

MIL-STD-1353B

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SUPERSEDING

MIL-STD-1353A

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MILITARY STANDARD

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



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DEPARTMENT OF DEFENSE
Washington, DC 20301

Electrical Connectors, Plug-In Sockets, and Associated Hardware, Selection and Use of
MIL-STD-1353B.

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Beneficial comments (recommendations, additions, deletions) and pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Electronic Systems Command, Attn: Code 5043, Washington, DC 20360, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

MIL-STD-1353B
2 July 1980

FOREWORD

This standard provides selected electrical connector and plug-in socket types and associated hardware which are approved for use in the design of military equipment.

The selection guidance contained in this standard is to assist in guiding the project engineer to the proper connector series.

The criteria for inclusion of electrical connector types and associated hardware in this standard are as follows:

- (a) The electrical connector and associated hardware shall be suitable for use in military equipment.
- (b) Electrical connectors and associated hardware shall be covered by Government specifications.
- (c) Electrical connectors and associated hardware shall be available for procurement.
- (d) Electrical connectors and associated hardware shall be suitable for multiple applications.
- (e) Electrical connectors and associated hardware shall be approved for listing or listed on applicable qualified products list.

MIL-STD-1353B
2 July 1980

	CONTENTS	<u>Page</u>
Paragraph		
1.	SCOPE- - - - -	1
1.1	Scope- - - - -	1
1.2	Purpose of standard- - - - -	1
2.	REFERENCED DOCUMENTS - - - - -	2
3.	DEFINITIONS- - - - -	8
4.	GENERAL REQUIREMENTS - - - - -	15
4.1	Choice of electrical connector and plug-in socket types and associated hardware- - - - -	15
4.1.1	Procurement information- - - - -	15
4.2	Conflict of requirements - - - - -	15
5.	DETAIL REQUIREMENTS	16
5.1	Detail requirements	16
5.2	Selection guidance	16
5.3	Principal applications	16
5.3.1	Multicontact connectors- - - - -	16

	SECTIONS	
Section		
100	MULTICONTACT CONNECTORS	100.1
200	RADIO FREQUENCY CONNECTORS	200.1
300	ASSOCIATED CONNECTOR HARDWARE	300.1
400	PLUG-IN SOCKETS	400.1

MIL-STD-1353B

2 July 1980

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 reference and selection. The applicable connector specification shall be used for specific design details.

MIL-STD-1353B
2 July 1980

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-26482 - Connectors, Electrical (Circular, Miniature, Quick Disconnect, Environment Resisting) Receptacles and Plugs, 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, Environment Resistant, Removable Crimp Contacts.

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-STD-1353B
2 July 1980

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-39029/27	- Contacts, Electrical Connector, Socket, Crimp Removable, Shielded, (For MIL-C-38999 Series II 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 I Connectors).
MIL-C-39029/49	- Contacts, Electrical Connector, Socket, Crimp Removable, (For MIL-C-22992 Class I 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, III 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-STD-1353B

2 July 1980

- 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.
- 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.
- MIL-STD-1669 - Insert Arrangements for MIL-C-26482 Environment Resisting, Circular, Electrical Connectors.
- MS3101 - Connector, Plug, Electric, Cable Connecting, Solder Contacts, AN Type.
- MS3102 - Connector, Receptacle, Electric, Box Mounting, Solder Contacts, AN Type.

MIL-STD-1353B
2 July 1980

MS3106	- Connector, Plug, Electric, Straight, Solder Contacts, AN Type.
MS3108	- Connectors, Plug, Electric, Solder Contact, 90 Degree, AN Type.
MS3110	- Connectors, Receptacle, Electric, Series 1, Solder Type, Wall Mounting Flange, Bayonet Coupling.
MS3111	- Connectors, Plug, Electric, Series 1, Solder Type, Type, Cable Connecting, Bayonet Coupling.
MS3112	- Connectors, Receptacle, Electric, Series 1, Box Mounting Flange, Bayonet Coupling, Solder Contact.
MS3114	- Connectors, Receptacle, Electric, Series 1, Solder Type, Jam Nut, Mounting, Bayonet Coupling.
MS3116	- Connectors, Plug, Electric, Series 1, Solder Type, Straight, Bayonet Coupling.
MS3157	- Insert Arrangements, MIL-C-81659 Electric Connector, Series 1 and 2.
MS3172	- Contacts, Electric, Coaxial, Pin, Crimp, Size 8
MS3173	- Contacts, Electric, Coaxial, Socket, Crimp, Size 5
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.
MS3470	- Connector, Receptacle, Electric, Series 2, Crimp Type, Narrow Flange Mount, Bayonet Coupling, Classes L and E.
MS3471	- Connector, Receptacle, Electric, Series 2, Crimp Type, Cable Connecting, Bayonet Coupling, Classes L and E.
MS3472	- Connector, Receptacle, Electric, Series 2, Crimp Type, Wide Flange Mounting, Bayonet Coupling, Classes L and E.
MS3474	- Connector, Receptacle, Electric, Series 2, Crimp Type, Rear Mounting Jam Nut, Bayonet Coupling, Classes L and E.
MS3476	- Connector, Plug, Electric, Series 2, Crimp Type, Bayonet Coupling, Classes L and E.
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.

MIL-STD-1353B
2 July 1980

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.
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

MIL-STD-1353B

2 July 1980

- 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-removeable.
- 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.
- MS27472 - Connector, Receptacle, Electrical, Wall Mounting Flange, Crimp Type, Bayonet Coupling.
- MS27473 - Connector, Plug, Straight, Crimp Type, Bayonet Coupling.
- MS27474 - Connector, Receptacle, Electrical, Jam Nut Mounting, Crimp Type, Bayonet Coupling.
- MS27475 - Connector, Receptacle, Electrical, Wall Mounting Flange, Solder Type, Hermetic Seal.
- MS27476 - Connector, Receptacle, Electrical, Box Mounting, Solder Type, Hermetic Seal.
- MS27477 - Connector, Receptacle, Electrical, Jam Nut Mounting, Solder Type, Hermetic Seal.
- MS27478 - Connector, Receptacle, Electrical, Solder Mounting, Solder Type, Hermetic Seal.
- MS27484 - Connector, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling.
- MS27496 - Connector, Receptacle, Electrical, Box Mounting, Crimp Type, Bayonet Coupling.
- MS27497 - Connector, Receptacle, Electrical, Back Panel Wall Mounting Flange, Crimp Type, Bayonet Coupling.
- MS27499 - Connector, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling.
- MS27505 - Connector, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling.
- MS27508 - Connector, Receptacle, Electrical, Back Panel Box Mounting Flange, Crimp Type, Bayonet Coupling.
- MS27656 - Connector, Receptacle, Electrical, Back Panel Wall Mounting Flange, Crimp Type, Bayonet Coupling.
- MS90555 - Connector, Receptacle, Electrical Wall Mounting Class L (Power Source Receptacle).
- MS90556 - Connector, Plug, Electrical, Straight, Class L.
- 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.

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

MIL-STD-1353B
2 July 1980

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) Ambient temperature. The temperature of the environment, usually air, surrounding a connector.
- (c) Back-mounted. A connector mounted from the inside of a panel or box with its mounting flange inside the equipment.
- (d) 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.
- (e) Barrel chamfer. Bevel at the end of the conductor barrel for easier entry of the conductor.
- (f) Basis metal. Metal from which the connector components are made and on which one or more metals or coatings may be deposited.
- (g) 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.
- (h) Belled mouth (bellmouth). The flared or wide entrance of a terminal, splice or contact barrel to permit easier insertion of the conductor.
- (i) Bifurcated contact. Describes lengthwise slotting of a flat spring contact as used in a printed circuit edge connector.
- (j) 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.
- (k) Boot. A form placed around the wire terminations of a multiple contact connector as a protective housing or as a container for potting compound.
- (l) Braid. Flexible conductor made of a woven or braided assembly of fine wires.
- (m) Busing. The joining of two or more circuits.
- (n) Butting dies. Crimping dies so designed that the nest and indenter touch at the end of the crimping cycle. (Also called bottoming dies.)
- (o) 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.
- (p) Cable sealing clamp. A device consisting of a gland nut and sealing member designed to seal around a single jacket cable.

MIL-STD-1353B
2 July 1980

- (q) Cable shielding clamp. A device consisting of a sealing member and cable support designed to terminate the screen (shield) of an electrical cable.
- (r) Circumferential crimp. The type of crimp where the crimping dies completely surround a barrel resulting in symmetrical indentations in the barrel.
- (s) 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.
- (t) Color coding. A system of identification of terminals and related devices.
- (u) Conductor stop. A device on a terminal, splice, contact or tool used to prevent excessive extension of the conductor barrel.
- (v) 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.
- (w) 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.
- (x) Contact. The conductive element in a connector which makes actual contact for the purpose of transferring electrical energy.
- (y) Contact area. The area in contact between two conductors, two contacts, or a conductor and a contact permitting the flow of electricity.
- (z) Contact arrangement. The number, spacing and arrangement of contacts in a connector.
- (aa) Contact engaging and separating force. Force needed to either engage or separate contacts to mating contacts or gage pins.
- (ab) Contact float. The overall side play axial movement and/or angular displacement of contacts within the insert cavity.
- (ac) 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.
- (ad) Contact retainer. A device either on the contact or in the insert to retain the contact in an insert or body.
- (ae) Contact retention. The axial load in either direction which a contact can withstand without being dislodged from its normal position within an insert or body.
- (af) Contact size. An assigned number denoting the size of the contact engaging end.
- (ag) 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.
- (ah) 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.

MIL-STD-1353B
2 July 1980

- (ai) Cover, electrical connector. An item which is specifically designed to cover the mating end of a connector for mechanical and/or environmental protection.
- (aj) Creep distance. The shortest distance on the surface of an insulator separating two electrically conductive surfaces.
- (ak) Crimp. The physical compression (deformation) of a contact barrel around a conductor in order to make an electrical connection.
- (al) Crimping. A pressure method of mechanically securing a terminal, splice or contact to a conductor.
- (am) Crimping dies. Portion of the crimping tool that shapes the crimp.
- (an) Crimping tool. Mechanism used for crimping.
- (ao) 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.
- (ap) Depth of crimp. The distance the indenter penetrates into the barrel.
- (aq) Dielectric. A material having electrical insulating properties.
- (ar) 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.
- (as) 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.
- (at) Dust cover. (See cover, electrical connector.)
- (au) 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.
- (av) Extraction tool. A device used for removing removable contacts from a connector. A device used for removing taper pins from taper pin receptacles.
- (aw) Ferrule. A short tube. Used to make connections to shielded or coaxial cables. Also used in connectors to reduce transmission of torque to grommet.
- (ax) Flange, connector. A projection extending from or around the periphery of a connector with provisions to permit mounting the connector to a panel.
- (ay) Front mounted. A connector mounted on the outside of a panel or box with its mounting flange outside the equipment.
- (az) 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.
- (ba) Gang disconnect. A connector that permits the rapid and simultaneous disconnection of two or more electrical circuits.

MIL-STD-1353B
2 July 1980

- (bb) Grid spaced. When contacts in a multiple contact connector are spaced in a geometric pattern.
- (bc) Grommet, connector. An elastomeric seal used on the cable side of a connector to seal the connector against moisture, dirt and air.
- (bd) 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.
- (be) Head assembly. A positioner designed to attach to a crimping tool in place of a turret head.
- (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.
- (bg) Hermaphroditic contacts. A contact design which is neither pin nor socket and which mates with other contacts of the same design.
- (bh) Housing, connector, electrical. Connector less insert, but with insert-retaining and positioning hardware required by standard construction.
- (bi) Indentor. That part of a crimping tool, usually the moving part, that compresses indentations in the contact conductor barrel.
- (bj) Insert, electrical connector. An insulating element with or without contact(s), designed to position and support contacts in a connector.
- (bk) Insertion tool. A device used to insert contacts into a connector. A device used to insert taper pins into taper pin receptacles.
- (bl) 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.
- (bm) Insulation support. The portion of a barrel similar to an insulation grip except that it is not compressed around the conductor insulation.
- (bn) 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.
- (bo) Interfacial seal. A sealing of mated connectors over the whole area of the interface to provide sealing around each contact.
- (bp) Jacket. The outermost layer of insulating Material of a cable or wire.
- (bq) 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.
- (br) 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.

MIL-STD-1353B
2 July 1980

- (bs) Keyway. A slot or groove in which a key slides.
- (bt) 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.
- (bu) Locking spring. (See contact retainer.)
- (bv) Mate. The joining of two connectors.
- (bw) 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.
- (bx) Nest. The portion of a crimping die which supports the barrel during crimping.
- (by) Nick (notch). A cut or notch in conductor strands or insulation.
- (bz) Operating temperature. The maximum internal temperature resistant capabilities of a connector in continuous service.
- (ca) Panel. The side or front of a piece of equipment, usually metal, on which connectors are mounted.
- (cb) Pigtail. A short wire extending from an electric or electronic device to serve as a jumper or ground connection.
- (cc) Pin contact. A contact having an engagement end that enters the socket contact.
- (cd) Plating. The overlaying of a thin coating of metal on metallic components to improve conductivity, provide for easy soldering or prevent rusting or corrosion.
- (ce) 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.
- (cf) Polarize. The arrangement of mating connectors such that the connector can be mated in only one way.
- (cg) Polarizing pin, key or keyway. A device incorporated in a connector to accomplish polarization.
- (ch) 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.
- (ci) Post insulate. To insulate a connection after assembly.
- (cj) 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.

MIL-STD-1353B

2 July 1980

- (ck) Potting form. (Not preferred - see mold, potting, electrical connector.)
- (cl) Pre-insulate. The insulation of a connector prior to assembly of the contact or terminal on the conductor.
- (cm) Pre-tinned. Solder applied to either or both the contact and conductor prior to soldering.
- (cn) 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.
- (co) Quick disconnect. A type of connector or splice which permits relatively rapid locking and unlocking of mating parts.
- (cp) Rack. A type of structure used to house electronic components which permits convenient removal of portions of equipment.
- (cq) Ram. The moving portion in the head of a crimping tool.
- (cr) Range, wire. The sizes of conductors accommodated by a particular barrel. Also the diameters of wires accommodated by a sealing grommet.
- (cs) Ratchet control. A device to ensure the full crimping cycle of a crimping tool.
- (ct) 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.
- (cu) 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.
- (cv) Screwlock. (See jackscrew.)
- (cw) Seamless terminal or splice. Terminal or splice conductor barrel made without an open seam.
- (cx) 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.
- (cy) Service life. A period of time which a device is expected to perform satisfactorily.
- (cz) Service rating. The maximum voltage or current which a connector is designed to carry continuously.
- (da) Shell, electrical connector. The outside case of a connector into which the dielectric material and contacts are assembled.
- (db) 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.
- (dc) Shroud, insulation. (See insulation support.)

MIL-STD-1353B
2 July 1980

- (dd) Slotted tongue. A slotted tongue for sliding onto the screw or stud so that neither screw nor unit needs removing.
- (de) Sockets. For plug in devices, for use on panel boards, printed circuit boards, and microelectronic components.
- (df) Socket contact. A contact having an engagement end that will accept entry of a pin contact.
- (dg) Solder cup. The end of a terminal or contact in which the conductor is inserted prior to being soldered.
- (dh) Solder eye. A solder type contact provided with a hole at its end through which a wire can be inserted prior to being soldered.
- (di) Solderless connection. The joining of two metals by pressure means without the use of solder, braze or any method requiring heat.
- (dj) 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.
- (dk) Spade tongue terminal. Slotted tongue terminal designed to slip around a screw or stud without removing the nut.
- (dl) Splice. Device used to join two or more conductors to each other.
- (dm) 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.
- (dn) Strain relief clamp. (See cable clamp.)
- (do) Strip. To remove insulation from a conductor.
- (dp) Threaded coupling. A means of coupling mating connectors by engaging threads in a coupling ring with threads on a receptacle shell.
- (dq) 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.
- (dr) Unbilical 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.
- (ds) Wiping action (see contact wipe). Action of two electrical contacts which come in contact by sliding against each other.
- (dt) 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.
- (du) Working voltage (see service rating). Maximum voltage at which a connector is rated to operate.

MIL-STD-1353B

2 July 1980

4. GENERAL REQUIREMENTS

4.1 Choice of electrical connector or plug-in socket and associated hardware. The equipment designer should consider the following characteristics and parameters in choosing the most suitable electrical connector design and associated hardware.

- (a) Application (type of connector).
- (b) Number of circuits required.
- (c) Electrical capabilities required.
- (d) Shock, vibration, and environmental capabilities.
- (e) Mechanical data and safety features.
- (f) Quality and reliability.
- (g) System standardization.
- (h) Maintainability.

4.1.1 Procurement information. After a preliminary selection of the desired electrical connector or associated hardware has been made, reference should be made to the applicable specification and qualified products list. Procurement documents for connectors or associated hardware shall reference the applicable specification sheet or MS sheet, and the complete part number, style, or type designation.

4.2 Conflict of requirements. After selection of a particular electrical connector type or associated hardware from this document, the design engineer should refer to the applicable specification or MS sheet for any technical conflicts. In the event of a conflict between the technical requirements described in this standard and those of the applicable specification or MS sheet, the latter shall govern.

MIL-STD-1353B
2 July 1980

5. DETAIL REQUIREMENTS

5.1 Detail requirements. The detail requirements for the selection of electrical connector and plug-in socket types and associated hardware are given in the applicable section of this standard.

5.2 Selection guidance. The selection guidance information in this standard is intended to help the engineer select the electrical connectors, plug-in sockets, and associated hardware. (The selection guidance information pertaining to specific connector types is contained in the application section of this standard.) The most important thing a user must decide is which of the numerous types of connectors, plug-in sockets, and associated hardware will be the most suitable for use in the particular military equipment being designed. Proper selection, in its broadest sense, is the first step in building reliable equipment. To effectively and properly select the connectors and associated hardware to be used, the user must know as much as possible about the types from which to choose. The advantages and disadvantages, the behavior under various environmental conditions, construction, the effect upon the circuit, and the effect of the circuit upon the connector should be considered.

5.3 Principal applications.

5.3.1 Multicontact connectors (see section 100).

5.3.2 Radio frequency connectors (see section 200).

5.3.3 Associated connector hardware (see section 300).

5.3.4 Socket, plug-in (see section 400).

MIL-STD-1353B
2 July 1980

Custodians:

Army - CR
Navy - EC
Air Force - 11

Review activities:

Army - MI, AT
Navy - AS, SH
Air Force - 10, 99, 85
DLA - ES

User activities:

Army - AR
Navy - MC, CG, OS

Preparing activity:

Navy - EC

Agent:

DLA - ES

(Project 5935-3074)

MIL-STD-1353B
2 July 1980

SECTION 100

MULTICONNECT CONTACT CONNECTORS

<u>Section</u>		<u>Page</u>
101	CONNECTORS, CYLINDRICAL, GENERAL DUTY	101.1
102	CONNECTORS, CYLINDRICAL, HEAVY DUTY	102.1
103	CONNECTORS, RACK AND PANEL	103.1
104	CONNECTORS, PRINTED WIRING BOARD	104.1
105	CONNECTORS, TEST POINT	105.1
106	CONNECTORS, POWER, GENERAL DUTY	106.1
107	CONNECTORS, FLAT CABLE	107.1

MIL-STD-1353B
2 July 1980

SECTION: 101

CONNECTORS, CYLINDRICAL, GENERAL DUTY

(Applicable specifications: MIL-C-5015, MIL-C-26482
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.		101.3
MS3100's	- Solder contacts Contact sizes: 0, 4, 8, 12, 16 Temperature range: -65°C to +85°C Coupling: Threaded	Army: For ground equipment only; limited to environmentally protected applications. Navy: Not for use. Air Force: Not for use.	101.5
MS3400's	- Crimp contacts, front release Contact sizes: 0, 4, 8, 12, 16 Temperature range: -65°C to +200°C Couplings: Threaded Hi-impact shock shell	Army: Not for use. Navy: For shipboard jacketed cable applications only. Air Force: Not for use.	101.10
MS3450's	- Crimp contacts, rear release Contact sizes: 0, 4, 8, 12, 16 Temperature range: Class L - -65°C to +200°C Electroless nickel Class W - -65°C to +200°C Cadmium over suitable underplate Class K - -65°C to +200°C Firewall Coupling: Threaded	Army: Limited to environmentally protected applications on ground equipment. No restrictions on other than ground equipment. Navy (Class W and K only) not for shipboard jacketed cable applications. Air Force: Not for use except where 0, 4, and 8 size contacts are required.	101.15
MIL-C-26482	- This specification covers the general requirements for two series of environment resisting, quick disconnect, miniature, circular electric connectors and accessories. Each series contains hermetic receptacles. The two series of connectors are interchangeable and when intermated meet the minimum performance requirements of series 1 connectors.		101.29
MS3110's (Series 1)	Solder contacts Contact sizes: 16, 20 Temperature range: -55°C to +125°C Coupling: Bayonet	Army: For ground equipment only. For use where water pressurization is a requirement. Navy: Not for use. Air Force: Not for use.	101.30

MIL-STD-1353B

2 July 1980

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
MIL-C-38999	- This specification covers two series of miniature, high density, quick disconnect, bayonet coupling, circular, environment resistant, electrical connectors capable of continuous operation within a temperature range of -65°C (-85°F) to $+200^{\circ}\text{C}$ (392°F). These connectors are supplied under a MIL-STD-790 reliability assurance program.		101.36
Series I	- Crimp contacts, rear re-lease Solder contacts - Hermetic only Scoop-proof Contact sizes: 12, 16, 20 22D Temperature range: Finish B: -65°C to $+175^{\circ}\text{C}$ Finish F: -65°C to $+200^{\circ}\text{C}$ Finish D: -65°C to $+150^{\circ}\text{C}$ Coupling: Bayonet	Army: Limited to environmentally protected applications on ground equipment. No restrictions on other than ground equipment. Navy (finish B only): Not for shipboard jacketed cable applications. Air Force: No restrictions	101.38
Series II	- Crimp contacts, rear re-lease Solder contacts - Hermetic only Low silhouette, light weight Contact sizes: 12, 16, 20 22D Temperature range: Finish B: -65°C to $+175^{\circ}\text{C}$ Finish F: -65°C to $+200^{\circ}\text{C}$ Finish D: -65°C to $+150^{\circ}\text{C}$ Coupling: Bayonet	Army - Not for use. Navy: not for use. Air Force: No restrictions	101.48
MIL-C-83723	- 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 limits of -65°C (-85°F) to $+200^{\circ}\text{C}$ (392°F).		101.56
Series III	- Crimp contacts, rear re-lease Contact sizes: 12, 16, 20 Temperature range: -65°C to $+200^{\circ}\text{C}$ Coupling: Threaded and bayonet	Army: Not for ground applications. Navy: Not for use. Air Force: No restrictions.	101.57

MIL-STD-1353B
2 July 1980

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
MS3100	Solder contacts Contact sizes: 0, 4, 8, 12, 16 Temperature range: -65° to +85°C Coupling: Threaded	Army: For ground equipment only; limited to environmentally protected applications. Navy: Not for use. Air Force: Not for use.	101.5
MS3400	Crimp contacts, front release. Contact sizes: 0, 4, 8, 12, 16 Temperature range: -65° to +200°C Couplings: Threaded high-impact shock shell.	Army: Not for use. Navy: For shipboard jacketed cable applications only. Air Force: Not for use.	101.10
MS3450	Crimp contacts, rear release Contact sizes: 0, 4, 8, 12, 16 Temperature range: Class: L - -65° to +200°C electroless nickel. W - -65° to +200°C cadmium over suitable under- plate. K - 65° to +200°C firewall Coupling: Threaded	Army: Limited to environmentally protected applications on ground equipment. No restrictions on other than ground equipment. Navy: (class W and K only) not for shipboard jacketed cable applications. Air Force: Not for use except where 0, 4, and 8 size contacts are required.	101.15

MIL-STD-1353B

2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
SOLDER TYPE		
1 ↓ 2 ↓ 3 ↓ 4 ↓	16 ↓ 8 ↓	MS3101R8S-1P MS3101R8S-1S MS3102R8S-1P MS3102R8S-1S MS3106R8S-1P MS3106R8S-1S MS3106F8S-1P MS3106F8S-1S MS3108R8S-1P MS3108R8S-1S MS3101R12S-3P MS3101R12S-3S MS3101F12S-3P MS3101F12S-3S MS3102R12S-3P MS3102R12S-3S MS3106R12S-3P MS3106R12S-3S MS3106F12S-3P MS3106F12S-3S MS3108R12S-3P MS3108R12S-3S MS3101R10SL-3P MS3101R10SL-3S MS3101F10SL-3P MS3101F10SL-3S MS3102R10SL-3P MS3102R10SL-3S MS3106R10SL-3P MS3106R10SL-3S MS3106F10SL-3P MS3106F10SL-3S MS3108R10SL-3P MS3108R10SL-3S MS3101R14S-7P MS3101R14S-7S MS3101F14S-7P MS3101F14S-7S MS3102R14S-7P MS3102R14S-7S MS3106R14S-7P MS3106R14S-7S MS3106F14S-7P MS3106F14S-7S MS3108R14S-7P MS3108R14S-7S MS3101R22-22P MS3101R22-22S MS3101F22-22P MS3101F22-22S

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
SOLDER TYPE		
4	8	MS3102R22-22P
		MS3102R22-22S
		MS3106R22-22P
		MS3106R22-22S
		MS3106F22-22P
		MS3106F22-22S
		MS3108R22-22P
		MS3108R22-22S
	16	MS3101R14S-2P
		MS3101R14S-2S
		MS3101F14S-2P
		MS3101F14S-2S
		MS3102R14S-2P
		MS3102R14S-2S
		MS3106R14S-2P
		MS3106R14S-2S
		MS3106F14S-2P
		MS3106F14S-2S
		MS3108R14S-2P
		MS3108R14S-2S
5		MS3101R14S-5P
		MS3101R14S-5S
		MS3101F14S-5P
		MS3101F14S-5S
		MS3102R14S-5P
		MS3102R14S-5S
		MS3106R14S-5P
		MS3106R14S-5S
		MS3106F14S-5P
		MS3106F14S-5S
		MS3108R14S-5P
		MS3108R14S-5S
		MS3101R16S-8P
		MS3101R16S-8S
		MS3101F16S-8P
		MS3101F16S-8S
		MS3102R16S-8P
		MS3102R16S-8S
		MS3106R16S-8P
		MS3106R16S-8S
		MS3106F16S-8P
		MS3106F16S-8S
		MS3108R16S-8P
		MS3108R16S-8S
6		MS3101R14S-6P
		MS3101R14S-6S
		MS3101F14S-6P
		MS3101F14S-6S
		MS3102R14S-6P
		MS3102R14S-6S
		MS3106R14S-6P
		MS3106R14S-6S
		MS3106F14S-6P
		MS3106F14S-6S
		MS3108R14S-6P
		MS3108R14S-6S

MIL-S17-1353B

2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
SOLDER TYPE		
7	16	MS3101R16S-1P
		MS3101R16S-1S
		MS3101F16S-1P
		MS3101F16S-1S
		MS3102R16S-1P
		MS3102R16S-1S
		MS3106R16S-1P
		MS3106R16S-1S
		MS3106F16S-1P
		MS3106F16S-1S
		MS3108R16S-1P
		MS3108R16S-1S
10		MS3101R18-1P
		MS3101R18-1S
		MS3101F18-1P
		MS3101F18-1S
		MS3102R18-1P
		MS3102R18-1S
		MS3106R18-1P
		MS3106R18-1S
		MS3106F18-1P
		MS3106F18-1S
		MS3108R18-1P
		MS3108R18-1S
14		MS3101R20-27P
		MS3101R20-27S
		MS3101F20-27P
		MS3101F20-27S
		MS3102R20-27P
		MS3102R20-27S
		MS3106R20-27P
		MS3106R20-27S
		MS3106F20-27P
		MS3106F20-27S
		MS3108R20-27P
		MS3108R20-27S
16	(2)-12, (14)-16	MS3101R24-7P
		MS3101R24-7S
		MS3101F24-7P
		MS3101F24-7S
		MS3102R24-7P
		MS3102R24-7S
		MS3106R24-7P
		MS3106R24-7S
		MS3106F24-7P
		MS3106F24-7S
		MS3108R24-7P
		MS3108R24-7S

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
SOLDER TYPE		
17	16	MS3101R20-29P MS3101R20-29S MS3101F20-29P MS3101F20-29S MS3102R20-29P MS3102R20-29S MS3106R20-29P MS3106R20-29S MS3106F20-29P MS3106F20-29S MS3108R20-29P MS3108R20-29S MS3101R22-14P MS3101R22-14S MS3101F22-14P MS3101F22-14S MS3102R22-14P MS3102R22-14S MS3106R22-14F MS3106R22-14S MS3106F22-14P MS3106F22-14S MS3108R22-14P MS3108R22-14S MS3101R28-11P MS3101R28-11S MS3101F28-11P MS3101F28-11S MS3102R28-11P MS3102R28-11S MS3106R28-11P MS3106R28-11S MS3106F28-11P MS3106F28-11S MS3108R28-11P MS3108R28-11S MS3101R32-6P MS3101R32-6S MS3101F32-6P MS3101F32-6S MS3102R32-6P MS3102R32-6S MS3106R32-6P MS3106R32-6S MS3106F32-6P MS3106F32-6S MS3108R32-6P MS3108R32-6S
19	(4)-12, (18)-16	
22	(2)-4, (3)-8, (2)-12, & (16)-16	
23		

