	MS3401D12S-3S
"	"	MS3402D12S-3P
"	"	MS3402D12S-3S
"	"	MS3404D12S-3P
"	"	MS3404D12S-3S
"	"	MS3406D12S-3P
"	"	MS3406D12S-3S
4	4	MS3400D32-17P
"	"	MS3400D32-17S
"	"	MS3401D32-17P
"	"	MS3401D32-17S
"	"	MS3402D32-17P
"	"	MS3402D32-17S
"	"	MS3404D32-17P
"	"	MS3404D32-17S
"	"	MS3406D32-17P
"	"	MS3406D32-17S
"	8	MS3400D22-22P
"	"	MS3400D22-22S
"	"	MS3401D22-22P
"	"	MS3401D22-22S
"	"	MS3402D22-22P
"	"	MS3402D22-22S
"	"	MS3404D22-22P
"	"	MS3404D22-22S
"	"	MS3406D22-22P
"	"	MS3406D22-22S
"	12	MS3400D18-10P
"	"	MS3400D18-10S
"	"	MS3401D18-10P
"	"	MS3401D18-10S
"	"	MS3402D18-10P
"	"	MS3402D18-10S
"	"	MS3404D18-10P
"	"	MS3404D18-10S
"	"	MS3406D18-10P
"	"	MS3406D18-10S
"	"	MS3400D20-4P
"	"	MS3400D20-4S
"	"	MS3401D20-4P
"	"	MS3401D20-4S
"	"	MS3402D20-4P
"	"	MS3402D20-4S
"	"	MS3404D20-4P
"	"	MS3404D20-4S
"	"	MS3406D20-4P
"	"	MS3406D20-4S
"	16	MS3400D18-4P
"	"	MS3400D18-4S
"	"	MS3401D18-4P
"	"	MS3401D18-4S
"	"	MS3402D18-4P
"	"	MS3402D18-4S
"	"	MS3404D18-4P
"	"	MS3404D18-4S



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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
FRONT RELEASE CRIMP TYPE		
4	16	MS3406D18-4P
4	16	MS3406D18-4S
5	12	MS3400D18-11P
"	"	MS3400D18-11S
"	"	MS3401D18-11P
"	"	MS3401D18-11S
"	"	MS3402D18-11P
"	"	MS3402D18-11S
"	"	MS3404D18-11P
"	"	MS3404D18-11S
"	"	MS3406D18-11P
"	"	MS3406D18-11S
7	16	MS3400D16S-1P
"	"	MS3400D16S-1S
"	"	MS3401D16S-1P
"	"	MS3401D16S-1S
"	"	MS3402D16S-1P
"	"	MS3402D16S-1S
"	"	MS3404D16S-1P
"	"	MS3404D16S-1S
"	"	MS3406D16S-1P
"	"	MS3406D16S-1S
14	"	MS3400D20-27P
"	"	MS3400D20-27S
"	"	MS3401D20-27P
"	"	MS3401D20-27S
"	"	MS3402D20-27P
"	"	MS3402D20-27S
"	"	MS3404D20-27P
"	"	MS3404D20-27S
"	"	MS3406D20-27P
"	"	MS3406D20-27S
17	"	MS3400D20-29P
"	"	MS3400D20-29S
"	"	MS3401D20-29P
"	"	MS3401D20-29S
"	"	MS3402D20-29P
"	"	MS3402D20-29S
"	"	MS3404D20-29P
"	"	MS3404D20-29S
"	"	MS3406D20-29P
"	"	MS3406D20-29S
19	"	MS3400D22-14P
"	"	MS3400D22-14S
"	"	MS3401D22-14P
"	"	MS3401D22-14S
"	"	MS3402D22-14P
"	"	MS3402D22-14S
"	"	MS3404D22-14P
"	"	MS3404D22-14S
"	"	MS3406D22-14P
"	"	MS3406D22-14S
24	"	MS3400D24-28P
"	"	MS3400D24-28S
"	"	MS3401D24-28P
"	"	MS3401D24-28S
"	"	MS3402D24-28P
"	"	MS3402D24-28S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
FRONT RELEASE CRIMP TYPE		
24	16	MS3404D24-28P
"	"	MS3404D24-28S
"	"	MS3406D24-28P
"	"	MS3406D24-28S
26	12	MS3400D28-12P
"	"	MS3400D28-12S
"	"	MS3401D28-12P
"	"	MS3401D28-12S
"	"	MS3402D28-12P
"	"	MS3402D28-12S
"	"	MS3404D28-12P
"	"	MS3404D28-12S
"	"	MS3406D28-12P
"	"	MS3406D28-12S
37	16	MS3400D28-21P
"	"	MS3400D28-21S
"	"	MS3401D28-21P
"	"	MS3401D28-21S
"	"	MS3402D28-21P
"	"	MS3402D28-21S
"	"	MS3404D28-21P
"	"	MS3404D28-21S
"	"	MS3406D28-21P
"	"	MS3406D28-21S
48	"	MS3400D36-10P
"	"	MS3400D36-10S
"	"	MS3401D36-10P
"	"	MS3401D36-10S
"	"	MS3402D36-10P
"	"	MS3402D36-10S
"	"	MS3404D36-10P
"	"	MS3404D36-10S
"	"	MS3406D36-10P
"	"	MS3406D36-10S
54	"	MS3400D32-22P
"	"	MS3400D32-22S
"	"	MS3401D32-22P
"	"	MS3401D32-22S
"	"	MS3402D32-22P
"	"	MS3402D32-22S
"	"	MS3404D32-22P
"	"	MS3404D32-22S
"	"	MS3406D32-22P
"	"	MS3406D32-22S
60	"	MS3400D40-62P
"	"	MS3400D40-62S
"	"	MS3401D40-62P
"	"	MS3401D40-62S
"	"	MS3402D40-62P
"	"	MS3402D40-62S
"	"	MS3404D40-62P
"	"	MS3404D40-62S
"	"	MS3406D40-62P
"	"	MS3406D40-62S
85	"	MS3400D40-56P
"	"	MS3400D40-56S
"	"	MS3401D40-56P
"	"	MS3401D40-56S

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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
FRONT RELEASE CRIMP TYPE		
85	16	MS3402D40-56P
"	"	MS3402D40-56S
"	"	MS3404D40-56P
"	"	MS3404D40-56S
"	"	MS3406D40-56P
"	"	MS3406D40-56S
104	"	MS3400D44-52P
"	"	MS3400D44-52S
"	"	MS3401D44-52P
"	"	MS3401D44-52S
"	"	MS3402D44-52P
"	"	MS3402D44-52S
"	"	MS3404D44-52P
"	"	MS3404D44-52S
"	"	MS3406D44-52P
"	"	MS3406D44-52S
8	(1)-12(D), (7)-12(A)	MS3400D22-23P
"	"	MS3400D22-23S
"	"	MS3401D22-23P
"	"	MS3401D22-23S
"	"	MS3402D22-23P
"	"	MS3402D22-23S
"	"	MS3404D22-23P
"	"	MS3404D22-23S
"	"	MS3406D22-23P
"	"	MS3406D22-23S
10	(4)-16(A), (6)-16(INST)	MS3400D18-1P
"	"	MS3400D18-1S
"	"	MS3401D18-1P
"	"	MS3401D18-1S
"	"	MS3402D18-1P
"	"	MS3402D18-1S
"	"	MS3404D18-1P
"	"	MS3404D18-1S
"	"	MS3406D18-1P
"	"	MS3406D18-1S

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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
1	16	MS3450L8S-1P
"	"	MS3450L8S-1S
"	"	MS3450W8S-1P
"	"	MS3450W8S-1S
"	"	MS3451L8S-1P
"	"	MS3451L8S-1S
"	"	MS3451W8S-1P
"	"	MS3451W8S-1S
"	"	MS3452L8S-1P
"	"	MS3452L8S-1S
"	"	MS3452W8S-1P
"	"	MS3452W8S-1S
"	"	MS3454L8S-1P
"	"	MS3454L8S-1S
"	"	MS3454W8S-1P
"	"	MS3454W8S-1S
"	"	MS3456L8S-1P
"	"	MS3456L8S-1S
"	"	MS3456W8S-1P
"	"	MS3456W8S-1S
2	"	MS3450L12S-3P
"	"	MS3450L12S-3S
"	"	MS3450W12S-3P
"	"	MS3450W12S-3S
"	"	MS3451L12S-3P
"	"	MS3451L12S-3S
"	"	MS3451W12S-3P
"	"	MS3451W12S-3S
"	"	MS3452L12S-3P
"	"	MS3452L12S-3S
"	"	MS3452W12S-3P
"	"	MS3452W12S-3S
"	"	MS3454L12S-3P
"	"	MS3454L12S-3S
"	"	MS3454W12S-3P
"	"	MS3454W12S-3S
"	"	MS3456L12S-3P
"	"	MS3456L12S-3S
"	"	MS3456W12S-3P
"	"	MS3456W12S-3S
"	"	MS3459KS12S-3P
"	"	MS3459KS12S-3S
"	"	MS3459KT12S-3P
"	"	MS3459KT12S-3S
"	12	MS3450L16-11P
"	"	MS3450L16-11S
"	"	MS3450W16-11P
"	"	MS3450W16-11S
"	"	MS3451L16-11P
"	"	MS3451L16-11S
"	"	MS3451W16-11P
"	"	MS3451W16-11S
"	"	MS3452L16-11P
"	"	MS3452L16-11S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
2	12	MS3452W16-11P
"	"	MS3452W16-11S
"	"	MS3454L16-11P
"	"	MS3454L16-11S
"	"	MS3454W16-11P
"	"	MS3454W16-11S
"	"	MS3456L16-11P
"	"	MS3456L16-11S
"	"	MS3456W16-11P
"	"	MS3456W16-11S
3	8	MS3450L22-2P
"	"	MS3450L22-2S
"	"	MS3450W22-2P
"	"	MS3450W22-2S
"	"	MS3451L22-2P
"	"	MS3451L22-2S
"	"	MS3451W22-2P
"	"	MS3451W22-2S
"	"	MS3452L22-2P
"	"	MS3452L22-2S
"	"	MS3452W22-2P
"	"	MS3452W22-2S
"	"	MS3454L22-2P
"	"	MS3454L22-2S
"	"	MS3454W22-2P
"	"	MS3454W22-2S
"	"	MS3456L22-2P
"	"	MS3456L22-2S
"	"	MS3456W22-2P
"	"	MS3456W22-2S
"	12	MS3450L16-10P
"	"	MS3450L16-10S
"	"	MS3450W16-10P
"	"	MS3450W16-10S
"	"	MS3451L16-10P
"	"	MS3451L16-10S
"	"	MS3451W16-10P
"	"	MS3451W16-10S
"	"	MS3452L16-10P
"	"	MS3452L16-10S
"	"	MS3452W16-10P
"	"	MS3452W16-10S
"	"	MS3454L16-10P
"	"	MS3454L16-10S
"	"	MS3454W16-10P
"	"	MS3454W16-10S
"	"	MS3456L16-10P
"	"	MS3456L16-10S
"	"	MS3456W16-10P
"	"	MS3456W16-10S
"	16	MS3450L10SL-3P
"	"	MS3450L10SL-3S
"	"	MS3450W10SL-3P
"	"	MS3450W10SL-3S
"	"	MS3451L10SL-3P
"	"	MS3451L10SL-3S
"	"	MS3451W10SL-3P
"	"	MS3451W10SL-3S

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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
3	16	MS3452L10SL-3P
"	"	MS3452L10SL-3S
"	"	MS3452W10SL-3P
"	"	MS3452W10SL-3S
"	"	MS3454L10SL-3P
"	"	MS3454L10SL-3S
"	"	MS3454W10SL-3P
"	"	MS3454W10SL-3S
"	"	MS3456L10SL-3P
"	"	MS3456L10SL-3S
"	"	MS3456W10SL-3P
"	"	MS3456W10SL-3S
"	"	MS3459KS10SL-3P
"	"	MS3459KS10SL-3S
"	"	MS3450L14S-7P
"	"	MS3450L14S-7S
"	"	MS3450W14S-7P
"	"	MS3450W14S-7S
"	"	MS3452L14S-7P
"	"	MS3452L14S-7S
"	"	MS3452W14S-7P
"	"	MS3452W14S-7S
"	"	MS3454L14S-7P
"	"	MS3454L14S-7S
"	"	MS3454W14S-7P
"	"	MS3454W14S-7S
"	"	MS3456L14S-7P
"	"	MS3456L14S-7S
"	"	MS3456W14S-7P
"	"	MS3456W14S-7S
4	0	MS3450L36-5P
"	"	MS3450L36-5S
"	"	MS3450W36-5P
"	"	MS3450W36-5S
"	"	MS3451L36-5P
"	"	MS3451L36-5S
"	"	MS3451W36-5P
"	"	MS3451W36-5S
"	"	MS3452L36-5P
"	"	MS3452L36-5S
"	"	MS3452W36-5P
"	"	MS3452W36-5S
"	"	MS3454L36-5P
"	"	MS3454L36-5S
"	"	MS3454W36-5P
"	"	MS3454W36-5S
"	"	MS3456L36-5P
"	"	MS3456L36-5S
"	"	MS3456W36-5P
"	"	MS3456W36-5S
"	4	MS3450L32-17P
"	"	MS3450L32-17S
"	"	MS3450W32-17P
"	"	MS3450W32-17S
"	"	MS3451L32-17P
"	"	MS3451L32-17S
"	"	MS3451W32-17P
"	"	MS3451W32-17S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued...