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
SOLDER TYPE		
24 ↓ 35 ↓ 37 ↓ 47 ↓	16 ↓ (7)-12, (28)-16 ↓ 16 ↓ (7)-12, (40)-16 ↓	MS3101R24-28P MS3101R24-28S MS3101F24-28P MS3101F24-28S MS3102R24-28P MS3102R24-28S MS3106R24-28P MS3106R24-28S MS3106F24-28P MS3106F24-28S MS3108R24-28P MS3108R24-28S MS3101R32-7P MS3101R32-7S MS3101F32-7P MS3101F32-7S MS3102R32-7P MS3102R32-7S MS3106R32-7P MS3106R32-7S MS3106F32-7P MS3106F32-7S MS3108R32-7P MS3108R32-7S MS3101R28-21P MS3101R28-21S MS3101F28-21P MS3101F28-21S MS3102R28-21P MS3102R28-21S MS3106R28-21P MS3106R28-21S MS3106F28-21P MS3106F28-21S MS3108R28-21P MS3108R28-21S MS3101R36-7P MS3101R36-7S MS3101F36-7P MS3101F36-7S MS3102R36-7P MS3102R36-7S MS3106R36-7P MS3106R36-7S MS3106F36-7P MS3106F36-7S MS3108R36-7P MS3108R36-7S

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
SOLDER TYPE		
48 ↓	16 ↓	MS3101R36-10P MS3101R36-10S MS3102R36-10P MS3102R36-10S MS3106R36-10P MS3106R36-10S MS3106F36-10P MS3106F36-10S MS3108R36-10P MS3108R36-10S
FRONT RELEASE CRIMP TYPE		
2 ↓ 3 ↓	16 ↓ 8 ↓ 12 ↓	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 MS3400D22-2P MS3400D22-2S MS3401D22-2P MS3401D22-2S MS3402D22-2P MS3402D22-2S MS3404D22-2P MS3404D22-2S MS3406D22-2P MS3406D22-2S MS3400D16-10P MS3400D16-10S MS3401D16-10P MS3401D16-10S MS3402D16-10P MS3402D16-10S MS3404D16-10P MS3404D16-10S MS3406D16-10P MS3406D16-10S

MIL-STD-1353B
2 July 1980

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	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 MS3406D10SL-3P MS3406D10SL-3S MS3400D12S-3P MS3400D12S-3S MS3401D12S-3P MS3401D12S-3S MS3402D12S-3P MS3402D12S-3S MS3404D12S-3P MS3404D12S-3S MS3406D12S-3P MS3406D12S-3S MS3400D32-17P MS3400D32-17S MS3401D32-17P MS3401D32-17S MS3402D32-17P MS3402D32-17S MS3404D32-17P MS3404D32-17S MS3406D32-17P MS3406D32-17S MS3400D22-22P MS3400D22-22S MS3401D22-22P MS3401D22-22S MS3402D22-22P MS3402D22-22S MS3404D22-22P MS3404D22-22S MS3406D22-22P MS3406D22-22S MS3400D18-10P MS3400D18-10S MS3401D18-10P MS3401D18-10S MS3402D18-10P MS3402D18-10S MS3404D18-10P MS3404D18-10S MS3406D18-10P MS3406D18-10S
4	4	
	8	
	12	

MIL-STD-1353B
2 July 1980

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		
4	12	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
		MS3406D18-4P
		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

MIL-STD-1353B
2 July 1980

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		
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 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

MIL-STD-1353B
2 July 1980

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		
54 60	16	MS3406D32-22S MS3400D40-62P MS3400D40-62S MS3401D40-62P MS3401D40-62S MS3402D40-62P MS3402D40-62S MS3404D40-62P MS3404D40-62S MS3406D40-62P MS3406D40-62S MS3400D40-56P MS3400D40-56S MS3401D40-56P MS3401D40-56S MS3402D40-56P MS3402D40-56S MS3404D40-56P MS3404D40-56S MS3406D40-56P MS3406D40-56S MS3400D44-52P MS3400D44-52S MS3401D44-52P MS3401D44-52S MS3402D44-52P MS3402D44-52S MS3404D44-52P MS3404D44-52S MS3406D44-52P MS3406D44-52S MS3400D22-23P MS3400D22-23S MS3401D22-23P MS3401D22-23S MS3402D22-23P MS3402D22-23S MS3404D22-23P MS3404D22-23S MS3406D22-23P MS3406D22-23S
85	(1)-12(D), (7)-12(A)	MS3400D18-1P MS3400D18-1S MS3401D18-1P MS3401D18-1S MS3402D18-1P MS3402D18-1S MS3404D18-1P MS3404D18-1S MS3406D18-1P MS3406D18-1S
104	(4)-16(A), (6)-16(INST)	
8		
10		

MIL-STD-1353B
2 July 1980

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 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 MS3459XS12S-3P MS3459XS12S-3S MS3459KT12S-3P MS3459KT12S-3S MS3450L16-11P MS3450L16-11S MS3450W16-11P MS3450W16-11S MS3451L16-11P MS3451L16-11S MS3451W16-11P MS3451W16-11S MS3452L16-11P MS3452L16-11S MS3452W16-11P
2	12	

MIL-STD-1353B

2 July 1980

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	MS3452W16-11S 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 MS3452L10SL-3P MS3452L10SL-3S

MIL-STD-1353B
2 July 1980

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	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 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 MS3450L32-17P MS3450L32-17S MS3450W32-17P MS3450W32-17S MS3451L32-17P MS3451L32-17S MS3451W32-17P MS3451W32-17S MS3452L32-17P MS3452L32-17S MS3452W32-17P

MIL-STD-1353B
2 July 1980TABLE 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	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

MIL-STD-1353B
2 July 1980

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		
4	12	MS3450L20-4P MS3450L20-4S MS3450W20-4P MS3450W20-4S 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

MIL-STD-1353B
2 July 1980

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		
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 MS3454W16S-8P MS3454W16S-8S MS3456L16S-8P

MIL-STD-1353B
2 July 1980

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	MS3456L16S-8S
5		MS3456W16S-8P
5		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
		MS3452L20-15P
		MS3452L20-15S
		MS3452W20-15P
		MS3452W20-15S
		MS3454L20-15P
		MS3454L20-15S
		MS3454W20-15P
		MS3454W20-15S

MIL-STD-1353B
2 July 1980

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	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

MIL-STD-1353B
2 July 1980

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		
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
		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
		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

MIL-STD-1353B
2 July 1980

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		
19 ↓ 24 ↓ 26 ↓ 37 ↓	16 ↓	MS3454W22-14P MS3454W22-14S MS3456L22-14P MS3456L22-14S MS3456W22-14P MS3456W22-14S MS3459KS22-14P MS3459KS22-14S 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 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 MS3450L28-21P MS3450L28-21S MS3450W28-21P MS3450W28-21S MS3451L28-21P MS3451L28-21S

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-5015 Part number
BREAK RELEASE CRIMP TYPE		
37	16	MS3451W28-21P MS3451W28-21S 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 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 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
48		
7	(2)-12, (5)-16	

2 July 1980

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	(2)-12, (5)-16	MS3456L18-9P
8	(7)-16, (1)-12	MS3456L18-9S
		MS3456W18-9P
		MS3456W18-9S
		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
14	(12)-16, (2)-4	MS3456W18-8S
		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
16	(2)-12, (14)-16	MS3456W32-9S
		MS3450L24-7P
		MS3450L24-7S
		MS3450W24-7P
		MS3450W24-7S
		MS3451L24-7P
		MS3451L24-7S
		MS3451W24-7P
		MS3451W24-7S
		MS3452L24-7P
		MS3452L24-7S
		MS3452W24-7P
		MS3452W24-7S

MIL-STD-1353B
2 July 1980

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		
16	(2)-12, (14)-16	MS3454L24-7P MS3454L24-7S MS3454W24-7P MS3454W24-7S MS3456L24-7P MS3456L24-7S MS3456W24-7P MS3456W24-7S
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
35	(28)-16, (7)-12	MS3459KS28-11P MS3459KS28-11S 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

MIL-STD-13538
2 July 1980

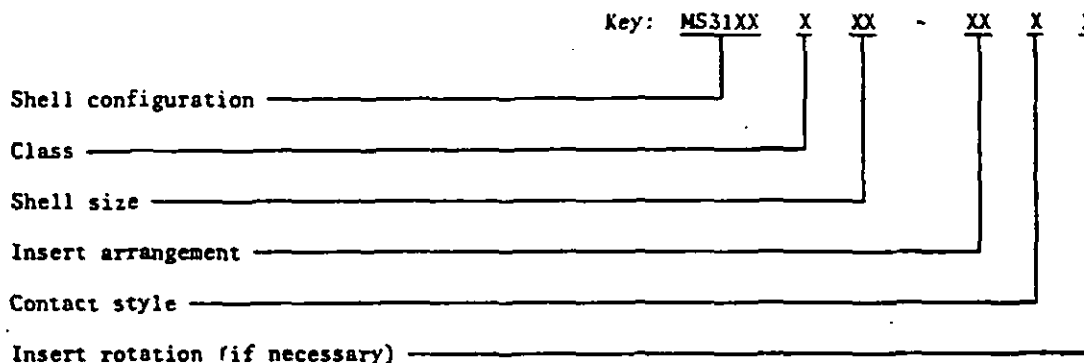
TABLE 101-I. Standard connectors, MIL-5-5015 type - Continued.

Number of contacts	Contact size (number)	MIL-5-5015 Part number
REAR RELEASE CRIMP TYPE		
47	(1)-12, (46)-16 (1)-12, (46)-16 (7)-12, (40)-16	MS3459KS36-8P MS3459KS36-8S 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 MS3454L36-7S MS3454W36-7P MS3454W36-7S MS3456L36-7P MS3456L36-7S MS3456W36-7P MS3456W36-7S

MIL-STD-1353B
2 July 1980

MIL-C-26482 PART NUMBER SYSTEM

Part No. example: MS3116F22-555



Criteria:

Shell configuration:

Series 1, solder

MS3110	- Receptacle, Wall Mounting Flange.
MS3111	- Plug, Cable Connecting.
MS3112	- Receptacle, Box Mounting Flange.
MS3114	- Receptacle, Jam Nut.
MS3116	- Plug, Straight.
MS3119	- Receptacle, Thru-Bulkhead.

Class: E - Environment resisting.
F - Environment resisting with saddle-type-cable clamp.
J - Insert seal with gland seal for jacketed cable.
L - Fluid resistant.

Shell size: Shell size in sixteenths of an inch.

Insert arrangement: See MIL-STD-1669.

Contact style: P - Pin contact. See MIL-C-26482.
S - Socket contact. See MIL-C-26482.

Insert rotation (if necessary): Normal rotation is considered preferred; however, alternate rotations when required by a system need not apply for non-standard part approval.

MS3110's (Series 1)	Solder contacts Contact sizes: 16, 20 Temperature range: -55°C to +125°C Coupling: Bayonet	Army: For ground equipment only. For use where water pressure- ization is a require- ment. Navy: Not for use. Air Force: Not for use.	101.30
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Standard connectors: See table 101-II.

MIL-STD-1353B
2 July 1980

TABLE 101-II. Standard connectors, MIL-C-26482 type.

Number of contacts	Contact size (number)	MIL-C-26482 part number
SERIES 1 - SOLDER		
3	16	MS3110F12-3P MS3110F12-3S MS3111F12-3P MS3111F12-3S MS3111J12-3P MS3111J12-3S MS3112E12-3P MS3112E12-3S MS3114E12-3P MS3114E12-3S MS3114F12-3P MS3114F12-3S MS3116F12-3P MS3116F12-3S MS3116J12-3P MS3116J12-3S MS3119E12-3
5		MS3110F14-5P MS3110F14-5S MS3111F14-5P MS3111F14-5S MS3111J14-5P MS3111J14-5S MS3112E14-5P MS3112E14-5S MS3114E14-5P MS3114E14-5S MS3114F14-5P MS3114F14-5S MS3116F14-5P MS3116F14-5S MS3116J14-5P MS3116J14-5S MS3119E14-5
6	20	MS3110F10-6P MS3110F10-6S MS3111F10-6P MS3111F10-6S MS3111J10-6P MS3111J10-6S MS3112E10-6P MS3112E10-6S MS3114E10-6P MS3114E10-6S MS3114F10-6P MS3114F10-6S MS3116F10-6P MS3116F10-6S MS3116J10-6P MS3116J10-6S

MIL-STD-1353E
2 July 1980

TABLE 101-II. Standard connectors, MIL-C-26482 type - Continued.

Number of contacts	Contact size (number)	MIL-C-26482 part number
SERIES 1 - SOLDER		
10	20	MS3110F12-10P MS3110F12-10S MS3111F12-10P MS3111F12-10S MS3111J12-10P MS3111J12-10S MS3112E12-10P MS3112E12-10S MS3114E12-10P MS3114E12-10S MS3114F12-10P MS3114F12-10S MS3116F12-10P MS3116F12-10S MS3116J12-10P MS3116J12-10S MS3119E12-10
11	16	MS3110F18-11P MS3110F18-11S MS3111F18-11P MS3111F18-11S MS3111J18-11P MS3111J18-11S MS3112E18-11P MS3112E18-11S MS3114E18-11P MS3114E18-11S MS3114F18-11P MS3114F18-11S MS3116F18-11P MS3116F18-11S MS3116J18-11P MS3116J18-11S MS3119E18-11
12	(4)-16, (8)-20	MS3110F14-12P MS3110F14-12S MS3111F14-12P MS3111F14-12S MS3111J14-12P MS3111J14-12S MS3112E14-12P MS3112E14-12S MS3114E14-12P MS3114E14-12S MS3114F14-12P MS3114F14-12S MS3116F14-12P MS3116F14-12S MS3116J14-12P MS3116J14-12S MS3119E14-12
15	(1)-16, (14)-20	MS3110F14-15P MS3110F14-15S MS3111F14-15P MS3111F14-15S

MIL-STD-1353B
2 July 1980

TABLE 101-II. Standard connectors, MIL-C-26482 type - Continued.

Number of contacts	Contact size (number)	MIL-C-26482 part number
SERIES I - SOLDER		
15	(1)-16, (14)-20	MS3111J14-15P MS3111J14-15S MS3112E14-15P MS3112E14-15S MS3114E14-15P MS3114E14-15S MS3114F14-15P MS3114F14-15S MS3116F14-15P MS3116F14-15S MS3116J14-15P MS3116J14-15S MS3119E14-15
16	16	MS3110F20-16P MS3110F20-16S MS3111F20-16P MS3111F20-16S MS3111J20-16P MS3111J20-16S MS3112E20-16P MS3112E20-16S MS3114E20-16P MS3114E20-16S MS3114F20-16P MS3114F20-16S MS3116F20-16P MS3116F20-16S MS3116J20-16P MS3116J20-16S MS3119E20-16
19	20	MS3110F14-19P MS3110F14-19S MS3111F14-19P MS3111F14-19S MS3111J14-19P MS3111J14-19S MS3112E14-19P MS3112E14-19S MS3114E14-19P MS3114E14-19S MS3114F14-19P MS3114F14-19S MS3116F14-19P MS3116F14-19S MS3116J14-19P MS3116J14-19S MS3119E14-19
21	16	MS3110F22-21P MS3110F22-21S MS3111F22-21P MS3111F22-21S MS3111J22-21P MS3111J22-21S MS3112E22-21P MS3112E22-21S MS3114E22-21P MS3114E22-21S MS3114F22-21P MS3114F22-21S MS3116F22-21P

MIL-STD-1353B
2 July 1980

TABLE 101-11. Standard connectors, MIL-C-26482 type - Continued.

Number of contacts	Contact size (number)	MIL-C-26482 part number
SERIES 1 - SOLDER		
21	16	MS3116F22-21S
21	16	MS3116J22-21P
21	16	MS3116J22-21S
21	16	MS3119E22-21
26	20	MS3110F16-26P
		MS3110F16-26S
		MS3111F16-26P
		MS3111F16-26S
		MS3111J16-26P
		MS3111J16-26S
		MS3112E16-26P
		MS3112E16-26S
		MS3114E16-26P
		MS3114E16-26S
		MS3114F16-26P
		MS3114F16-26S
		MS3116F16-26P
		MS3116F16-26S
		MS3116J16-26P
		MS3116J16-26S
		MS3119E16-26
32		MS3110F18-32P
		MS3110F18-32S
		MS3111F18-32P
		MS3111F18-32S
		MS3111J18-32P
		MS3111J18-32S
		MS3112E18-32P
		MS3112E18-32S
		MS3114E18-32P
		MS3114E18-32S
		MS3114F18-32P
		MS3114F18-32S
		MS3116F18-32P
		MS3116F18-32S
		MS3116J18-32P
		MS3116J18-32S
39	(2)-16, (37)-20	MS3119E18-32
		MS3110F20-39P
		MS3110F20-39S
		MS3111F20-39P
		MS3111F20-39S
		MS3111J20-39P
		MS3111J20-39S
		MS3112E20-39P
		MS3112E20-39S
		MS3114E20-39P
		MS3114E20-39S
		MS3114F20-39P
		MS3114F20-39S
		MS3116F20-39P
		MS3116F20-39S
		MS3116J20-39P
		MS3116J20-39S
		MS3119E20-39

MIL-STD-1353B
2 July 1980

TABLE 101-II. Standard connectors, MIL-C-26482 type - Continued.

Number of contacts	Contact size (number)	MIL-C-26482 part number
SERIES 1 - SOLDER		
41	20	MS3110F20-41P MS3110F20-41S MS3111F20-41P MS3111F20-41S MS3111J20-41P MS3111J20-41S MS3112E20-41P MS3112E20-41S MS3114E20-41P MS3114E20-41S MS3114F20-41P MS3114F20-41S MS3116F20-41P MS3116F20-41S MS3116J20-41P MS3116J20-41S MS3119E20-41
	(14)-16, (27)-20	MS3110F22-41P MS3110F22-41S MS3111F22-41P MS3111F22-41S MS3111J22-41P MS3111J22-41S MS3112E22-41P MS3112E22-41S MS3114E22-41P MS3114E22-41S MS3114F22-41P MS3114F22-41S MS3116F22-41P MS3116F22-41S MS3116J22-41P MS3116J22-41S MS3119E22-41
55	20	MS3110F22-55P MS3110F22-55S MS3111F22-55P MS3111F22-55S MS3111J22-55P MS3111J22-55S MS3112E22-55P MS3112E22-55S MS3114E22-55P MS3114E22-55S MS3114F22-55P MS3114F22-55S MS3116F22-55P MS3116F22-55S MS3116J22-55P MS3116J22-55S MS3119E22-55

MIL-STD-1353B
2 July 1980

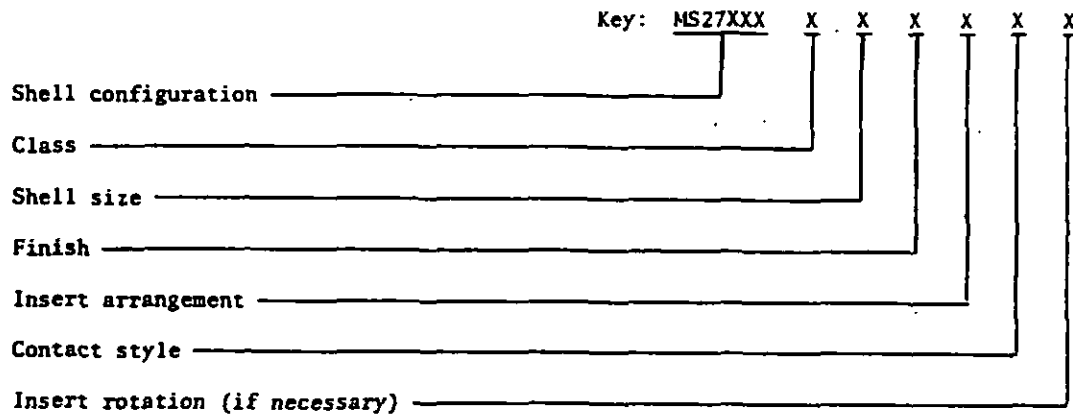
TABLE 101-II. Standard connectors, MIL-C-26482 type - Continued.

Number of contacts	Contact size (number)	MIL-C-26482 part number
SERIES 1 - SOLDER		
61	20	MS3110F24-61P MS3110F24-61S MS3111F24-61P MS3111F24-61S MS3111J24-61P MS3111J24-61S MS3112E24-61P MS3112E24-61S MS3114E24-61P MS3114E24-61S MS3114F24-61P MS3114F24-61S MS3116F24-61P MS3116F24-61S MS3116J24-61P MS3116J24-61S MS3119E24-61

MIL-STD-1353B
2 July 1980

MIL-C-38999 PART NUMBER SYSTEM

Part No. example: MS27466T9B3PN



Shell configuration:

	Series I (scoop-proof)	Series II (low silhouette)
Wall mount flange receptacle - - - - -	MS27466	MS27472
Straight plug- - - - -	MS27467 <u>1/</u>	MS27473
Jam nut mount receptacle - - - - -	MS27468	MS27474
Wall mount flange (hermetic) - - - - -	MS27469	MS27475
Box mount receptacle (hermetic)- - - - -	---	MS27476
Jam nut mount receptacle (hermetic)- - - - -	MS27470	MS27477
Solder mount receptacle (hermetic) - - - - -	MS27471	MS27478
Box mount receptacle - - - - -	MS27496	MS27499
Box mount flange receptacle- - - - -	MS27505	MS27508
Back panel wall mount receptacle - - - - -	MS27656	MS27497
RFI plug - - - - -	---	MS27484 <u>1/</u>

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 nickel (conductive).
F - Electroless nickel coating (conductive).
D - Fused tin (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-39029/27, /56, /57, /59, /75, /77 and /78.

Insert rotation: Normal rotation is considered preferred; however, alternate rotations when required by a system need not apply for nonstandard part approval.

Standard connectors: See table 101-III.

1/ MS27467 and MS27484 contain RFI fingers for EMI/RFI suppression.

MIL-STD-1353B
2 July 1980

Series I	<ul style="list-style-type: none"> - Crimp contacts, rear release Solder contacts - Hermetic only Scoop-proof Contact sizes: 12,16,20 22D Temperature range: Finish B: -65°C to $+150^{\circ}\text{C}$ Finish F: -65°C to $+200^{\circ}\text{C}$ Finish D: -65°C to $+150^{\circ}\text{C}$ Coupling: Bayonet 	<p>Army: Limited to environmentally protected applications on ground equipment. No restrictions on other than ground equipment.</p> <p>Navy (finish B only): Not for shipboard jacketed cable applications.</p> <p>Air Force: No restrictions</p>	101.38
Series II	<ul style="list-style-type: none"> - Crimp contacts, rear release Solder contacts - Hermetic only Low silhouette, light weight Contact sizes: 12,16,20 22D Temperature range: Finish B: -65°C to $+150^{\circ}\text{C}$ Finish F: -65°C to $+200^{\circ}\text{C}$ Finish D: -65°C to $+150^{\circ}\text{C}$ Coupling: Bayonet 	<p>Army - Not for use.</p> <p>Navy - not for use.</p> <p>Air Force: No restrictions</p>	101.48

MIL-STD-1353B
2 July 1980

TABLE 101-III. 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)			
3 <			

See footnote at end of table.

MIL-STD-1353B

2 July 1980

TABLE 101-111. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C 1/	200°C
SERIES I (SCOOP-PROOF)			
6	12	MS27466T17B6P MS27466T17B6S MS27467T16B6P MS27467T17B6S MS27468T17B6P MS27468T17B6S MS27469Y17D6P MS27469Y17D6S MS27470Y17D6P MS27470Y17D6S MS27471Y17D6P MS27471Y17D6S MS27496E17B6P MS27496E17B6S MS27505E17B6P MS27505E17B6S MS27656E17B6P MS27656E17B6S MS27466T11B98P MS27466T11B98S MS27467T11B98P MS27467T11B98S MS27468T11B98P MS27468T11B98S MS27469Y11D98P MS27469Y11D98S MS27470Y11D98P MS27470Y11D98S MS27471Y11D98P MS27471Y11D98S MS27496E11B98P MS27496E11B98S MS27505E11B98P MS27505E11B98S MS27656T11B98P MS27656T11B98S MS27466T9B35P MS27466T9B35S MS27467T9B35P MS27467T9B35S MS27468T9B35P MS27468T9B35S MS27469Y9D35P MS27469Y9D35S MS27470Y9D35P MS27470Y9D35S MS27471Y9D35P MS27471Y9D35S MS27496E9B35P MS27496E9B35S MS27505E9B35P MS27505E9B35S MS27656T9B35P MS27656T9B35S MS27466T17B8P MS27466T17B8S MS27467T17B8P	MS27466T17F6P MS27466T17F6S MS27467T17F6P MS27467T17F6S MS27468T17F6P MS27468T17F6S MS27468T17F6S --- --- --- --- --- MS27496E17F6P MS27496E17F6S MS27505E17F6P MS27505E17F6S MS27656E17F6P MS27656E17F6S MS27466T11F98P MS27466T11F98S MS27467T11F98P MS27467T11F98S MS27468T11F98P MS27468T11F98S --- --- --- --- --- MS27496E11F98P MS27496E11F98S MS27505E11F98P MS27505E11F98S MS27656T11F98P MS27656T11F98S MS27466T9F35P MS27466T9F35S MS27467T9F35P MS27467T9F35S MS27468T9F35P MS27468T9F35S --- --- --- --- MS27496E9F35P MS27496E9F35S MS27505E9F35P MS27505E9F35S MS27656T9F35P MS27656T9F35S MS27466T17F8P MS27466T17F8S MS27467T17F8P
	20		
	22D		
8	16		
8	16		
8	16		

See footnote at end of table.

MIL-STD-13538
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
SERIES I (SCOOP-PROOF)			
8	20	MS27466T13B8P	MS27466T13F8P
		MS27466T13B8S	MS27466T13F8S
		MS27467T13B8P	MS27467T13F8P
		MS27467T13B8S	MS27467T13F8S
		MS27468T13B8P	MS27468T13F8P
		MS27468T13B8S	MS27468T13F8S
		MS27469Y13D8P	---
		MS27469Y13D8S	---
		MS27470Y13D8P	---
		MS27470Y13D8S	---
		MS27471Y13D8P	---
		MS27471Y13D8S	---
		MS27496E13D8P	MS27496E13F8P
		MS27496E13B8S	MS27496E13F8S
		MS27505E13B8P	MS27505E13F8P
		MS27505E13B8S	MS27505E13F8S
		MS27565E13B8P	MS27565E13F8P
		MS27565E13B8S	MS27565E13F8S
10		MS27466T13B98P	MS27466T13F98P
		MS27466T13B98S	MS27466T13F98S
		MS27467T13B98P	MS27467T13F98P
		MS27467T13B98S	MS27467T13F98S
		MS27468T13B98P	MS27468T13F98P
		MS27468T13B98S	MS27468T13F98S
		MS27469Y13D98P	---
		MS27469Y13D98S	---
		MS27470Y13D98P	---
		MS27470Y13D98S	---
		MS27471Y13D98P	---
		MS27471Y13D98S	---
		MS27496E13B98P	MS27496E13F98P
		MS27496E13B98S	MS27496E13F98S
		MS27505E13B98P	MS27505E13F98P
		MS27505E13B98S	MS27505E13F98S
		MS27656T13B98P	MS27656T13F98P
		MS27656T13B98S	MS27656T13F98S
11	12	MS27466T21B11P	MS27466T21F11P
		MS27466T21B11S	MS27466T21F11S
		MS27467T21B11P	MS27467T21F11P
		MS27467T21B11S	MS27467T21F11S
		MS27468T21B11P	MS27468T21F11P

See footnote at end of table.