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
4	4	MS3452L32-17P
"	"	MS3452L32-17S
"	"	MS3452W32-17P
"	"	MS3452W32-17S
"	"	MS3454L32-17P
"	"	MS3454L32-17S
"	"	MS3454W32-17P
"	"	MS3454W32-17S
"	"	MS3456L32-17P
"	"	MS3456L32-17S
"	"	MS3456W32-17P
"	"	MS3456W32-17S
"	8	MS3450L22-22P
"	"	MS3450L22-22S
"	"	MS3450W22-22P
"	"	MS3450W22-22S
"	"	MS3451L22-22P
"	"	MS3451L22-22S
"	"	MS3451W22-22P
"	"	MS3451W22-22S
"	"	MS3452L22-22P
"	"	MS3452L22-22S
"	"	MS3452W22-22P
"	"	MS3452W22-22S
"	"	MS3454L22-22P
"	"	MS3454L22-22S
"	"	MS3454W22-22P
"	"	MS3454W22-22S
"	"	MS3456L22-22P
"	"	MS3456L22-22S
"	"	MS3456W22-22P
"	"	MS3456W22-22S
"	"	MS3454L24-22P
"	"	MS3454L24-22S
"	"	MS3454W24-22P
"	"	MS3454W24-22S
"	"	MS3456L24-22P
"	"	MS3456L24-22S
"	"	MS3456W24-22P
"	"	MS3456W24-22S
"	"	MS3450L24-22P
"	"	MS3450L24-22S
"	"	MS3450W24-22P
"	"	MS3450W24-22S
"	"	MS3451L24-22P
"	"	MS3451L24-22S
"	"	MS3451W24-22P
"	"	MS3451W24-22S
"	"	MS3452L24-22P
"	"	MS3452L24-22S
"	"	MS3452W24-22P
"	"	MS3452W24-22S
"	12	MS3450L20-4P
"	"	MS3450L20-4S
"	"	MS3450W20-4P
"	"	MS3450W20-4S



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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
4	12	MS3451L20-4P
"	"	MS3451L20-4S
"	"	MS3451W20-4P
"	"	MS3451W20-4S
"	"	MS3452L20-4P
"	"	MS3452L20-4S
"	"	MS3452W20-4P
"	"	MS3452W20-4S
"	"	MS3454L20-4P
"	"	MS3454L20-4S
"	"	MS3454W20-4P
"	"	MS3454W20-4S
"	"	MS3456L20-4P
"	"	MS3456L20-4S
"	"	MS3456W20-4P
"	"	MS3456W20-4S
"	16	MS3450L14S-2P
"	"	MS3450L14S-2S
"	"	MS3450W14S-2P
"	"	MS3450W14S-2S
"	"	MS3451L14S-2P
"	"	MS3451L14S-2S
"	"	MS3451W14S-2P
"	"	MS3451W14S-2S
"	"	MS3452L14S-2P
"	"	MS3452L14S-2S
"	"	MS3452W14S-2P
"	"	MS3452W14S-2S
"	"	MS3454L14S-2P
"	"	MS3454L14S-2S
"	"	MS3454W14S-2P
"	"	MS3454W14S-2S
"	"	MS3456L14S-2P
"	"	MS3456L14S-2S
"	"	MS3456W14S-2P
"	"	MS3456W14S-2S
"	"	MS3450L18-4P
"	"	MS3450L18-4S
"	"	MS3450W18-4P
"	"	MS3450W18-4S
"	"	MS3451L18-4P
"	"	MS3451L18-4S
"	"	MS3451W18-4P
"	"	MS3451W18-4S
"	"	MS3452L18-4P
"	"	MS3452L18-4S
"	"	MS3452W18-4P
"	"	MS3452W18-4S
"	"	MS3454L18-4P
"	"	MS3454L18-4S
"	"	MS3454W18-4P
"	"	MS3454W18-4S
"	"	MS3456L18-4P
"	"	MS3456L18-4S
"	"	MS3456W18-4P
"	"	MS3456W18-4S

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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
5	12	MS3450L18-11P
"	"	MS3450L18-11S
"	"	MS3450W18-11P
"	"	MS3450W18-11S
"	"	MS3451L18-11P
"	"	MS3451L18-11S
"	"	MS3451W18-11P
"	"	MS3451W18-11S
"	"	MS3452L18-11P
"	"	MS3452L18-11S
"	"	MS3452W18-11P
"	"	MS3452W18-11S
"	"	MS3454L18-11P
"	"	MS3454L18-11S
"	"	MS3454W18-11P
"	"	MS3454W18-11S
"	"	MS3456L18-11P
"	"	MS3456L18-11S
"	"	MS3456W18-11P
"	"	MS3456W18-11S
"	16	MS3450L14S-5P
"	"	MS3450L14S-5S
"	"	MS3450W14S-5P
"	"	MS3450W14S-5S
"	"	MS3451L14S-5P
"	"	MS3451L14S-5S
"	"	MS3451W14S-5P
"	"	MS3451W14S-5S
"	"	MS3452L14S-5P
"	"	MS3452L14S-5S
"	"	MS3452W14S-5P
"	"	MS3452W14S-5S
"	"	MS3454L14S-5P
"	"	MS3454L14S-5S
"	"	MS3454W14S-5P
"	"	MS3454W14S-5S
"	"	MS3456L14S-5P
"	"	MS3456L14S-5S
"	"	MS3456W14S-5P
"	"	MS3456W14S-5S
"	"	MS3459KS14S-5P
"	"	MS3459KS14S-5S
"	"	MS3450L16S-8P
"	"	MS3450L16S-8S
"	"	MS3450W16S-8P
"	"	MS3450W16S-8S
"	"	MS3451L16S-8P
"	"	MS3451L16S-8S
"	"	MS3451W16S-8P
"	"	MS3451W16S-8S
"	"	MS3452L16S-8P
"	"	MS3452L16S-8S
"	"	MS3452W16S-8P
"	"	MS3452W16S-8S
"	"	MS3454L16S-8P
"	"	MS3454L16S-8S

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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
5	16	MS3454W16S-8P
"	"	MS3454W16S-8S
"	"	MS3456L16S-8P
"	"	MS3456L16S-8S
"	"	MS3456W16S-8P
"	"	MS3456W16S-8S
6	"	MS3450L14S-6P
"	"	MS3450L14S-6S
"	"	MS3450W14S-6P
"	"	MS3450W14S-6S
"	"	MS3451L14S-6P
"	"	MS3451L14S-6S
"	"	MS3451W14S-6P
"	"	MS3451W14S-6S
"	"	MS3452L14S-6P
"	"	MS3452L14S-6S
"	"	MS3452W14S-6P
"	"	MS3452W14S-6S
"	"	MS3454L14S-6P
"	"	MS3454L14S-6S
"	"	MS3454W14S-6P
"	"	MS3454W14S-6S
"	"	MS3456L14S-6P
"	"	MS3456L14S-6S
"	"	MS3456W14S-6P
"	"	MS3456W14S-6S
7	8	MS3450L24-10P
"	"	MS3450L24-10S
"	"	MS3450W24-10P
"	"	MS3450W24-10S
"	"	MS3451L24-10P
"	"	MS3451L24-10S
"	"	MS3451W24-10P
"	"	MS3451W24-10S
"	"	MS3452L24-10P
"	"	MS3452L24-10S
"	"	MS3452W24-10P
"	"	MS3452W24-10S
"	"	MS3454L24-10P
"	"	MS3454L24-10S
"	"	MS3454W24-10P
"	"	MS3454W24-10S
"	"	MS3456L24-10P
"	"	MS3456L24-10S
"	"	MS3456W24-10P
"	"	MS3456W24-10S
"	"	MS3459KS24-10P
"	"	MS3459KS24-10S
"	12	MS3450L20-15P
"	"	MS3450L20-15S
"	"	MS3450W20-15P
"	"	MS3450W20-15S
"	"	MS3451L20-15P
"	"	MS3451L20-15S
"	"	MS3451W20-15P
"	"	MS3451W20-15S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.-

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
7	12	MS3452L20-15P
"	"	MS3452L20-15S
"	"	MS3452W20-15P
"	"	MS3452W20-15S
"	"	MS3454L20-15P
"	"	MS3454L20-15S
"	"	MS3454W20-15P
"	"	MS3454W20-15S
"	"	MS3456L20-15P
"	"	MS3456L20-15S
"	"	MS3456W20-15P
"	"	MS3456W20-15S
"	"	MS3459KS20-15P
"	"	MS3459KS20-15S
"	16	MS3450L16S-1P
"	"	MS3450L16S-1S
"	"	MS3450W16S-1P
"	"	MS3450W16S-1S
"	"	MS3451L16S-1P
"	"	MS3451L16S-1S
"	"	MS3451W16S-1P
"	"	MS3451W16S-1S
"	"	MS3452L16S-1P
"	"	MS3452L16S-1S
"	"	MS3452W16S-1P
"	"	MS3452W16S-1S
"	"	MS3454L16S-1P
"	"	MS3454L16S-1S
"	"	MS3454W16S-1P
"	"	MS3454W16S-1S
"	"	MS3456L16S-1P
"	"	MS3456L16S-1S
"	"	MS3456W16S-1P
"	"	MS3456W16S-1S
10	"	MS3450L18-1P
"	"	MS3450L18-1S
"	"	MS3450W18-1P
"	"	MS3450W18-1S
"	"	MS3451L18-1P
"	"	MS3451L18-1S
"	"	MS3451W18-1P
"	"	MS3451W18-1S
"	"	MS3452L18-1P
"	"	MS3452L18-1S
"	"	MS3452W18-1P
"	"	MS3452W18-1S
"	"	MS3454L18-1P
"	"	MS3454L18-1S
"	"	MS3454W18-1P
"	"	MS3454W18-1S
"	"	MS3456L18-1P
"	"	MS3456L18-1S
"	"	MS3456W18-1P
"	"	MS3456W18-1S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
14	16	MS3450L20-27P
"	"	MS3450L20-27S
"	"	MS3450W20-27P
"	"	MS3450W20-27S
"	"	MS3451L20-27P
"	"	MS3451L20-27S
"	"	MS3451W20-27P
"	"	MS3451W20-27S
"	"	MS3452L20-27P
"	"	MS3452L20-27S
"	"	MS3452W20-27P
"	"	MS3452W20-27S
"	"	MS3454L20-27P
"	"	MS3454L20-27S
"	"	MS3454W20-27P
"	"	MS3454W20-27S
"	"	MS3456L20-27P
"	"	MS3456L20-27S
"	"	MS3456W20-27P
"	"	MS3456W20-27S
"	"	MS3459KS20-27P
"	"	MS3459KS20-27S
17	"	MS3450L20-29P
"	"	MS3450L20-29S
"	"	MS3450W20-29P
"	"	MS3450W20-29S
"	"	MS3451L20-29P
"	"	MS3451L20-29S
"	"	MS3451W20-29P
"	"	MS3451W20-29S
"	"	MS3452L20-29P
"	"	MS3452L20-29S
"	"	MS3452W20-29P
"	"	MS3452W20-29S
"	"	MS3454L20-29P
"	"	MS3454L20-29S
"	"	MS3454W20-29P
"	"	MS3454W20-29S
"	"	MS3456L20-29P
"	"	MS3456L20-29S
"	"	MS3456W20-29P
"	"	MS3456W20-29S
19	"	MS3450L22-14P
"	"	MS3450L22-14S
"	"	MS3450W22-14P
"	"	MS3450W22-14S
"	"	MS3451L22-14P
"	"	MS3451L22-14S
"	"	MS3451W22-14P
"	"	MS3451W22-14S
"	"	MS3452L22-14P
"	"	MS3452L22-14S
"	"	MS3452W22-14P
"	"	MS3452W22-14S
"	"	MS3454L22-14P
"	"	MS3454L22-14S
"	"	MS3454W22-14P
"	"	MS3454W22-14S

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TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
19	16	MS3456L22-14P
"	"	MS3456L22-14S
"	"	MS3456W22-14P
"	"	MS3456W22-14S
"	"	MS3459KS22-14P
"	"	MS3459KS22-14S
24	"	MS3450L24-28P
"	"	MS3450L24-28S
"	"	MS3450W24-28P
"	"	MS3450W24-28S
"	"	MS3451L24-28P
"	"	MS3451L24-28S
"	"	MS3451W24-28P
"	"	MS3451W24-28S
"	"	MS3452L24-28P
"	"	MS3452L24-28S
"	"	MS3452W24-28P
"	"	MS3452W24-28S
"	"	MS3454L24-28P
"	"	MS3454L24-28S
"	"	MS3454W24-28P
"	"	MS3454W24-28S
"	"	MS3456L24-28P
"	"	MS3456L24-28S
"	"	MS3456W24-28P
"	"	MS3456W24-28S
"	"	MS3459KS24-28P
"	"	MS3459KS24-28S
26	"	MS3450L28-12P
"	"	MS3450L28-12S
"	"	MS3450W28-12P
"	"	MS3450W28-12S
"	"	MS3451L28-12P
"	"	MS3451L28-12S
"	"	MS3451W28-12P
"	"	MS3451W28-12S
"	"	MS3452L28-12P
"	"	MS3452L28-12S
"	"	MS3452W28-12P
"	"	MS3452W28-12S
"	"	MS3454L28-12P
"	"	MS3454L28-12S
"	"	MS3454W28-12P
"	"	MS3454W28-12S
"	"	MS3456L28-12P
"	"	MS3456L28-12S
"	"	MS3456W28-12P
"	"	MS3456W28-12S
37	"	MS3450L28-21P
"	"	MS3450L28-21S
"	"	MS3450W28-21P
"	"	MS3450W28-21S
"	"	MS3451L28-21P
"	"	MS3451L28-21S
"	"	MS3451W28-21P
"	"	MS3451W28-21S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
37	16	MS3452L28-21P
"	"	MS3452L28-21S
"	"	MS3452W28-21P
"	"	MS3452W28-21S
"	"	MS3454L28-21P
"	"	MS3454L28-21S
"	"	MS3454W28-21P
"	"	MS3454W28-21S
"	"	MS3456L28-21P
"	"	MS3456L28-21S
"	"	MS3456W28-21P
"	"	MS3456W28-21S
"	"	MS3459KS28-21P
"	"	MS3459KS28-21S
48	"	MS3450L36-10P
"	"	MS3450L36-10S
"	"	MS3450W36-10P
"	"	MS3450W36-10S
"	"	MS3451L36-10P
"	"	MS3451L36-10S
"	"	MS3451W36-10P
"	"	MS3451W36-10S
"	"	MS3452L36-10P
"	"	MS3452L36-10S
"	"	MS3452W36-10P
"	"	MS3452W36-10S
"	"	MS3454L36-10P
"	"	MS3454L36-10S
"	"	MS3454W36-10P
"	"	MS3454W36-10S
"	"	MS3456L36-10P
"	"	MS3456L36-10S
"	"	MS3456W36-10P
"	"	MS3456W36-10S
7	(2) - 12, (5) - 16	MS3450L18-9P
"	"	MS3450L18-9S
"	"	MS3450W18-9P
"	"	MS3450W18-9S
"	"	MS3451L18-9P
"	"	MS3451L18-9S
"	"	MS3451W18-9P
"	"	MS3451W18-9S
"	"	MS3452L18-9P
"	"	MS3452L18-9S
"	"	MS3452W18-9P
"	"	MS3452W18-9S
"	"	MS3454L18-9P
"	"	MS3454L18-9S
"	"	MS3454W18-9P
"	"	MS3454W18-9S
"	"	MS3456L18-9P
"	"	MS3456L18-9S
"	"	MS3456W18-9P
"	"	MS3456W18-9S



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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
8	(7) - 16, (1) - 12	MS3450L18-8P
"	"	MS3450L18-8S
"	"	MS3450W18-8P
"	"	MS3450W18-8S
"	"	MS3451L18-8P
"	"	MS3451L18-8S
"	"	MS3451W18-8P
"	"	MS3451W18-8S
"	"	MS3452L18-8P
"	"	MS3452L18-8S
"	"	MS3452W18-8P
"	"	MS3452W18-8S
"	"	MS3454L18-8P
"	"	MS3454L18-8S
"	"	MS3454W18-8P
"	"	MS3454W18-8S
"	"	MS3456L18-8P
"	"	MS3456L18-8S
"	"	MS3456W18-8P
"	"	MS3456W18-8S
14	(12) - 16, (2) - 4	MS3450L32-9P
"	"	MS3450L32-9S
"	"	MS3450W32-9P
"	"	MS3450W32-9S
"	"	MS3451L32-9P
"	"	MS3451L32-9S
"	"	MS3451W32-9P
"	"	MS3451W32-9S
"	"	MS3452L32-9P
"	"	MS3452L32-9S
"	"	MS3452W32-9P
"	"	MS3452W32-9S
"	"	MS3454L32-9P
"	"	MS3454L32-9S
"	"	MS3454W32-9P
"	"	MS3454W32-9S
"	"	MS3456L32-9P
"	"	MS3456L32-9S
"	"	MS3456W32-9P
"	"	MS3456W32-9S
16	(2) - 12, (14) - 16	MS3450L24-7P
"	"	MS3450L24-7S
"	"	MS3450W24-7P
"	"	MS3450W24-7S
"	"	MS3451L24-7P
"	"	MS3451L24-7S
"	"	MS3451W24-7P
"	"	MS3451W24-7S
"	"	MS3452L24-7P
"	"	MS3452L24-7S
"	"	MS3452W24-7P
"	"	MS3452W24-7S
"	"	MS3454L24-7P
"	"	MS3454L24-7S
"	"	MS3454W24-7P
"	"	MS3454W24-7S
"	"	MS3456L24-7P
"	"	MS3456L24-7S
"	"	MS3456W24-7P
"	"	MS3456W24-7S

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TABLE 101-I. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
REAR RELEASE CRIMP TYPE		
22	(4) - 12, (18) - 16	MS3450L28-11P
"	"	MS3450L28-11S
"	"	MS3450W28-11P
"	"	MS3450W28-11S
"	"	MS3451L28-11P
"	"	MS3451L28-11S
"	"	MS3451W28-11P
"	"	MS3451W28-11S
"	"	MS3452L28-11P
"	"	MS3452L28-11S
"	"	MS3452W28-11P
"	"	MS3452W28-11S
"	"	MS3454L28-11P
"	"	MS3454L28-11S
"	"	MS3454W28-11P
"	"	MS3454W28-11S
"	"	MS3456L28-11P
"	"	MS3456L28-11S
"	"	MS3456W28-11P
"	"	MS3456W28-11S
"	"	MS3459KS28-11P
"	"	MS3459KS28-11S
35	(28) - 16, (7) - 12	MS3450L32-7P
"	"	MS3450L32-7S
"	"	MS3450W32-7P
"	"	MS3450W32-7S
"	"	MS3451L32-7P
"	"	MS3451L32-7S
"	"	MS3451W32-7P
"	"	MS3451W32-7S
"	"	MS3452L32-7P
"	"	MS3452L32-7S
"	"	MS3452W32-7P
"	"	MS3452W32-7S
"	"	MS3454L32-7P
"	"	MS3454L32-7S
"	"	MS3454W32-7P
"	"	MS3454W32-7S
"	"	MS3456L32-7P
"	"	MS3456L32-7S
"	"	MS3456W32-7P
"	"	MS3456W32-7S
47	(1) - 12, (46) - 16	MS3459KS36-8P
"	(1) - 12, (46) - 16	MS3459KS36-8S
"	(7) - 12, (40) - 16	MS3450L36-7P
"	"	MS3450L36-7S
"	"	MS3450W36-7P
"	"	MS3450W36-7S
"	"	MS3451L36-7P
"	"	MS3451L36-7S
"	"	MS3451W36-7P
"	"	MS3451W36-7S
"	"	MS3452L36-7P
"	"	MS3452L36-7S
"	"	MS3452W36-7P
"	"	MS3452W36-7S
"	"	MS3454L36-7P

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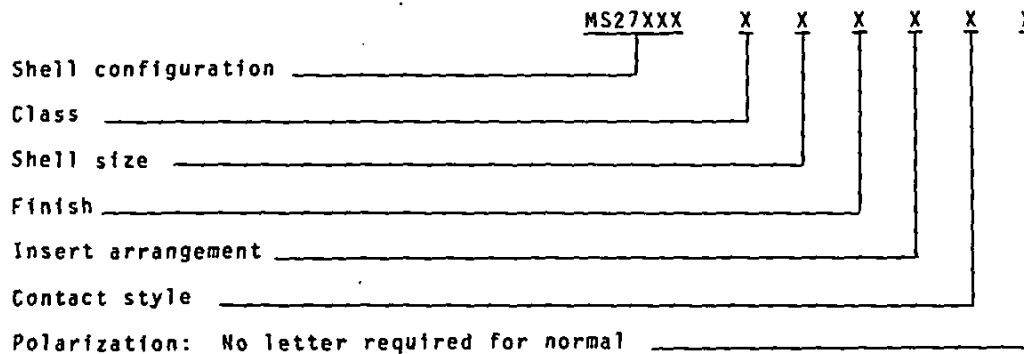
TABLE 101-1. Standard connectors, MIL-C-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-C-5015 part number
	REAR RELEASE CRIMP TYPE	
47	(7) - 12, (40) - 16	MS3454L36-7S
"	"	MS3454W36-7P
"	"	MS3454W36-7S
"	"	MS3456L36-7P
"	"	MS3456L36-7S
"	"	MS3456W36-7P
"	"	MS3456W36-7S

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# MIL-C-38999 PART NUMBER SYSTEM

Series I part No. example: MS27466T9B98P



## Shell configuration:

	Scoop Proof
Wall mount flange receptacle - - - - -	MS27466
Straight plug- - - - -	MS27467 1/
Jam nut mount receptacle - - - - -	MS27468
Wall mount flange (hermetic) - - - - -	MS27469
Jam nut mount receptacle (hermetic)- - - - -	MS27470
Solder mount receptacle (hermetic) - - - - -	MS27471
Box mount receptacle - - - - -	MS27496
Box mount flange receptacle- - - - -	MS27505
Back panel wall mount receptacle - - - - -	MS27656
Lanyard release plug - - - - -	MS27661 1/
Thru bulkhead flange mount receptacle- - - - -	MS27662

Class: E - Environmental resisting (box mount only).  
T - Environmental resisting.  
Y - Hermetically sealed.

Shell size: Shell size in sixteenths of an inch.

Finish: B - Olive-drab cadmium plate over a suitable underplate (conductive).  
D - Fused tin, carbon steel (conductive).  
F - Electroless nickel coating (conductive). For "space" applications only.

Insert arrangement: See MIL-STD-1560.

Contact style: P - Pin contact. MIL-C-39029/28, /58, /60, and /76.  
S - Socket contact. MIL-C-39029/56, /59, /75, and /77.

Polarization: Normal polarization is considered preferred; however, alternate polarizations, when required by a system, do not require nonstandard part approval.

Standard connectors: See table 101-11.

1/ Contains RFI fingers for EMI/RFI suppression.

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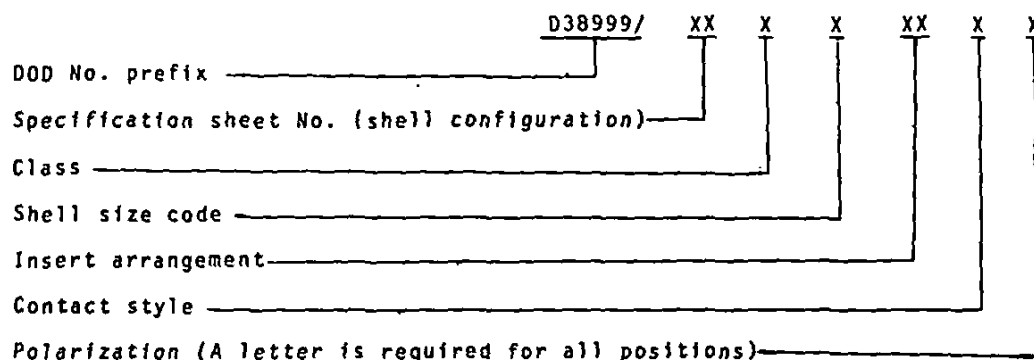
<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
Series I	- Crimp contacts, rear release Solder contacts hermetics only. Scoop-proof. Contact sizes: 12, 16, 20, 220 Temperature ranges: Finish: B: -65°C to +175°C Olive drab cadmium plate over a suitable underplate (conductive). D: -65°C to +150°C Fused tin, carbon, steel (conductive). F: -65°C to +200°C Electroless nickel coating (conductive). For "space" applications only. Coupling: Bayonet.	ARMY: For ground equip- ment only. NAVY: Not for use.	101.31

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## MIL-C-38999 PART NUMBER SYSTEM

Series III part no. example: D38999/26FB35PN



Shell configuration:

Scoop-proof, triple  
start threaded, self locking

Wall mount flange receptacle - - - - -	DOD-C-38999/20
Straight plug - - - - -	DOD-C-38999/26 <u>1/</u>
Jam nut mount receptacle - - - - -	DOD-C-38999/24
Box mount receptacle (hermetic) - - - - -	DOD-C-38999/21
Jam nut mount receptacle (hermetic) - - - - -	DOD-C-38999/23
Solder mount receptacle (hermetic) - - - - -	DOD-C-38999/25
Lanyard release plug (pin contacts) - - - - -	DOD-C-38999/29 <u>1/</u>
Lanyard release plug (socket contacts) - - - - -	DOD-C-38999/30 <u>1/</u>

Class: F - Environment resisting - conductive plating. For "space" applications only.

K - Environment resisting - corrosion resistant steel with firewall barrier.

W - Environment resisting - corrosion resistant plating.

Y - Hermetically sealed - corrosion resistant steel, passivated.

Shell size: A = 9      F = 19  
               B = 11      G = 21  
               C = 13      H = 23  
               D = 15      J = 25  
               E = 17

Finish: Class F: Electroless nickel coating (conductive). For "space" applications only.

Class K: Corrosion resistant steel passivated (conductive).

Class W: Olive drab cadmium plate over a suitable underplate (conductive).

Class Y: Corrosion resistant steel passivated (conductive).

Insert arrangement: See MIL-STD-1560.

Contact style: P - Pin contact MIL-C-39029/28, /58, /60, and /76.

S - Socket contact MIL-C-39029/56, /59, /75, and 77.

Polarization: Normal polarization is considered preferred; however, alternate polarizations, when required by a system, do not require nonstandard part approval.

Standard connectors: See table 101-II.

1/ Contains RFI fingers for EMI/RFI suppression.

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<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
Series III -	Crimp contacts rear release. Solder contacts - hermetics only Scoop-proof. Contact sizes: 12, 16, 20, 22D. Temperature ranges: Class: F: -65°C to +200°C Electroless nickel coating (conductive). For "space" applications only. K: -65°C to +200°C Corrosion resistant steel passivated (conductive). W: -65°C to +175°C Olive drab cadmium plate over a suitable underplate (conductive). Y: -65°C to +200°C Corrosion resistant steel passivated (conductive). Coupling: Threaded, triple start, self-locking.	NAVY: Not for shipboard jacketed cable applications. Connectors with finish "W" are acceptable for hookup wire applications.	101.39

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# MIL-C-38999 PART NUMBER SYSTEM

Series IV part no. example: D38999/41FB35PN

	D38999/	XX	X	X	XX	X	X
DOD No. prefix	_____	_____	_____	_____	_____	_____	_____
Specification sheet No. (shell configuration)	_____	_____	_____	_____	_____	_____	_____
Class	_____	_____	_____	_____	_____	_____	_____
Shell size code	_____	_____	_____	_____	_____	_____	_____
Insert arrangement	_____	_____	_____	_____	_____	_____	_____
Contact style	_____	_____	_____	_____	_____	_____	_____
Polarization: (A letter is required for all positions)	_____	_____	_____	_____	_____	_____	_____

Shell configuration:

	<u>Scoop-proof, Breech lock</u>
Wall mount flange receptacle - - - - -	DOD-C-38999/40
Straight plug - - - - -	DOD-C-38999/47
Jam nut mount receptacle - - - - -	DOD-C-38999/44
Box mount receptacle (hermetic) - - - - -	DOD-C-38999/41
Jam nut mount receptacle (hermetic) - - - - -	DOD-C-38999/43
Solder mount receptacle (hermetic) - - - - -	DOD-C-38999/45
Box mount receptacle - - - - -	DOD-C-38999/42
RFI plug - - - - -	DOD-C-38999/46 <u>1/</u>
Weld mounting receptacle (hermetic) - - - - -	DOD-C-38999/48
In line cable receptacle - - - - -	DOD-C-38999/49

Class: F - Environment resisting - conductive plating. For "space" applications only.

W - Environment resisting - corrosion resistant plating.

Y - Hermetically sealed - corrosion resistant steel, passivated.

Shell size:      A = 9              F = 19  
                    B = 11             G = 21  
                    C = 13             H = 23  
                    D = 15             J = 25  
                    E = 17

Finish: Class F: Electroless nickel coating (conductive). For "space" applications only.

Class W: Olive drab cadmium plate over a suitable underplate (conductive).

Class Y: Corrosion resistant steel passivated (conductive).

Insert arrangement: See MIL-STD-1560.

Contact style: P - Pin contact. MIL-C-39029/28, /58, /60, and /76.

S - Socket contact. MIL-C-39029/56, /59, /75, and /77.