MIL-STD-1353B

2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

TABLE 101-111. Standard connectors, MIL-C-38999		MIL-C-38999 part number	
Number of contacts	Contact Size	175°C	200°C
		1/	
SERIES I (SCOOP-PROOF)			
11	12	MS27468T21B11S	MS27468T21F11S
		MS27469Y21D11P	---
		MS27469Y21D11S	---
		MS27470Y21D11P	---
		MS27470Y21D11S	---
		MS27471Y21D11P	---
		MS27471Y21D11S	---
		MS27496E21B11P	MS27496E21F11P
		MS27496E21B11S	MS27496E21F11S
		MS27505E21B11P	MS27505E21F11P
		MS27505E21B11S	MS27505E21F11S
		MS27656E21B11P	MS27656E21F11P
		MS27656E21B11S	MS27656E21F11S
	16	MS27466T19B11P	MS27466T19F11P
		MS27466T19B11S	MS27466T19F11S
		MS27467T19B11P	MS27467T19F11P
		MS27467T19B11S	MS27467T19F11S
		MS27468T19B11P	MS27468T19F11P
		MS27468T19B11S	MS27468T19F11S
		MS27469Y19D11P	---
		MS27469Y19D11S	---
		MS27470Y19D11P	---
		MS27470Y19D11S	---
		MS27471Y19D11P	---
		MS27471Y19D11S	---
		MS27496E19B11P	MS27496E19F11P
		MS27496E19B11S	MS27496E19F11S
		MS27498E19B11P	MS27498E19F11P
		MS27498E19B11S	MS27498E19F11S
		MS27505E19B11P	MS27505E19F11P
		MS27505E19B11S	MS27505E19F11S
		MS27656T19B11P	MS27656T19F11P
		MS27656T19B11S	MS27656T19F11S
	22D	MS27466T11B35P	MS27466T11F35P
		MS27466T11B35S	MS27466T11F35S
		MS27467T11B35P	MS27467T11F35P
		MS27467T11B35S	MS27467T11F35S
		MS27468T11B35P	MS27468T11F35P
		MS27468T11B35S	MS27468T11F35S
		MS27469Y11D35P	---
		MS27469Y11D35S	---
		MS27470Y11D35P	---
		MS27470Y11D35S	---
		MS27471Y11D35P	---
		MS27471Y11D35S	---
		MS27496E11B35P	MS27496E11F35P
		MS27496E11B35S	MS27496E11F35S
		MS27498E11B35P	MS27498E11F35P
		MS27498E11B35S	MS27498E11F35S
		MS27505E11B35P	MS27505E11F35P
		MS27505E11B35S	MS27505E11F35S
		MS27656T11B35P	MS27656T11F35P
		MS27656T11B35S	MS27656T11F35S
	16	MS27466T21B16P	MS27466T21F16P
		MS27466T21B16S	MS27466T21F16S
		MS27467T21B16P	MS27467T21F16P
		MS27467T21B16S	MS27467T21F16S
		MS27468T21B16P	MS27468T21F16P
		MS27468T21B16S	MS27468T21F16S
		MS27469Y21D16P	---

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
SERIES I (SCOOP-PROOF)			
16	16	MS27469Y21D16S	---
		MS27470Y21D16P	---
		MS27470Y21D16S	---
		MS27471Y21D16P	---
		MS27471Y21D16S	---
		MS27496E21B16P	MS27496E21F16P
		MS27496E21B16S	MS27496E21F16S
		MS27498E21B16P	MS27498E21F16P
		MS27498E21B16S	MS27498E21F16S
		MS27505E21B16P	MS27505E21F16P
		MS27505E21B16S	MS27505E21F16S
		MS27656T21B16P	MS27656T21F16P
		MS27656T21B16S	MS27656T21F16S
19	12	MS27466T25B19P	MS27466T25F19P
		MS27466T25B19S	MS27466T25F19S
		MS27467T25B19P	MS27467T25F19P
		MS27467T25B19S	MS27467T25F19S
		MS27468T25B19P	MS27468T25F19P
		MS27468T25B19S	MS27468T25F19S
		MS27469Y25D19P	---
		MS27469Y25D19S	---
		MS27470Y25D19P	---
		MS27470Y25D19S	---
		MS27471Y25D19P	---
		MS27471Y25D19S	---
		MS27496T25B19P	MS27496T25F19P
		MS27496T25B19S	MS27496T25F19S
		MS27505T25B19P	MS27505T25F19P
		MS27505T25B19S	MS27505T25F19S
		MS27656T25B19P	MS27656T25F19P
		MS27656T25B19S	MS27656T25F19S
	20	MS27466T15B19P	MS27466T15F19P
		MS27466T15B19S	MS27466T15F19S
		MS27467T15B19P	MS27467T15F19P
		MS27467T15B19S	MS27467T15F19S
		MS27468T15B19P	---
		MS27468T15B19S	---
		MS27496E15B19P	---
		MS27496E15B19S	---
		MS27505E15B19P	---
		MS27505E15B19S	---
		MS27656T15B19P	---
		MS27656T15B19S	---
21	16	MS27466T23B21P	MS27466T23F21P
		MS27466T23B21S	MS27466T23F21S
		MS27467T23B21P	MS27467T23F21P
		MS27467T23B21S	MS27467T23F21S
		MS27468T23B21P	MS27468T23F21P
		MS27468T23B21S	MS27468T23F21S
		MS27469Y23D21P	---
		MS27469Y23D21S	---
		MS27470Y23D21P	---
		MS27470Y23D21S	---
		MS27471Y23D21P	---
		MS27471Y23D21S	---
		MS27496E23B21P	MS27496E23F21P
		MS27496E23B21S	MS27496E23F21S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
SERIES I (SCOOP-PROOF)			
21	16	MS27505E23B21P	MS27505E23F21P
↓	↓	MS27505E23B21S	MS27505E23F21S
22	22D	MS27656T23B21P	MS27656T23F21P
↓	↓	MS27656T23B21S	MS27656T23F21S
↓	↓	MS27466T13B35P	MS27466T13F35P
↓	↓	MS27466T13B35S	MS27466T13F35S
↓	↓	MS27467T13B35P	MS27467T13F35P
↓	↓	MS27467T13B35S	MS27467T13F35S
↓	↓	MS27468T13B35P	MS27468T13F35P
↓	↓	MS27468T13B35S	MS27468T13F35S
↓	↓	MS27469Y13D35P	---
↓	↓	MS27469Y13D35S	---
↓	↓	MS27470Y13D35P	---
↓	↓	MS27470Y13D35S	---
↓	↓	MS27471Y13D35P	---
↓	↓	MS27471Y13D35S	---
↓	↓	MS27496E13B35P	MS27496E13F35P
↓	↓	MS27496E13B35S	MS27496E13F35S
↓	↓	MS27505E13B35P	MS27505E13F35P
↓	↓	MS27505E13B35S	MS27505E13F35S
↓	↓	MS27656T13B35P	MS27656T13F35P
↓	↓	MS27656T13B35S	MS27656T13F35S
26	20	MS27466T17B26P	MS27466T17F26P
↓	↓	MS27466T17B26S	MS27466T17F26S
↓	↓	MS27467T17B26P	MS27467T17F26P
↓	↓	MS27467T17B26S	MS27467T17F26S
↓	↓	MS27468T17B26P	MS27468T17F26P
↓	↓	MS27468T17B26S	MS27468T17F26S
↓	↓	MS27469Y17D26P	---
↓	↓	MS27469Y17D26S	---
↓	↓	MS27470Y17D26P	---
↓	↓	MS27470Y17D26S	---
↓	↓	MS27471Y17D26P	---
↓	↓	MS27471Y17D26S	---
↓	↓	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
↓	↓	MS27496E25B29P	MS27496E25F29P
↓	↓	MS27496E25B29S	MS27496E25F29S

See footnote at end of table.

MIL-STD-1353B

2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175 °C	200 °C
SERIES I (SCOOP-PROOF)			
29	16	MS27505E25B29P	MS27505E25F29P
↓	↓	MS27505E25B29S	MS27505E25F29S
32	20	MS27656T25B29P	MS27656T25F29P
↓	↓	MS27656T25B29S	MS27656T25F29S
↓	↓	MS27466T19B32P	MS27466T19F32P
↓	↓	MS27466T19B32S	MS27466T19F32S
↓	↓	MS27467T19B32P	MS27467T19F32P
↓	↓	MS27467T19B32S	MS27467T19F32S
↓	↓	MS27468T19B32P	MS27468T19F32P
↓	↓	MS27468T19B32S	MS27468T19F32S
↓	↓	MS27469Y19D32P	---
↓	↓	MS27469Y19D32S	---
↓	↓	MS27470Y19D32P	---
↓	↓	MS27470Y19D32S	---
↓	↓	MS27471Y19D32P	---
↓	↓	MS27471Y19D32S	---
↓	↓	MS27496E19B32P	MS27496E19F32P
↓	↓	MS27496E19B32S	MS27496E19F32S
↓	↓	MS27505E19B32P	MS27505E19F32P
↓	↓	MS27505E19B32S	MS27505E19F32S
↓	↓	MS27656T19B32P	MS27656T19F32P
↓	↓	MS27656T19B32S	MS27656T19F32S
37	22D	MS27466T15B35P	MS27466T15F35P
↓	↓	MS27466T15B35S	MS27466T15F35S
↓	↓	MS27467T15B35P	MS27467T15F35P
↓	↓	MS27467T15B35S	MS27467T15F35S
↓	↓	MS27468T15B35P	MS27468T15F35P
↓	↓	MS27468T15B35S	MS27468T15F35S
↓	↓	MS27469Y15D35P	---
↓	↓	MS27469Y15D35S	---
↓	↓	MS27470Y15D35P	---
↓	↓	MS27470Y15D35S	---
↓	↓	MS27471Y15D35P	---
↓	↓	MS27471Y15D35S	---
↓	↓	MS27496E15B35P	MS27496E15F35P
↓	↓	MS27496E15B35S	MS27496E15F35S
↓	↓	MS27505E15B35P	MS27505E15F35P
↓	↓	MS27505E15B35S	MS27505E15F35S
↓	↓	MS27656E15B35P	MS27656E15F35P
↓	↓	MS27656E15B35S	MS27656E15F35S
41	20	MS27466T21B41P	MS27466T21F41P
↓	↓	MS27466T21B41S	MS27466T21F41S
↓	↓	MS27467T21B41P	MS27467T21F41P
↓	↓	MS27467T21B41S	MS27467T21F41S
↓	↓	MS27468T21B41P	MS27468T21F41P
↓	↓	MS27468T21B41S	MS27468T21F41S
↓	↓	MS27469Y21D41P	---
↓	↓	MS27469Y21D41S	---
↓	↓	MS27470Y21D41P	---
↓	↓	MS27470Y21D41S	---
↓	↓	MS27471Y21D41P	---
↓	↓	MS27471Y21D41S	---
↓	↓	MS27496E21B41P	MS27496E21F41P
↓	↓	MS27496E21B41S	MS27496E21F41S

See footnote at end of table.

MIL-STD-1353B
2 July 1980.

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C 1/	200°C
SERIES I (SCOOP-PROOF)			
41	20	MS27505E21B41P	MS27505E21F41P
41		MS27505E21B41S	MS27505E21F41S
41		MS27656T21B41P	MS27656T21F41P
41		MS27656T21B41S	MS27656T21F41S
53		MS27466T23B53P	MS27466T23F53P
		MS27466T23B53S	MS27466T23F53S
		MS27467T23B53P	MS27467T23F53P
		MS27467T23B53S	MS27467T23F53S
		MS27468T23B53P	MS27468T23F53P
		MS27468T23B53S	MS27468T23F53S
		MS27469Y23D53P	---
		MS27469Y23D53S	---
		MS27470Y23D53P	---
		MS27470Y23D53S	---
		MS27471Y23D53P	---
		MS27471Y23D53S	---
		MS27496E23B53P	MS27496E23F53P
		MS27496E23B53S	MS27496E23F53S
		MS27505E23B53P	MS27505E23F53P
		MS27505E23B53S	MS27505E23F53S
		MS27656T23B53P	MS27656T23F53P
		MS27656T23B53S	MS27656T23F53S
		MS27466T17B35P	MS27466T17F35P
		MS27466T17B35S	MS27466T17F35S
		MS27467T17B35P	MS27467T17F35P
		MS27467T17B35S	MS27467T17F35S
		MS27468T17B35P	MS27468T17F35P
		MS27468T17B35S	MS27468T17F35S
		MS27469Y17D35P	---
		MS27469Y17D35S	---
		MS27470Y17D35P	---
		MS27470Y17D35S	---
		MS27471Y17D35P	---
		MS27471Y17D35S	---
		MS27496E17B35P	MS27496E17F35P
		MS27496E17B35S	MS27496E17F35S
		MS27505E17B35P	MS27505E17F35P
		MS27505E17B35S	MS27505E17F35S
		MS27656T17B35P	MS27656T17F35P
		MS27656T17B35S	MS27656T17F35S
		MS27466T25B61P	MS27466T25F61P
		MS27466T25B61S	MS27466T25F61S
		MS27467T25B61P	MS27467T25F61P
		MS27467T25B61S	MS27467T25F61S
		MS27468T25B61P	MS27468T25F61P
		MS27468T25B61S	MS27468T25F61S
		MS27469Y25D61P	---
		MS27469Y25D61S	---
		MS27470Y25D61P	---
		MS27470Y25D61S	---
		MS27471Y25D61P	---
		MS27471Y25D61S	---
		MS27496E25B61P	MS27496E25F61P
		MS27496E25B61S	MS27496E25F61S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175 °C 1/	200 °C
SERIES I (SCOOP-PROOF)			
61	20	MS27505E25B61P	MS27505E25F61P
61	20	MS27505E25B61S	MS27505E25F61S
61	20	MS27656T25B61P	MS27656T25F61P
61	20	MS27656T25B61S	MS27656T25F61S
66	22D	MS27466T19B35P	MS27466T19F35P
		MS27466T19B35S	MS27466T19F35S
		MS27467T19B35P	MS27467T19F35P
		MS27467T19B35S	MS27467T19F35S
		MS27468T19B35P	MS27468T19F35P
		MS27468T19B35S	MS27468T19F35S
		MS27469Y19D35P	---
		MS27469Y19D35S	---
		MS27470Y19D35P	---
		MS27470Y19D35S	---
		MS27471Y19D35P	---
		MS27471Y19D35S	---
		MS27496E19B35P	MS27496E19F35P
		MS27496E19B35S	MS27496E19F35S
		MS27505E19B35P	MS27505E19F35P
		MS27505E19B35S	MS27505E19F35S
		MS27656T19B35P	MS27656T19F35P
		MS27656T19B35S	MS27656T19F35S
79		MS27466T21B35P	MS27466T21F35P
		MS27466T21B35S	MS27466T21F35S
		MS27467T21B35P	MS27467T21F35P
		MS27467T21B35S	MS27467T21F35S
		MS27468T21B35P	MS27468T21F35P
		MS27468T21B35S	MS27468T21F35S
		MS27496E21B35P	MS27496E21F35P
		MS27496E21B35S	MS27496E21F35S
		MS27505E21B35P	MS27505E21F35P
		MS27505E21B35S	MS27505E21F35S
		MS27656T21B35P	MS27656T21F35P
		MS27656T21B35S	MS27656T21F35S
100		MS27466T23B35P	MS27466T23F35P
		MS27466T23B35S	MS27466T23F35S
		MS27467T23B35P	MS27467T23F35P
		MS27467T23B35S	MS27467T23F35S
		MS27468T23B35P	MS27468T23F35P
		MS27468T23B35S	MS27468T23F35S
		MS27496E23B35P	MS27496E23F35P
		MS27496E23B35S	MS27496E23F35S
		MS27505E23B35P	MS27505E23F35P
		MS27505E23B35S	MS27505E23F35S
		MS27656T23B35P	MS27656T23F35P
		MS27656T23B35S	MS27656T23F35S
		MS27466T25B35P	MS27466T25F35P
		MS27466T25B35S	MS27466T25F35S
		MS27467T25B35P	MS27467T25F35P
		MS27467T25B35S	MS27467T25F35S
		MS27468T25B35P	MS27468T25F35P
		MS27468T25B35S	MS27468T25F35S
		MS27496E25B35P •	MS27496E25F35P
		MS27496E25B35S	MS27496E25F35S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175 C 1/	200 C
SERIES I (SCOOP-PROOF)			
128	22D	MS27505E25B35P	MS27505E25F35P
128	22D	MS27505E25B35S	MS27505E25F35S
128	22D	MS27656T25B35P	MS27656T25F35P
128	22D	MS27656T25B35S	MS27656T25F35S
12	(4)-16, (8)-20	MS27466T15B97P	MS27466T15F97P
		MS27466T15B97S	MS27466T15F97S
		MS27467T15B97P	MS27467T15F97P
		MS27467T15B97S	MS27467T15F97S
		MS27468T15B97P	MS27468T15F97P
		MS27468T15B97S	MS27468T15F97S
		MS27469Y15D97P	
		MS27470Y15D97P	
		MS27471Y15D97P	
		MS27496E15B97P	MS27496E15F97P
		MS27496E15B97S	MS27496E15F97S
		MS27505E15B97P	MS27505E15F97P
		MS27505E15B97S	MS27505E15F97S
		MS27656T15B97P	MS27656T15F97P
		MS27656T15B97S	MS27656T15F97S
15	(1)-16, (14)-20	MS27466T15B15P	MS27466T15F15P
		MS27466T15B15S	MS27466T15F15S
		MS27467T15B15P	MS27467T15F15P
		MS27467T15B15S	MS27467T15F15S
		MS27468T15B15P	MS27468T15F15P
		MS27468T15B15S	MS27468T15F15S
		MS27469Y15D15P	
		MS27470Y15D15P	
		MS27471Y15D15P	
		MS27505E15B15P	MS27505E15F15P
		MS27505E15B15S	MS27505E15F15S
		MS27656T15B15P	MS27656T15F15P
		MS27656T15B15S	MS27656T15F15S
39	(2)-16, (37)-20	MS27466T21B39P	MS27466T21F39P
		MS27466T21B39S	MS27466T21F39S
		MS27467T21B39P	MS27467T21F39P
		MS27467T21B39S	MS27467T21F39S
		MS27468T21B39P	MS27468T21F39P
		MS27468T21B39S	MS27468T21F39S
		MS27496E21B39P	MS27496E21F39P
		MS27496E21B39S	MS27496E21F39S
		MS27505E21B39P	MS27505E21F39P
		MS27505E21B39S	MS27505E21F39S
		MS27656T21B39P	MS27656T21F39P
		MS27656T21B39S	MS27656T21F39S
43	(20)-16, (23)-20	MS27466T25B43P	MS27466T25F43P
		MS27466T25B43S	MS27466T25F43S
		MS27467T25B43P	MS27467T25F43P
		MS27467T25B43S	MS27467T25F43S
		MS27468T25B43P	MS27468T25F43P
		MS27468T25B43S	MS27468T25F43S
		MS27496E25B43P	MS27496E25F43P
		MS27496E25B43S	MS27496E25F43S
		MS27505E25B43P	MS27505E25F43P
		MS27505E25B43S	MS27505E25F43S
		MS27656T25B43P	MS27656T25F43P
		MS27656T25B43S	MS27656T25F43S
46	(4)-16, (40)-20, (2)-8 Coax	MS27466T25B46P	MS27466T25F46P
		MS27467T25B46P	MS27467T25F46P
		MS27467T25B46S	MS27467T25F46S
		MS27468T25B46P	MS27468T25F46P

See footnote at end of table.

MIL-STD-13538
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999		part number
		175°C	1/	
				200°C
SERIES I (SCOOP-PROOF)				
46	(4)-16, (40)-20, (2)-8 Coax	MS27468T25B46S		MS27468T25F46S
		MS27496T25B46P		MS27496T25F46P
		MS27496T25B46S		MS27496T25F46S
		MS27505T25B46P		MS27505T25F46P
		MS27505T25B46S		MS27505T25F46S
		MS27656T25B46P		MS27656T25F46P
		MS27656T25B46S		MS27656T25F46S
SERIES II (LOW SILICOONETTE)				
5	20	MS27508E12B4S		MS27508E12F4S
		MS27472T10B5P		MS27472T10F5P
		MS27472T10B5S		MS27472T10F5S
		MS27473T10B5P		MS27473T10F5P
		MS27473T10B5S		MS27473T10F5S
		MS27474T10B5P		MS27474T10F5P
		MS27474T10B5S		MS27474T10F5S
		MS27475Y10D5P		---
		MS27476Y10D5P		---
		MS27477Y10D5P		---
		MS27478Y10D5P		---
		MS27484T10B5P		MS27484T10F5P
		MS27484T10B5S		MS27484T10F5S
		MS27497T10B5P		MS27497T10F5P
		MS27497T10B5S		MS27497T10F5S
		MS27499E10B5P		MS27499E10F5P
		MS27499E10B5S		MS27499E10F5S
		MS27508E10B5P		MS27508E10F5P
		MS27508E10B5S		MS27508E10F5S
		MS27472T14B5P		MS27472T14F5P
		MS27472T14B5S		MS27472T14F5S
		MS27473T14B5P		MS27473T14F5P
		MS27473T14B5S		MS27473T14F5S
		MS27474T14B5P		MS27474T14F5P
		MS27474T14B5S		MS27474T14F5S
		MS27475Y14D5P		---
		MS27476Y14D5P		---
		MS27477Y14D5P		---
		MS27478Y14D5P		---
		MS27484T14B5P		MS27484T14F5P
		MS27484T14B5S		MS27484T14F5S
		MS27497T14B5P		MS27497T14F5P
		MS27497T14B5S		MS27497T14F5S
		MS27499E14B5P		MS27499E14F5P
		MS27499E14B5S		MS27499E14F5S
		MS27508E14B5P		MS27508E14F5P
		MS27508E14B5S		MS27508E14F5S
		MS27472T8B35P		MS27472T8F35P
		MS27472T8B35S		MS27472T8F35S
		MS27473T8B35P		MS27473T8F35P
		MS27473T8B35S		MS27473T8F35S
		MS27474T8B35P		MS27474T8F35P
		MS27474T8B35S		MS27474T8F35S
		MS27475Y8D35P		---
		MS27476Y8D35P		---
		MS27477Y8D35P		---
		MS27478Y8D35P		---
		MS27484T8B35P		MS27484T8F35P
		MS27484T8B35S		MS27484T8F35S
		MS27497T8B35P		MS27497T8F35P
		MS27497T8B35S		MS27497T8F35S
		MS27499E8B35P		MS27499E8F35P
		MS27499E8B35S		MS27499E8F35S
		MS27508E8B35P		MS27508E8F35P
		MS27508E8B35S		MS27508E8F35S
6	22D	MS27472T8B35P		MS27472T8F35P
		MS27472T8B35S		MS27472T8F35S
		MS27473T8B35P		MS27473T8F35P
		MS27473T8B35S		MS27473T8F35S
6	22D	MS27474T8B35P		MS27474T8F35P
		MS27474T8B35S		MS27474T8F35S
		MS27475Y8D35P		---
		MS27476Y8D35P		---
6	22D	MS27477Y8D35P		---
		MS27478Y8D35P		---
		MS27484T8B35P		MS27484T8F35P
		MS27484T8B35S		MS27484T8F35S
6	22D	MS27497T8B35P		MS27497T8F35P
		MS27497T8B35S		MS27497T8F35S
		MS27499E8B35P		MS27499E8F35P
		MS27499E8B35S		MS27499E8F35S
6	22D	MS27508E8B35P		MS27508E8F35P
		MS27508E8B35S		MS27508E8F35S
		MS27508E8B35P		MS27508E8F35P
		MS27508E8B35S		MS27508E8F35S

See footnote at end of table.

MIL-STD-1353E
2 July 1980

TABLE 101-111. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	MIL-C-38999 part number		
	Contact size	175°C	200°C
SERIES 11. (LOW SILHOUETTE)			
10	20	MS27472T12B98P MS27472T12B98S MS27473T12B98P MS27473T12B98S MS27474T12B98P MS27474T12B98S MS27475Y12D98P MS27476Y12D98P MS27477Y12D98P MS27478Y12D98P MS27484T12B98P MS27484T12B98S MS27497T12B98P MS27497T12B98S MS27499E12B98P MS27499E12B98S MS27508E12B98P MS27508E12B98S	MS27472T12F98P MS27472T12F98S MS27473T12F98P MS27473T12F98S MS27474T12F98P MS27474T12F98S --- --- --- --- MS27484T12F98P MS27484T12F98S MS27497T12F98P MS27497T12F98S MS27499E12F98P MS27499E12F98S MS27508E12F98P MS27508E12F98S
13	22D	MS27472T10B35P MS27472T10B35S MS27473T10B35P MS27473T10B35S MS27474T10B35P MS27474T10B35S MS27475Y10D35P MS27476Y10D35P MS27477Y10D35P MS27478Y10D35P MS27484T10B35P MS27484T10B35S MS27497T10B35P MS27497T10B35S MS27499E10B35P MS27499E10B35S	MS27472T10F35P MS27472T10F35S MS27473T10F35P MS27473T10F35S MS27474T10F35P MS27474T10F35S --- --- --- --- MS27484T10F35P MS27484T10F35S MS27497T10F35P MS27497T10F35S MS27499E10F35P MS27499E10F35S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175 °C 1/	200°C
SERIES II (LOW SILHOUETTE)			
13	22D	MS27508E10B35P	MS27508E10F35P
13	22D	MS27508E10B35S	MS27508E10F35S
16	16	MS27472T20B16P	MS27472T20F16P
		MS27472T20B16S	MS27472T20F16S
		MS27473T20B16P	MS27473T20F16P
		MS27473T20B16S	MS27473T20F16S
		MS27474T20B16P	MS27474T20F16P
		MS27474T20B16S	MS27474T20F16S
		MS27475Y20D16P	---
		MS27476Y20D16P	---
		MS27477Y20D16P	---
		MS27478Y20D16P	---
		MS27484T20B16P	MS27484T20F16P
		MS27484T20B16S	MS27484T20F16S
		MS27497T20B16P	MS27497T20F16P
		MS27497T20B16S	MS27497T20F16S
		MS27499E20B16P	MS27499E20F16P
		MS27499E20B16S	MS27499E20F16S
		MS27508E20B16P	MS27508E20F16P
		MS27508E20B16S	MS27508E20F16S
18	20	MS27472T14B18P	MS27472T14F18P
		MS27472T14B18S	MS27472T14F18S
		MS27473T14B18P	MS27473T14F18P
		MS27473T14B18S	MS27473T14F18S
		MS27474T14B18P	MS27474T14F18P
		MS27474T14B18S	MS27474T14F18S
		MS27475Y14D18P	---
		MS27476Y14D18P	---
		MS27477Y14D18P	---
		MS27478Y14D18P	---
		MS27484T14B18P	MS27484T14F18P
		MS27484T14B18S	MS27484T14F18S
		MS27497T14B18P	MS27497T14F18P
		MS27497T14B18S	MS27497T14F18S
		MS27499E14B18P	MS27499E14F18P
		MS27499E14B18S	MS27499E14F18S
		MS27508E14B18P	MS27508E14F18P
		MS27508E14B18S	MS27508E14F18S
21	16	MS27472T22B21P	MS27472T22F21P
		MS27472T22B21S	MS27472T22F21S
		MS27473T22B21P	MS27473T22F21P
		MS27473T22B21S	MS27473T22F21S
		MS27474T22B21P	MS27474T22F21P
		MS27474T22B21S	MS27474T22F21S
		MS27475Y22D21P	---
		MS27476Y22D21P	---
		MS27477Y22D21P	---
		MS27478Y22D21P	---

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
SERIES II (LOW SILHOUETTE)			
21	16	MS27484T22B21P	MS27484T22F21P
		MS27484T22B21S	MS27484T22F21S
		MS27497T22B21P	MS27497T22F21P
		MS27497T22B21S	MS27497T22F21S
		MS27499E22B21P	MS27499E22F21P
		MS27499E22B21S	MS27499E22F21S
		MS27508E22B21P	MS27508E22F21P
		MS27508E22B21S	MS27508E22F21S
22	22D	MS27472T12B35P	MS27472T12F35P
		MS27472T12B35S	MS27472T12F35S
		MS27473T12B35P	MS27473T12F35P
		MS27473T12B35S	MS27473T12F35S
		MS27474T12B35P	MS27474T12F35P
		MS27474T12B35S	MS27474T12F35S
		MS27475Y12D35P	---
		MS27476Y12D35P	---
		MS27477Y12D35P	---
		MS27478Y12D35P	---
		MS27484T12B35P	MS27484T12F35P
		MS27484T12B35S	MS27484T12F35S
		MS27497T12B35P	MS27497T12F35P
		MS27497T12B35S	MS27497T12F35S
		MS27499E12B35P	MS27499E12F35P
		MS27499E12B35S	MS27499E12F35S
		MS27508E12B35P	MS27508E12F35P
		MS27508E12B35S	MS27508E12F35S
26	20	MS27472T16B26P	MS27472T16F26P
		MS27472T16B26S	MS27472T16F26S
		MS27473T16B26P	MS27473T16F26P
		MS27473T16B26S	MS27473T16F26S
		MS27474T16B26P	MS27474T16F26P
		MS27474T16B26S	MS27474T16F26S
		MS27475Y16D26P	---
		MS27476Y16D26P	---
		MS27477Y16D26P	---
		MS27478Y16D26P	---
		MS27484T16B26P	MS27484T16F26P
		MS27484T16B26S	MS27484T16F26S
		MS27497T16B26P	MS27497T16F26P
		MS27497T16B26S	MS27497T16F26S
		MS27499E16B26P	MS27499E16F26P
		MS27499E16B26S	MS27499E16F26S
		MS27508E16B26P	MS27508E16F26P
		MS27508E16B26S	MS27508E16F26S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C 1/	200°C
SERIES II (LOW SILHOUETTE)			
29	16	MS27472T24B29P	MS27472T24F29P
		MS27472T24B29S	MS27472T24F29S
		MS27473T24B29P	MS27473T24F29P
		MS27473T24B29S	MS27473T24F29S
		MS27474T24B29P	MS27474T24F29P
		MS27474T24B29S	MS27474T24F29S
		MS27484T24B29P	MS27484T24F29P
		MS27484T24B29S	MS27484T24F29S
		MS27497T24B29P	MS27497T24F29P
		MS27497T24B29S	MS27497T24F29S
		MS27499E24B29P	MS27499E24F29P
		MS27499E24B29S	MS27499E24F29S
		MS27508E24B29P	MS27508E24F29S
		MS27508E24B29S	MS27508E24F29S
32	20	MS27472T18B32P	MS27472T18F32P
		MS27472T18B32S	MS27472T18F32S
		MS27473T18B32P	MS27473T18F32P
		MS27473T18B32S	MS27473T18F32S
		MS27474T18B32P	MS27474T18F32P
		MS27474T18B32S	MS27474T18F32S
		MS27475Y18D32P	---
		MS27476Y18D32P	---
		MS27477Y18D32P	---
		MS27478Y18D32P	---
		MS27484T18B32P	MS27484T18F32P
		MS27484T18B32S	MS27484T18F32S
		MS27497T18B32P	MS27497T18F32P
		MS27497T18B32S	MS27497T18F32S
		MS27499E18B32P	MS27499E18F32P
		MS27499E18B32S	MS27499E18F32S
		MS27508E18B32P	MS27508E18F32P
		MS27508E18B32S	MS27508E18F32S
37	22D	MS27472T14B35P	MS27472T14F32P
		MS27472T14B35S	MS27472T14F35S
		MS27473T14B35P	MS27473T14F35S
		MS27473T14B35S	MS27473T14F35S
		MS27474T14B35P	MS27474T14F35P
		MS27474T14B35S	MS27474T14F35S
		MS27475Y14D35P	---
		MS27476Y14D35P	---
		MS27477Y14D35P	---
		MS27478Y14D35P	---
		MS27484T14B35P	MS27484T14F35P
		MS27484T14B35S	MS27484T14F35S
		MS27497T14B35P	MS27497T14F35P
		MS27497T14B35S	MS27497T14F35S
		MS27499E14B35P	MS27499E14F35P
		MS27499E14B35S	MS27499E14F35S
		MS27508E14B35P	MS27508E14F35P
		MS27508E14B35S	MS27508E14F35S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1/</u>	200°C
SERIES II (LOW SILHOUETTE)			
41	20	MS27472T20B41P	MS27472T20F41P
		MS27472T20B41S	MS27472T20F41S
		MS27473T20B41P	MS27473T20F41P
		MS27473T20B41S	MS27473T20F41S
		MS27474T20B41P	MS27474T20F41P
		MS27474T20B41S	MS27474T20F41S
		MS27475Y20D41P	---
		MS27476Y20D41P	---
		MS27477Y20D41P	---
		MS27478Y20D41P	---
		MS27484T20B41P	MS27484T20F41P
		MS27484T20B41S	MS27484T20F41S
		MS27497T20B41P	MS27497T20F41P
		MS27497T20B41S	MS27497T20F41S
		MS27499E20B41P	MS27499E20F41P
		MS27499E20B41S	MS27499E20F41S
		MS27508E20B41P	MS27508E20F41P
		MS27508E20B41S	MS27508E20F41S
		MS27472T16B35P	MS27472T16F35P
		MS27472T16B35S	MS27472T16F35S
		MS27473T16B35P	MS27473T16F35P
		MS27473T16B35S	MS27473T16F35S
		MS27474T16B35P	MS27474T16F35P
		MS27474T16B35S	MS27474T16F35S
		MS27475Y16D35P	---
		MS27476Y16D35P	---
		MS27477Y16D35P	---
		MS27478Y16D35P	---
		MS27484T16B35P	MS27484T16F35P
		MS27484T16B35S	MS27484T16F35S
		MS27497T16B35P	MS27497T16F35P
		MS27497T16B35S	MS27497T16F35S
		MS27499E16B35P	MS27499E16F35P
		MS27499E16B35S	MS27499E16F35S
		MS27508E16B35P	MS27508E16F35P
		MS27508E16B35S	MS27508E16F35S
		MS27472T18B35P	MS27472T18F35P
		MS27472T18B35S	MS27472T18F35S
		MS27473T18B35P	MS27473T18F35P
		MS27473T18B35S	MS27473T18F35S
		MS27474T18B35P	MS27474T18F35P
		MS27474T18B35S	MS27474T18F35S
		MS27475Y18D35P	---
		MS27476Y18D35P	---
		MS27477Y18D35P	---
		MS27478Y18D35P	---
		MS27484T18B35P	MS27484T18F35P
		MS27484T18B35S	MS27484T18F35S
		MS27497T18B35P	MS27497T18F35P
		MS27497T18B35S	MS27497T18F35S
		MS27499E18B35P	MS27499E18F35P
		MS27499E18B35S	MS27499E18F35S
55	22D		