Polarization: Normal polarization is considered preferred; however, alternate polarizations, when required by a system, do not require non-standard part approval.

Standard connectors: See table 101-II.

1/ Contains RFI fingers for EMI/RFI suppression.



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<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
Series IV	<p>Crimp contacts, rear release. Solder contacts, hermetics only Scoop-proof. Contact sizes: 12, 16, 20, 22D. Temperature ranges: Class: F: -65°C to +200°C Electroless nickel coating (conductive). For "space" applications only. W: -65°C to +175°C Olive drab cadmium plate over a suitable underplate (conductive). Y: -65°C to +200°C Corrosion resistant steel passivated (conductive). Coupling: Self-locking breech coupling.</p>	<p>NAVY: Not for shipboard jacketed cable applications.</p>	101.49

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C 1/	200°C
Series I (scoop-proof, bayonet coupling)			
3	20	MS27466T9898P	MS27466T9F98P
"	"	MS27466T9898S	MS27466T9F98S
"	"	MS27467T9898P	MS27467T9F98P
"	"	MS27467T9898S	MS27467T9F98S
"	"	MS27468T9898P	MS27468T9F98P
"	"	MS27468T9898S	MS27468T9F98S
"	"	MS27469Y9D98P	---
"	"	MS27470Y9D98P	---
"	"	MS27471Y9D98P	---
"	"	MS27496E9898P	MS27496E9F98P
"	"	MS27496E9898S	MS27496E9F98S
"	"	MS27505E9898P	MS27505E9F98P
"	"	MS27505T9898S	MS27505E9F98S
"	"	MS27656T9898P	MS27656T9F98P
"	"	MS27656T9898S	MS27656T9F98S
5	16	MS27466T1585P	MS27466T15F5P
"	"	MS27466T1585S	MS27466T15F5S
"	"	MS27467T1585P	MS27467T15F5P
"	"	MS27467T1585S	MS27467T15F5S
"	"	MS27468T1585P	MS27468T15F5P
"	"	MS27468T1585S	MS27468T15F5S
"	"	MS27469Y15D5P	---
"	"	MS27470Y15D5P	---
"	"	MS27471Y15D5P	---
"	"	MS27496E1585P	MS27496E15F5P
"	"	MS27496E1585S	MS27496E15F5S
"	"	MS27505E1585P	MS27505E15F5P
"	"	MS27505E1585S	MS27505E15F5S
"	"	MS27656T1585P	MS27656T15F5P
"	"	MS27656T1585S	MS27656T15F5S
6	12	MS27466T1786P	MS27466T17F6P
"	"	MS27466T1786S	MS27466T17F6S
"	"	MS27467T1786P	MS27467T17F6P
"	"	MS27467T1786S	MS27467T17F6S
"	"	MS27468T1786P	MS27468T17F6P
"	"	MS27468T1786S	MS27468T17F6S
"	"	MS27469Y17D6P	---
"	"	MS27470Y17D6P	---
"	"	MS27471Y17D6P	---
"	"	MS27496E1786P	MS27496E17F6P
"	"	MS27496E1786S	MS27496E17F6S
"	"	MS27505E1786P	MS27505E17F6P
"	"	MS27505E1786S	MS27505E17F6S
"	"	MS27656T1786P	MS27656T17F6P
"	"	MS27656T1786S	MS27656T17F6P
"	20	MS27466T11898P	MS27466T11F98P
"	"	MS27466T11898S	MS27466T11F98S
"	"	MS27467T11898P	MS27467T11F98P
"	"	MS27467T11898S	MS27467T11F98S
"	"	MS27468T11898P	MS27468T11F98P
"	"	MS27468T11898S	MS27468T11F98S
"	"	MS27469Y11D98P	---
"	"	MS27470Y11D98P	---
"	"	MS27471Y11D98P	---
"	"	MS27496E11898P	MS27496E11F98P
"	"	MS27496E11898S	MS27496E11F98S
"	"	MS27505E11898P	MS27505E11F98P

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1/</u>	200°C
Series I (scoop-proof, bayonet coupling)			
6	20	MS27505E11B98S	MS27505E11F98S
"	"	MS27656T11B98P	MS27656T11F98P
"	"	MS27656T11B98S	MS27656T11F98S
"	22D <u>2/</u>	MS27466T9B35P	MS27466T9F35P
"	"	MS27466T9B35S	MS27466T9F35S
"	"	MS27467T9B35P	MS27467T9F35P
"	"	MS27467T9B35S	MS27467T9F35S
"	"	MS27468T9B35P	MS27468T9F35P
"	"	MS27468T9B35S	MS27468T9F35S
"	"	MS27469Y9D35P	---
"	"	MS27470Y9D35P	---
"	"	MS27471Y9D35P	---
"	"	MS27496E9B35P	MS27496E9F35P
"	"	MS27496E9B35S	MS27496E9F35S
"	"	MS27505E9B35P	MS27505E9F35P
"	"	MS27505E9B35S	MS27505E9F35S
"	"	MS27656T9B35P	MS27656E9F35P
"	"	MS27656T9B35S	MS27656E9F35S
7	20	MS27466T11B99P	MS27466T11F99P
"	"	MS27466T11B99S	MS27466T11F99S
"	"	MS27467T11B99P	MS27467T11F99P
"	"	MS27467T11B99S	MS27467T11F99S
"	"	MS27468T11B99P	MS27468T11F99P
"	"	MS27468T11B99S	MS27468T11F99S
"	"	MS27496E11B99P	MS27496E11F99P
"	"	MS27496E11B99S	MS27496E11F99S
"	"	MS27505E11B99P	MS27505E11F99P
"	"	MS27505E11B99S	MS27505E11F99S
"	"	MS27656T11B99P	MS27656E11F99P
"	"	MS27656T11B99S	MS27656E11F99S
8	16	MS27466T17B8P	MS27466T17F8P
"	"	MS27466T17B8S	MS27466T17F8S
"	"	MS27467T17B8P	MS27467T17F8P
"	"	MS27467T17B8S	MS27467T17F8S
"	"	MS27468T17B8P	MS27468T17F8P
"	"	MS27468T17B8S	MS27468T17F8S
"	"	MS27469Y17D8P	---
"	"	MS27470Y17D8P	---
"	"	MS27471Y17D8P	---
"	"	MS27496E17B8P	MS27496E17F8P
"	"	MS27496E17B8S	MS27496E17F8S
"	"	MS27505E17B8P	MS27505E17F8P
"	"	MS27505E17B8S	MS27505E17F8S
"	"	MS27656T17B8P	MS27656E17F8P
"	"	MS27656T17B8S	MS27656E17F8S
10	20	MS27466T13B98P	MS27466T13F98P
"	"	MS27466T13B98S	MS27466T13F98S
"	"	MS27467T13B98P	MS27467T13F98P
"	"	MS27467T13B98S	MS27467T13F98S
"	"	MS27468T13B98P	MS27468T13F98P
"	"	MS27468T13B98S	MS27468T13F98S
"	"	MS27469Y13D98P	---
"	"	MS27470Y13D98P	---
"	"	MS27471Y13D98P	---
"	"	MS27496E13B98P	MS27496E13F98P
"	"	MS27496E13B98S	MS27496E13F98S
"	"	MS27505E13B98P	MS27505E13F98P

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

		MIL-C-38999 part number	
Number of contacts	Contact size	175°C 1/	200°C
Series I (scoop-proof, bayonet coupling)			
10	20	MS27505E13B98S	MS27505E13F98S
"	"	MS27656T13B98P	MS27656T13B98P
"	"	MS27656T13B98S	MS27656T13B98S
11	16	MS27466T19B11P	MS27466T19F11P
"	"	MS27466T19B11S	MS27466T19F11S
"	"	MS27467T19B11P	MS27467T19F11P
"	"	MS27467T19B11S	MS27467T19F11S
"	"	MS27468T19B11P	MS27468T19F11P
"	"	MS27468T19B11S	MS27468T19F11S
"	"	MS27469Y19011P	---
"	"	MS27470Y19011P	---
"	"	MS27471Y19011P	---
"	"	MS27496E19B11P	MS27496E19F11P
"	"	MS27496E19B11S	MS27496E19F11S
"	"	MS27505E19B11P	MS27505E19F11P
"	"	MS27505E19B11S	MS27505E19F11S
"	"	MS27656T19B11P	MS27656T19F11P
"	"	MS27656T19B11S	MS27656T19F11S
12	(8)-20, (4)-16	MS27466T15B97P	MS27466T15F97P
"	"	MS27466T15B97S	MS27466T15F97S
"	"	MS27467T15B97P	MS27467T15F97P
"	"	MS27467T15B97S	MS27467T15F97S
"	"	MS27468T15B97P	MS27468T15F97P
"	"	MS27468T15B97S	MS27468T15F97S
"	"	MS27469Y15097P	---
"	"	MS27470Y15097P	---
"	"	MS27471Y15097P	---
"	"	MS27496E15B97P	MS27496E15F97P
"	"	MS27496E15B97S	MS27496E15F97S
"	"	MS27505E15B97P	MS27505E15F97P
"	"	MS27505E15B97S	MS27505E15F97S
"	"	MS27656T15B97P	MS27656E15F97P
"	"	MS27656T15B97S	MS27656E15F97S
13	22D 2/	MS27466T11B35P	MS27466T11F35P
"	"	MS27466T11B35S	MS27466T11F35S
"	"	MS27467T11B35P	MS27467T11F35P
"	"	MS27467T11B35S	MS27467T11F35S
"	"	MS27468T11B35P	MS27468T11F35P
"	"	MS27468T11B35S	MS27468T11F35S
"	"	MS27469Y11035P	---
"	"	MS27470Y11035P	---
"	"	MS27471Y11035P	---
"	"	MS27496E11B35P	MS27496E11F35P
"	"	MS27496E11B35S	MS27496E11F35S
"	"	MS27505E11B35P	MS27505E11F35P
"	"	MS27505E11B35S	MS27505E11F35S
"	"	MS27656T11B35P	MS27656E11F35P
"	"	MS27656T11B35S	MS27656E11F35S
"	"	---	MS27661T11F35P
"	"	---	MS27661T11F35S
"	"	---	MS27662E11F35C
16	16	MS27466T21B16P	MS27466T21F16P
"	"	MS27466T21B16S	MS27466T21F16S
"	"	MS27467T21B16P	MS27467T21F16P
"	"	MS27467T21B16S	MS27467T21F16S
"	"	MS27468T21B16P	MS27468T21F16P
"	"	MS27468T21B16S	MS27468T21F16S
"	"	MS27469Y21D16P	---

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1/</u>	200°C
Series I (scoop-proof, bayonet coupling)			
16	16	MS27470Y21D16P	---
"	"	MS27471Y21D16P	---
"	"	MS27496E21B16P	MS27496E21F16P
"	"	MS27496E21B16S	MS27496E21F16S
"	"	MS27505E21B16P	MS27505E21F16P
"	"	MS27505E21B16S	MS27505E21F16S
"	"	MS27656T21B16P	MS27656T21F16P
"	"	MS27656T21B16S	MS27656T21F16S
18	20	MS27466T15B18P	MS27466T15F18P
"	"	MS27466T15B18S	MS27466T15F18S
"	"	MS27467T15B18P	MS27467T15F18P
"	"	MS27467T15B18S	MS27467T15F18S
"	"	MS27468T15B18P	MS27468T15F18P
"	"	MS27468T15B18S	MS27468T15F18S
"	"	MS27469Y15D18P	---
"	"	MS27470Y15D18P	---
"	"	MS27471Y15D18P	---
"	"	MS27496E15B18P	MS27496E15F18P
"	"	MS27496E15B18S	MS27496E15F18S
"	"	MS27505E15B18P	MS27505E15F18P
"	"	MS27505E15B18S	MS27505E15F18S
"	"	MS27656T15B18P	MS27656T15F18P
"	"	MS27656T15B18S	MS27656T15F18S
19	12	MS27466T25B19P	MS27466T25F19P
"	"	MS27466T25B19S	MS27466T25F19S
"	"	MS27467T25B19P	MS27467T25F19P
"	"	MS27467T25B19S	MS27467T25F19S
"	"	MS27468T25B19P	MS27468T25F19P
"	"	MS27468T25B19S	MS27468T25F19S
"	"	MS27469Y25D19P	---
"	"	MS27470Y25D19P	---
"	"	MS27471Y25D19P	---
"	"	MS27496E25B19P	MS27496E25F19P
"	"	MS27496E25B19S	MS27496E25F19S
"	"	MS27505E25B19P	MS27505E25F19P
"	"	MS27505E25B19S	MS27505E25F19S
"	"	MS27656T25B19P	MS27656T25F19P
"	"	MS27656T25B19S	MS27656T25F19S
21	16	MS27466T23B21P	MS27466T23F21P
"	"	MS27466T23B21S	MS27466T23F21S
"	"	MS27467T23B21P	MS27467T23F21P
"	"	MS27467T23B21S	MS27467T23F21S
"	"	MS27468T23B21P	MS27468T23F21P
"	"	MS27468T23B21S	MS27468T23F21S
"	"	MS27469Y23D21P	---
"	"	MS27470Y23D21P	---
"	"	MS27471Y23D21P	---
"	"	MS27496E23B21P	MS27496E23F21P
"	"	MS27496E23B21S	MS27496E23F21S
"	"	MS27505E23B21P	MS27505E23F21P
"	"	MS27505E23B21S	MS27505E23F21S
"	"	MS27656T23B21P	MS27656T23F21P
"	"	MS27656T23B21S	MS27656T23F21S
22	22D <u>2/</u>	MS27466T13B35P	MS27466T13F35P
"	"	MS27466T13B35S	MS27466T13F35S
"	"	MS27467T13B35P	MS27467T13F35P
"	"	MS27467T13B35S	MS27467T13F35S

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type:

		MIL-C-38999 part number	
Number of contacts	Contact size	175°C <u>1/</u>	200°C
		Series I (scoop-proof, bayonet coupling)	
22	22D <u>2/</u>	MS27468T13B35P	MS27468T13F35P
"	"	MS27468T13B35S	MS27468T13F35S
"	"	MS27469Y13D35P	---
"	"	MS27470Y13D35P	---
"	"	MS27471Y13D35P	---
"	"	MS27496E13B35P	MS27496E13F35P
"	"	MS27496E13B35S	MS27496E13F35S
"	"	MS27505E13B35P	MS27505E13F35P
"	"	MS27505E13B35S	MS27505E13F35S
"	"	MS27656T13B35P	MS27656T13F35P
"	"	MS27656T13B35S	MS27656T13F35S
"	"	---	MS27661T13F35P
"	"	---	MS27661T13F35S
23	(21)-20, (2)-16	MS27466T17B99P	MS27466T17F99P
"	"	MS27466T17B99S	MS27466T17F99S
"	"	MS27467T17B99P	MS27467T17F99P
"	"	MS27467T17B99S	MS27467T17F99S
"	"	MS27468T17B99P	MS27468T17F99P
"	"	MS27468T17B99S	MS27468T17F99S
"	"	MS27469Y17D99P	---
"	"	MS27470Y17D99P	---
"	"	MS27471Y17D99P	---
"	"	MS27496E17B99P	MS27496E17F99P
"	"	MS27496E17B99S	MS27496E17F99S
"	"	MS27505E17B99P	MS27505E17F99P
"	"	MS27505E17B99S	MS27505E17F99S
"	"	MS27656T17B99P	MS27656T17F99P
"	"	MS27656T17B99S	MS27656T17F99S
26	20	MS27466T17B26P	MS27466E17F26P
"	"	MS27466T17B26S	MS27466E17F26S
"	"	MS27467T17B26P	MS27467T17F26P
"	"	MS27467T17B26S	MS27467T17F26S
"	"	MS27468T17B26P	MS27468T17F26P
"	"	MS27468T17B26S	MS27468T17F26S
"	"	MS27469Y17D26P	---
"	"	MS27470Y17D26P	---
"	"	MS27471Y17D26P	---
"	"	MS27496E17B26P	MS27496E17F26P
"	"	MS27496E17B26S	MS27496E17F26S
"	"	MS27505E17B26P	MS27505E17F26P
"	"	MS27505E17B26S	MS27505E17F26S
"	"	MS27656T17B26P	MS27656T17F26P
"	"	MS27656T17B26S	MS27656T17F26S
29	16	MS27466T25B29P	MS27466T25F29P
"	"	MS27466T25B29S	MS27466T25F29S
"	"	MS27467T25B29P	MS27467T25F29P
"	"	MS27467T25B29S	MS27467T25F29S
"	"	MS27468T25B29P	MS27468T25F29P
"	"	MS27468T25B29S	MS27468T25F29S
"	"	MS27469Y25D29P	---
"	"	MS27470Y25D29P	---
"	"	MS27471Y25D29P	---
"	"	MS27496E25B29P	MS27496E25F29P
"	"	MS27496E25B29S	MS27496E25F29S
"	"	MS27505E25B29P	MS27505E25F29P
"	"	MS27505E25B29S	MS27505E25F29S
"	"	MS27656T25B29P	MS27656T25F29P
"	"	MS27656T25B29S	MS27656T25F29S

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1/</u>	200°C
Series 1 (scoop-proof, bayonet coupling)			
32	20	MS27466T19832P	MS27466T19F32P
"	"	MS27466T19832S	MS27466T19F32S
"	"	MS27467T19832P	MS27467T19F32P
"	"	MS27467T19832S	MS27467T19F32S
"	"	MS27468T19832P	MS27468T19F32P
"	"	MS27468T19832S	MS27468T19F32S
"	"	MS27469Y19032P	---
"	"	MS27470Y19032P	---
"	"	MS27471Y19032P	---
"	"	MS27496E19832P	MS27496E19F32P
"	"	MS27496E19832S	MS27496E19F32S
"	"	MS27505E19832P	MS27505E19F32P
"	"	MS27505E19832S	MS27505E19F32S
"	"	MS27656T19832P	MS27656T19F32P
"	"	MS27656T19832S	MS27656T19F32S
37	22D <u>2/</u>	MS27466T15835P	MS27466T15F35P
"	"	MS27466T15835S	MS27466T15F35S
"	"	MS27467T15835P	MS27467T15F35P
"	"	MS27467T15835S	MS27467T15F35S
"	"	MS27468T15835P	MS27468T15F35P
"	"	MS27468T15835S	MS27468T15F35S
"	"	MS27469Y15035P	---
"	"	MS27470Y15035P	---
"	"	MS27471Y15035P	---
"	"	MS27496E15835P	MS27496E15F35P
"	"	MS27496E15835S	MS27496E15F35S
"	"	MS27505E15835P	MS27505E15F35P
"	"	MS27505E15835S	MS27505E15F35S
"	"	MS27656T15835P	MS27656T15F25P
"	"	MS27656T15835S	MS27656T15F25S
39	(37)-20, (2)-16	MS27466T21839P	MS27466T21F39P
"	"	MS27466T21839S	MS27466T21F39S
"	"	MS27467T21839P	MS27467T21F39P
"	"	MS27467T21839S	MS27467T21F39S
"	"	MS27468T21839P	MS27468T21F39P
"	"	MS27468T21839S	MS27468T21F39S
"	"	MS27469Y21039P	---
"	"	MS27470Y21039P	---
"	"	MS27471Y21039P	---
"	"	MS27496E21839P	MS27496E21F39P
"	"	MS27496E21839S	MS27496E21F39S
"	"	MS27505E21839P	MS27505E21F39P
"	"	MS27505E21839S	MS27505E21F39S
"	"	MS27656T21839P	MS27656T21F39P
"	"	MS27656T21839S	MS27656T21F39S
41	20	MS27466T21841P	MS27466T21F41P
"	"	MS27466T21841S	MS27466T21F41S
"	"	MS27467T21841P	MS27467T21F41P
"	"	MS27467T21841S	MS27467T21F41S
"	"	MS27468T21841P	MS27468T21F41P
"	"	MS27468T21841S	MS27468T21F41S
"	"	MS27469Y21D41P	---
"	"	MS27470Y21D41P	---
"	"	MS27471Y21D41P	---
"	"	MS27496E21841P	MS27496E21F41P
"	"	MS27496E21841S	MS27496E21F41S
"	"	MS27505E21841P	MS27505E21F41P
"	"	MS27505E21841S	MS27505E21F41S
"	"	MS27656T21841P	MS27656T21F41P
"	"	MS27656T21841S	MS27656T21F41S

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1/</u>	200°C
Series 1 (scoop-proof, bayonet coupling)			
55	20	MS27466T23B55P	MS27466T23F55P
"	"	MS27466T23B55S	MS27466T23F55S
"	"	MS27467T23B55P	MS27467T23F55P
"	"	MS27467T23B55S	MS27467T23F55S
"	"	MS27468T23B55P	MS27468T23F55P
"	"	MS27468T23B55S	MS27468T23F55S
"	"	MS27496E23B55P	MS27496E23F55P
"	"	MS27496E23B55S	MS27496E23F55S
"	"	MS27505E23B55P	MS27505E23F55P
"	"	MS27505E23B55S	MS27505E23F55S
"	"	MS27656T23B55P	MS27656T23F55P
"	"	MS27656T23B55S	MS27656T23F55S
55	22D <u>2/</u>	MS27466T17B35P	MS27466T17F35P
"	"	MS27466T17B35S	MS27466T17F35S
"	"	MS27467T17B35P	MS27467T17F35P
"	"	MS27467T17B35S	MS27467T17F35S
"	"	MS27468T17B35P	MS27468T17F35P
"	"	MS27468T17B35S	MS27468T17F35S
"	"	MS27469Y17D35P	---
"	"	MS27470Y17D35P	---
"	"	MS27471Y17D35P	---
"	"	MS27496E17B35P	MS27496E17F35P
"	"	MS27496E17B35S	MS27496E17F35S
"	"	MS27505E17B35P	MS27505E17F35P
"	"	MS27505E17B35S	MS27505E17F35S
"	"	MS27656T17B35P	MS27656T17F35P
"	"	MS27656T17B35S	MS27656T17F35S
61	20	MS27466T25B61P	MS27466T25F61P
"	"	MS27466T25B61S	MS27466T25F61S
"	"	MS27467T25B61P	MS27467T25F61P
"	"	MS27467T25B61S	MS27467T25F61S
"	"	MS27468T25B61P	MS27468T25F61P
"	"	MS27468T25B61S	MS27468T25F61S
"	"	MS27469Y25D61P	---
"	"	MS27470Y25D61P	---
"	"	MS27471Y25D61P	---
"	"	MS27496E25B61P	MS27496E25F61P
"	"	MS27496E25B61S	MS27496E25F61S
"	"	MS27505E25B61P	MS27505E25F61P
"	"	MS27505E25B61S	MS27505E25F61S
"	"	MS27656T25B61P	MS27656T25F61P
"	"	MS27656T25B61S	MS27656T25F61S
66	22D <u>2/</u>	MS27466T19B35P	MS27466T19F35P
"	"	MS27466T19B35S	MS27466T19F35S
"	"	MS27467T19B35P	MS27467T19F35P
"	"	MS27467T19B35S	MS27467T19F35S
"	"	MS27468T19B35P	MS27468T19F35P
"	"	MS27468T19B35S	MS27468T19F35S
"	"	MS27469Y19D35P	---
"	"	MS27470Y19D35P	---
"	"	MS27471Y19D35P	---
"	"	MS27496E19B35P	MS27496E19F35P
"	"	MS27496E19B35S	MS27496E19F35S
"	"	MS27505E19B35P	MS27505E19F35P
"	"	MS27505E19B35S	MS27505E19F35S
"	"	MS27656T19B35P	MS27656T19F35P
"	"	MS27656T19B35S	MS27656T19F35S

See footnotes at end of table.



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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1/</u>	200°C
Series I (scoop-proof, bayonet coupling)			
79	22D <u>2/</u>	MS27466T21B35P	MS27466T21F35P
"	"	MS27466T21B35S	MS27466T21F35S
"	"	MS27467T21B35P	MS27467T21F35P
"	"	MS27467T21B35S	MS27467T21F35S
"	"	MS27468T21B35P	MS27468T21F35P
"	"	MS27468T21B35S	MS27468T21F35S
"	"	MS27469Y21D35P	---
"	"	MS27470Y21D35P	---
"	"	MS27471Y21D35P	---
"	"	MS27496E21B35P	MS27496E21F35P
"	"	MS27496E21B35S	MS27496E21F35S
"	"	MS27505E21B35P	MS27505E21F35P
"	"	MS27505E21B35S	MS27505E21F35S
"	"	MS27656T21B35P	MS27656T21F35P
"	"	MS27656T21B35S	MS27656T21F35S
100	22D <u>2/</u>	MS27466T23B35P	MS27466T23F35P
"	"	MS27466T23B35S	MS27466T23F35S
"	"	MS27467T23B35P	MS27467T23F35P
"	"	MS27467T23B35S	MS27467T23F35S
"	"	MS27468T23B35P	MS27468T23F35P
"	"	MS27468T23B35S	MS27468T23F35S
"	"	MS27469Y23D35P	---
"	"	MS27470Y23D35P	---
"	"	MS27471Y23D35P	---
"	"	MS27496E23B35P	MS27496E23F35P
"	"	MS27496E23B35S	MS27496E23F35S
"	"	MS27505E23B35P	MS27505E23F35P
"	"	MS27505E23B35S	MS27505E23F35S
"	"	MS27656T23B35P	MS27656T23F35P
"	"	MS27656T23B35S	MS27656T23F35S
128	22D <u>2/</u>	MS27466T25B35P	MS27466T25F35P
"	"	MS27466T25B35S	MS27466T25F35S
"	"	MS27467T25B35P	MS27467T25F35P
"	"	MS27467T25B35S	MS27467T25F35S
"	"	MS27468T25B35P	MS27468T25F35P
"	"	MS27468T25B35S	MS27468T25F35S
"	"	MS27469Y25D35P	---
"	"	MS27470Y25D35P	---
"	"	MS27471Y25D35P	---
"	"	MS27496E25B35P	MS27496E25F35P
"	"	MS27496E25B35S	MS27496E25F35S
"	"	MS27505E25B35P	MS27505E25F35P
"	"	MS27505E25B35S	MS27505E25F35S
"	"	MS27656T25B35P	MS27656T25F35P
"	"	MS27656T25B35S	MS27656T25F35S

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type--

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
3	20	D38999/20WA98PN	D38999/20FA98PN
"	"	D38999/20WA98SN	D38999/20FA98SN
"	"	D38999/24WA98PN	D38999/24FA98PN
"	"	D38999/24WA98SN	D38999/24FA98SN
"	"	D38999/26WA98PN	D38999/26FA98PN
"	"	D38999/26WA98SN	D38999/26FA98SN
"	"	---	D38999/20KA98PN
"	"	---	D38999/20KA98SN
"	"	---	D38999/24KA98PN
"	"	---	D38999/24KA98SN
"	"	---	D38999/26KA98PN
"	"	---	D38999/26KA98SN
"	"	---	D38999/21YA98PN
"	"	---	D38999/23YA98PN
"	"	---	D38999/25YA98PN
5	16	D38999/20WD5PN	D38999/20FD5PN
"	"	D38999/20WD5SN	D38999/20FD5SN
"	"	D38999/24WD5PN	D38999/24FD5PN
"	"	D38999/24WD5SN	D38999/24FD5SN
"	"	D38999/26WD5PN	D38999/26FD5PN
"	"	D38999/26WD5SN	D38999/26FD5SN
"	"	---	D38999/20KD5PN
"	"	---	D38999/20KD5SN
"	"	---	D38999/24KD5PN
"	"	---	D38999/24KD5SN
"	"	---	D38999/26KD5PN
"	"	---	D38999/26KD5SN
"	"	---	D38999/21YD5PN
"	"	---	D38999/23YD5PN
"	"	---	D38999/25YD5PN
6	12	D38999/20WE6PN	D38999/20FE6PN
"	"	D38999/20WE6SN	D38999/20FE6SN
"	"	D38999/24WE6PN	D38999/24FE6PN
"	"	D38999/24WE6SN	D38999/24FE6SN
"	"	D38999/26WE6PN	D38999/26FE6PN
"	"	D38999/26WE6SN	D38999/26FE6SN
"	"	D38999/29WE6AN 3/	D38999/29FE6AN 3/
"	"	D38999/30WE6AN 3/	D38999/30FE6AN 3/
"	"	---	D38999/20KE6PN
"	"	---	D38999/20KE6SN
"	"	---	D38999/24KE6PN
"	"	---	D38999/24KE6SN
"	"	---	D38999/26KE6PN
"	"	---	D38999/26KE6SN