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

Number of contacts	Contact size	MIL-C-38999 part number	
		175°C	200°C
SERIES II (LOW SILHOUETTE)			
66	22D	MS27508E18B35P	MS27508E18F35P
66	22D	MS27508E18B35S	MS27508E18F35S
79		MS27472T20B35P	MS27472T20F35P
		MS27472T20B35S	MS27472T20F35S
		MS27473T20B35P	MS27473T20F35P
		MS27473T20B35S	MS27473T20F35S
		MS27474T20B35P	MS27474T20F35P
		MS27474T20B35S	MS27474T20F35S
		MS27484T20B35P	MS27484T20F35P
		MS27484T20B35S	MS27484T20F35S
		MS27497T20B35P	MS27497T20F35P
		MS27497T20B35S	MS27497T20F35S
		MS27499E20B35P	MS27499E20F35P
		MS27499E20B35S	MS27499E20F35S
		MS27508E20B35P	MS27508E20F35P
		MS27508E20B35S	MS27508E20F35S
100		MS27472T22B35P	MS27472T22F35P
		MS27472T22B35S	MS27472T22F35S
		MS27473T22B35P	MS27473T22F35P
		MS27473T22B35S	MS27473T22F35S
		MS27474T22B35P	MS27474T22F35P
		MS27474T22B35S	MS27474T22F35S
		MS27475Y22D35P	---
		MS27476Y22D35P	---
		MS27477Y22D35P	---
		MS27478Y22D35P	---
		MS27484T22B35P	MS27484T22F35P
		MS27484T22B35S	MS27484T22F35S
		MS27497T22B35P	MS27497T22F35P
		MS27497T22B35S	MS27497T22F35S
		MS27499E22B35P	MS27499T22F35P
		MS27499E22B35S	MS27499T22F35S
		MS27508E22B35P	MS27508E22F35P
		MS27508E22B35S	MS27508E22F35S
128		MS27472T24B35P	MS27472T24F35P
		MS27472T24B35S	MS27472T24F35S
		MS27473T24B35P	MS27473T24F35P
		MS27473T24B35S	MS27473T24F35S
		MS27474T24B35P	MS27474T24F35P
		MS27474T24B35S	MS27474T24F35S
		MS27475Y24D35P	---
		MS27476Y24D35P	---
		MS27477Y24D35P	---
		MS27478Y24D35P	---
		MS27484T24B35P	MS27484T24F35P
		MS27484T24B35S	MS27484T24F35S
		MS27497T24B35P	MS27497T24F35P
		MS27497T24B35S	MS27497T24F35S
		MS27499E24B35P	MS27499E24F35P
		MS27499E24B35S	MS27499E24F35S
		MS27508E24B35P	MS27508E24F35P
		MS27508E24B35S	MS27508E24F35S
		MS27513E24B35P	MS27513E24F35P
		MS27513E24B35S	MS27513E24F35S

See footnote at end of table.

MIL-STD-1353B
2 July 1980

TABLE 101-III. Standard connectors, MIL-C-38999 type - Continued.

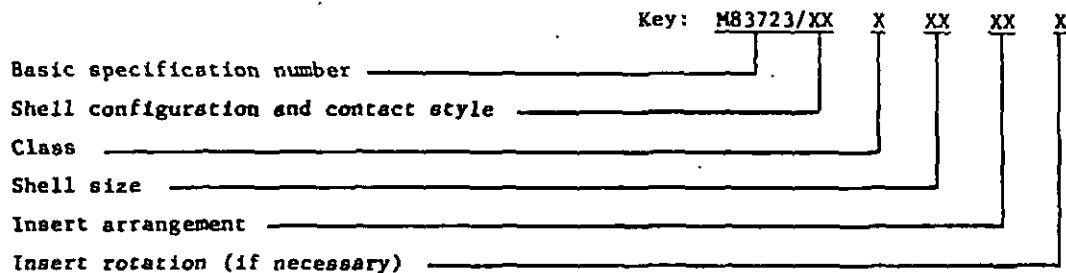
Number of contacts	Contact size	MIL-C-38999 part number	
		175°C <u>1</u> /	200°C
SERIES II (LOW SILHOUETTE)			
24	(12)-12, (12)-16	MS27472T24B24P	MS27472T24F24P
		MS27472T24B24S	MS27472T24F24S
		MS27473T24B24P	MS27473T24F24P
		MS27473T24B24S	MS27473T24F24S
		MS27474T24B24P	MS27474T24F24P
		MS27474T24B24S	MS27474T24F24S
		MS27475Y24D24P	---
		MS27476Y24D24P	---
		MS27477Y24D24P	---
		MS27478Y24D24P	---
		MS27484T24B24P	MS27484T24F24P
		MS27484T24B24S	MS27484T24F24S
		MS27497T24B24P	MS27497T24F24P
		MS27497T24B24S	MS27497T24F24S
		MS27499E24B24P	MS27499E24F24P
		MS27499E24B24S	MS27499E24F24S
		MS27508E24B24P	MS27508E24F24P
		MS27508E24B24S	MS27508E24F24S

1/ Finish D: 150°C.

MIL-STD-1353B
2 July 1980

MIL-C-83723 PART NUMBER SYSTEM

Part No. example: M83723/72R1203N



Criteria:

Shell configuration:

	Bayonet		Threaded	
	Pins	Sockets	Pins	Sockets
Flange mount receptacle - - - - -	/72	/71	/83	/82
Single hole mount receptacle - - - - -	/74	/73	/85	/84
Straight plug - - - - -	/76	/75	/87	/86
RFI plug - - - - -	/78	/77	---	---
Flange mount (hermetic) (solder pin) - - - - -	/79	---	/88	---
Solder mount (hermetic) (solder pin) - - - - -	/80	---	/90	---
Single hole mount (hermetic) (solder pin) - - - - -	/81	---	/89	---
Self-locking plug - - - - -	---	---	/96	/95
Solder mount (hermetic) (straight pin) - - - - -	/93	---	---	---
Single hole mount (hermetic) (straight pin) - - - - -	/94	---	---	---

Class: H - Hermetically sealed.
K - Firewall, environmental, self-locking.
R - Environmental resisting.
W - Olive drab cadmium plate (conductive).

Shell size: Shell size in sixteenths of an inch.

Insert arrangement: See MIL-STD-1554.

Insert rotation (if necessary): Normal rotation is considered preferred; however, alternate rotations when required by a system need not apply for nonstandard part approval.

Contacts: MIL-C-39029/4, /5, /29 and /30.

Series III - Crimp contacts, rear release
Contact sizes: 12, 16, 20
Temperature range: -65°C to +200°C
Coupling: Threaded and bayonet

Army: Not for ground application. 101.57
Navy: Type I not for shipboard jacketed cable application. Type B not for use.
Air Force: No restrictions.

Standard connectors: See table 101-IV.

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 Part number
3	20	M83723/72R0803N M83723/72W0803N M83723/71R0803N M83723/71W0803N M83723/83R0803N M83723/83W0803N M83723/82R0803N M83723/82W0803N M83723/74R0803N M83723/74W0803N M83723/73R0803N M83723/73W0803N M83723/85R0803N M83723/85W0803N M83723/84R0803N M83723/84W0803N M83723/76R0803N M83723/76W0803N M83723/75R0803N M83723/75W0803N M83723/87R0803N M83723/87W0803N M83723/86R0803N M83723/86W0803N M83723/77R0803N M83723/77W0803N M83723/78R0803N M83723/78W0803N M83723/79R0803N M83723/79W0803N M83723/80R0803N M83723/81R0803N M83723/88R0803N M83723/89R0803N M83723/90R0803N M83723/93R0803N M83723/94R0803N M83723/95R0803N M83723/95K0803N M83723/96R0803N M83723/96K0803N M83723/72R1203N M83723/72W1203N M83723/71R1203N M83723/71W1203N M83723/83R1203N M83723/83W1203N M83723/82R1203N M83723/82W1203N M83723/74R1203N M83723/74W1203N M83723/73R1203N M83723/73W1203N M83723/85R1203N M83723/85W1203N M83723/84R1203N M83723/84W1203N M83723/76R1203N M83723/76W1203N M83723/75R1203N M83723/75W1203N

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 Part number
3	16	M83723/87R1203N M83723/87W1203N M83723/86R1203N M83723/86W1203N M83723/77R1203N M83723/77W1203N M83723/78R1203N M83723/78W1203N M83723/79H1203N M83723/80H1203N M83723/81H1203N M83723/88H1203N M83723/89H1203N M83723/90H1203N M83723/93H1203N M83723/94H1203N M83723/95R1203N M83723/95K1203N M83723/96R1203N M83723/96K1203N M83723/72R1005N M83723/72W1005N M83723/71R1005N M83723/71W1005N M83723/83R1005N M83723/83W1005N M83723/82R1005N M83723/82W1005N M83723/74R1005N M83723/74W1005N M83723/73R1005N M83723/73W1005N M83723/85R1005N M83723/85W1005N M83723/84R1005N M83723/84W1005N M83723/76R1005N M83723/76W1005N M83723/75R1005N M83723/75W1005N M83723/87R1005N M83723/87W1005N M83723/86R1005N M83723/86W1005N M83723/77R1005N M83723/77W1005N M83723/78R1005N M83723/78W1005N M83723/79H1005N M83723/80H1005N M83723/81H1005N M83723/88H1005N M83723/89H1005N M83723/90H1005N M83723/93H1005N M83723/94H1005N M83723/95R1005N M83723/95K1005N M83723/96R1005N M83723/96K1005N
5	20	

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 Part number
7	16	M83723/72R1407N
		M83723/72W1407N
		M83723/71R1407N
		M83723/71W1407N
		M83723/83R1407N
		M83723/83W1407N
		M83723/82R1407N
		M83723/82W1407N
		M83723/74R1407N
		M83723/74W1407N
		M83723/73R1407N
		M83723/73W1407N
		M83723/85R1407N
		M83723/85W1407N
		M83723/84R1407N
		M83723/84W1407N
		M83723/76R1407N
		M83723/76W1407N
		M83723/75R1407N
		M83723/75W1407N
		M83723/87R1407N
		M83723/87W1407N
		M83723/86R1407N
		M83723/86W1407N
		M83723/77R1407N
		M83723/77W1407N
		M83723/78R1407N
		M83723/78W1407N
		M83723/79R1407N
		M83723/80H1407N
		M83723/81H1407N
		M83723/88H1407N
		M83723/89H1407N
		M83723/90H1407N
		M83723/93H1407N
		M83723/94H1407N
		M83723/95R1407N
		M83723/95K1407N
		M83723/96R1407N
		M83723/96K1407N
		M83723/72R1212N
12	20	

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 Part number
12	20	M83723/72W1212N M83723/71R1212N M83723/71W1212N M83723/83R1212N M83723/83W1212N M83723/82R1212N M83723/82W1212N M83723/74R1212N M83723/74W1212N M83723/73R1212N M83723/73W1212N M83723/85R1212N M83723/85W1212N M83723/84R1212N M83723/84W1212N M83723/76R1212N 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 M83723/93H1212N M83723/94H1212N M83723/95R1212N M83723/95K1212N M83723/96R1212N M83723/96K1212N

MIL-STD-1353B

2 July 1980

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

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

MIL-STD-1353B
2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 part number
15	20	M83723/86R1415N M83723/86W1415N M83723/77R1415N M83723/77W1415N M83723/78R1415N M83723/78W1415N M83723/80H1415N M83723/81H1415N M83723/88H1415N M83723/89H1415N M83723/90H1415N M83723/93H1415N M83723/94H1415N M83723/95R1415N M83723/95K1415N M83723/96R1415N M83723/96K1415N
19	16	M83723/72R2219N M83723/72W2219N M83723/71R2219N M83723/71W2219N M83723/83R2219N M83723/83W2219N M83723/82R2219N M83723/82W2219N M83723/74R2219N M83723/74W2219N M83723/73R2219N M83723/73W2219N M83723/85R2219N M83723/85W2219N M83723/84R2219N 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 M83723/93H2219N M83723/94H2219N M83723/95R2219N M83723/95K2219N M83723/96R2219N M83723/96K2219N

MIL-STD-1353B
2 JAN 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 part number
24	20	M83723/72R1624N M83723/72W1624N M83723/71R1624N M83723/71W1624N M83723/83R1624N M83723/83W1624N M83723/82R1624N M83723/82W1624N M83723/74R1624N M83723/74W1624N M83723/73R1624N M83723/73W1624N M83723/85R1624N M83723/85W1624N M83723/84R1624N 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 M83723/93H1624N M83723/94H1624N M83723/95R1624N M83723/95K1624N M83723/96R1624N M83723/96K1624N M83723/72R1831N M83723/72W1831N M83723/71R1831N M83723/71W1831N M83723/83R1831N M83723/83W1831N M83723/82R1831N M83723/82W1831N M83723/74R1831N M83723/74W1831N M83723/73R1831N M83723/73W1831N M83723/85R1831N M83723/85W1831N M83723/84R1831N M83723/84W1831N M83723/76R1831N M83723/76W1831N M83723/75R1831N M83723/75W1831N
31		

MIL-STD-1353B

2 July 1980

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

Number of contacts	Contact size (number)	MIL-C-83723 part number
31	20	M83723/87R1831N M83723/87W1831N M83723/86R1831N M83723/86W1831N M83723/77R1831N M83723/77W1831N M83723/78R1831N M83723/78W1831N M83723/79H1831N M83723/80H1831N M83723/81H1831N M83723/88H1831N M83723/89H1831N M83723/90H1831N M83723/93H1831N M83723/94H1831N M83723/95R1831N M83723/95K1831N M83723/96R1831N M83723/96K1831N
55		M83723/72R2255N M83723/72W2255N M83723/71R2255N M83723/71W2255N M83723/83R2255N M83723/83W2255N M83723/82R2255N M83723/82W2255N M83723/74R2255N M83723/74W2255N M83723/73R2255N M83723/73W2255N M83723/85R2255N M83723/85W2255N M83723/84R2255N 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 M83723/93H2255N M83723/94H2255N M83723/72R2461N M83723/72W2461N M83723/71R2461N M83723/71W2461N M83723/74R2461N M83723/74W2461N M83723/73R2461N M83723/73W2461N M83723/76R2461N
61		

MIL-STD-1353B
2 July 1980

SECTION 102

CONNECTORS, CYLINDRICAL, HEAVY DUTY
(APPLICABLE SPECIFICATION: MIL-C-22992)

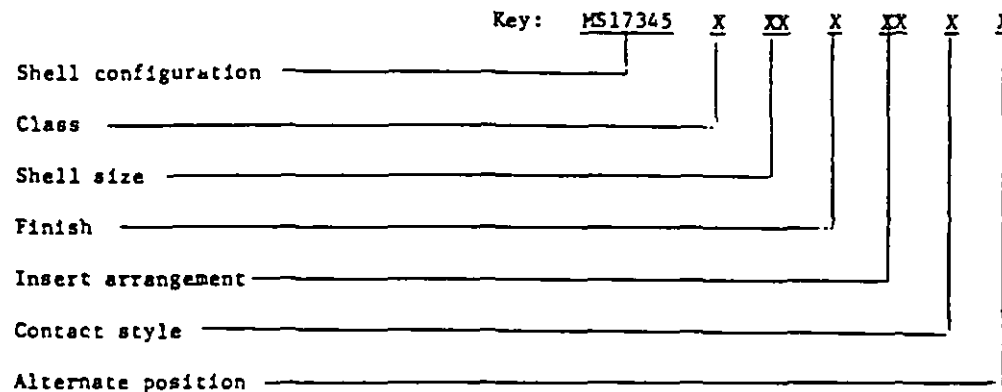
<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
<u>MIL-C-22992</u>	- Contacts: Nonremovable solder	(See intended use)	102.2
Class C	- Contact sizes: #1/0, 4, 8, 12, 16 Temperature range: -55°C to 125°C Coupling: Threaded		
	Intended use: Connectors are intended for heavy duty (rough service) applications for external electrical interconnection of equipments such as shelters, vans, buildings, missile/space launch sites.		
<u>MIL-C-22992</u>	- Contacts: Nonremovable solder	(See intended use)	102.2
Class R	- Contact sizes: #1/0, 4, 8, 12, 16 Temperature range: -55°C to 125°C Coupling: Threaded		
	Intended use: Connectors are intended for heavy duty (rough service) applications in protected enclosures where waterproofing (unmated) or pressurization is not required.		
<u>MIL-C-22992</u>	- Contacts: Front release-rear removable crimp or solder		102.53
Class 1	- Contact sizes: #4/0, 2/0, 1/0, 4, 6 Temperature range: -55°C to 125°C Coupling: Threaded		
	Intended use: Connectors are intended to be used for power connections in the current range of 60 to 200 amperes and will be used only with the heavy duty jacketed cables specified on the applicable insert standard. Reference MIL-STD-255.		

MIL-STD-1353B
2 July 1980

MIL-C-22992 PART NUMBER SYSTEM

Classes C and R

Part No. example: MS17345R20C27PW



Criteria:

Shell configuration:

Wall mounting receptacle	MS17343
Straight plug	MS17344
Cable connecting plug (without coupling ring)	MS17345
Box mounting receptacle	MS17346
Jam-nut receptacle	MS17347
Jam-nut (box) receptacle	MS17348

Class: C - Pressurized
R - Environmental
L - See page 102.53

Shell size: 12, 14, 16, 18, 20, 22, 24, 28, 32, 36, 40, 44

Finish: C - Conductive
N - Nonconductive

Insert arrangements: See MIL-STD-1651

Style: P - Pins - See MIL-C-22992
S - Sockets - See MIL-C-22992

Alternate insert position: Leave blank for preferred normal position; however, alternate rotations when required for a system need not apply for nonstandard parts approval.

Service rating: Inst. - 1000
A - 2000
D - 2800 Vac rms test voltage
E - 3500
B - 4500
C - 7000

Standard connectors: See table 102-I.

MIL-STD-1353B

2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
2	12	MS17343C16C11P MS17343C16C11S MS17343C16N11P MS17343C16N11S MS17343R16C11P MS17343R16C11S MS17343R16N11P MS17343R16N11S MS17344C16C11P MS17344C16C11S MS17344C16N11P MS17344C16N11S MS17344R16C11P MS17344R16C11S MS17344R16N11P MS17344R16N11S MS17345C16C11P MS17345C16C11S MS17345C16N11P MS17345C16N11S MS17345R16C11P MS17345R16C11S MS17345R16N11P MS17345R16N11S MS17346C16C11P MS17346C16C11S MS17346C16N11P MS17346C16N11S MS17346R16C11P MS17346R16C11S MS17346R16N11P MS17346R16N11S MS17347C16C11P MS17347C16C11S MS17347C16N11P MS17347C16N11S MS17347R16C11P MS17347R16C11S MS17347R16N11P MS17347R16N11S MS17348C16C11P MS17348C16C11S MS17348C16N11P MS17348C16N11S MS17348R16C11P MS17348R16C11S MS17348R16N11P MS17348R16N11S MS17343C22C2P MS17343C22C2S MS17343C22N2P MS17343C22N2S MS17343R22C2P MS17343R22C2S MS17343R22N2P	A
3	8		D

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
3	8	MS17343R22N2S MS17344C22C2P MS17344C22C2S MS17344C22N2P MS17344C22N2S MS17344R22C2P MS17344R22C2S MS17344R22N2P MS17344R22N2S MS17345C22C2P MS17345C22C2S MS17345C22N2P MS17345C22N2S MS17345R22C2P MS17345R22C2S MS17345R22N2P MS17345R22N2S MS17346C22C2P MS17346C22C2S MS17346C22N2P MS17346C22N2S MS17346R22C2P MS17346R22C2S MS17346R22N2P MS17346R22N2S MS17347C22C2P MS17347C22C2S MS17347C22N2P MS17347C22N2S MS17347R22C2P MS17347R22C2S MS17347R22N2P MS17347R22N2S MS17348C22C2P MS17348C22C2S MS17348C22N2P MS17348C22N2S MS17348R22C2P MS17348R22C2S MS17348R22N2P MS17348P22N2S MS17343C16C10P MS17343C16C10S MS17343C16N10P MS17343C16N10S MS17343R16C10P MS17343R16C10S MS17343R16N10P MS17343R16N10S	D
	12		A

MIL-STD-1353E
2 July 1980

TABLE 102-I Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
3	12	MS17344C16C10P MS17344C16C10S MS17344C16N10P MS17344C16N10S MS17344R16C10P MS17344R16C10S MS17344R16N10P MS17344R16N10S MS17345C16C10P MS17345C16C10S MS17345C16N10P MS17345C16N10S MS17345R16C10P MS17345R16C10S MS17345R16N10P MS17345R16N10S MS17346C16C10P MS17346C16C10S MS17346C16N10P MS17346C16N10S MS17346R16C10P MS17346R16C10S MS17346R16N10P MS17346R16N10S MS17347C16C10P MS17347C16C10S MS17347C16N10P MS17347C16N10S MS17347R16C10P MS17347R16C10S MS17347R16N10P MS17347R16N10S MS17348C16C10P MS17348C16C10S MS17348C16N10P MS17348C16N10S MS17348R16C10P MS17348R16C10S MS17348R16N10P MS17348R16N10S MS17343C36C5P MS17343C36C5S MS17343C36N5P MS17343C36N5S MS17343R36C5P MS17343R36C5S MS17343R36N5P MS17343R36N5S MS17344C36C5P MS17344C36C5S	A
4	0		

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

[illegible]

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
4	4	MS17344R32C17S MS17344R32N17P MS17344R32N17S MS17345C32C17P MS17345C32C17S MS17345C32N17P MS17345C32N17S MS17345R32C17P MS17345R32C17S MS17345R32N17P MS17345R32N17S MS17346C32C17P MS17346C32C17S MS17346C32N17P MS17346C32N17S MS17346R32C17P MS17346R32C17S MS17346R32N17P MS17346R32N17S MS17347C32C17P MS17347C32C17S MS17347C32N17P MS17347C32N17S MS17347R32C17P MS17347R32C17S MS17347R32N17P MS17347R32N17S MS17348C32C17P MS17348C32C17S MS17348C32N17P MS17348C32N17S MS17348R32C17P MS17348R32C17S MS17348R32N17P MS17348R32N17S MS17343C20C24P MS17343C20C24S MS17343C20N24P MS17343C20N24S MS17343R20C24P MS17343R20C24S MS17343R20N24P MS17343R20N24S MS17344C20C24P MS17344C20C24S MS17344C20N24P MS17344C20N24S MS17344R20C24P MS17344R20C24S	D
	(2)-8, (2)-16		

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
4	(2)-8, (2)-16	MS17344R20N24P MS17344R20N24S MS17345C20C24P MS17345C20C24S MS17345C20N24P MS17345C20N24S MS17345R20C24P MS17345R20C24S MS17345R20N24P MS17345R20N24S MS17346C20C24P MS17346C20C24S MS17346C20N24P MS17346C20N24S MS17346R20C24P MS17346R20C24S MS17346R20N24P MS17346R20N24S MS17347C20C24P MS17347C20C24S MS17347C20N24P MS17347C20N24S MS17347R20C24P MS17347R20C24S MS17347R20N24P MS17347R20N24S MS17348C20C24P MS17348C20C24S MS17348C20N24P MS17348C20N24S MS17348R20C24P MS17348R20C24S MS17348R20N24P MS17348R20N24S MS17343C24C22P MS17343C24C22S MS17343C24N22P MS17343C24N22S MS17343R24C22P MS17343R24C22S MS17343R24N22P MS17343R24N22S MS17344C24C22P MS17344C24C22S MS17344C24N22P MS17344C24N22S MS17344R24C22P MS17344R24C22S MS17344R24N22P MS17344R24N22S MS17345C24C22P MS17345C24C22S	A
	8		D

[illegible]

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
4	(2)-12, (2)-16	MS17345C16N9S MS17345R16C9P MS17345R16C9S MS17345R16N9P MS17345R16N9S MS17346C16C9P MS17346C16C9S MS17346C16N9P MS17346C16N9S MS17346R16C9P MS17346R16C9S MS17346R16N9P MS17346R16N9S MS17347C16C9P MS17347C16C9S MS17347C16N9P MS17347C16N9S MS17347R16C9P MS17347R16C9S MS17347R16N9P MS17347R16N9S MS17348C16C9P MS17348C16C9S MS17348C16N9P MS17348C16N9S MS17348R16C9P MS17348R16C9S MS17348R16N9P MS17348R16N9S MS17343C20C4P MS17343C20C4S MS17343C20N4P MS17343C20N4S MS17343R20C4P MS17343R20C4S MS17343R20N4P MS17343R20N4S MS17344C20C4P MS17344C20C4S MS17344C20N4P MS17344C20N4S MS17344R20C4P MS17344R20C4S MS17344R20N4P MS17344R20N4S MS17345C20C4P MS17345C20C4S MS17345C20N4P MS17345C20N4S MS17345R20C4P	A
	12		D

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
4	12	MS17345R20C4S MS17345R20N4P MS17345R20N4S MS17346C20C4P MS17346C20C4S MS17346C20N4P MS17346C20N4S MS17346R20C4P MS17346R20C4S MS17346R20N4P MS17346R20N4S MS17347C20C4P MS17347C20C4S MS17347C20N4P MS17347C20N4S MS17347R20C4P MS17347R20C4S MS17347R20N4P MS17347R20N4S MS17348C20C4P MS17348C20C4S MS17348C20N4P MS17348C20N4S MS17348R20C4P MS17348R20C4S MS17348R20N4P MS17348R20N4S MS17343C18C4P MS17343C18C4S MS17343C18N4P MS17343C18N4S MS17343R18C4P MS17343R18C4S MS17343R18N4P MS17343R18N4S MS17344C18C4P MS17344C18C4S MS17344C18N4P MS17344C18N4S MS17344R18C4P MS17344R18C4S MS17344R18N4P MS17344R18N4S MS17345C18C4P MS17345C18C4S MS17345C18N4P MS17345C18N4S MS17345R18C4P MS17345R18C4S MS17345R18N4P MS17345R18N4S MS17346C18C4P	D
	16		

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

[illegible]

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
5	(2)-0, (3)-12	MS17346R32N1P MS17346R32N1S MS17347C32C1P MS17347C32C1S MS17347C32N1P MS17347C32N1S MS17347R32C1P MS17347R32C1S MS17347R32N1P MS17347R32N1S MS17348C32C1P MS17348C32C1S MS17348C32N1P MS17348C32N1S MS17348R32C1P MS17348R32C1S MS17348R32N1P 	A/D
	(2)-4, (1)-12, (2)-16	MS17348R32N1S MS17343C28C5P MS17343C28C5S MS17343C28N5P MS17343C28N5S MS17343R28C5P MS17343R28C5S MS17343R28N5P MS17343R28N5S MS17344C28C5P MS17344C28C5S MS17344C28N5P MS17344C28N5S MS17344R28C5P MS17344R28C5S MS17344R28N5P MS17344R28N5S MS17345C28C5P MS17345C28C5S MS17345C28N5P MS17345C28N5S MS17345R28C5P MS17345R28C5S MS17345R28N5P MS17345R28N5S MS17346C28C5P MS17346C28C5S MS17346C28N5P MS17346C28N5S MS17346R28C5P MS17346R28C5S MS17346R28N5P	D

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

[illegible]

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
5	(2)-8, (3)-12	MS17347C20N14P MS17347C20N14S MS17347R20C14P MS17347R20C14S MS17347R20N14P MS17347R20N14S MS17348C20C14P MS17348C20C14S MS17348C20N14P MS17348C20N14S MS17348R20C14P MS17348R20C14S MS17348R20N14P MS17348R20N14S	A ↓ D
	(2)-8, (3)-16	MS17343C22C12P MS17343C22C12S MS17343C22N12P MS17343C22N12S MS17343R22C12P MS17343R22C12S MS17343R22N12P MS17343R22N12S MS17344C22C12P MS17344C22C12S MS17344C22N12P MS17344C22N12S MS17344R22C12P MS17344R22C12S MS17344R22N12P MS17344R22N12S MS17345C22C12P MS17345C22C12S MS17345C22N12P MS17345C22N12S MS17345R22C12P MS17345R22C12S MS17345R22N12P MS17345R22N12S MS17346C22C12P MS17346C22C12S MS17346C22N12P MS17346C22N12S MS17346R22C12P MS17346R22C12S MS17346R22N12P MS17346R22N12S MS17347C22C12P MS17347C22C12S MS17347C22N12P MS17347C22N12S	

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

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MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
5 ↓ 6	12 ↓ (2)-0, (4)-4	MS17347R18C11S MS17347R18N11P MS17347R18N11S MS17348C18C11P MS17348C18C11S MS17348C18N11P MS17348C18N11S MS17348R18C11P MS17348R18C11S MS17348R18N11P MS17348R18N11S MS17343C36C6P MS17343C36C6S MS17343C36N6P MS17343C36N6S MS17343R36C6P MS17343R36C6S MS17343R36N6P MS17343R36N6S MS17344C36C6P MS17344C36C6S MS17344C36N6P MS17344C36N6S MS17344R36C6P MS17344R36C6S MS17344R36N6P MS17344R36N6S MS17345C36C6P MS17345C36C6S MS17345C36N6P MS17345C36N6S MS17345R36C6P MS17345R36C6S MS17345R36N6P MS17345R36N6S MS17346C36C6P MS17346C36N6S MS17346C36N6P MS17346C36N6S MS17346R36C6P MS17346R36C6S MS17346R36N6P MS17346R36N6S MS17347C36C6P MS17347C36C6S MS17347C36N6P MS17347C36N6S MS17347R36C6P MS17347R36C6S MS17347R36N6P	A ↓

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
6	(2)-0, (4)-4	MS17347R36N6S	A
		MS17348C36C6P	
		MS17348C36C6S	
		MS17348C36N6P	
		MS17348C36N6S	
		MS17348R36C6P	
		MS17348R36C6S	
		MS17348R36N6P	
		MS17348R36N6S	
	(3)-0, (3)-12	MS17343C36C3P	D
		MS17343C36C3S	
		MS17343C36N3P	
		MS17343C36N3S	
		MS17343R36C3P	
		MS17343R36C3S	
		MS17343R36N3P	
		MS17343R36N3S	
		MS17344C36C3P	
		MS17344C36C3S	
		MS17344C36N3P	
		MS17344C36N3S	
		MS17344R36C3P	
		MS17344R36C3S	
		MS17344R36N3P	
		MS17344R36N3S	
		MS17345C36C3P	
		MS17345C36C3S	
		MS17345C36N3P	
		MS17345C36N3S	
		MS17345R36C3P	
		MS17345R36C3S	
		MS17345R36N3P	
		MS17345R36N3S	
		MS17346C36C3P	
		MS17346C36C3S	
		MS17346C36N3P	
		MS17346C36N3S	
		MS17346R36C3P	
		MS17346R36C3S	
		MS17346R36N3P	
		MS17346R36N3S	
		MS17347C36C3P	
		MS17347C36C3S	
		MS17347C36N3P	
		MS17347C36N3S	
		MS17347R36C3P	
		MS17347R36C3S	
		MS17347R36N3P	
		MS17347R36N3S	

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
6	(3)-0, (3)-12	MS17348C36C3P MS17348C36C3S MS17348C36N3P MS17348C36N3S MS17348R36C3P MS17348R36C3S MS17348R36N3P MS17348R36N3S	D
	(3)-4, (3)-16	MS17343C28C22P MS17343C28C22S MS17343C28N22P MS17343C28N22S MS17343R28C22P MS17343R28C22S MS17343R28N22P MS17343R28N22S MS17344C28C22P MS17344C28C22S MS17344C28N22P MS17344C28N22S MS17344R28C22P MS17344R28C22S MS17344R28N22P MS17344R28N22S MS17345C28C22P MS17345C28N22P MS17345C28N22S MS17345R28C22P MS17345R28C22S MS17345R28N22P MS17345R28N22S MS17346C28C22P MS17346C28C22S MS17346C28N22P MS17346C28N22S MS17346R28C22P MS17346R28C22S MS17346R28N22P MS17346R28N22S MS17347C28C22P MS17347C28C22S MS17347C28N22P MS17347C28N22S MS17347R28C22P MS17347R28C22S MS17347R28N22P MS17347R28N22S MS17348C28C22P	

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
6	(3)-4 (3)-16	MS17348C28C22S	D
		MS17348C28N22P	
		MS17348C28N22S	
		MS17348R28C22P	
		MS17348R28C22S	
		MS17348R28N22P	
		MS17348R28N22S	
	(3)-8, (3)-16	MS17343C20C22P	A
		MS17343C20C22S	
		MS17343C20N22P	
		MS17343C20N22S	
		MS17343R20C22P	
		MS17343R20C22S	
		MS17343R20N22P	
		MS17343R20N22S	
		MS17344C20C22P	
		MS17344C20C22S	
		MS17344C20N22P	
		MS17344C20N22S	
		MS17344R20C22P	
		MS17344R20C22S	
		MS17344R20N22P	
		MS17344R20N22S	
		MS17345C20C22P	
		MS17345C20C22S	
		MS17345C20N22P	
		MS17345C20N22S	
		MS17345R20C22P	
		MS17345R20C22S	
		MS17345R20N22P	
		MS17345R20N22S	
		MS17346C20C22P	
		MS17346C20C22S	
		MS17346C20N22P	
		MS17346C20N22S	
		MS17346R20C22P	
		MS17346R20C22S	
		MS17346R20N22P	
		MS17346R20N22S	
		MS17347C20C22P	
		MS17347C20C22S	
		MS17347C20N22P	
		MS17347C20N22S	
		MS17347R20C22P	
		MS17347R20C22S	
		MS17347R20N22P	
		MS17347R20N22S	
		MS17348C20C22P	
		MS17348C20C22S	
		MS17348C20N22P	
		MS17348C20N22S	
		MS17348R20C22P	
		MS17348R20C22S	
		MS17348R20N22P	
		MS17348R20N22S	

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
6	(5)-12, (1)-16	MS17343C22C15P MS17343C22C15S MS17343C22N15P MS17343C22N15S MS17343R22C15P MS17343R22C15S MS17343R22N15P MS17343R22N15S MS17344C22C15P MS17344C22C15S MS17344C22N15P MS17344C22N15S MS17344R22C15P MS17344R22C15S MS17344R22N15P MS17344R22N15S MS17345C22C15P MS17345C22C15S MS17345C22N15P MS17345C22N15S MS17345R22C15P MS17345R22C15S MS17345R22N15P MS17345R22N15S MS17346C22C15P MS17346C22C15S MS17346C22N15P MS17346C22N15S MS17346R22C15P MS17346R22C15S MS17346R22N15P MS17346R22N15S MS17347C22C15P MS17347C22C15S MS17347C22N15P MS17347C22N15S MS17347R22C15P MS17347R22C15S MS17347R22N15P MS17347R22N15S MS17348C22C15P MS17348C22C15S MS17348C22N15P MS17348C22N15S MS17348R22C15P MS17348R22C15S MS17348R22N15P MS17348R22N15S	E/A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
7	(2)-4, (2)-8, (3)-12	MS17343C28C10P MS17343C28C10S MS17343C28N10P MS17343C28N10S MS17343R28C10P MS17343R28C10S MS17343R28N10P MS17343R28N10S MS17344P28C10P MS17344C28C10S MS17344C28N10P MS17344C28N10S MS17344R28C10P MS17344R28C10S MS17344R28N10P MS17344R28N10S MS17345C28C10P MS17345C28C10S MS17345C28N10P MS17345C28N10S MS17345R28C10P MS17345R28C10S MS17345R28N10P MS17345R28N10S MS17346C28C10P MS17346C28C10S MS17346C28N10P MS17346C28N10S MS17346R28C10P MS17346R28C10S MS17346R28N10P MS17346R28N10S MS17347C28C10P MS17347C28C10S MS17347C28N10P MS17347C28N10S MS17347R28C10P MS17347R28C10S MS17347R28N10P MS17347R28N10S MS17348C28C10P MS17348C28C10S MS17348C28N10P MS17348C28N10S MS17348R28C10P MS17348R28C10S MS17348R28N10P MS17348R28N10S	D/A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
7	8	MS17343C24C10P MS17343C24C10S MS17343C24N10P MS17343C24N10S MS17343R24C10P MS17343R24C10S MS17343R24N10P MS17343R24N10S MS17344C24C10P MS17344C24C10S MS17344C24N10P MS17344C24N10S MS17344R24C10P MS17344R24C10S MS17344R24N10P MS17344R24N10S MS17345C24C10P MS17345C24C10S MS17345C24N10P MS17345C24N10S MS17345R24C10P MS17345R24C10S MS17345R24N10P MS17345R24N10S MS17346C24C10P MS17346C24C10S MS17346C24N10P MS17346C24N10S MS17346R24C10P MS17346R24C10S MS17346R24N10P MS17346R24N10S MS17347C24C10P MS17347C24C10S MS17347C24N10P MS17347C24N10S MS17347R24C10P MS17347R24C10S MS17347R24N10P MS17347R24N10S MS17348C24C10P MS17348C24C10S MS17348C24N10P MS17348C24N10S MS17348R24C10P MS17348R24C10S MS17348R24N10P MS17348R24N10S	A

MIL-STD-13538
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
7	(2)-12, (5)-16	MS17343C18C9P MS17343C18C9S MS17343C18N9P MS17343C18N9S MS17343R18C9P MS17343R18C9S MS17343R18N9P MS17343R18N9S MS17344C18C9P MS17344C18C9S MS17344C18N9P MS17344C18N9S MS17344R18C9P MS17344R18C9S MS17344R18N9P MS17344R18N9S MS17345C18C9P MS17345C18C9S MS17345C18N9P MS17345C18N9S MS17345R18C9P MS17345R18C9S MS17345R18N9P MS17345R18N9S MS17346C18C9P MS17346C18C9S MS17346C18N9P MS17346C18N9S MS17346R18C9P MS17346R18C9S MS17346R18N9P MS17346R18N9S MS17347C18C9P MS17347C18C9S MS17347C18N9P MS17347C18N9S MS17347R18C9P MS17347R18C9S MS17347R18N9P MS17347R18N9S MS17348C18C9P MS17348C18C9S MS17348C18N9P MS17348C18N9S MS17348R18C9P MS17348R18C9S MS17348R18N9P MS17348R18N9S	Inst.

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
7	12	MS17343C20C15P MS17343C20C15S MS17343C20N15P MS17343C20N15S MS17343R20C15P MS17343R20C15S MS17343R20N15P MS17343R20N15S MS17344C20C15P MS17344C20C15S MS17344C20N15P MS17344C20N15S MS17344R20C15P MS17344R20C15S MS17344R20N15P MS17344R20N15S MS17345C20C15P MS17345C20C15S MS17345C20N15P MS17345C20N15S MS17345R20C15P MS17345R20C15S MS17345R20N15P MS17345R20N15S MS17345C20C15P MS17346C20C15S MS17346C20N15P MS17346C20N15S MS17346R20C15P MS17346R20C15S MS17346R20N15P MS17346R20N15S MS17347C20C15P MS17347C20C15S MS17347C20N15P MS17347C20N15S MS17347R20C15P MS17347R20C15S MS17347R20N15P MS17347R20N15S MS17348C20C15P MS17348C20C15S MS17348C20N15P MS17348C20N15S MS17348R20C15P MS17348R20C15S MS17348R20N15P MS17348R20N15S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
8	(2)-0, (6)-12	MS17343C32C15P MS17343C32C15S MS17343C32N15P MS17343C32N15S MS17343R32C15P MS17343R32C15S MS17343R32N15P MS17343R32N15S MS17344C32C15P MS17344C32C15S MS17344C32N15P MS17344C32N15S MS17344R32C15P MS17344R32C15S MS17344R32N15P MS17344R32N15S MS17345C32C15P MS17345C32C15S MS17345C32N15P MS17345C32N15S MS17345R32C15P MS17345R32C15S MS17345R32N15P MS17345R32N15S MS17346C32C15P MS17346C32C15S MS17346C32N15P MS17346C32N15S MS17346R32C15P MS17346R32C15S MS17346R32N15P MS17346R32N15S MS17347C32C15P MS17347C32C15S MS17347C32N15P MS17347C32N15S MS17347R32C15P MS17347R32C15S MS17347R32N15P MS17347R32N15S MS17348C32C15P MS17348C32C15S MS17348C32N15P MS17348C32N15S MS17348R32C15P MS17348R32C15S MS17348R32N15P MS17348R32N15S	D

MIL-STD-1353B
2 July 1980

TABLE 102-J. Standard connectors, MIL-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
8	(1)-12, (7)-16	MS17343C18C8P MS17343C18C8S MS17343C18N8P MS17343C18N8S MS17343R18C8P MS17343R18C8S MS17343R18N8P MS17343R18N8S MS17344C18C8P MS17344C18C8S MS17344C18N8P MS17344C18N8S MS17344R18C8P MS17344R18C8S MS17344R18N8P MS17344R18N8S MS17345C18C8P MS17345C18C8S MS17345C18N8P MS17345C18N8S MS17345R18C8P MS17345R18C8S MS17345R18N8P MS17345R18N8S MS17346C18C8P MS17346C18C8S MS17346C18N8P MS17346C18N8S MS17346R18C8P MS17346R18C8S MS17346R18N8P MS17346R18N8S MS17347C18C8P MS17347C18C8S MS17347C18N8P MS17347C18N8S MS17347R18C8P MS17347R18C8S MS17347R18N8P MS17347R18N8S MS17348C18C8P MS17348C18C8S MS17348C18N8P MS17348C18N8S MS17348R18C8P MS17348R18C8S MS17348R18N8P MS17348R18N8S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
8	(1)-12, (7)-16	MS17343C20C9P MS17343C20C9S MS17343C20N9P MS17343C20N9S MS17343R20C9P MS17343R20C9S MS17343R20N9P MS17343R20N9S MS17344C20C9P MS17344C20C9S MS17344C20N9P MS17344C20N9S MS17344R20C9P MS17344R20C9S MS17344R20N9P MS17344R20N9S MS17345C20C9P MS17345C20C9S MS17345C20N9P MS17345C20N9S MS17345R20C9P MS17345R20C9S MS17345R20N9P MS17345R20N9S MS17346C20C9P MS17346C20C9S MS17346C20N9P MS17346C20N9S MS17346R20C9P MS17346R20C9S MS17346R20N9P MS17346R20N9S MS17347C20C9P MS17347C20C9S MS17347C20N9P MS17347C20N9S MS17347R20C9P MS17347R20C9S MS17347R20N9P MS17347R20N9S MS17348C20C9P MS17348C20C9S MS17348C20N9P MS17348C20N9S MS17348R20C9P MS17348R20C9S MS17348R20N9P MS17348R20N9S	D/A

MIL-STD-1353E
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
8	12	MS17343C22C23P MS17343C22C23S MS17343C22N23P MS17343C22N23S MS17343R22C23P MS17343R22C23S MS17343R22N23P MS17343R22N23S MS17344C22C23P MS17344C22C23S MS17344C22N23P MS17344C22N23S MS17344R22C23P MS17344R22C23S MS17344R22N23P MS17344R22N23S MS17345C22C23P MS17345C22C23S MS17345C22N23P MS17345C22N23S MS17345R22C23P MS17345R22C23S MS17345R22N23P MS17345R22N23S MS17346C22C23P MS17346C22C23S MS17346C22N23P MS17346C22N23S MS17346R22C23P MS17346R22C23S MS17346R22N23P MS17346R22N23S MS17347C22C23P MS17347C22C23S MS17347C22N23P MS17347C22N23S MS17347R22C23P MS17347R22C23S MS17347R22N23P MS17347R22N23S MS17348C22C23P MS17348C22C23S MS17348C22N23P MS17348C22N23S MS17348R22C23P MS17348R22C23S MS17348R22N23P MS17348R22N23S	D/A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
8	12	MS17343C24C6P MS17343C24C6S MS17343C24N6P MS17343C24N6S MS17343R24C6P MS17343R24C6S MS17343R24N6P MS17343R24N6S MS17344C24C6P MS17344C24C6S MS17344C24N6P MS17344C24N6S MS17344R24C6P MS17344R24C6S MS17344R24N6P MS17344R24N6S MS17345C24C6P MS17345C24C6S MS17345C24N6P MS17345C24N6S MS17345R24C6P MS17345R24C6S MS17345R24N6P MS17345R24N6S MS17346C24C6P MS17346C24C6S MS17346C24N6P MS17346C24N6S MS17346R24C6P MS17346R24C6S MS17346R24N6P MS17346R24N6S MS17347C24C6P MS17347C24C6S MS17347C24N6P MS17347C24N6S MS17347R24C6P MS17347R24C6S MS17347R24N6P MS17347R24N6S MS17348C24C6P MS17348C24C6S MS17348C24N6P MS17348C24N6S MS17348R24C6P MS17348R24C6S MS17348R24N6P MS17348R24N6S	D/A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
8	16	MS17343C20C7P MS17343C20C7S MS17343C20N7P MS17343C20N7S MS17343R20C7P MS17343R20C7S MS17343R20N7P MS17343R20N7S MS17344C20C7P MS17344C20C7S MS17344C20N7P MS17344C20N7S MS17344R20C7P MS17344R20C7S MS17344R20N7P MS17344R20N7S MS17345C20C7P MS17345C20C7S MS17345C20N7P MS17345C20N7S MS17345R20C7P MS17345R20C7S MS17345R20N7P MS17345R20N7S MS17346C20C7P MS17346C20C7S MS17346C20N7P MS17346C20N7S MS17346R20C7P MS17346R20C7S MS17346R20N7P MS17346R20N7S MS17347C20C7P MS17347C20C7S MS17347C20N7P MS17347C20N7S MS17347R20C7P MS17347R20C7S MS17347R20N7P MS17347R20N7S MS17348C20C7P MS17348C20C7S MS17348C20N7P MS17348C20N7S MS17348C20C7P MS17348C20C7S MS17348C20N7P MS17348C20N7S	D/A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
9	(3)-8, (6)-12	MS17343C28C1P MS17343C28C1S MS17343C28N1P MS17343C28N1S MS17343R28C1P MS17343R28C1S MS17343R28N1P MS17343R28N1S MS17344C28C1P MS17344C28C1S MS17344C28N1P MS17344C28N1S MS17344R28C1P MS17344R28C1S MS17344R28N1P MS17344R28N1S MS17345C28C1P MS17345C28C1S MS17345C28N1P MS17345C28N1S MS17345R28C1P MS17345R28C1S MS17345R28N1P MS17345R28N1S MS17346C28C1P MS17346C28C1S MS17346C28N1P MS17346C28N1S MS17346R28C1P MS17346R28C1S MS17346R28N1P MS17346R28N1S MS17347C28C1P MS17347C28C1S MS17347C28N1P MS17347C28N1S MS17347R28C1P MS17347R28C1S MS17347R28N1P MS17347R28N1S MS17348C28C1P MS17348C28C1S MS17348C28N1P MS17348C28N1S MS17348R28C1P MS17348R28C1S MS17348R28N1P MS17348R28N1S	D/A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
9	(3)-12, (6)-16	MS17343C20C18P MS17343C20C18S MS17343C20N18P MS17343C20N18S MS17343R20C18P MS17343R20C18S MS17343R20N18P MS17343R20N18S MS17344C20C18P MS17344C20C18S MS17344C20N18P MS17344C20N18S MS17344R20C18P MS17344R20C18S MS17344R20N18P MS17344R20N18S MS17345C20C18P MS17345C20C18S MS17345C20N18P MS17345C20N18S MS17345R20C18P MS17345R20C18S MS17345R20N18P MS17345R20N18S MS17346C20C18P MS17346C20C18S MS17346C20N18P MS17346C20N18S MS17346R20C18P MS17346R20C18S MS17346R20N18P MS17346R20N18S MS17347C20C18P MS17347C20C18S MS17347C20N18P MS17347C20N18S MS17347R20C18P MS17347R20C18S MS17347R20N18P MS17347R20N18S MS17348C20C18P MS17348C20C18S MS17348C20N18P MS17348C20N18S MS17348R20C18P MS17348R20C18S MS17348R20N18P MS17348R20N18S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
9	(1)-0, (2)-4, (2)-12, (4)-16	MS17343C32C3P MS17343C32C3S MS17343C32N3P MS17343C32N3S MS17343R32C3P MS17343R32C3S MS17343R32N3P MS17343R32N3S MS17344C32C3P MS17344C32C3S MS17344C32N3P MS17344C32N3S MS17344R32C3P MS17344R32C3S MS17344R32N3P MS17344R32N3S MS17345C32C3P MS17345C32C3S MS17345C32N3P MS17345C32N3S MS17345R32C3P MS17345R32C3S MS17345R32N3P MS17345R32N3S MS17346C32C3P MS17346C32C3S MS17346C32N3P MS17346C32N3S MS17346R32C3P MS17346R32C3S MS17346R32N3P MS17346R32N3S MS17347C32C3P MS17347C32C3S MS17347C32N3P MS17347C32N3S MS17347R32C3P MS17347R32C3S MS17347R32N3P MS17347R32N3S MS17348C32C3P MS17348C32C3S MS17348C32N3P MS17348C32N3S MS17348R32C3P MS17348R32C3S MS17348R32N3P MS17348R32N3S	D

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
11	(2)-12, (9)-16	MS17343C24C20P MS17343C24C20S MS17343C24N20P MS17343C24N20S MS17343R24C20P MS17343R24C20S MS17343R24N20P MS17343R24N20S MS17344C24C20P MS17344C24C20S MS17344C24N20P MS17344C24N20S MS17344R24C20P MS17344R24C20S MS17344R24N20P MS17344R24N20S MS17345C24C20P MS17345C24C20S MS17345C24N20P MS17345C24N20S MS17345R24C20P MS17345R24C20S MS17345R24N20P MS17345R24N20S MS17346C24C20P MS17346C24C20S MS17346C24N20P MS17346C24N20S MS17346R24C20P MS17346R24C20S MS17346R24N20P MS17346R24N20S MS17347C24C20P MS17347C24C20S MS17347C24N20P MS17347C24N20S MS17347R24C20P MS17347R24C20S MS17347R24N20P MS17347R24N20S MS17348C24C20P MS17348C24C20S MS17348C24N20P MS17348C24N20S MS17348R24C20P MS17348R24C20S MS17348R24N20P MS17348R24N20S	D

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
12	(6)-12, (6)-16	MS17343C28C9P MS17343C28C9S MS17343C28N9P MS17343C28N9S MS17343R28C9P MS17343R28C9S MS17343R28N9P MS17343R28N9S MS17344C28C9P MS17344C28C9S MS17344C28N9P MS17344C28N9S MS17344R28C9P MS17344R28C9S MS17344R28N9P MS17344R28N9S MS17345C28C9P MS17345C28C9S MS17345C28N9P MS17345C28N9S MS17345R28C9P MS17345R28C9S MS17345R28N9P MS17345R28N9S MS17346C28C9P MS17346C28C9S MS17346C28N9P MS17346C28N9S MS17346R28C9P MS17346R28C9S MS17346R28N9P MS17346R28N9S MS17347C28C9P MS17347C28C9S MS17347C28N9P MS17347C28N9S MS17347R28C9P MS17347R28C9S MS17347R28N9P MS17347R28N9S MS17348C28C9P MS17348C28C9S MS17348C28N9P MS17348C28N9S MS17348R28C9P MS17348R28C9S MS17348R28N9P MS17348R28N9S	D

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
14	(10)-12, (4)-16	MS17343C28C20P MS17343C28C20S MS17343C28N20P MS17343C28N20S MS17343R28C20P MS17343R28C20S MS17343R28N20P MS17343R28N20S MS17344C28C20P MS17344C28C20S MS17344C28N20P MS17344C28N20S MS17344R28C20P MS17344R28C20S MS17344R28N20P MS17344R28N20S MS17345C28C20P MS17345C28C20S MS17345C28N20P MS17345C28N20S MS17345R28C20P MS17345R28C20S MS17345R28N20P MS17345R28N20S MS17346C28C20P MS17346C28C20S MS17346C28N20P MS17346C28N20S MS17346R28C20P MS17346R28C20S MS17346R28N20P MS17346R28N20S MS17347C28C20P MS17347C28C20S MS17347C28N20P MS17347C28N20S MS17347R28N20P MS17347R28C20S MS17347R28N20P MS17347R28N20S MS17348C28C20P MS17348C28C20S MS17348C28N20P MS17348C28N20S MS17348R28C20P MS17348R28C20S MS17348R28N20P MS17348R28N20S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
14	16	MS17343C22C19P MS17343C22C19S MS17343C22N19P MS17343C22N19S MS17343R22C19P MS17343R22C19S MS17343R22N19P MS17343R22N19S MS17344C22C19P MS17344C22C19S MS17344C22N19P MS17344C22N19S MS17344R22C19P MS17344R22C19S MS17344R22N19P MS17344R22N19S MS17345C22C19P MS17345R22N19S MS17345R22N19P MS17345R22N19S MS17345R22C19P MS17345R22C19S MS17345R22N19P MS17345R22N19S MS17346C22C19P MS17346C22C19S MS17346C22N19P MS17346C22N19S MS17346R22C19P MS17346R22C19S MS17346R22N19P MS17346R22N19S MS17347C22C19P MS17347C22C19S MS17347C22N19P MS17347C22N19S MS17347R22C19P MS17347R22C19S MS17347R22N19P MS17347R22N19S MS17348C22C19P MS17348C22C19S MS17348C22N19P MS17348C22N19S MS17348R22C19P MS17348R22C19S MS17348R22N19P MS17348R22N19S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
16	(2)-12, (14)-16	MS17343C24C7P MS17343C27C7S MS17343C27N7P MS17343C27N7S MS17343R24C7P MS17343R24C7S MS17343R24N7P MS17343R24N7S MS17344C24C7P MS17344C24C7S MS17344C24N7P MS17344C24N7S MS17344R24C7P MS17344R24C7S MS17344R24N7P MS17344R24N7S MS17345C24C7P MS17345C24C7S MS17345C24N7P MS17345C24N7S MS17345R24C7P MS17345R24C7S MS17345R24N7P MS17345R24N7S MS17346C24C7P MS17346C24C7S MS17346C24N7P MS17346C24N7S MS17346R24C7P MS17346R24C7S MS17346R24N7P MS17346R24N7S MS17347C24C7P MS17347C24C7S MS17347C24N7P MS17347C24N7S MS17347R24C7P MS17347R24C7S MS17347R24N7P MS17347R24N7S MS17348C24C7P MS17348C24C7S MS17348C24N7P MS17348C24N7S MS17348R24C7P MS17348R24C7S MS17348R24N7P MS17348R24N7S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
17	16	MS17343C20C29P MS17343C20C29S MS17343C20N29P MS17343C20N29S MS17343R20C29R MS17343R20C29S MS17343R20N29P MS17343R20N29S MS17344C20C29P MS17344C20C29S MS17344C20N29P MS17344C20N29S MS17344R20C29P MS17344R20C29S MS17344R20N29P MS17344R20N29S MS17345C20C29P MS17345C20C29S MS17345C20N29P MS17345C20N29S MS17345R20C29P MS17345R20C29S MS17345R20N29P MS17345R20N29S MS17346C20C29P MS17346C20C29S MS17346C20N29P MS17346C20N29S MS17346R20C29P MS17346R20C29S MS17346R20N29P MS17346R20N29S MS17347C20C29P MS17347C20C29S MS17347C20N29P MS17347C20N29S MS17347R20C29P MS17347R20C29S MS17347R20N29P MS17347R20N29S MS17348C20C29P MS17348C20C29S MS17348C20N29P MS17348C20N29S MS17348R20C29P MS17348R20C29S MS17348R20N29P MS17348R20N29S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
23	(2)-4, (3)-8, (2)-12, (16)-16	MS17343C32C6P MS17343C32C6S MS17343C32N6P MS17343C32N6S MS17343R32C6P MS17343R32C6S MS17343R32N6P MS17343R32N6S MS17344C32C6P MS17344C32C6S MS17344C32N6P MS17344C32N6S MS17344R32C6P MS17344R32C6S MS17344R32N6P MS17344R32N6S MS17345C32C6P MS17345C32C6S MS17345C32N6P MS17345C32N6S MS17345R32C6P MS17345R32C6S MS17345R32N6P MS17345R32N6S MS17346C32C6P MS17346C32C6S MS17346C32N6P MS17346C32N6S MS17346R32C6P MS17346R32C6S MS17346R32N6P MS17346R32N6S MS17347C32C6P MS17347C32C6S MS17347C32N6P MS17347C32N6S MS17347R32C6P MS17347R32C6S MS17347R32N6P MS17347R32N6S MS17348C32C6P MS17348C32C6S MS17348C32N6P MS17348C32N6S MS17348R32C6P MS17348R32C6S MS17348R32N6P MS17348R32N6S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
23	(5)-12, (18)-16	MS17343C32C13P MS17343C32C13S MS17343C32N13P MS17343C32N13S MS17343R32C13P MS17343R32C13S MS17343R32N13P MS17343R32N13S MS17344C32C13P MS17344C32C13S MS17344C32N13P MS17344C32N13S MS17344R32C13P MS17344R32C13S MS17344R32N13P MS17344R32N13S MS17345C32C13P MS17345C32C13S MS17345C32N13P MS17345C32N13S MS17345R32C13P MS17345R32C13S MS17345R32N13P MS17345R32N13S MS17346C32C13P MS17346C32C13S MS17346C32N13P MS17346C32N13S MS17346R32C13P MS17346R32C13S MS17346R32N13P MS17346R32N13S MS17347C32C13P MS17347C32C13S MS17347C32N13P MS17347C32N13S MS17347R32C13P MS17347R32C13S MS17347R32N13P MS17347R32N13S MS17348C32C13P MS17348C32C13S MS17348C32N13P MS17348C32N13S MS17348R32C13P MS17348R32C13S MS17348R32N13P MS17348R32N13S	D