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
6	20	D38999/20WB98PN	D38999/20FB98PN
"	"	D38999/20WB98SN	D38999/20FB98SN
"	"	D38999/24WB98PN	D38999/24FB98PN
"	"	D38999/24WB98SN	D38999/24FB98SN
"	"	D38999/26WB98PN	D38999/26FB98PN
"	"	D38999/26WB98SN	D38999/26FB98SN
"	"	---	D38999/20KB98PN
"	"	---	D38999/20KB98SN
"	"	---	D38999/24KB98PN
"	"	---	D38999/24KB98SN
"	"	---	D38999/26KB98PN
"	"	---	D38999/26KB98SN
"	"	---	D38999/21YB98PN
"	"	---	D38999/23YB98PN
"	"	---	D38999/25YB98PN
"	22D 2/	D38999/20WA35PN	D38999/20FA35PN
"	"	D38999/20WA35SN	D38999/20FA35SN
"	"	D38999/24WA35PN	D38999/24FA35PN
"	"	D38999/24WA35SN	D38999/24FA35SN
"	"	D38999/26WA35PN	D38999/26FA35PN
"	"	D38999/26WA35SN	D38999/26FA35SN
"	"	---	D38999/20KA35PN
"	"	---	D38999/20KA35SN
"	"	---	D38999/24KA35PN
"	"	---	D38999/24KA35SN
"	"	---	D38999/26KA35PN
"	"	---	D38999/26KA35SN
"	"	---	D38999/21YA35PN
"	"	---	D38999/23YA35PN
"	"	---	D38999/25YA35PN
8	16	D38999/20WE8PN	D38999/20FE8PN
"	"	D38999/20WE8SN	D38999/20FE8SN
"	"	D38999/24WE8PN	D38999/24FE8PN
"	"	D38999/24WE8SN	D38999/24FE8SN
"	"	D38999/26WE8PN	D38999/26FE8PN
"	"	D38999/26WE8SN	D38999/26FE8SN
"	"	D38999/29WE8AN 3/	D38999/29FE8AN 3/
"	"	D38999/30WE8AN 3/	D38999/30FE8AN 3/
"	"	---	D38999/20KE8PN
"	"	---	D38999/20KE8SN
"	"	---	D38999/24KE8PN
"	"	---	D38999/24KE8SN
"	"	---	D38999/26KE8PN
"	"	---	D38999/26KE8SN
"	"	---	D38999/21YE8PN
"	"	---	D38999/23YE8PN
"	"	---	D38999/25YE8PN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type:

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
10	20	D38999/20WC98PN	D38999/20FC98PN
"	"	D38999/20WC98SN	D38999/20FC98SN
"	"	D38999/24WC98PN	D38999/24FC98PN
"	"	D38999/24WC98SN	D38999/24FC98SN
"	"	D38999/26WC98PN	D38999/26FC98PN
"	"	D38999/26WC98SN	D38999/26FC98SN
"	"	---	D38999/20KC98PN
"	"	---	D38999/20KC98SN
"	"	---	D38999/24KC98PN
"	"	---	D38999/24KC98SN
"	"	---	D38999/26KC98PN
"	"	---	D38999/26KC98SN
"	"	---	D38999/21YC98PN
"	"	---	D38999/23YC98PN
"	"	---	D38999/25YC98PN
11	16	D38999/20WF11PN	D38999/20FF11PN
"	"	D38999/20WF11SN	D38999/20FF11SN
"	"	D38999/24WF11PN	D38999/24FF11PN
"	"	D38999/24WF11SN	D38999/24FF11SN
"	"	D38999/26WF11PN	D38999/26FF11PN
"	"	D38999/26WF11SN	D38999/26FF11SN
"	"	D38999/29WF11AN	D38999/29FF11AN
"	"	D38999/30WF11AN	D38999/30WF11AN
"	"	---	D38999/20KF11PN
"	"	---	D38999/20KF11SN
"	"	---	D38999/24KF11PN
"	"	---	D38999/24KF11SN
"	"	---	D38999/26KF11PN
"	"	---	D38999/26KF11SN
"	"	---	D38999/21YF11PN
"	"	---	D38999/23YF11PN
"	"	---	D38999/25YF11PN
12	(8)-20, (4)-16	D38999/20WD97PN	D38999/20FD97PN
"	"	D38999/20WD97SN	D38999/20FD97SN
"	"	D38999/24WD97PN	D38999/24FD97PN
"	"	D38999/24WD97SN	D38999/24FD97SN
"	"	D38999/26WD97PN	D38999/26FD97PN
"	"	D38999/26WD97SN	D38999/26FD97SN
"	"	---	D38999/20KD97PN
"	"	---	D38999/20KD97SN
"	"	---	D38999/24KD97PN
"	"	---	D38999/24KD97SN
"	"	---	D38999/26KD97PN
"	"	---	D38999/26KD97SN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
13	22D 2/	D38999/20WB35PN	D38999/20FB35PN
"	"	D38999/20WB35SN	D38999/20FB35SN
"	"	D38999/24WB35PN	D38999/24FB35PN
"	"	D38999/24WB35SN	D38999/24FB35SN
"	"	D38999/26WB35PN	D38999/26FB35PN
"	"	D38999/26WB35SN	D38999/26FB35SN
"	"	---	D38999/20KB35PN
"	"	---	D38999/20KB35SN
"	"	---	D38999/24KB35PN
"	"	---	D38999/24KB35SN
"	"	---	D38999/26KB35PN
"	"	---	D38999/26KB35SN
"	"	---	D38999/21YB35PN
"	"	---	D38999/23YB35PN
"	"	---	D38999/25YB35PN
16	16	D38999/20WG16PN	D38999/20FG16PN
"	"	D38999/20WG16SN	D38999/20FG16SN
"	"	D38999/24WG16PN	D38999/24FG16PN
"	"	D38999/24WG16SN	D38999/24FG16SN
"	"	D38999/26WG16PN	D38999/26FG16PN
"	"	D38999/26WG16SN	D38999/26FG16SN
"	"	---	D38999/20KG16PN
"	"	---	D38999/20KG16SN
"	"	---	D38999/24KG16PN
"	"	---	D38999/24KG16SN
"	"	---	D38999/26KG16PN
"	"	---	D38999/26KG16SN
"	"	---	D38999/21YG16PN
"	"	---	D38999/23YG16PN
"	"	---	D38999/25YG16PN
18	20	D38999/20WD18PN	D38999/20FD18PN
"	"	D38999/20WD18SN	D38999/20FD18SN
"	"	D38999/24WD18PN	D38999/24FD18PN
"	"	D38999/24WD18SN	D38999/24FD18SN
"	"	D38999/26WD18PN	D38999/26FD18PN
"	"	D38999/26WD18SN	D38999/26FD18SN
"	"	---	D38999/20KD18PN
"	"	---	D38999/20KD18SN
"	"	---	D38999/24KD18PN
"	"	---	D38999/24KD18SN
"	"	---	D38999/26KD18PN
"	"	---	D38999/26KD18SN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
19	12	D38999/20WJ19PN	D38999/20FJ19PN
"	"	D38999/20WJ19SN	D38999/20FJ19SN
"	"	D38999/24WJ19PN	D38999/24FJ19PN
"	"	D38999/24WJ19SN	D38999/24FJ19SN
"	"	D38999/26WJ19PN	D38999/26FJ19PN
"	"	D38999/26WJ19SN	D38999/26FJ19SN
"	"	D38999/29WJ19AN	D38999/29FJ19AN
"	"	D38999/30WJ19AN	D38999/30FJ19AN
"	"	---	D38999/20KJ19PN
"	"	---	D38999/20KJ19SN
"	"	---	D38999/24KJ19PN
"	"	---	D38999/24KJ19SN
"	"	---	D38999/26KJ19PN
"	"	---	D38999/26KJ19SN
21	16	D38999/20WH21PN	D38999/20FH21PN
"	"	D38999/20WH21SN	D38999/20FH21SN
"	"	D38999/24WH21PN	D38999/24FH21PN
"	"	D38999/24WH21SN	D38999/24FH21SN
"	"	D38999/26WH21PN	D38999/26FH21PN
"	"	D38999/26WH21SN	D38999/26FH21SN
"	"	---	D38999/20KH21PN
"	"	---	D38999/20KH21SN
"	"	---	D38999/24KH21PN
"	"	---	D38999/24KH21SN
"	"	---	D38999/26KH21PN
"	"	---	D38999/26KH21SN
"	"	---	D38999/21YH21PN
"	"	---	D38999/23YH21PN
"	"	---	D38999/25YH21PN
22	22D 2/	D38999/20WC35PN	D38999/20FC35PN
"	"	D38999/20WC35SN	D38999/20FC35SN
"	"	D38999/24WC35PN	D38999/24FC35PN
"	"	D38999/24WC35SN	D38999/24FC35SN
"	"	D38999/26WC35PN	D38999/26FC35PN
"	"	D38999/26WC35SN	D38999/26FC35SN
"	"	---	D38999/20KC35PN
"	"	---	D38999/20KC35SN
"	"	---	D38999/24KC35PN
"	"	---	D38999/24KC35SN
"	"	---	D38999/26KC35PN
"	"	---	D38999/26KC35SN
"	"	---	D38999/21YC35PN
"	"	---	D38999/23YC35PN
"	"	---	D38999/25YC35PN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
23	(21)-20, (2)-16	D38999/20WE99PN	D38999/20FE99PN
"	"	D38999/20WE99SN	D38999/20FE99SN
"	"	D38999/24WE99PN	D38999/24FE99PN
"	"	D38999/24WE99SN	D38999/24FE99SN
"	"	D38999/26WE99PN	D38999/26FE99PN
"	"	D38999/26WE99SN	D38999/26FE99SN
"	"	D38999/29WE99AN	D38999/29FE99AN
"	"	D38999/30WE99AN	D38999/30FE99AN
"	"	---	D38999/20KE99PN
"	"	---	D38999/20KE99SN
"	"	---	D38999/24KE99PN
"	"	---	D38999/24KE99SN
"	"	---	D38999/26KE99PN
"	"	---	D38999/26KE99SN
26	20	D38999/20WE26PN	D38999/20FE26PN
"	"	D38999/20WE26SN	D38999/20FE26SN
"	"	D38999/24WE26PN	D38999/24FE26PN
"	"	D38999/24WE26SN	D38999/24FE26SN
"	"	D38999/26WE26PN	D38999/26FE26PN
"	"	D38999/26WE26SN	D38999/26FE26SN
"	"	D38999/29WE26AN	D38999/29FE26AN
"	"	D38999/30WE26AN	D38999/30FE26AN
"	"	---	D38999/20KE26PN
"	"	---	D38999/20KE26SN
"	"	---	D38999/24KE26PN
"	"	---	D38999/24KE26SN
"	"	---	D38999/26KE26PN
"	"	---	D38999/26KE26SN
29	16	D38999/20WJ29PN	D38999/20FJ29PN
"	"	D38999/20WJ29SN	D38999/20FJ29SN
"	"	D38999/24WJ29PN	D38999/24FJ29PN
"	"	D38999/24WJ29SN	D38999/24FJ29SN
"	"	D38999/26WJ29PN	D38999/26FJ29PN
"	"	D38999/26WJ29SN	D38999/26FJ29SN
"	"	D38999/29WJ29AN	D38999/29FJ29AN
"	"	D38999/30WJ29AN	D38999/30FJ29AN
"	"	---	D38999/20KJ29PN
"	"	---	D38999/20KJ29SN
"	"	---	D38999/24KJ29PN
"	"	---	D38999/24KJ29SN
"	"	---	D38999/26KJ29PN
"	"	---	D38999/26KJ29SN

See footnotes at end of table.

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TABLE 101.11. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
32	20	D38999/20WF32PN	D38999/20FF32PN
"	"	D38999/20WF32SN	D38999/20FF32SN
"	"	D38999/24WF32PN	D38999/24FF32PN
"	"	D38999/24WF32SN	D38999/24FF32SN
"	"	D38999/26WF32PN	D38999/26FF32PN
"	"	D38999/26WF32SN	D38999/26FF32SN
"	"	D38999/29WF32AN	D38999/29FF32AN
"	"	D38999/30WF32AN	D38999/30FF32AN
"	"	---	D38999/20KF32PN
"	"	---	D38999/20KF32SN
"	"	---	D38999/24KF32PN
"	"	---	D38999/24KF32SN
"	"	---	D38999/26KF32PN
"	"	---	D38999/26KF32SN
37	22D 2/	D38999/20WD35PN	D38999/20FD35PN
"	"	D38999/20WD35SN	D38999/20FD35SN
"	"	D38999/24WD35PN	D38999/24FD35PN
"	"	D38999/24WD35SN	D38999/24FD35SN
"	"	D38999/26WD35PN	D38999/26FD35PN
"	"	D38999/26WD35SN	D38999/26FD35SN
"	"	---	D38999/20KD35PN
"	"	---	D38999/20KD35SN
"	"	---	D38999/24KD35PN
"	"	---	D38999/24KD35SN
"	"	---	D38999/26KD35PN
"	"	---	D38999/26KD35SN
39	(37)-20, (2)-16	D38999/20WG39PN	D38999/20FG39PN
"	"	D38999/20WG39SN	D38999/20FG39SN
"	"	D38999/24WG39PN	D38999/24FG39PN
"	"	D38999/24WG39SN	D38999/24FG39SN
"	"	D38999/26WG39PN	D38999/26FG39PN
"	"	D38999/26WG39SN	D38999/26FG39SN
"	"	---	D38999/20KG39PN
"	"	---	D38999/20KG39SN
"	"	---	D38999/24KG39PN
"	"	---	D38999/24KG39SN
"	"	---	D38999/26KG39PN
"	"	---	D38999/26KG39SN
41	20	D38999/20WG41PN	D38999/20FG41PN
"	"	D38999/20WG41SN	D38999/20FG41SN
"	"	D38999/24WG41PN	D38999/24FG41PN
"	"	D38999/24WG41SN	D38999/24FG41SN
"	"	D38999/26WG41PN	D38999/26FG41PN
"	"	D38999/26WG41SN	D38999/26FG41SN
"	"	---	D38999/20KG41PN
"	"	---	D38999/20KG41SN
"	"	---	D38999/24KG41PN
"	"	---	D38999/24KG41SN
"	"	---	D38999/26KG41PN
"	"	---	D38999/26KG41SN
"	"	---	D38999/21YG41PN
"	"	---	D38999/23YG41PN
"	"	---	D38999/25YG41PN

See footnotes at end of table.