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
26	16	MS17343C28C12P MS17343C28C12S MS17343C28N12P MS17343C28N12S MS17343R28C12P MS17343R28C12S MS17343R28N12P MS17343R28N12S MS17344C28C12P MS17344C28C12S MS17344C28N12P MS17344C28N12S MS17344R28C12P MS17344R28C12S MS17344R28N12P MS17344R28N12S MS17345C28C12P MS17345C28C12S MS17345C28N12P MS17345C28N12S MS17345R28C12P MS17345R28C12S MS17345R28N12P MS17345R28N12S MS17346C28C12P MS17346C28C12S MS17346C28N12P MS17346C28N12S MS17346R28C12P MS17346R28C12S MS17346R28N12P MS17346R28N12S MS17347C28C12P MS17347C28C12S MS17347C28N12P MS17347C28N12S MS17347R28C12P MS17347R28C12S MS17347R28N12P MS17347R28N12S MS17348C28C12P MS17348C28C12S MS17348C28N12P MS17348C28N12S MS17348R28C12P MS17348R28C12S MS17348R28N12P MS17348R28N12S	A

MIL-STD-1353B

2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
31	(1)-4, (2)-8, (14)-12, (14)-16	MS17343C36C9P MS17343C36C9S MS17343C36N9P MS17343C36N9S MS17343R36C9P MS17343R36C9S MS17343R36N9P MS17343R36N9S MS17344C36C9P MS17344C36C9S MS17344C36N9P MS17344C36N9S MS17344R36C9P MS17344R36C9S MS17344R36N9P MS17344R36N9S MS17345C36C9P MS17345C36C9S MS17345C36N9P MS17345C36N9S MS17345R36C9P MS17345R36C9S MS17345R36N9P MS17345R36N9S MS17346C36C9P MS17346C36C9S MS17346C36N9P MS17346C36N9S MS17346R36C9P MS17346R36C9S MS17346R36N9P MS17346R36N9S MS17347C36C9P MS17347C36C9S MS17347C36N9P MS17347C36N9S MS17347R36C9P MS17347R36C9S MS17347R36N9P MS17347R36N9S MS17348C36C9P MS17348C36C9S MS17348C36N9P MS17348C36N9S MS17348R36C9P MS17348R36C9S MS17348R36N9P MS17348R36N9S	A

MIL-STD-1353E

2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
35	(7)-12, (28)-16	MS17343C32C7P MS17343C32C7S MS17343C32N7P MS17343C32N7S MS17343R32C7P MS17343R32C7S MS17343R32N7P MS17343R32N7S MS17344C32C7P MS17344C32C7S MS17344C32N7P MS17344C32N7S MS17344R32C7P MS17344R32C7S MS17344R32N7P MS17344R32N7S MS17345C32C7P MS17345C32C7S MS17345C32N7P MS17345C32N7S MS17345R32C7P MS17345R32C7S MS17345R32N7P MS17345P32N7S MS17346C32C7P MS17346C32C7S MS17346C32N7P MS17346C32N7S MS17346R32C7P MS17346R32C7S MS17346R32N7P MS17346R32N7S MS17347C32C7P MS17347C32C7S MS17347C32N7P MS17347C32N7S MS17347R32C7P MS17347R32C7S MS17347R32N7P MS17347R32N7S MS17348C32C7P MS17348C32C7S MS17348C32N7P MS17348C32N7S MS17348R32C7P MS17348R32C7S MS17348R32N7P MS17348R32N7S	Inst/A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
37	16	MS17343C28C21P MS17343C28C21S MS17343C28N21P MS17343C28N21S MS17343R28C21P MS17343R28C21S MS17343R28N21P MS17343R28N21S MS17344C28C21P MS17344C28C21S MS17344C28N21P MS17344C28N21S MS17344R28C21P MS17344R28C21S MS17344R28N21P MS17344R28N21S MS17345C28C21P MS17345C28C21S MS17345C28N21P MS17345C28N21S MS17345R28C21P MS17345R28C21S MS17345R28N21P MS17345R28N21S MS17346C28C21P MS17346C28C21S MS17346C28N21P MS17346C28N21S MS17346R28C21P MS17346R28C21S MS17346R28N21P MS17346R28N21S MS17347C28C21P MS17347C28C21S MS17347C28N21P MS17347C28N21S MS17347R28C21P MS17347R28C21S MS17347R28N21P MS17347R28N21S MS17348C28C21P MS17348C28C21S MS17348C28N21P MS17348C28N21S MS17348R28C21P MS17348R28C21S MS17348R28N21P MS17348R28N21S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
47	(1)-8, (22)-12, (24)-16	MS17343C40C9P MS17343C40C9S MS17343C40N9P MS17343C40N9S MS17343R40C9P MS17343R40C9S MS17343R40N9P MS17343R40N9S MS17344C40C9P MS17344C40C9S MS17344C40N9P MS17344C40N9S MS17344R40C9P MS17344R40C9S MS17344R40N9P MS17344R40N9S MS17345C40C9P MS17345C40C9S MS17345C40N9P MS17345C40N9S MS17345R40C9P MS17345R40C9S MS17345R40N9P MS17345R40N9S MS17346C40C9P MS17346C40C9S MS17346C40N9P MS17346C40N9S MS17346R40C9P MS17346R40C9S MS17346R40N9P MS17346R40N9S MS17347C40C9P MS17347C40C9S MS17347C40N9P MS17347C40N9S MS17347R40C9P MS17347R40C9S MS17347R40N9P MS17347R40N9S MS17348C40C9P MS17348C40C9S MS17348C40N9P MS17348C40N9S MS17348R40C9P MS17348R40C9S MS17348R40N9P MS17348R40N9S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
47	(1)-12, (46)-16	MS17343C36C8P MS17343C36C8S MS17343C36N8P MS17343C36N8S MS17343R36C8P MS17343R36C8S MS17343R36N8P MS17343R36N8S MS17344C36C8P MS17344C36C8S MS17344C36N8P MS17344C36N8S MS17344R36C8P MS17344R36C8S MS17344R36N8P MS17344R36N8S MS17345C36C8P MS17345C36C8S MS17345C36N8P MS17345C36N8S MS17345R36C8P MS17345R36C8S MS17345R36N8P MS17345R36N8S MS17346C36C8P MS17346C36C8S MS17346C36N8P MS17346C36N8S MS17346R36C8P MS17346R36C8S MS17346R36N8P MS17346R36N8S MS17347C36C8P MS17347C36C8S MS17347C36N8P MS17347C36N8S MS17347R36C8P MS17347R36C8S MS17347R36N8P MS17347R36N8S MS17348C36C8P MS17348C36C8S MS17348C36N8P MS17348C36N8S MS17348R36C8P MS17348R36C8S MS17348R36N8P MS17348R36N8S	A

MIL-STD-1353B
2 July 1980

TABLE 102-1. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
47	(7)-12, (40)-16	MS17343C36C7P MS17343C36C7S MS17343C36N7P MS17343C36N7S MS17343R36C7P MS17343R36C7S MS17343R36N7P MS17343R36N7S MS17344C36C7P MS17344C36C7S MS17344C36N7P MS17344C36N7S MS17344R36C7P MS17344R36C7S MS17344R36N7P MS17344R36N7S MS17345C36C7P MS17345C36C7S MS17345C36N7P MS17345C36N7S MS17345R36C7P MS17345R36C7S MS17345R36N7P MS17345R36N7S MS17346C36C7P MS17346C36C7S MS17346C36N7P MS17346C36N7S MS17346R36C7P MS17346R36C7S MS17346R36N7P MS17346R36N7S MS17347C36C7P MS17347C36C7S MS17347C36N7P MS17347C36N7S MS17347R36C7P MS17347R36C7S MS17347R36N7P MS17347R36N7S MS17348C36C7P MS17348C36C7S MS17348C36N7P MS17348C36N7S MS17348R36C7P MS17348R36C7S MS17348R36N7P MS17348R36N7S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
52	16	MS17343C36C52P MS17343C36C52S MS17343C36N52P MS17343C36N52S MS17343R36C52P MS17343R36C52S MS17343R36N52P MS17343R36N52S MS17344C36C52P MS17344C36C52S MS17344C36N52P MS17344C36N52S MS17344R36C52P MS17344R36C52S MS17344R36N52P MS17344R36N52S MS17345C36C52P MS17345C36C52S MS17345C36N52P MS17345C36N52S MS17345R36C52P MS17345R36C52S MS17345R36N52P MS17345R36N52S MS17346C36C52P MS17346C36C52S MS17346C36N52P MS17346C36N52S MS17346R36C52P MS17346R36C52S MS17346R36N52P MS17346R36N52S MS17347C36C52P MS17347C36C52S MS17347C36N52P MS17347C36N52S MS17347R36C52P MS17347R36C52S MS17347R36N52P MS17347R36N52S MS17348C36C52P MS17348C36C52S MS17348C36N52P MS17348C36N52S MS17348R36C52P MS17348R36C52S MS17348R36N52P MS17348R36N52S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
85	16	MS17343C40C56P MS17343C40C56S MS17343C40N56P MS17343C40N56S MS17343R40C56P MS17343R40C56S MS17343R40N56P MS17343R40N56S MS17344C40C56P MS17344C40C56S MS17344C40N56P MS17344C40N56S MS17344R40C56P MS17344R40C56S MS17344R40N56P MS17344R40N56S MS17345C40C56P MS17345C40C56S MS17345C40N56P MS17345C40N56S MS17345R40C56P MS17345R40C56S MS17345R40N56P MS17345R40N56S MS17346C40C56P MS17346C40C56S MS17346C40N56P MS17346C40N56S MS17346R40C56P MS17346R40C56S MS17346R40N56P MS17346R40N56S MS17347C40C56P MS17347C40C56S MS17347C40N56P MS17347C40N56S MS17347R40C56P MS17347R40C56S MS17347R40N56P MS17347R40N56S MS17348C40C56P MS17348C40C56S MS17348C40N56P MS17348C40N56S MS17348R40C56P MS17348R40C56S MS17348R40N56P MS17348R40N56S	A

MIL-STD-1353B
2 July 1980

TABLE 102-I. Standard connectors, MIL-C-22992 type. -Continued.

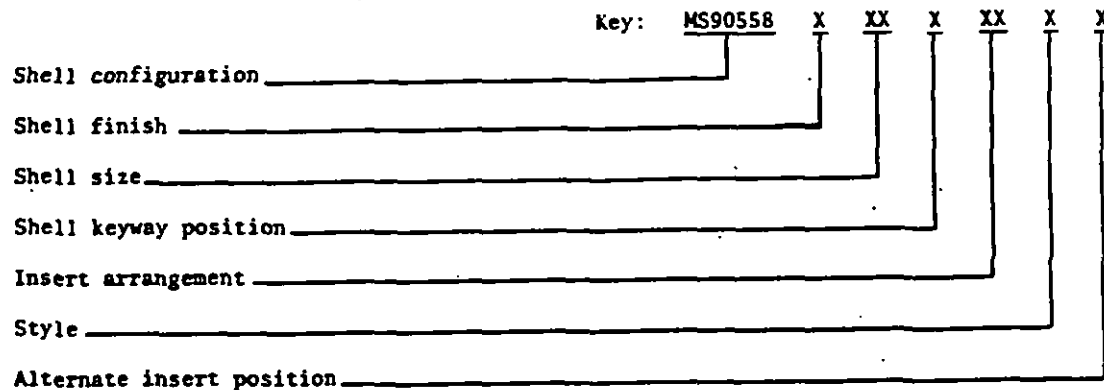
Number of contacts	Contact size (number)	Part number	Service rating
Classes C and R			
104	16	MS17343C44C52P MS17343C44C52S MS17343C44N52P MS17343C44N52S MS17343R44C52P MS17343R44C52S MS17343R44N52P MS17343R44N52S MS17344C44C52P MS17344C44C52S MS17344C44N52P MS17344C44N52S MS17344R44C52P MS17344R44C52S MS17344R44N52P MS17344R44N52S MS17345C44C52P MS17345C44C52S MS17345C44N52P MS17345C44N52S MS17345R44C52P MS17345R44C52S MS17345R44N52P MS17345R44N52S MS17346C44C52P MS17346C44C52S MS17346C44N52P MS17346C44N52S MS17346R44C52P MS17346R44C52S MS17346R44N52P MS17346R44N52S MS17347C44C52P MS17347C44C52S MS17347C44N52P MS17347C44N52S MS17347R44C52P MS17347R44C52S MS17347R44N52P MS17347R44N52S MS17348C44C52P MS17348C44C52S MS17348C44N52P MS17348C44N52S MS17348R44C52P MS17348R44C52S MS17348R44N52P MS17348R44N52S	A

MIL-STD-1353B
2 July 1980

MIL-C-22992 PART NUMBER SYSTEM

Class L

Part No. example: MS90558N32N08PW



Criteria:

Shell configuration:

MS90555 - Connector, receptacle, wall mounting
MS90556 - Connector, Plug, straight
MS90557 - Connector, plug, cable connecting
MS90558 - Connector, receptacle, wall mounting

Designated use:

Power receptacle
Cable plug 1/
Cable receptacle
Equipment plug 1/

1/ has coupling ring.

Shell finish: C - Conductive
N - Nonconductive (28 Vdc only)

Shell size: Shell size determines current rating as follows:

Size	Current rating (amps)
32	60
44	100
52	200

Shell keyway position: Different positions of the main keyway are used to discriminate between different power sources by voltage, phase, and number of wires.

Insert arrangement: See MS14054, MS14055, MS14057, MS90565

Even numbers 02, 04, 06, 12 (for Air Force and Navy use) are for Insulated Power Cable Engineers Association (IPCEA) cable.

Odd numbers 03, 05, 07, 13 (for Army use) are for MIL-C-3432 cable.

Style: P - Pins - See MIL-C-39029/48 (For MS90556 and MS90558 only)

S - Sockets - See MIL-C-39029/49 (For MS90555 and MS90557 only)

Alternate insert position - blank - dc and 60 Hz

W
X } .400 Hz
Y }

MIL-STD-1353B
2 July 1980

Standard connectors: See table 102.II.

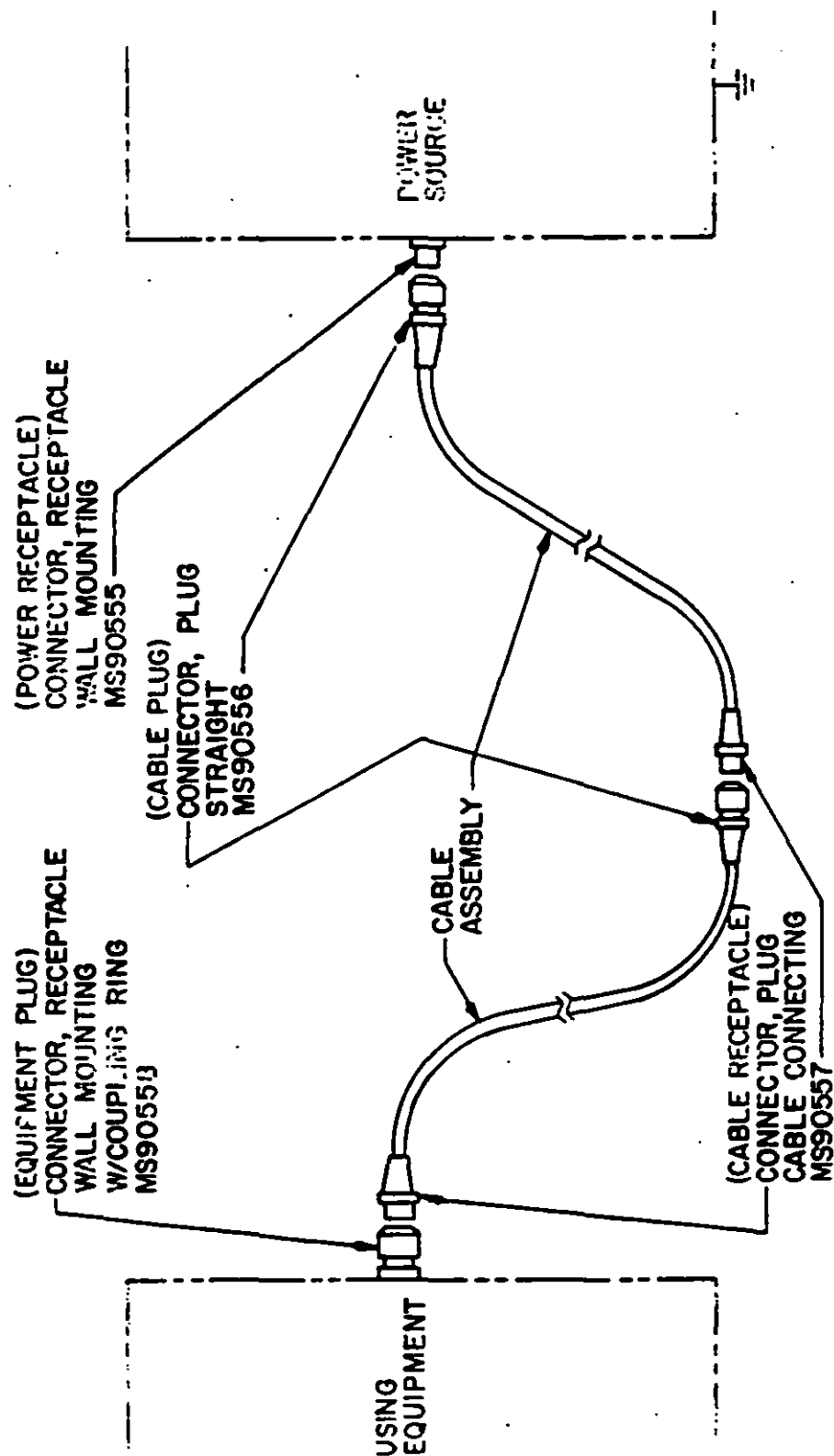
These connectors are a special design for power distribution using portable power cable. They are designed for use where they will be subjected to severe impacts such as: dropping on concrete, run over by vehicles, or subjected to extremes of field service use. They are arc quenching, if inadvertently separated under full load. They are waterproof when mated or unmated, capped or uncapped. They are designed to meet all Occupational Safety and Health Act (OSHA) and National Electric Code requirements for grounding connectors.

These connectors are designed with mating polarization for specific current rating, voltage, frequency (Hz), phase, and grounding requirements. This prevents mating with a connector of incompatible power characteristics.

Each connector is supplied with a cap or cover. In addition, each cable plug and cable receptacle is supplied with a cable gland and a cable grip. The cable grip is sized for the cable it will be used on. This sizing is controlled by the insert pattern number.

Cable interconnection: These connectors are designed for direct plug-in connection to equipment, or to other class "L" connectors in "extension cord" fashion. This is provided by a "one way" system wherein each of the different numbered connectors are designed for use as shown in figure 1.

2 July 1980



NOTE: Cable assemblies are used with standardized lengths which can be connected together in extension cord fashion.

FIGURE 1. Class L cable interconnection.

MIL-STD-1353B
2 July 1980

TABLE 102-II. Standard connectors, MIL-C-22992 type, class I.

Interconnection system	Component parts 1/ 2/	Interconnection system	Component parts 1/ 2/
60 ampere 28 Vdc 2 wire nongrounding	MS90555N32N02S MS90555N32N03S MS90556N32N02P MS90556N32N03P MS90557N32N02S MS90557N32N03S MS90558N32N02P MS90558N32N03P	60 ampere 240 Vac single phase 2 wire grounding 400 Hz	MS90555C32504SX MS90555C32505SX MS90556C32504PX MS90556C32505PX MS90557C32504SX MS90557C32505SX MS90558C32504PX MS90558C32505PX
60 ampere 120 Vac single phase 2 wire grounding 60 Hz	MS90555C32404S MS90555C32405S MS90556C32404P MS90556C32405P MS90557C32404S MS90557C32405S MS90558C32404P MS90558C32405P	60 ampere 120/240 Vac single phase 3 wire grounding 60 Hz	MS90555C32406S MS90555C32407S MS90556C32406P MS90556C32407P MS90557C32406S MS90557C32407S MS90558C32406P MS90558C32407P
60 ampere 120 Vac single phase 2 wire grounding 400 Hz	MS90555C32404SX MS90555C32405SX MS90556C32404PX MS90556C32405PX MS90557C32404SX MS90557C32405SX MS90558C32404PX MS90558C32405PX	60 ampere 120/208 Vac 3 phase 4 wire grounding 60 Hz	MS90555C32412S MS90555C32413S MS90556C32412P MS90556C32413P MS90557C32412S MS90557C32413S MS90558C32412P MS90558C32413P
60 ampere 240 Vac single phase 2 wire grounding 60 Hz	MS90555C32504S MS90555C32505S MS90556C32504P MS90556C32505P MS90557C32504S MS90557C32505S MS90558C32504P MS90558C32505P	60 amperes 120/208 Vac 3 phase 4 wire grounding 400 Hz	MS90555C32412SY MS90555C32413SY MS90556C32412PY MS90556C32413PY MS90557C32412SY MS90557C32413SY MS90558C32412PY MS90558C32413PY

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.

MIL-STD-1353B
2 July 1980

TABLE 102-II. Standard connectors, MIL-C-22992 type, Class 1 - 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	100 amperes 240 Vac single phase 2 wire grounding 60 Hz	MS90555C44504S MS90555C44505S MS90556C44504P MS90556C44505P MS90557C44504S MS90557C44505S MS90558C44504P MS90558C44505P
60 amperes 277/480 Vac 3 phase 4 wire grounding 60 Hz	MS90555C32612S MS90555C32613S MS90556C32612P MS90556C32613P MS90557C32612S MS90557C32613S MS90558C32612P MS90558C32613P	100 ampere 240 Vac single phase 2 wire grounding 400 Hz	MS90555C44504SW MS90555C44505SW MS90556C44504PW MS90556C44505PW MS90557C44504SW MS90557C44505SW MS90558C44504PW MS90558C44505PW
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	MS90555C44412S MS90555C44413S MS90556C44412P MS90556C44413P MS90557C44412S MS90557C44413S MS90558C44412P MS90558C44413P
		100 amperes 120/208 Vac 3 phase 4 wire grounding 400 Hz	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.

MIL-6TD-1353B

2 July 1980

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

Interconnection system	Component parts 1/ 2/	Interconnection system	Component parts 1/ 2/
100 amperes 240/416 Vac 3 phase 4 wire grounding 60 Hz	MS90555C44512S MS90555C44513S MS90556C44512P MS90556C44513P MS90557C44512S MS90557C44513S MS90558C44512P MS90558C44513P	200 amperes 120/208 Vac 3 phase 4 wire grounding 60 Hz	MS90555C52412S MS90555C52413S MS90556C52412P MS90556C52413P MS90557C52412S MS90557C52413S MS90558C52412P MS90558C52413P
100 amperes 240/416 Vac 3 phase 4 wire grounding 400 Hz	MS90555C44512SW MS90555C44513SW MS90556C44512PW MS90556C44513PW MS90557C44512SW MS90557C44513SW MS90558C44512PW MS90558C44513PW	200 amperes 120/208 Vac 3 phase 4 wire grounding 400 Hz	MS90555C52412SW MS90555C52413SW MS90556C52412PW MS90556C52413PW MS90557C52412SW MS90557C52413SW MS90558C52412PW MS90558C52413PW
100 amperes 277/480 Vac 3 phase 4 wire grounding 60 Hz	MS90555C44612S MS90555C44613S MS90556C44612P MS90556C44613P MS90557C44612S MS90557C44613S MS90558C44612P MS90558C44613P	200 amperes 240/416 Vac 3 phase 4 wire grounding 60 Hz	MS90555C52512S MS90555C52513S MS90556C52512P MS90556C52513P MS90557C52512S MS90557C52513S MS90558C52512P MS90558C52513P
200 amperes 28 Vdc 2 wire nongrounding	MS90555N52N02S MS90556N52N02P MS90557N52N02S MS90558N52N02P	200 amperes 240/416 Vac 3 phase 4 wire grounding 400 Hz	MS90555C52512SW MS90555C52513SW MS90556C52512PW MS90556C52513PW MS90557C52512SW MS90557C52513SW MS90558C52512PW MS90558C52513PW
200 amperes 120/240 Vac single phase 3 wire grounding 60 Hz	MS90555C52406S MS90556C52406P MS90557C52406S MS90558C52406P	200 ampere 277/480 Vac 3 phase 4 wire grounding 60 Hz	MS90555C52612S MS90555C52613S MS90556C52612P MS90556C52613P MS90557C52612S MS90557C52613S MS90558C52612P MS90558C52613P

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.

MIL-STD-1353B

2 July 1980

SECTION 103

CONNECTORS, RACK AND PANEL

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
<u>MIL-C-24308</u>	-This specification covers the general requirements for miniature rectangular connectors and accessories.		103.4
Class G	-Contacts: Crimp or solder Contact sizes: 20, 22D Temperature range: -55° to 125°C -Intended use: Class G connectors are intended for use in non-environment resisting applications where the operating temperature range of -55° to 125°C is experienced.		
Class N	-Contacts: solder or crimp. Contact sizes: 20, 22D Temperature range: -55° to 125°C -Intended use: Class N connectors are intended for use in applications wherein presence of residual magnetism must be held to very low levels to avoid interference with nearby sensitive instrumentation.		
Class H	-Contacts: solder Contact size: 20 Temperature range: -55° to 125°C -Intended use: Class H receptacles are intended for use in applications wherein atmospheric pressures must be contained by the connectors across the wall or panels they are mounted on.		
<u>MIL-C-28731</u>	-This specification covers rectangular, electrical connectors intended for use in electronic and electrical equipment. -Contacts: Removable, formed blade, crimp fork type, solder hole fork type, wrappost fork type. Contact wire sizes: 18-26 AWG. -Coupling: Jackscrews, jack sockets, fixed screws, and fixed sockets.		103.5

MIL-STD-1353B
2 July 1980

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
<u>MIL-C-28748</u>	<p>This specification covers the general requirements for standard rectangular connectors.</p> <p>Contacts: front release crimp</p> <p>Contact sizes: 16</p> <p>Coupling: Long jackscrews Guidepins Boss for jackscrews Boss for guidepins</p>	<p>For nonenvironmental applications only.</p>	103.12
<u>MIL-C-28804</u>	<p>This specification covers the general requirements for high density, polarized center jackscrew environment resisting connectors for electronic and electrical equipment where residual magnetism must be held to a minimum.</p>		103.19
Class G	<p>Contacts: Rear release crimp removable</p> <p>Contact size: 22</p> <p>General purpose</p> <p>Intended use: Class G connectors are intended for use in nonenvironment resisting applications where the operating temperature range of -55° to 125°C is experienced.</p>		
Class E	<p>Contacts: Rear release crimp removable</p> <p>Contact size: 22</p> <p>Environmental resisting</p> <p>Intended use: Class E connectors are intended for use in environmental resisting applications. Provisions are made for sealing around wire at rear of connectors.</p>		
<u>MIL-C-81659</u>	<p>-This specification covers environment resisting rectangular connectors with one to four inserts per connector.</p>		103.26
Series 2	<p>-Contacts: Rear release removable crimp contact sizes: 9 coax, 12, 16, 20, 22 insert: Keystone shape</p> <p>Temperature: -65° to 125°C, Class I</p> <p>Environmental rack and panel.</p>	<p>AF: Not for use.</p>	

MIL-STD-1353B

2 July 1985

Applicable
documentsMIL-C-55753Applicable characteristicsApplicable restrictions Page

103.26

This specification covers the general requirements for miniature environmental resisting, 200°C rectangular connectors. All the types and classes are interchangeable under the same shellsize.

Contacts: Rear release crimp
removable contact sizes: 12, 16, 20, 22D, 12 shielded

Temperature range: -65° to 200°C

Coupling mounting: Standard hole
Guidepins and spring
Guidepins
Guide sockets
Guide sockets and spring
Captive springs
Clinch nut
Pushing

MIL-STD-1353B
2 July 1980

MIL-C-24308 PART NUMBER SYSTEM

Part No. example: M24308/2-341

Key: M24308/XX - XXX

Military specification sheet _____

Dash number . _____

Criteria:

Class: G - General purpose
N - Nonmagnetic
H - Hermetic

Shell sizes: 1, 2, 3, 4, 5, and 6

Socket contact connectors: M24308/1, 2, 5, and 6

Shells and mounting: MS18270, MS18269, MS14058

Insert arrangements: MS14004, MS18273 thru MS18277

Contacts: MIL-C-39029/63, MIL-C-39029/57, MS 18281

Pin contact connectors: M24308/3, 4, 7, 8, and 9

Shells and mounting: MS18271; MS18268, MS18272, MS14059

Insert arrangements: MS14004, MS18273 thru MS18277

Contacts: MIL-C-39029/64, MIL-C-39029/58, MS 18281

Standard connectors: See table 103-1

MIL-STD-1353B
2 July 1980

TABLE 103-I. Standard connectors, MIL-C-24308 type.

Number of contacts and type	Contact size	Connector mounting	Part number M24308/
9S	20	Dual float	2-342
		Rigid	1-1
		Float	1-12
		Rigid	2-1
		Float	2-23
		Rigid	5-1
		Float	5-12
		Rigid	6-1
		Float	6-259
		Rigid	23-1
		Rigid	23-7
		Rigid	23-13
		Rigid	23-19
9P		Rigid	3-1
		Float	3-12
		Rigid	4-1
		Float	4-302
		Rigid	7-1
		Float	7-12
		Rigid	8-1
		Float	8-302
		Rigid	9-1
			9-6
			9-11
			9-16
			24-1
			24-7
			24-13
			24-19
			24-25
			24-31
			24-37
			24-43
			24-49
			24-55
15S		Dual Float	2-343
		Rigid	1-2
		Float	1-13
		Rigid	2-2
		Rigid	2-11
	22D	Float	2-24
	20	Float	2-28
	22D	Float	2-341
	20	Rigid	5-2
	20	Float	5-13
	20	Rigid	6-2
	22D	Rigid	6-11
	20	Float	6-260
	22D	Float	6-264
	20	Rigid	23-2
	20	Rigid	23-8
	20	Rigid	23-14
	20	Rigid	23-20
15P	20	Rigid	3-2
	20	Float	3-13
	20	Rigid	4-2
	22D	Rigid	4-11
	20	Float	4-303

MIL-STD-1353B
2 July 1980

TABLE 103-1. Standard connectors, MIL-C-24308 type - Continued.

Number of contacts and type	Contact size	Connector mounting	Part number M24308/
15P	22D	Float	4-307
	20	Rigid	7-2
	20	Float	7-13
	20	Rigid	8-2
	22D	Rigid	8-11
	20	Float	8-303
	22D	Float	8-307
	20	Rigid	9-2
	20	Rigid	9-7
		Float	9-12
		Float	9-17
		Rigid	24-2
			24-8
			24-14
			24-20
			24-26
			24-32
			24-38
			24-44
			24-50
			24-56
25S		Float	1-3
		Rigid	1-14
		Float	2-3
		Float	2-25
		Rigid	2-335
		Float	5-3
		Float	5-14
		Rigid	6-3
		Float	6-261
		Rigid	23-3
		Rigid	23-9
		Rigid	23-15
		Rigid	23-21
		Dual Float	2-344
	22D	Rigid	2-12
	22D	Float	2-29
	22D	Rigid	6-12
25P	22D	Float	6-265
	20	Rigid	3-3
	20	Float	3-14
	20	Rigid	4-3
	20	Float	4-304
	20	Rigid	7-3
	20	Float	7-14
	20	Rigid	8-3
	20	Float	8-304
	20	Rigid	9-3
			9-8
			9-13
			9-18
			24-3
			24-9
			24-15
			24-21
			24-27
			24-33

MIL-STD-1353B
2 July 1980

TABLE 103-1. Standard connectors, MIL-C-24308 type - Continued.

Number of contacts and type	Contact size	Connector mounting	Part number M24308/
25P	20	Rigid	24-39
↓	↓	↓	24-45
↓	↓	↓	24-51
↓	↓	↓	24-57
↓	↓	↓	4-12
↓	22D	Rigid	4-308
↓	22D	Float	8-12
↓	22D	Rigid	8-308
↓	22D	Float	1-4
37S	20	Rigid	1-15
↓	↓	Float	2-4
↓	↓	Rigid	2-26
↓	↓	Float	2-345
↓	↓	Dual float	5-4
↓	↓	Rigid	5-15
↓	↓	Float	6-4
↓	↓	Rigid	6-262
↓	↓	Float	23-4
↓	↓	Rigid	23-10
↓	↓	Rigid	23-16
↓	↓	Rigid	23-22
↓	↓	Rigid	3-4
37P	↓	Rigid	3-15
↓	↓	Float	4-4
↓	↓	Rigid	4-305
↓	↓	Float	7-4
↓	↓	Rigid	7-15
↓	↓	Float	8-4
↓	↓	Rigid	8-305
↓	↓	Float	8-9
↓	↓	Rigid	8-14
↓	↓	↓	8-19
↓	↓	↓	24-4
↓	↓	↓	24-10
↓	↓	↓	24-16
↓	↓	↓	24-22
↓	↓	↓	24-28
↓	↓	↓	24-34
↓	↓	↓	24-40
↓	↓	↓	24-46
↓	↓	↓	24-52
↓	↓	↓	24-58
↓	↓	↓	2-13
44S	22D	Float	2-30
44S	↓	Rigid	6-13
44S	↓	Float	6-266
44S	↓	Rigid	3-13
44P	↓	Float	4-309
44P	↓	Rigid	8-13
44P	↓	Float	8-309
44P	20	Rigid	1-5
↓	↓	Float	1-16
↓	↓	Rigid	2-5
↓	↓	Float	2-27
↓	↓	Rigid	5-5
↓	↓	Float	5-16
↓	↓	Rigid	6-5
↓	↓	Float	6-263

MIL-STD-1353B

2 July 1980

TABLE 103-I. Standard connectors, MIL-C-24308 type - Continued.

Number of contacts and type	Contact size	Connector mounting	Part number M24308/
50S	20	Rigid	23-5
↓	↓	Rigid	23-11
50P	↓	Rigid	23-17
↓	↓	Rigid	23-23
↓	↓	Dual float	2-346
↓	↓	Rigid	3-5
↓	↓	Float	3-16
↓	↓	Rigid	4-5
↓	↓	Float	4-306
↓	↓	Rigid	7-5
↓	↓	Float	7-16
↓	↓	Rigid	8-5
↓	↓	Float	8-306
↓	↓	Rigid	9-5
↓	↓	↓	9-10
↓	↓	↓	9-15
↓	↓	↓	9-20
↓	↓	↓	24-5
↓	↓	↓	24-11
↓	↓	↓	24-17
↓	↓	↓	24-23
↓	↓	↓	24-29
↓	↓	↓	24-35
↓	↓	↓	24-41
↓	↓	↓	24-47
↓	↓	↓	24-53
↓	↓	↓	24-59
62S	22D	↓	2-14
62S	↓	Float	2-31
62S	↓	Rigid	6-14
62S	↓	Float	6-267
62P	↓	Rigid	4-14
62P	↓	Float	4-310
62P	↓	Rigid	8-14
62P	↓	Float	8-310
78S	↓	Rigid	2-15
78S	↓	Float	2-32
78S	↓	Rigid	6-14
78S	↓	Float	6-268
78P	↓	Rigid	4-15
78P	↓	Float	4-311
78P	↓	Rigid	8-15
78P	↓	Float	8-311
104S	↓	Rigid	2-16
104S	↓	Float	2-33
104P	↓	Rigid	4-16
104P	↓	Float	4-312
104P	↓	Float	8-269

MIL-STD-1353B

2 July 1980

MIL-C-28731 PART NUMBER SYSTEM

Part number example: M28731/4-0073

Key: M28731/XX - XXXX

Military Specification

Specification sheet

Dash number

Criteria:

Shields: M28731/7, /19 and /24

Contacts: M28731/20 and 23, 25, 26

Polarization: Six changeable positions per polarizing pin. Standard setting position A-1 and B-1.

Standard connectors: See table 103-II.

MIL-STD-1353B

2 July 1980

TABLE 103-II. Standard connectors, MIL-C-28731 type.

Number of contacts	Type of Hardware	Contact Type	Part number M28731/
75	Type C Jackscrew	crimp	1-0109
75	Type G Jackscrew	crimp	1-0110
75	Type E Fixed screw	crimp	1-0111
75	Type C Jackscrew	solder hole	1-0112
75	Type G Jackscrew	solder hole	1-0113
75	Type E Fixed screw	solder hole	1-0114
75	Type E Fixed screw	wrappost	1-0115
75	Type F Fixed socket	crimp	2-0073
75	Type D Jack socket	crimp	2-0074
75	Type F Fixed socket	solder hole	2-0075
75	Type D Jack socket	solder hole	2-0076
75	Type F Fixed socket	wrappost	2-0077
100	Type C Jackscrew	crimp	3-0109
100	Type G Jackscrew	crimp	3-0110
100	Type E Fixed screw	crimp	3-0111
100	Type C Jackscrew	solder hole	3-0112
100	Type G Jackscrew	solder hole	3-0113
100	Type E Fixed screw	solder hole	3-0114
100	Type E Fixed screw	wrappost	3-0115
100	Type F Fixed socket	crimp	4-0073
100	Type D Jack socket	crimp	4-0074
100	Type F Fixed socket	solder hole	4-0075
100	Type D Jack socket	solder hole	4-0076
100	Type F Fixed socket	wrappost	4-0077
130	Type C Jackscrew	crimp	5-0109
130	Type G Jackscrew	crimp	5-0110
130	Type E Fixed screw	crimp	5-0111
130	Type C Jackscrew	solder hole	5-0112
130	Type G Jackscrew	solder hole	5-0113
130	Type E Fixed screw	solder hole	5-0114
130	Type E Fixed screw	wrappost	5-0115
130	Type F Fixed socket	crimp	6-0073
130	Type D Jack socket	crimp	6-0074
130	Type F Fixed socket	solder hole	6-0075
130	Type D Jack socket	solder hole	6-0076
130	Type F Fixed socket	wrappost	6-0077
20	Type C Jackscrew	crimp	9-0109
20	Type F Fixed socket	crimp	9-0110
20	Type E Fixed screw	crimp	9-0111
20	Type C Jackscrew	solder hole	9-0112
20	Type F Fixed socket	solder hole	9-0113
20	Type E Fixed screw	solder hole	9-0114
20	Type F Fixed socket	wrappost	9-0115
20	Type E Fixed screw	wrappost	9-0116
20	Type C Jackscrew	crimp	10-0109
20	Type F Fixed socket	crimp	10-0110
20	Type D Jack socket	crimp	10-0111
20	Type C Jackscrew	solder hole	10-0112
20	Type F Fixed socket	solder hole	10-0113
20	Type D Jack socket	solder hole	10-0114
20	Type F Fixed socket	wrappost	10-0115
38	Type C Jackscrew	crimp	11-0073
38	Type F Fixed socket	crimp	11-0074
38	Type C Jackscrew	solder hole	11-0075
38	Type F Fixed socket	solder hole	11-0076
38	Type F Fixed socket	wrappost	11-0077
38	Type C Jackscrew	crimp	12-0073
38	Type F Fixed socket	crimp	12-0074
38	Type C Jackscrew	solder hole	12-0075
38	Type F Fixed socket	solder hole	12-0076

MIL-STD-1253B

1 July 1969

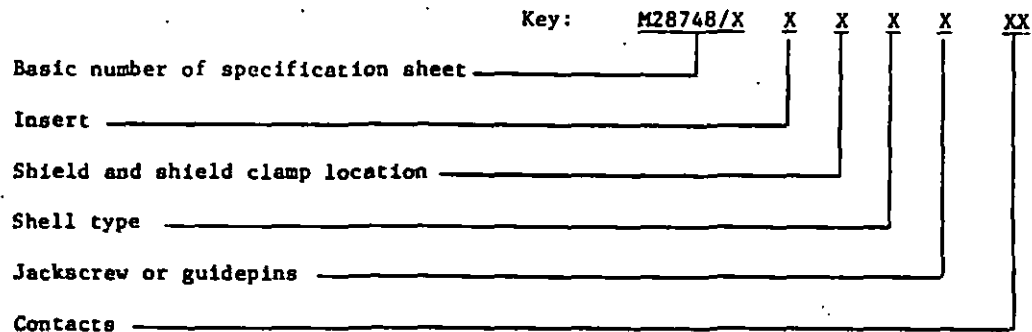
TABLE 103-11. Standard connectors, MIL-C-26731 type - Continued.

Number of contacts	Type of Hardware	Contact Type	Part number M26731/
38	Type F Fixed socket	wrappost	12-0077
56	Type C Jackscrew	crimp	13-0073
56	Type F Fixed socket	crimp	13-0074
56	Type C Jackscrew	solder hole	13-0075
56	Type F Fixed socket	solder hole	13-0076
56	Type F Fixed socket	wrappost	13-0077
56	Type C Jackscrew	crimp	14-0073
56	Type F Fixed socket	crimp	14-0074
56	Type C Jackscrew	solder hole	14-0075
56	Type F Fixed socket	solder hole	14-0076
56	Type F Fixed socket	wrappost	14-0077
90	Type C Jackscrew	crimp	15-0073
90	Type F Fixed socket	crimp	15-0074
90	Type C Jackscrew	solder hole	15-0075
90	Type F Fixed socket	solder hole	15-0076
90	Type F Fixed socket	wrappost	15-0077
90	Type C Jackscrew	crimp	16-0073
90	Type F Fixed socket	crimp	16-0074
90	Type C Jackscrew	solder hole	16-0075
90	Type F Fixed socket	solder hole	16-0076
90	Type F Fixed socket	wrappost	16-0077
120	Type C Jackscrew	crimp	17-0109
120	Type F Fixed socket	crimp	17-0110
120	Type E Fixed screw	crimp	17-0111
120	Type C Jackscrew	solder hole	17-0112
120	Type F Fixed socket	solder hole	17-0113
120	Type E Fixed screw	solder hole	17-0114
120	Type F Fixed socket	wrappost	17-0115
120	Type E Fixed screw	wrappost	17-0116
120	Type C Jackscrew	crimp	18-0109
120	Type F Fixed socket	crimp	18-0110
120	Type D Jack socket	crimp	18-0111
120	Type C Jackscrew	solder hole	18-0112
120	Type F Fixed socket	solder hole	18-0113
120	Type D Jack socket	solder hole	18-0114
120	Type F Fixed socket	wrappost	18-0115

MIL-STD-1353A
2 July 1980

MIL-C-28748 PART NUMBER SYSTEM

Part No. example: M28748/09AOALIA



Criteria:

Basic: M28748/09 connectors using size 16 crimp removable pin contacts
M28748/10 connectors using size 16 crimp removable socket contacts

Insert:	Letter	Number of contacts
	<u>M28748/09</u>	<u>M28748/10</u>
<u>1/</u>	A-MS18155	MS18156 10
	B-MS18157	MS18158 20
	C-MS18159	MS18160 36
	D-MS18161	MS18162 52
	E-MS18163	MS18164 80
	F-MS17778	MS17779 104
	G-MS18165	MS18166 158
	H-MS18167	MS18168 212
<u>2/</u>	J-MS18155	MS18156 10
	K-MS18157	MS18158 20
	L-MS18159	MS18160 36
	M-MS18161	MS18162 52
	N-MS18163	MS18164 80
	P-MS17778	MS17779 104
	R-MS18165	MS18166 158
	S-MS18167	MS18168 212
	<u>1/</u>	Insert with thru mounting hole
	<u>2/</u>	Insert with mounting sleeve

Shields: 0 - None Included

Shell type: A thru U

Jackscrews and guidepins: L - Long jackscrew from applicable insert MS
G - Guidepin from applicable MS
O - Boss for jackscrew
B - Boss for guidepin

Contacts: 1A-#16 for 16 AWG wire
2A-#16 for 20 AWG wire

Standard connectors: See table 103-III

SECTION 103

MIL-STD-1353A
1 July 1980

TABLE 103-III. Standard connectors, MIL-C-28748 type.

Number of contacts	Contacts	
	Mounting	^{1/} Part number M28748/09
10	Long Jackscrews	AOXL1A
10	Long Jackscrews	AOXL2A
10	Guidepins	AOXC1A
10	Guidepins	AOXC2A
10	Boss for Jackscrews	AOXO1A
10	Boss for Jackscrews	AOXO2A
10	Boss for Guidepins	AOXB1A
10	Boss for Guidepins	AOXB2A
20	Long Jackscrews	BOXL1A
20	Long Jackscrews	BOXL2A
20	Guidepins	BOXC1A
20	Guidepins	BOXC2A
20	Boss for Jackscrews	BOXO1A
20	Boss for Jackscrews	BOXO2A
20	Boss for Guidepins	BOXB1A
20	Boss for Guidepins	BOXB2A
36	Long Jackscrews	COXL1A
36	Long Jackscrews	COXL2A
36	Guidepins	COXC1A
36	Guidepins	COXC2A
36	Boss for Jackscrews	COXO1A
36	Boss for Jackscrews	COXO2A
36	Boss for Guidepins	COXB1A
36	Boss for Guidepins	COXB2A
52	Long Jackscrews	DOXL1A
52	Long Jackscrews	DOXL2A
52	Guidepins	DOXC1A
52	Guidepins	DOXC2A
52	Boss for Jackscrews	DOXO1A
52	Boss for Jackscrews	DOXO2A
52	Boss for Guidepins	DOXB1A
52	Boss for Guidepins	DOXB2A
80	Long Jackscrews	EOXL1A
80	Long Jackscrews	EOXL2A
80	Guidepins	EOXC1A
80	Guidepins	EOXC2A
80	Boss for Jackscrews	EOXO1A
80	Boss for Jackscrews	EOXO2A
80	Boss for Guidepins	EOXB1A
80	Boss for Guidepins	EOXB2A
104	Long Jackscrews	FOXL1A
104	Long Jackscrews	FOXL2A
104	Guidepins	FOXG1A
104	Guidepins	FOXG2A
104	Boss for Jackscrews	FOXO1A

^{1/} "X" indicates shell types

A thru U (see applicable insert MS)

MIL-STD-1353A

2 July 1980

TABLE 103-III. Standard connectors, MIL-C-28748 type - Continued.

Contacts		
Number of contacts	Mounting	1/ Part number M28748/09
104	Boss for Jackscrews	FOX02A
104	Boss for Guidepins	FOX01A
104	Boss for Guidepins	FOX02A
158	Long Jackscrews	GOXL1A
158	Long Jackscrews	GOXL2A
158	Guidepins	GOXG1A
158	Guidepins	GOXG2A
158	Boss for Jackscrews	GOX01A
158	Boss for Jackscrews	GOX02A
158	Boss for Guidepins	GOXB1A
158	Boss for Guidepins	GOXB2A
212	Long Jackscrews	HOXL1A
212	Long Jackscrews	HOXL2A
212	Guidepins	HOXG1A
212	Guidepins	HOXG2A
212	Boss for Jackscrews	HOX01A
212	Boss for Jackscrews	HOX02A
212	Boss for Guidepins	HOXB1A
212	Boss for Guidepins	HOXB2A
10	Long Jackscrews	JOXL1A
10	Long Jackscrews	JOXL2A
10	Guidepins	JOXG1A
10	Guidepins	JOXG2A
10	Boss for Jackscrews	JOX01A
10	Boss for Jackscrews	JOX02A
10	Boss for Guidepins	JOXB1A
10	Boss for Guidepins	JOXB2A
20	Long Jackscrews	KOXL1A
20	Long Jackscrews	KOXL2A
20	Guidepins	KOXG1A
20	Guidepins	KOXG2A
20	Boss for Jackscrews	KOX01A
20	Boss for Jackscrews	KOX02A
20	Boss for Guidepins	KOXB1A
20	Boss for Guidepins	KOXB2A
36	Long Jackscrews	LOXL1A
36	Long Jackscrews	LOXL2A
36	Guidepins	LOXG1A
36	Guidepins	LOXG2A
36	Boss for Jackscrews	LOX01A
36	Boss for Jackscrews	LOX02A
36	Boss for Guidepins	LOXB1A
36	Boss for Guidepins	LOXB2A
52	Long Jackscrews	MOXL1A
52	Long Jackscrews	MOXL2A
52	Guidepins	MOXG1A
52	Guidepins	MOXG2A
52	Boss for Jackscrews	MOX01A
52	Boss for Jackscrews	MOX02A
52	Boss for Guidepins	MOXB1A
52	Boss for Guidepins	MOXB2A

1/ "X" indicates shell types

A thru U (see applicable insert MS)

MIL-STD-1353A

2 July 1980

TABLE 103-III. Standard connectors, MIL-C-28748 type - Continued.

Contacts		
Number of contacts	Mounting	^{1/} Part number M28748/09
80	Long Jackscrews	NOXL1A
80	Long Jackscrews	NOXL2A
80	Guidepins	NOXG1A
80	Guidepins	NOXG2A
80	Boss for Jackscrews	NOXD1A
80	Boss for Jackscrews	NOXD2A
80	Boss for Guidepins	NOXB1A
80	Boss for Guidepins	NOXB2A
104	Long Jackscrews	POXL1A
104	Long Jackscrews	POXL2A
104	Guidepins	POXG1A
104	Guidepins	POXG2A
104	Boss for Jackscrews	POXD1A
104	Boss for Jackscrews	POXD2A
104	Boss for Guidepins	POXB1A
104	Boss for Guidepins	POXB2A
158	Long Jackscrews	ROXL1A
158	Long Jackscrews	ROXL2A
158	Guidepins	ROXG1A
158	Guidepins	ROXG2A
158	Boss for Jackscrews	ROXD1A
158	Boss for Jackscrews	ROXD2A
158	Boss for Guidepins	ROXB1A
158	Boss for Guidepins	ROXB2A
212	Long Jackscrews	SOXL1A
212	Long Jackscrews	SOXL2A
212	Guidepins	SOXG1A
212	Guidepins	SOXG2A
212	Boss for Jackscrews	SOXD1A
212	Boss for Jackscrews	SOXD2A
212	Boss for Guidepins	SOXB1A
212	Boss for Guidepins	SOXB2A

^{1/} "X" indicates shell types
A thru U (see applicable insert MS)

MIL-STD-1353A
2 July 1980

TABLE 103-III. Standard connectors, MIL-C-28748 type.

Number of contacts	Contacts	
	Mounting	^{1/} Part number M28748/10
10	Long Jackscrews	AOXL1A
10	Long Jackscrews	AOXL2A
10	Guidepins	AOXG1A
10	Guidepins	AOXG2A
10	Boss for Jackscrews	AOXO1A
10	Boss for Jackscrews	AOXO2A
10	Boss for Guidepins	AOXB1A
10	Boss for Guidepins	AOXB2A
20	Long Jackscrews	BOXL1A
20	Long Jackscrews	BOXL2A
20	Guidepins	BOXG1A
20	Guidepins	BOXG2A
20	Boss for Jackscrews	BOXO1A
20	Boss for Jackscrews	BOXO2A
20	Boss for Guidepins	BOXB1A
20	Boss for Guidepins	BOXB2A
36	Long Jackscrews	COXL1A
36	Long Jackscrews	COXL2A
36	Guidepins	COXG1A
36	Guidepins	COXG2A
36	Boss for Jackscrews	COXO1A
36	Boss for Jackscrews	COXO2A
36	Boss for Guidepins	COXB1A
36	Boss for Guidepins	COXB2A
52	Long Jackscrews	DOXL1A
52	Long Jackscrews	DOXL2A
52	Guidepins	DOXG1A
52	Guidepins	DOXG2A
52	Boss for Jackscrews	DOXO1A
52	Boss for Jackscrews	DOXO2A
52	Boss for Guidepins	DOXB1A
52	Boss for Guidepins	DOXB2A
80	Long Jackscrews	EOXL1A
80	Long Jackscrews	EOXL2A
80	Guidepins	EOXG1A
80	Guidepins	EOXG2A
80	Boss for Jackscrews	EOXO1A
80	Boss for Jackscrews	EOXO2A
80	Boss for Guidepins	EOXB1A
80	Boss for Guidepins	EOXB2A
104	Long Jackscrews	FOXL1A
104	Long Jackscrews	FOXL2A
104	Guidepins	FOXG1A
104	Guidepins	FOXG2A
104	Boss for Jackscrews	FOXO1A
104	Boss for Jackscrews	FOXO2A
104	Boss for Guidepins	FOXB1A
104	Boss for Guidepins	FOXB2A
158	Long Jackscrews	GOXL1A
158	Long Jackscrews	GOXL2A
158	Guidepins	GOXG1A
158	Guidepins	GOXG2A
158	Boss for Jackscrews	GOXO1A

^{1/} "X" indicates shell types
A thru U (see applicable insert MS)

MIL-STD-1353A
2 July 1980

TABLE 103-III. Standard connectors, MIL-C-28748 type - Continued.

Contacts		
Number of contacts	Mounting	1/ Part number M28748/10
158	Boss for Jackscrews	GOX02A
158	Boss for Guidepins	GOXB1A
158	Boss for Guidepins	GOXB2A
212	Long Jackscrews	HOXL1A
212	Long Jackscrews	HOXL2A
212	Guidepins	HOXG1A
212	Guidepins	HOXG2A
212	Boss for Jackscrews	HOX01A
212	Boss for Jackscrews	HOX02A
212	Boss for Guidepins	HOXB1A
212	Boss for Guidepins	HOXB2A
10	Long Jackscrews	JOXL1A
10	Long Jackscrews	JOXL2A
10	Guidepins	JOXG1A
10	Guidepins	JOXG2A
10	Boss for Jackscrews	JOX01A
10	Boss for Jackscrews	JOX02A
10	Boss for Guidepins	JOXB1A
10	Boss for Guidepins	JOXB2A
20	Long Jackscrews	KOXL1A
20	Long Jackscrews	KOXL2A
20	Guidepins	KOXG1A
20	Guidepins	KOXG2A
20	Boss for Jackscrews	KOX01A
20	Boss for Jackscrews	KOX02A
20	Boss for Guidepins	KOXB1A
20	Boss for Guidepins	KOXB2A
36	Long Jackscrews	LOXL1A
36	Long Jackscrews	LOXL2A
36	Guidepins	LOXG1A
36	Guidepins	LOXG2A
36	Boss for Jackscrews	LOX01A
36	Boss for Jackscrews	LOX02A
36	Boss for Guidepins	LOXB1A
36	Boss for Guidepins	LOXB2A
52	Long Jackscrews	MOXL1A
52	Long Jackscrews	MOXL2A
52	Guidepins	MOXG1A
52	Guidepins	MOXG2A
52	Boss for Jackscrews	MOX01A
52	Boss for Jackscrews	MOX02A
52	Boss for Guidepins	MOXB1A
52	Boss for Guidepins	MOXB2A
80	Long Jackscrews	NOXL1A
80	Long Jackscrews	NOXL2A
80	Guidepins	NOXG1A
80	Guidepins	NOXG2A
80	Boss for Jackscrews	NOX01A
80	Boss for Jackscrews	NOX02A

1/ "X" indicates shell types
A thru U (see applicable insert MS)

MIL-STD-1353A
2 July 1980

TABLE 103-III. Standard connectors, MIL-C-28748 type - Continued.

Number of contacts	Connectors	
	Mounting	1/ Part number M28748/10
80	Boss for Guidepins	NOXB1A
80	Boss for Guidepins	NOXB2A
104	Long Jackscrews	POXL1A
104	Long Jackscrews	POXL2A
104	Guidepins	POXG1A
104	Guidepins	POXG2A
104	Boss for Jackscrews	POXO1A
104	Boss for Jackscrews	POXO2A
104	Boss for Guidepins	POXB1A
104	Boss for Guidepins	POXB2A
158	Long Jackscrews	ROXL1A
158	Long Jackscrews	ROXL2A
158	Guidepins	ROXG1A
158	Guidepins	ROXG2A
158	Boss for Jackscrews	ROXO1A
158	Boss for Jackscrews	ROXO2A
158	Boss for Guidepins	ROXB1A
158	Boss for Guidepins	ROXB2A
212	Long Jackscrews	SOXL1A
212	Long Jackscrews	SOXL2A
212	Guidepins	SOXG1A
212	Guidepins	SOXG2A
212	Boss for Jackscrews	SOXO1A
212	Boss for Jackscrews	SOXO2A
212	Boss for Guidepins	SOXB1A
212	Boss for Guidepins	SOXB2A

1/ "X" indicates shell types
A thru U (see applicable insert MS)

MIL-STD-1353B

2 July 1980

MIL-C-28804 PART NUMBER SYSTEM

Part no. example: M28804/1-1N

Key: M28804/X X X

Basic military specification number _____

Dash no. _____

Polarization _____

Criteria:

MIL-C-28804

Receptacle, Class G /1

Plug, Class G /2

Receptacle, Class E /3

Plug, Class E /4

Dash number:	Number	Shell size	Contacts	
			Number	Size
	-1	8	14	(22)
	-2	10	38	(22)
	-3	12	88	(22)
	-4	14	108	(22)
	-5	16	132	(22)
	-6	18	244	(22)
	-7	8	14	(22)
	-8	10	38	(22)
	-9	12	88	(22)
	-10	14	108	(22)
	-11	16	132	(22)
	-12	18	244	(22)

Insert arrangement: See MIL-STD-1632

Contacts: M28804/9 or M28804/10

Polarization: N,V,W,X,Y,Z

60° rotation of center hexkeys
between polarizing positions

Standard connectors: See table 103-IV

MIL-STD-1550

1 JAN 64

MIL-STD-1550 PART NUMBER / ITEM

Part no. example: M2804-1-1

Basic military specification
number _____

Dash no. _____

Polarization _____

Criteria:

MIL-C-28804

Receptacle, Class G	/1
Plug, Class G	/2
Receptacle, Class E	/3
Plug, Class F	/4

<u>Dash number:</u>	<u>Number</u>	<u>Shell size</u>	<u>Contacts</u>	
			<u>Number</u>	<u>Size</u>
-1	8	14	(22)	
-2	10	15	(22)	
-3	12	16	(22)	
-4	14	17	(22)	
-5	16	18	(22)	
-6	18	19	(22)	
-7	20	20	(22)	
-8	22	21	(22)	
-9	24	22	(22)	
-10	26	23	(22)	
-11	28	24	(22)	
-12	30	25	(22)	

Insert arrangement: See MIL-STD-1550

Contacts: M28804/9 or M28804/10

Polarization: N, V, W, X, Y, Z

60° rotation of center hexkeys
between polarizing positions

Standard connectors: See table 103-1V

MIL-STD-1353B

2 July 1980

TABLE 103-IV. Standard connectors, MIL-C-28804 type.