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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
53	20	D38999/20WH53PN	D38999/20FH53PN
"	"	D38999/20WH53SN	D38999/20FH53SN
"	"	D38999/24WH53PN	D38999/24FH53PN
"	"	D38999/24WH53SN	D38999/24FH53SN
"	"	D38999/26WH53PN	D38999/26FH53PN
"	"	D38999/26WH53SN	D38999/26FH53SN
"	"	---	D38999/20KH53PN
"	"	---	D38999/20KH53SN
"	"	---	D38999/24KH53PN
"	"	---	D38999/24KH53SN
"	"	---	D38999/26KH53PN
"	"	---	D38999/26KH53SN
"	"	---	D38999/21YH53PN
"	"	---	D38999/23YH53PN
"	"	---	D38999/25YH53PN
55	22D 2/	D38999/20WE35PN	D38999/20FE35PN
"	"	D38999/20WE35SN	D38999/20FE35SN
"	"	D38999/24WE35PN	D38999/24FE35PN
"	"	D38999/24WE35SN	D38999/24FE35SN
"	"	D38999/26WE35PN	D38999/26FE35PN
"	"	D38999/26WE35SN	D38999/26FE35SN
"	"	D38999/29WE35AN 3/	D38999/29FE35AN 3/
"	"	D38999/30WE35AN 3/	D38999/30FE35AN 3/
"	"	---	D38999/20KE35PN
"	"	---	D38999/20KE35SN
"	"	---	D38999/24KE35PN
"	"	---	D38999/24KE35SN
"	"	---	D38999/26KE35PN
"	"	---	D38999/26KE35SN
61	20	D38999/20WJ61PN	D38999/20FJ61PN
"	"	D38999/20WJ61SN	D38999/20FJ61SN
"	"	D38999/24WJ61PN	D38999/24FJ61PN
"	"	D38999/24WJ61SN	D38999/24FJ61SN
"	"	D38999/26WJ61PN	D38999/26FJ61PN
"	"	D38999/26WJ61SN	D38999/26FJ61SN
"	"	D38999/29WJ61AN 3/	D38999/29FJ61AN 3/
"	"	D38999/30WJ61AN 3/	D38999/30FJ61AN 3/
"	"	---	D38999/20KJ61PN
"	"	---	D38999/20KJ61SN
"	"	---	D38999/24KJ61PN
"	"	---	D38999/24KJ61SN
"	"	---	D38999/26KJ61PN
"	"	---	D38999/26KJ61SN
"	"	---	D38999/21YJ61PN
"	"	---	D38999/23YJ61PN
"	"	---	D38999/25YJ61PN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type-

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
66	22D <u>2/</u>	D38999/20WF35PN	D38999/20FF35PN
"	"	D38999/20WF35SN	D38999/20FF35SN
"	"	D38999/24WF35PN	D38999/24FF35PN
"	"	D38999/24WF35SN	D38999/24FF35SN
"	"	D38999/26WF35PN	D38999/26FF35PN
"	"	D38999/26WF35SN	D38999/26FF35SN
"	"	D38999/29WF35AN	D38999/29FF35AN
"	"	D38999/30WF35AN	D38999/30FF35AN
"	"	---	D38999/20KF35PN
"	"	---	D38999/20KF35SN
"	"	---	D38999/24KF35PN
"	"	---	D38999/24KF35SN
"	"	---	D38999/26KF35PN
"	"	---	D38999/26KF35SN
"	"	---	D38999/21YF35PN
"	"	---	D38999/23YF35PN
"	"	---	D38999/25YF35PN
79	22D <u>2/</u>	D38999/20WG35PN	D38999/20FG35PN
"	"	D38999/20WG35SN	D38999/20FG35SN
"	"	D38999/24WG35PN	D38999/24FG35PN
"	"	D38999/24WG35SN	D38999/24FG35SN
"	"	D38999/26WG35PN	D38999/26FG35PN
"	"	D38999/26WG35SN	D38999/26FG35SN
"	"	---	D38999/20KG35PN
"	"	---	D38999/20KG35SN
"	"	---	D38999/24KG35PN
"	"	---	D38999/24KG35SN
"	"	---	D38999/26KG35PN
"	"	---	D38999/26KG35SN
100	22D <u>2/</u>	D38999/20WH35PN	D38999/20FH35PN
"	"	D38999/20WH35SN	D38999/20FH35SN
"	"	D38999/24WH35PN	D38999/24FH35PN
"	"	D38999/24WH35SN	D38999/24FH35SN
"	"	D38999/26WH35PN	D38999/26FH35PN
"	"	D38999/26WH35SN	D38999/26FH35SN
"	"	---	D38999/20KH35PN
"	"	---	D38999/20KH35SN
"	"	---	D38999/24KH35PN
"	"	---	D38999/24KH35SN
"	"	---	D38999/26KH35PN
"	"	---	D38999/26KH35SN
"	"	---	D38999/21YH35PN
"	"	---	D38999/23YH35PN
"	"	---	D38999/25YH35PN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series III (scoop-proof, triple start, self locking threaded coupling)			
128	22D <u>2/</u>	D38999/20WJ35PN	D38999/20FJ35PN
"	"	D38999/20WJ35SN	D38999/20FJ35SN
"	"	D38999/24WJ35PN	D38999/24FJ35PN
"	"	D38999/24WJ35SN	D38999/24FJ35SN
"	"	D38999/26WJ35PN	D38999/26FJ35PN
"	"	D38999/26WJ35SN	D38999/26FJ35SN
"	"	D38999/29WJ35AN	D38999/29FJ35AN
"	"	D38999/30WJ35AN <u>3/</u>	D38999/30FJ35AN <u>3/</u>
"	"	---	D38999/20KJ35PN
"	"	---	D38999/20KJ35SN
"	"	---	D38999/24KJ35PN
"	"	---	D38999/24KJ35SN
"	"	---	D38999/26KJ35PN
"	"	---	D38999/26KJ35SN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series IV (scoop-proof, breech coupling)			
5	16	D38999/40WD5PN	D38999/40FD5PN
"	"	D38999/40WD5SN	D38999/40FD5SN
"	"	D38999/42WD5PN	D38999/42FD5PN
"	"	D38999/42WD5SN	D38999/42FD5SN
"	"	D38999/44WD5PN	D38999/44FD5PN
"	"	D38999/44WD5SN	D38999/44FD5SN
"	"	D38999/46WD5PN	D38999/46FD5PN
"	"	D38999/46WD5SN	D38999/46FD5SN
"	"	D38999/49WD5PN	---
"	"	D38999/49WD5SN	---
"	"	---	D38999/41YD5PN
"	"	---	D38999/41YD5XN
"	"	---	D38999/43YD5PN
"	"	---	D38999/43YD5XN
"	"	---	D38999/45YD5PN
"	"	---	D38999/45YD5XN
"	"	---	D38999/48YD5PN
"	"	---	D38999/48YD5XN
6	12	D38999/40WE6PN	D38999/40FE6PN
"	"	D38999/40WE6SN	D38999/40FE6SN
"	"	D38999/42WE6PN	D38999/42FE6PN
"	"	D38999/42WE6SN	D38999/42FE6SN
"	"	D38999/44WE6PN	D38999/44FE6PN
"	"	D38999/44WE6SN	D38999/44FE6SN
"	"	D38999/46WE6PN	D38999/46FE6PN
"	"	D38999/46WE6SN	D38999/46FE6SN
"	"	D38999/49WE6PN	---
"	"	D38999/49WE6SN	---
"	"	---	D38999/41YE6PN
"	"	---	D38999/43YE6PN
"	"	---	D38999/45YE6PN
"	"	---	D38999/48YE6PN
7	20	D38999/40WB99PN	D38999/40FB99PN
"	"	D38999/40WB99SN	D38999/40FB99SN
"	"	D38999/42WB99PN	D38999/42FB99PN
"	"	D38999/42WB99SN	D38999/42FB99SN
"	"	D38999/44WB99PN	D38999/44FB99PN
"	"	D38999/44WB99SN	D38999/44FB99SN
"	"	D38999/46WB99PN	D38999/46FB99PN
"	"	D38999/46WB99SN	D38999/46FB99SN
"	"	D38999/49WB99PN	---
"	"	D38999/49WB99SN	---
"	"	---	D38999/41YB99PN
"	"	---	D38999/41YB99XN
"	"	---	D38999/43YB99PN
"	"	---	D38999/43YB99XN
"	"	---	D38999/45YB99PN
"	"	---	D38999/45YB99XN
"	"	---	D38999/48YB99PN
"	"	---	D38999/48YB99XN

See footnotes at end of table.

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TABLE 101.II. Standard connectors, MIL-C-38999 type.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
Series IV (scoop-proof, breech coupling)			
8	16	D38999/40WE8PN	D38999/40FE8PN
"	"	D38999/40WE8SN	D38999/40FE8SN
"	"	D38999/42WE8PN	D38999/42FE8PN
"	"	D38999/42WE8SN	D38999/42FE8SN
"	"	D38999/44WE8PN	D38999/44FE8PN
"	"	D38999/44WE8SN	D38999/44FE8SN
"	"	D38999/46WE8PN	D38999/46FE8PN
"	"	D38999/46WE8SN	D38999/46FE8SN
"	"	D38999/49WE8PN	---
"	"	D38999/49WE8SN	---
"	"	---	D38999/41YE8PN
"	"	---	D38999/41YE8XN
"	"	---	D38999/43YE8PN
"	"	---	D38999/43YE8XN
"	"	---	D38999/45YE8PN
"	"	---	D38999/45YE8XN
"	"	---	D38999/48YE8PN
"	"	---	D38999/48YE8XN
10	20	D38999/40WC98PN	D38999/40FC98PN
"	"	D38999/40WC98SN	D38999/40FC98SN
"	"	D38999/42WC98PN	D38999/42FC98PN
"	"	D38999/42WC98SN	D38999/42FC98SN
"	"	D38999/44WC98PN	D38999/44FC98PN
"	"	D38999/44WC98SN	D38999/44FC98SN
"	"	D38999/46WC98PN	D38999/46WC98PN
"	"	D38999/46WC98SN	D38999/46WC98SN
"	"	D38999/49WC98PN	---
"	"	D38999/49WC98SN	---
"	"	---	D38999/41YC98PN
"	"	---	D38999/41YC98XN
"	"	---	D38999/43YC98PN
"	"	---	D38999/43YC98XN
"	"	---	D38999/45YC98PN
"	"	---	D38999/45YC98XN
"	"	---	D38999/48YC98PN
"	"	---	D38999/48YC98XN
11	16	D38999/40WF11PN	D38999/40FF11PN
"	"	D38999/40WF11SN	D38999/40FF11SN
"	"	D38999/42WF11PN	D38999/42FF11PN
"	"	D38999/42WF11SN	D38999/42FF11SN
"	"	D38999/44WF11PN	D38999/44FF11PN
"	"	D38999/44WF11SN	D38999/44FF11SN
"	"	D38999/46WF11PN	D38999/46FF11PN
"	"	D38999/46WF11SN	D38999/46FF11SN
"	"	D38999/49WF11PN	---
"	"	D38999/49WF11SN	---
"	"	---	D38999/41YF11PN
"	"	---	D38999/41YF11XN
"	"	---	D38999/43YF11PN
"	"	---	D38999/43YF11XN
"	"	---	D38999/45YF11PN
"	"	---	D38999/45YF11XN
"	"	---	D38999/48YF11PN
"	"	---	D38999/48YF11XN

See footnotes at end of table.

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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
14	16	M83723/86R1814N
"	"	M83723/86W1814N
"	"	M83723/77R1814N
"	"	M83723/77W1814N
"	"	M83723/78R1814N
"	"	M83723/78W1814N
"	"	M83723/79H1814N
"	"	M83723/80H1814N
"	"	M83723/81H1814N
"	"	M83723/88H1814N
"	"	M83723/89H1814N
"	"	M83723/91R1814N
"	"	M83723/91W1814N
"	"	M83723/92R1814N
"	"	M83723/92W1814N
"	"	M83723/95R1814N
"	"	M83723/95K1814N
"	"	M83723/96R1814N
"	"	M83723/96K1814N
"	"	M83723/90H1814N
15	20	M83723/65H1415N
"	"	M83723/68R1415N
"	"	M83723/68W1415N
"	"	M83723/69R1415N
"	"	M83723/69W1415N
"	"	M83723/72R1415N
"	"	M83723/72W1415N
"	"	M83723/71R1415N
"	"	M83723/71W1415N
"	"	M83723/83R1415N
"	"	M83723/83S1415N
"	"	M83723/83W1415N
"	"	M83723/82R1415N
"	"	M83723/82S1415N
"	"	M83723/82W1415N
"	"	M83723/74R1415N
"	"	M83723/74W1415N
"	"	M83723/73R1415N
"	"	M83723/73W1415N
"	"	M83723/85R1415N
"	"	M83723/85S1415N
"	"	M83723/85W1415N
"	"	M83723/84R1415N
"	"	M83723/84S1415N
"	"	M83723/84W1415N
"	"	M83723/76R1415N
"	"	M83723/76W1415N
"	"	M83723/75R1415N
"	"	M83723/75W1415N
"	"	M83723/87R1415N
"	"	M83723/87W1415N
"	"	M83723/86R1415N
"	"	M83723/86W1415N
"	"	M83723/77R1415N
"	"	M83723/77W1415N
"	"	M83723/78R1415N
"	"	M83723/78W1415N
"	"	M83723/80H1415N
"	"	M83723/81H1415N

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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
12	20	M83723/76W1212N
"	"	M83723/75R1212N
"	"	M83723/75W1212N
"	"	M83723/87R1212N
"	"	M83723/87W1212N
"	"	M83723/86R1212N
"	"	M83723/86W1212N
"	"	M83723/77R1212N
"	"	M83723/77W1212N
"	"	M83723/78R1212N
"	"	M83723/78W1212N
"	"	M83723/79H1212N
"	"	M83723/80H1212N
"	"	M83723/81H1212N
"	"	M83723/88H1212N
"	"	M83723/89H1212N
"	"	M83723/90H1212N
"	"	M83723/91R1212N
"	"	M83723/91W1212N
"	"	M83723/92R1212N
"	"	M83723/92W1212N
"	"	M83723/93H1212N
"	"	M83723/94H1212N
"	"	M83723/95R1212N
"	"	M83723/95K1212N
"	"	M83723/96R1212N
"	"	M83723/96K1212N
"	"	M83723/97S1212N
"	"	M83723/98S1212N
14	16	M83723/65H1814N
"	"	M83723/68R1814N
"	"	M83723/68W1814N
"	"	M83723/69R1814N
"	"	M83723/69W1814N
"	"	M83723/72R1814N
"	"	M83723/72W1814N
"	"	M83723/71R1814N
"	"	M83723/71W1814N
"	"	M83723/83R1814N
"	"	M83723/83S1814N
"	"	M83723/83W1814N
"	"	M83723/82R1814N
"	"	M83723/82S1814N
"	"	M83723/82W1814N
"	"	M83723/74R1814N
"	"	M83723/74W1814N
"	"	M83723/73R1814N
"	"	M83723/73W1814N
"	"	M83723/85R1814N
"	"	M83723/85S1814N
"	"	M83723/85W1814N
"	"	M83723/84R1814N
"	"	M83723/84S1814N
"	"	M83723/84W1814N
"	"	M83723/76R1814N
"	"	M83723/76W1814N
"	"	M83723/75R1814N
"	"	M83723/75W1814N
"	"	M83723/87R1814N
"	"	M83723/87W1814N

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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
19	16	M83723/92R2219N
"	"	M83723/92W2219N
"	"	M83723/93H2219N
"	"	M83723/94H2219N
"	"	M83723/95R2219N
"	"	M83723/95K2219N
"	"	M83723/96R2219N
"	"	M83723/96K2219N
24	20	M83723/65H1624N
"	"	M83723/68R1624N
"	"	M83723/68W1624N
"	"	M83723/69R1624N
"	"	M83723/69W1624N
"	"	M83723/72R1624N
"	"	M83723/72W1624N
"	"	M83723/71R1624N
"	"	M83723/71W1624N
"	"	M83723/83R1624N
"	"	M83723/83S1624N
"	"	M83723/83W1624N
"	"	M83723/82R1624N
"	"	M83723/82S1624N
"	"	M83723/82W1624N
"	"	M83723/74R1624N
"	"	M83723/74W1624N
"	"	M83723/73R1624N
"	"	M83723/73W1624N
"	"	M83723/85R1624N
"	"	M83723/85S1624N
"	"	M83723/85W1624N
"	"	M83723/84R1624N
"	"	M83723/84S1624N
"	"	M83723/84W1624N
"	"	M83723/76R1624N
"	"	M83723/76W1624N
"	"	M83723/75R1624N
"	"	M83723/75W1624N
"	"	M83723/87R1624N
"	"	M83723/87W1624N
"	"	M83723/86R1624N
"	"	M83723/86W1624N
"	"	M83723/77R1624N
"	"	M83723/77W1624N
"	"	M83723/78R1624N
"	"	M83723/78W1624N
"	"	M83723/79H1624N
"	"	M83723/80H1624N
"	"	M83723/81H1624N
"	"	M83723/88H1624N
"	"	M83723/89H1624N
"	"	M83723/90H1624N
"	"	M83723/91R1624N
"	"	M83723/91W1624N
"	"	M83723/92R1624N
"	"	M83723/92W1624N
"	"	M83723/93H1624N
"	"	M83723/94H1624N
"	"	M83723/95R1624N
"	"	M83723/95K1624N



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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
15	20	M83723/88H1415N
"	"	M83723/89H1415N
"	"	M83723/90H1415N
"	"	M83723/91R1415N
"	"	M83723/91W1415N
"	"	M83723/92R1415N
"	"	M83723/92W1415N
"	"	M83723/93H1415N
"	"	M83723/94H1415N
"	"	M83723/95R1415N
"	"	M83723/95K1415N
"	"	M83723/96R1415N
"	"	M83723/96K1415N
"	"	M83723/97S1415N
"	"	M83723/98S1415N
19	16	M83723/65H2219N
"	"	M83723/68R2219N
"	"	M83723/68W2219N
"	"	M83723/69R2219N
"	"	M83723/69W2219N
"	"	M83723/72R2219N
"	"	M83723/72W2219N
"	"	M83723/71R2219N
"	"	M83723/71W2219N
"	"	M83723/83R2219N
"	"	M83723/83S2219N
"	"	M83723/83W2219N
"	"	M83723/82R2219N
"	"	M83723/82S2219N
"	"	M83723/82W2219N
"	"	M83723/74R2219N
"	"	M83723/74W2219N
"	"	M83723/73R2219N
"	"	M83723/73W2219N
"	"	M83723/85R2219N
"	"	M83723/85S2219N
"	"	M83723/85W2219N
"	"	M83723/84R2219N
"	"	M83723/84S2219N
"	"	M83723/84W2219N
"	"	M83723/76R2219N
"	"	M83723/76W2219N
"	"	M83723/75R2219N
"	"	M83723/75W2219N
"	"	M83723/87R2219N
"	"	M83723/87W2219N
"	"	M83723/86R2219N
"	"	M83723/86W2219N
"	"	M83723/77R2219N
"	"	M83723/77W2219N
"	"	M83723/78R2219N
"	"	M83723/78W2219N
"	"	M83723/79H2219N
"	"	M83723/80H2219N
"	"	M83723/81H2219N
"	"	M83723/88H2219N
"	"	M83723/89H2219N
"	"	M83723/90H2219N
"	"	M83723/91R2219N
"	"	M83723/91W2219N

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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
24	20	M83723/96R1624N
"	"	M83723/96K1624N
"	"	M83723/97S1624N
"	"	M83723/98S1624N
31	"	M83723/65H1831N
"	"	M83723/68R1831N
"	"	M83723/68W1831N
"	"	M83723/69R1831N
"	"	M83723/69W1831N
"	"	M83723/72R1831N
"	"	M83723/72W1831N
"	"	M83723/71R1831N
"	"	M83723/71W1831N
"	"	M83723/83R1831N
"	"	M83723/83S1831N
"	"	M83723/83W1831N
"	"	M83723/82R1814N
"	"	M83723/82S1831N
"	"	M83723/82W1831N
"	"	M83723/74R1831N
"	"	M83723/74W1831N
"	"	M83723/73R1831N
"	"	M83723/73W1831N
"	"	M83723/85R1831N
"	"	M83723/85S1831N
"	"	M83723/85W1831N
"	"	M83723/84R1831N
"	"	M83723/84S1831N
"	"	M83723/84W1831N
"	"	M83723/76R1831N
"	"	M83723/76W1831N
"	"	M83723/75R1831N
"	"	M83723/75W1831N
"	"	M83723/87R1831N
"	"	M83723/87W1831N
31	"	M83723/86R1831N
"	"	M83723/86W1831N
"	"	M83723/77R1831N
"	"	M83723/77W1831N
"	"	M83723/78R1831N
"	"	M83723/78W1831N
"	"	M83723/79H1831N
"	"	M83723/80H1831N
"	"	M83723/81H1831N
"	"	M83723/88H1831N
"	"	M83723/89H1831N
"	"	M83723/90H1831N
"	"	M83723/91R1831N
"	"	M83723/91W1831N
"	"	M83723/92R1831N
"	"	M83723/92W1831N
"	"	M83723/93H1831N
"	"	M83723/94H1831N
"	"	M83723/95R1831N
"	"	M83723/95K1831N
"	"	M83723/96R1831N
"	"	M83723/96K1831N
"	"	M83723/97S1831N
"	"	M83723/98S1831N

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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
55	20	M83723/65H2255N
"	"	M83723/68R2255N
"	"	M83723/68W2255N
"	"	M83723/69R2255N
"	"	M83723/69W2255N
"	"	M83723/72R2255N
"	"	M83723/72W2255N
"	"	M83723/71R2255N
"	"	M83723/71W2255N
"	"	M83723/83R2255N
"	"	M83723/83S2255N
"	"	M83723/83W2255N
"	"	M83723/82R2255N
"	"	M83723/82S2255N
"	"	M83723/82W2255N
"	"	M83723/74R2255N
"	"	M83723/74W2255N
"	"	M83723/73R2255N
"	"	M83723/73W2255N
"	"	M83723/85R2255N
"	"	M83723/85S2255N
"	"	M83723/85W2255N
"	"	M83723/84R2255N
"	"	M83723/84S2255N
"	"	M83723/84W2255N
"	"	M83723/76R2255N
"	"	M83723/76W2255N
"	"	M83723/75R2255N
"	"	M83723/75W2255N
"	"	M83723/87R2255N
"	"	M83723/87W2255N
"	"	M83723/86R2255N
"	"	M83723/86W2255N
"	"	M83723/77R2255N
"	"	M83723/77W2255N
"	"	M83723/78R2255N
"	"	M83723/78W2255N
"	"	M83723/91R2255N
"	"	M83723/91W2255N
"	"	M83723/92R2255N
"	"	M83723/92W2255N
"	"	M83723/93H2255N
"	"	M83723/94H2255N
61	"	M83723/65H2461N
"	"	M83723/68R2461N
"	"	M83723/68W2461N
"	"	M83723/69R2461N
"	"	M83723/69W2461N
"	"	M83723/72R2461N
"	"	M83723/72W2461N
"	"	M83723/71R2461N
"	"	M83723/71W2461N
"	"	M83723/74R2461N
"	"	M83723/74W2461N
"	"	M83723/73R2461N
"	"	M83723/73W2461N
"	"	M83723/76R2461N
"	"	M83723/76W2461N
"	"	M83723/75R2461N
"	"	M83723/75W2461N
"	"	M83723/77R2461N

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TABLE 101-III. Standard connectors, MIL-C-83723, series III - Continued.

Number of contacts	Contact size (number)	MIL-C-83723 part number
61	20	M83723/77W2461N
"	"	M83723/78R2461N
"	"	M83723/78W2461N
"	"	M83723/79H2461N
"	"	M83723/80H2461N
"	"	M83723/81H2461N
"	"	M83723/91R2461N
"	"	M83723/91W2461N
"	"	M83723/92R2461N
"	"	M83723/92W2461N
"	"	M83723/93H2461N
"	"	M83723/94H2461N
28	(24)-20, (4)-12	M83723/68R2028N
"	"	M83723/68W2028N
"	"	M83723/69R2028N
"	"	M83723/69W2028N
"	"	M83723/72R2028N
"	"	M83723/72W2028N
"	"	M83723/71R2028N
"	"	M83723/71W2028N
"	"	M83723/83R2028N
"	"	M83723/83S2028N
"	"	M83723/83W2028N
"	"	M83723/82R2028N
"	"	M83723/82S2028N
"	"	M83723/82W2028N
"	"	M83723/74R2028N
"	"	M83723/74W2028N
"	"	M83723/73R2028N
"	"	M83723/73W2028N
"	"	M83723/85R2028N
"	"	M83723/85S2028N
"	"	M83723/85W2028N
"	"	M83723/84R2028N
"	"	M83723/84S2028N
"	"	M83723/84W2028N
"	"	M83723/76R2028N
"	"	M83723/76W2028N
"	"	M83723/75R2028N
"	"	M83723/75W2028N
"	"	M83723/87R2028N
"	"	M83723/87W2028N
"	"	M83723/86R2028N
"	"	M83723/86W2028N
"	"	M83723/77R2028N
"	"	M83723/77W2028N
"	"	M83723/78R2028N
"	"	M83723/78W2028N
"	"	M83723/79H2028N
"	"	M83723/80H2028N
"	"	M83723/81H2028N
"	"	M83723/91R2028N
"	"	M83723/91W2028N
"	"	M83723/92R2028N
"	"	M83723/92W2028N
"	"	M83723/93H2028N
"	"	M83723/95R2028N
"	"	M83723/95K2028N
"	"	M83723/95W2028N
"	"	M83723/96R2028N
"	"	M83723/96K2028N
"	"	M83723/96W2028N

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TABLE 102-II. Standard connectors, MIL-C-22992 type, Class L - Continued.

Interconnection system	Component parts 1/ 2/	Interconnection system	Component parts 1/ 2/
60 amperes 240/416 Vac 3 phase 4 wire grounding 60 Hz	MS90555C32512S MS90555C32513S MS90556C32512P MS90556C32513P MS90557C32512S MS90557C32513S MS90558C32512P MS90558C32513P	100 ampere 120 Vac single phase 2 wire grounding 400 Hz	MS90555C44404SW MS90555C44405SW MS90556C44404PW MS90556C44405PW MS90557C44404SW MS90557C44405SW MS90558C44404PW MS90558C44405PW
60 amperes 240/416 Vac 3 phase 4 wire grounding 400 Hz	MS90555C32512SY MS90555C32513SY MS90556C32512PY MS90556C32513PY MS90557C32512SY MS90557C32513SY MS90558C32512PY MS90558C32513PY		
60 amperes 277/480 Vac 3 phase 4 wire grounding 60 Hz	MS90555C32612S MS90555C32613S MS90556C32612P MS90556C32613P MS90557C32612S MS90557C32613S MS90558C32612P MS90558C32613P		
100 ampere 28 Vdc 2 wire nongrounding	MS90555N44N02S MS90555N44N03S MS90556N44N02P MS90556N44N03P MS90557N44N02S MS90557N44N03S MS90558N44N02P MS90558N44N03P	100 amperes 120/240 Vac single phase 3 wire grounding 60 Hz	MS90555C44406S MS90556C44406P MS90557C44406S MS90558C44406P
100 ampere 120 Vac single phase 2 wire grounding 60 Hz	MS90555C44404S MS90555C44405S MS90556C44404P MS90556C44405P MS90557C44404S MS90557C44405S MS90558C44404P MS90558C44405P	100 amperes 120/208 Vac 3 phase 4 wire grounding 60 Hz  100 amperes 120/208 Vac 3 phase 4 wire grounding 400 Hz	MS90555C44412S MS90555C44413S MS90556C44412P MS90556C44413P MS90557C44412S MS90557C44413S MS90558C44412P MS90558C44413P MS90555C44412SW MS90555C44413SW MS90556C44412PW MS90556C44413PW MS90557C44412SW MS90557C44413SW MS90558C44412PW MS90558C44413PW

1/ MS90555 - power source; MS90556 - cable plug; MS90557 - cable receptacle;  
MS90558 - equipment plug.

2/ 02, 04, 06, 12 for Air Force and Navy use; 03, 05, 07, 13 for Army use.

Supersedes page 102.57 of 2 July 1980.

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