Number of contacts	Contact type	Part number
14	S	M28804/1-1N
		M28804/1-1V
		M28804/1-1W
		M28804/1-1X
		M28804/1-1Y
		M28804/1-1Z
	P	M28804/2-1N
		M28804/2-1V
		M28804/2-1W
		M28804/2-1X
		M28804/2-1Y
		M28804/2-1Z
38	S	M28804/1-2N
		M28804/1-2V
		M28804/1-2W
		M28804/1-2X
		M28804/1-2Y
		M28804/1-2Z
	P	M28804/2-2N
		M28804/2-2V
		M28804/2-2W
		M28804/2-2X
		M28804/2-2Y
		M28804/2-2Z
88	S	M28804/1-3N
		M28804/1-3V
		M28804/1-3W
		M28804/1-3X
		M28804/1-3Y
		M28804/1-3Z
	P	M28804/2-3N
		M28804/2-3V
		M28804/2-3W
		M28804/2-3X
		M28804/2-3Y
		M28804/2-3Z
108	S	M28804/1-4N
		M28804/1-4V
		M28804/1-4W
		M28804/1-4X
		M28804/1-4Y
		M28804/1-4Z
	P	M28804/2-4N
		M28804/2-4V
		M28804/2-4W
		M28804/2-4X
		M28804/2-4Y
		M28804/2-4Z

MIL-STD-1353B
1 July 1980

TABLE 103-IV. Standard connectors, MIL-C-28804 type - Continued.

Number of contacts	Contact type	Part number
132	S	M28804/1-5N
		M28804/1-5V
		M28804/1-5W
		M28804/1-5X
		M28804/1-5Y
		M28804/1-5Z
	P	M28804/2-5N
		M28804/2-5V
		M28804/2-5W
		M28804/2-5X
		M28804/2-5Y
		M28804/2-5Z
244	S	M28804/1-6N
		M28804/1-6V
		M28804/1-6W
		M28804/1-6X
		M28804/1-6Y
		M28804/1-6Z
	P	M28804/2-6N
		M28804/2-6V
		M28804/2-6W
		M28804/2-6X
		M28804/2-6Y
		M28804/2-6Z
14	S	M28804/1-7N
		M28804/1-7V
		M28804/1-7W
		M28804/1-7X
		M28804/1-7Y
		M28804/1-7Z
	P	M28804/2-7N
		M28804/2-7V
		M28804/2-7W
		M28804/2-7X
		M28804/2-7Y
		M28804/2-7Z
38	S	M28804/1-8N
		M28804/1-8V
		M28804/1-8W
		M28804/1-8X
		M28804/1-8Y
		M28804/1-8Z
	P	M28804/2-8N
		M28804/2-8V
		M28804/2-8W
		M28804/2-8X
		M28804/2-8Y
		M28804/2-8Z

MIL-STD-1353B

2 July 1980

TABLE 103-IV. Standard connectors, MIL-C-28804 type - Continued.

Number of contacts	Contact type	Part number
88	S	M28804/1-9N
		M28804/1-9V
		M28804/1-9W
		M28804/1-9X
		M28804/1-9Y
		M28804/1-9Z
	P	M28804/2-9N
		M28804/2-9V
		M28804/2-9W
		M28804/2-9X
		M28804/2-9Y
		M28804/2-9Z
108	S	M28804/1-10N
		M28804/1-10V
		M28804/1-10W
		M28804/1-10X
		M28804/1-10Y
		M28804/1-10Z
	P	M28804/2-10N
		M28804/2-10V
		M28804/2-10W
		M28804/2-10X
		M28804/2-10Y
		M28804/2-10Z
132	S	M28804/1-11N
		M28804/1-11V
		M28804/1-11W
		M28804/1-11X
		M28804/1-11Y
		M28804/1-11Z
	P	M28804/2-11N
		M28804/2-11V
		M28804/2-11W
		M28804/2-11X
		M28804/2-11Y
		M28804/2-11Z
244	S	M28804/1-12N
		M28804/1-12V
		M28804/1-12W
		M28804/1-12X
		M28804/1-12Y
		M28804/1-12Z
	P	M28804/2-12N
		M28804/2-12V
		M28804/2-12W
		M28804/2-12X
		M28804/2-12Y
		M28804/2-12Z

MIL-STD-1353B

2 July 1980

TABLE 103-IV. Standard connectors, MIL-C-28804 type - Continued.

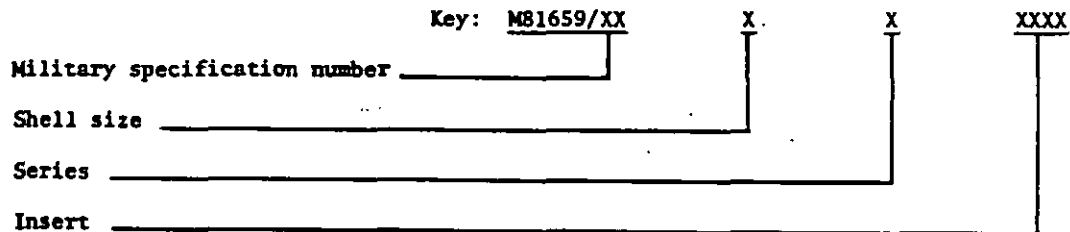
Number of contacts	Contact type	Part number
88	S	M28804/3-9N
		M28804/3-9V
		M28804/3-9W
		M28804/3-9X
		M28804/3-9Y
		M28804/3-9Z
	P	M28804/4-9N
		M28804/4-9V
		M28804/4-9W
		M28804/4-9X
		M28804/4-9Y
		M28804/4-9Z
108	S	M28804/3-10N
		M28804/3-10V
		M28804/3-10W
		M28804/3-10X
		M28804/3-10Y
		M28804/3-10Z
	P	M28804/4-10N
		M28804/4-10V
		M28804/4-10W
		M28804/4-10X
		M28804/4-10Y
		M28804/4-10Z
132	S	M28804/3-11N
		M28804/3-11V
		M28804/3-11W
		M28804/3-11X
		M28804/3-11Y
		M28804/3-11Z
	P	M28804/4-11N
		M28804/4-11V
		M28804/4-11W
		M28804/4-11X
		M28804/4-11Y
		M28804/4-11Z
244	S	M28804/3-12N
		M28804/3-12V
		M28804/3-12W
		M28804/3-12X
		M28804/3-12Y
		M28804/3-12Z
	P	M28804/4-12N
		M28804/4-12V
		M28804/4-12W
		M28804/4-12X
		M28804/4-12Y
		M28804/4-12Z

MIL-STD-1353B

2 July 1980

MIL-C-81659 PART NUMBER SYSTEM

Part No. example: M81659/29A2-0002



Criteria:

Plug, single insert, crimp, type II, class 1, series 2.
 Receptacle, single insert, crimp, type II, class 1, series 2.
 Plug, dual insert, crimp, type II, class 1, series 2.
 Receptacle, dual, insert, crimp, type II, class 1, series 2.

M81659
 /29
 /31
 /33
 /35

Shell size: A - Accommodate keystone insert.

Series: 2 - Rear release contacts

Insert arrangements: MS3157

Contacts: MIL-C-39029/11 or MIL-C-39029/12.
 MS3172 or MS3173.

Standard connectors: See table 103-V.

MIL-STD-1353B

2 July 1986

TABLE 105-V. Standard connectors, MIL-C-81659 type.

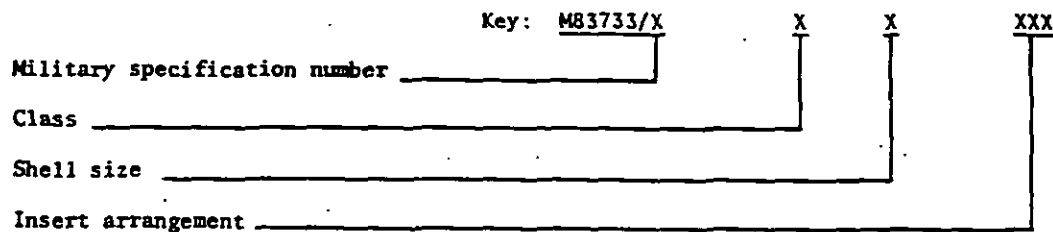
Number of contacts	Contact size	Type contact	Part number M81659/
8	(4)-16, (4)-12	P	31A2-0083
8	(4)-16, (4)-12	S	29A2-0084
26	16	P	31A2-0001
26	16	S	29A2-0002
32	(30)-20, (2)-5 coaxial	P	31A2-0139
32	(30)-20, (2)-5 coaxial	S	29A2-0140
33	(25)-20, (4)-16, (4)-5 coaxial	P	31A2-0103
33	(25)-20, (4)-16, (4)-5 coaxial	S	29A2-0104
40	20	P	31A2-0009
40	20	S	29A2-0010
40	(39)-20, (1)-5 coaxial	P	31A2-0141
40	(39)-20, (1)-5 coaxial	S	29A2-0142
45	20	P	31A2-0017
45	20	S	29A2-0018
57	20	P	31A2-0025
57	20	S	29A2-0026
67	(64)-20, (3)-16	P	31A2-0033
67	(64)-20, (3)-16	S	29A2-0034
80	20	P	35A2-0011
80	20	S	33A2-0012
80	(78)-20, (2)-5 coaxial	P	35A2-0131
80	(78)-20, (2)-5 coaxial	S	33A2-0132
89	(87)-20, (2)-5 coaxial	P	35A2-0125
89	(87)-20, (2)-5 coaxial	S	33A2-0126
99	(94)-20, (3)-16, (2)-5 coaxial	P	35A2-0127
99	(94)-20, (3)-16, (3)-5 coaxial	S	33A2-0128
106	22	P	31A2-0041
106	22	S	29A2-0042
132	(106)-22, (26)-16	SP	35A2-0057
132	(106)-22, (26)-16	PS	33A2-0058
132	(106)-22, (26)-16	PS	35A2-0059
132	(106)-22, (26)-16	SP	33A2-0060
138	(106)-22, (30)-20, (2)-5 coaxial	P	35A2-0129
138	(106)-22, (30)-20, (2)-5 coaxial	S	33A2-0130
163	(106)-22, (57)-20	PS	35A2-0133
163	(106)-22, (57)-20	SP	33A2-0134
173	(106)-22, (64)-20, (3)-16	PS	35A2-0071
173	(106)-22, (64)-20, (3)-16	SP	33A2-0072
173	(106)-22, (64)-20, (3)-16	SP	35A2-0089
173	(106)-22, (64)-20, (3)-16	PS	33A2-0090
212	22	P	35A2-0043
212	22	S	33A2-0044

MIL-STD-1353B

2 July 1980

MIL-C-83733 PART NUMBER SYSTEM

Part No. example: M83733/1RB101



Criteria:

	MIL-C-83733
Receptacle, standard hole mounting	/1
Plug, guide pins and spring mounting	/2
Receptacle, guide sockets	/3
Plug, captive springs	/4
Receptacle, bushing mounting	/5
Receptacle, clinch nut mounting	/6
Plug, guide sockets and spring mounting	/7
Receptacle, guide pins	/8

<u>Receptacle</u>	<u>Plug</u>
/1 mates with	/4
/2 mates with	/3
/5 mates with	/4
/6 mates with	/4
/7 mates with	/8

Class: R - Environmental resistant

Shell size: A and B

Contacts: MIL-C-39029/57, /58, /4, /5, /50, and /51

Insert arrangements: MIL-STD-1531 and MIL-STD-1532

Standard connectors: See table 103-VI.

MIL-STD-1353B

2 July 1980

TABLE 103-VI. Standard connectors, MIL-C-83733 type.

Number of contacts	Contact size	Part number M83733/
18	12	01RA018
↓	↓	02RA018
32	16	03RA018
↓	↓	04RA018
48	(18)-12, (30)-16	05RA018
↓	↓	06RA018
51	20	07RA018
↓	↓	08RA018
64	16	01RA032
↓	↓	04RA032
71	(15)-12, (56)-20	05RA032
↓	↓	07RA032
	(15)-12 shielded, (56)-20	01RB048
		02RB048
		03RB048
		04RB048
		05RB048
		06RB048
		07RB048
		08RB048
		01RA051
		02RA051
		03RA051
		04RA051
		05RA051
		06RA051
		07RA051
		08RA051
		01RB064
		02RB064
		03RB064
		04RB064
		05RB064
		06RB064
		07RB064
		08RB064
		01RB071
		02RB071
		03RB071
		04RB071
		05RB071
		06RB071
		07RB071
		08RB071
		01RB71C
		02RB71C
		03RB71C
		04RB71C
		05RB71C
		06RB71C
		07RB71C
		08RB71C

MIL-STD-13538

2 July 1980

TABLE 103-VI. Standard connectors, MIL-C-83773_type - Continued.

Number of contacts	Contact size	Part number M83733/
78 ↓ 101 ↓ 131 ↓ 185 ↓	(40)-16, (38)-20 ↓ 20 ↓ 22D ↓	01RB078 02RB078 03RB078 04RB078 05RB078 06RB078 07RB078 08RB078 01RB101 02RB101 03RB101 04RB101 05RB101 06RB101 07RB101 08RB101 01RA131 02RA131 03RA131 04RA131 05RA131 06RA131 07RA131 08RA131 01RB185 02RB185 03RB185 04RB185 05RB185 06RB185 07RB185 08RB185

MIL-STD-1353B

2 July 1980

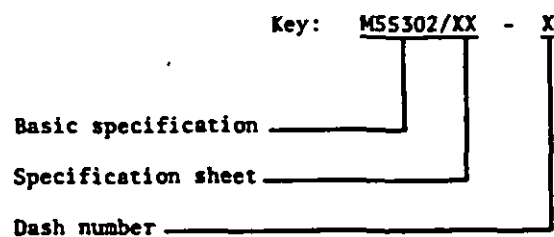
SECTION 104

CONNECTORS, PRINTED WIRING BOARD

(Applicable specification: MIL-C-21097 and MIL-C-55302)

MIL-C-21097 and MIL-C-55302 Part number system

Part No. example: M55302/26-03



Standard connectors: See table 104-I.

Characteristics and restrictions: All characteristics are applicable and no restrictions apply.

MIL-STD-1353B
2 July 1980

TABLE 104-I. Standard printed circuit board, Continued.

Number of contacts	Contact spacing	Part number M21097/
17	.200	13-01
23		13-02
29		13-03
35		13-04
41		13-05
47		13-06
17		14-01
17		14-02
17		14-03
23		14-04
23		14-05
23		14-06
29		14-07
29		14-08
29		14-09
35		14-10
35		14-11
35		14-12
41		14-13
41		14-14
41		14-15
47		14-16
47		14-17
47		14-18
17		15-01
17		15-02
17		15-03
23		15-04
23		15-05
23		15-06
29		15-07
29		15-08
29		15-09
35		15-10
35		15-11
35		15-12
41		15-13
41		15-14
41		15-15
47		15-16
47		15-17
47		15-18

MIL-STD-1353B

2 July 1980

TABLE 104-1. Standard printed circuit board.

Number of contacts	Contact spacing	Part number M55302/
17	.150	1-03
23		1-04
28		1-05
17		2-03
23		2-04
28		2-05
17	.100	4-02
25		4-03
33		4-04
41		4-05
77		4-06
41		5-05
17		6-02
25		6-03
33		6-04
41		6-05
77		6-06
13		7-01
25		7-02
37		7-03
49		7-04
61		7-05
13		8-01
25		8-02
37		8-03
49		8-04
61		8-05
41	.150	19-01
41	.150	20-01
92	.100	21-01
92	.100	22-01
10	.075	23-01
20		23-02
30		23-03
40		23-04
50		23-05
60		23-06
70		23-07
80		23-08
90		23-09
100		23-10
110		23-11
120		23-12
150		23-13
160		23-14
180		23-15
10		24-01
10		24-02
10		24-03
10		24-04
20		24-05
20		24-06

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
20	.075	24-07
20		24-08
30		24-09
30		24-10
30		24-11
30		24-12
40		24-13
40		24-14
40		24-15
40		24-16
50		24-17
50		24-18
50		24-19
50		24-20
60		24-21
60		24-22
60		24-23
60		24-24
70		24-25
70		24-26
70		24-27
70		24-28
80		24-29
80		24-30
80		24-31
80		24-32
90		24-33
90		24-34
90		24-35
90		24-36
100		24-37
100		24-38
100		24-39
100		24-40
110		24-41
110		24-42
110		24-43
110		24-44
120		25-01
120		25-02
120		25-03
120		25-04
150		25-05
150		25-06
150		25-07
150		25-08
160		25-09
160		25-10
160		25-11
160		25-12
180		25-13
180		25-14
180		25-15
180		25-16

MIL-STD-1353B

2 July 1980

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
50	.100	26-01
60		26-02
80		26-03
90		26-04
100		26-05
110		26-06
30		26-07
40		26-08
70		26-09
50		27-01
↓		27-02
60		27-03
↓		27-04
80		27-05
↓		27-06
90		27-07
↓		27-08
100		27-09
↓		27-10
110		27-11
↓		27-12
30		27-13
↓		27-14
40		27-15
↓		27-16
70		27-17
↓		27-18
30		27-19
↓		27-20
40		27-21
↓		27-22
70		27-23
↓		27-24
30		27-25
↓		27-26
40		27-27
↓		27-28
70		27-29
↓		27-30
30		27-31
↓		27-32
40		27-33
↓		27-34
70		27-35
↓		27-36
30		27-37
↓		27-38
40		27-39
↓		27-40
70		27-41
↓		27-42
30		27-43
↓		27-44
40		

MIL-STD-1353B
2 July 1980
TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
40 ↓	100 ↓	27-45
50 ↓		27-46
		27-47
		27-48
		27-49
		27-50
		27-51
		27-52
		27-53
60 ↓		27-54
		27-55
		27-56
		27-57
		27-58
		27-59
70 ↓		27-60
		27-61
		27-62
		27-63
		27-64
		27-65
80 ↓		27-66
		27-67
		27-68
		27-69
		27-70
		27-71
90 ↓		27-72
		27-73
		27-74
		27-75
		27-76
		27-77
100 ↓		27-78
		27-79
		27-80
		27-81
		27-82
		27-83
110 ↓		27-84
		27-85
		27-86
		27-87
		27-88
		27-89
		27-90

MIL-STD-1353B
2 July 1986

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
30	.100	27-91
40		27-92
50		27-93
60		27-94
70		27-95
80		27-96
90		27-97
100		27-98
110		27-99
30		27-100
40		27-101
50		27-102
60		27-103
70		27-104
80		27-105
90		27-106
100		27-107
110		27-108
30		27-109
40		27-110
50		27-111
60		27-112
70		27-113
80		27-114
90		27-115
100		27-116
110		27-117
30		27-118
40		27-119
50		27-120
60		27-121
70		27-122
80		27-123
90		27-124
100		27-125
110		27-126
30		27-127
40		27-128
50		27-129
60		27-130
70		27-131
80		27-132
90		27-133
100		27-134
110		27-135
30		27-136
40		27-137
50		27-138
60		27-139
70		27-140
80		27-141
90		27-142

MIL-STD-1353B

TABLE 104-I. ~~Standard printed circuit board~~ ^{2 July 1980} - Continued.

Number of contacts	Contact spacing	Part number MS5302/
100	.100	27-143
110		27-144
30		27-145
40		27-146
50		27-147
60		27-148
70		27-149
80		27-150
90		27-151
100		27-152
110		27-153
30		27-154
40		27-155
50		27-156
60		27-157
70		27-158
80		27-159
90		27-160
100		27-161
110		27-162
30		27-163
40		27-164
50		27-165
60		27-166
70		27-167
80		27-168
90		27-169
100		27-170
110		27-171
30		27-172
40		27-173
50		27-174
60		27-175
70		27-176
80		27-177
90		27-178
100		27-179
110		27-180
18		52-01
↓		52-02
30		52-03
↓		52-04
↓		52-05
↓		52-06
↓		52-07
↓		52-08
↓		52-09
↓		52-10
↓		52-11
↓		52-12
36		52-13

MIL-STD-1353B

2 July 1980

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
36	.100	52-14
↓	↓	52-15
42	↓	52-16
↓	↓	52-17
↓	↓	52-18
↓	↓	52-19
↓	↓	52-20
↓	↓	52-21
↓	↓	52-22
↓	↓	52-23
↓	↓	52-24
↓	↓	52-25
↓	↓	52-26
↓	↓	52-27
↓	↓	52-28
↓	↓	52-29
↓	↓	52-30
↓	↓	52-31
↓	↓	52-32
↓	↓	52-33
↓	↓	52-34
↓	↓	52-35
↓	↓	52-36
↓	↓	53-01
18	↓	53-02
18	↓	53-03
30	↓	53-04
30	↓	53-05
36	↓	53-06
36	↓	53-07
42	↓	53-08
42	↓	53-09
54	↓	53-10
54	↓	53-11
72	↓	53-12
72	↓	54-01
18	↓	54-02
↓	↓	54-03
↓	↓	54-04
↓	↓	54-05
↓	↓	54-06
↓	↓	54-07
↓	↓	54-08
↓	↓	54-09
↓	↓	54-10
↓	↓	54-11
↓	↓	54-12
↓	↓	54-13
↓	↓	54-14
↓	↓	54-15
↓	↓	54-16
↓	↓	54-17
↓	↓	54-18
↓	↓	
36	↓	
↓	↓	

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board- Continued.

Number of contacts	Contact spacing	Part number M55302/
42 ↓ 54 ↓ 72 ↓ 10 ↓ 20 ↓ 24	.100 ↓	54-19 54-20 54-21 54-22 54-23 54-24 54-25 54-26 54-27 54-28 54-29 54-30 54-31 54-32 54-33 54-34 54-35 54-36 55-A10L 55-A10M 55-A10S 55-B10L 55-B10M 55-B10S 55-C10L 55-C10M 55-C10S 55-A14L 55-A14M 55-A14S 55-B14L 55-B14M 55-B14S 55-C14L 55-C14M 55-C14S 55-A20L 55-A20M 55-A20S 55-B20L 55-B20M 55-B20S 55-C20L 55-C20M 55-C20S 55-A24L 55-A24M 55-A24S 55-B24L 55-B24M 55-B24S 55-C24L 55-C24M 55-C24S

MIL-STD-1353B

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
26	.100	55-A26L 55-A26M 55-A26S 55-B26L 55-B26M 55-B26S 55-C26L 55-C26M 55-C26S 55-A30L 55-A30M 55-A30S 55-B30L 55-B30M 55-B30S 55-C30L 55-C30M 55-C30S 55-A36L 55-A36M 55-A36S 55-B36L 55-B36M 55-B36S 55-C36L 55-C36M 55-C36S 55-A40L 55-A40M 55-A40S 55-B40L 55-B40M 55-B40S 55-C40L 55-C40M 55-C40S 55-A44L 55-A44M 55-A44S 55-B44L 55-B44M 55-B44S 55-C44L 55-C44M 55-C44S 55-A50L 55-A50M 55-A50S 55-B50L 55-B50M 55-B50S 55-C50L 55-C50M 55-C50S

MIL-STD-1353B
 2 July 1980
 TABLE 104-I. Standard printed circuit board - Continued:

Number of contacts	Contact spacing	Part number M55302/
54	.100	55-A54L 55-A54M 55-A54S 55-B54L 55-B54M 55-B54S 55-C54L 55-C54M 55-C54S
56		55-A56L 55-A56M 55-A56S 55-B56L 55-B56M 55-B56S 55-C56L 55-C56M 55-C56S
60		55-A60L 55-A60M 55-A60S 55-B60L 55-B60M 55-B60S 55-C60L 55-C60M 55-C60S
66		55-A66L 55-A66M 55-A66S 55-B66L 55-B66M 55-B66S 55-C66L 55-C66M 55-C66S
70		55-A70L 55-A70M 55-A70S 55-B70L 55-B70M 55-B70S 55-C70L 55-C70M 55-C70S
10		55-D10L
10		55-D10M
10		55-D10S
14		55-D14L
14		55-D14M
14		55-D14S
20		55-D20L
20		55-D20M
20		55-D20S

MIL-STD-1353B
2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number MS5302/.
24	.100	55-D24L
24		55-D24M
24		55-D24S
26		55-D26L
26		55-D26M
26		55-D26S
30		55-D30L
30		55-D40M
30		55-D30S
36		55-D36L
36		55-D36M
36		55-D36S
40		55-D40L
40		55-D40M
40		55-D40S
44		55-D44L
44		55-D44M
44		55-D44S
50		55-D50L
50		55-D50M
50		55-D50S
54		55-D54L
54		55-D54M
54		55-D54S
56		55-D56L
56		55-D56M
56		55-D56S
60		55-D60L
60		55-D60M
60		55-D60S
66		55-D66L
66		55-D66M
66		55-D66S
70		55-D70L
70		55-D70M
70		55-D70S
10		56-A10
10		56-B10
10		56-C10
10		56-D10
10		56-E10
14		56-A14
14		56-B14
14		56-C14
14		56-D14
14		56-E14

2 July 1980
MIL-STD-1353BTABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number MS5302/
20	.100	56-A20
↓		56-B20
↓		56-C20
↓		56-D20
24		56-E20
↓		56-A24
↓		56-B24
↓		56-C24
↓		56-D24
26		56-E24
↓		56-A26
↓		56-B26
↓		56-C26
↓		56-D26
30		56-E26
↓		56-A30
↓		56-B30
↓		56-C30
↓		56-D30
36		56-E30
↓		56-A36
↓		56-B36
↓		56-C36
↓		56-D36
40		56-E36
↓		56-A40
↓		56-B40
↓		56-C40
↓		56-D40
44		56-E40
↓		56-A44
↓		56-B44
↓		56-C44
↓		56-D44
50		56-E44
↓		56-A50
↓		56-B50
↓		56-C50
↓		56-D50
54		56-E50
↓		56-A54
↓		56-B54
↓		56-C54
↓		56-D54
56		56-E54
↓		56-A56
↓		56-B56
↓		56-C56
↓		56-D56
60		56-E56
↓		56-A60
↓		56-B60
↓		56-C60
↓		56-D60
↓		56-E60

MIL-STD-1353B

2 July 1969

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
66 ↓	.100 ↓	56-A66 56-B66 56-C66 56-D66 56-E66 56-A70 56-B70 56-C70 56-D70 56-E70 57-A10X 57-A10Y 57-B10X 57-B10Y 57-A14X 57-A14Y 57-B14X 57-B14Y 57-A20X 57-A20Y 57-B20X 57-B20Y 57-A24X 57-A24Y 57-B24X 57-B24Y 57-A26X 57-A26Y 57-B26X 57-B26Y 57-A30X 57-A30Y 57-B30X 57-B30Y 57-A36X 57-A36Y 57-B36X 57-B36Y 57-A40X 57-A40Y 57-B40X 57-B40Y 57-A44X 57-A44Y 57-B44X 57-B44Y 57-A50X 57-A50Y 57-B50X 57-B50Y

MIL-STD-1353B
2 July 1980
TABLE 104-I. Standard printed circuit board - Continue

Number of contacts	Contact spacing	Part number M55302/
54 ↓	.100	57-A54X
56 ↓		57-A54Y
56 ↓		57-B54X
60 ↓		57-B54Y
66 ↓		57-A56X
70 ↓		57-A56Y
70 ↓		57-B56X
10 ↓		57-B56Y
14 ↓		57-A60X
20 ↓		57-A60Y
24 ↓		57-B60X
		57-B60Y
		57-A66X
		57-A66Y
		57-B66X
		57-B66Y
		57-A70X
		57-A70Y
		57-B70X
		57-B70Y
		58-A10X
		58-A10Y
		58-B10X
		58-B10Y
		58-C10X
		58-C10Y
		58-D10X
		58-D10Y
		58-A14X
		58-A14Y
		58-B14X
		58-B14Y
		58-C14X
		58-C14Y
		58-D14X
		58-D14Y
		58-A20X
		58-A20Y
		58-B20X
		58-B20Y
		58-C20X
		58-C20Y
		58-D20X
		58-D20Y
		58-A24X
		58-A24Y
		58-B24X
		58-B24Y
		58-C24X
		58-C24Y
		58-D24X
		58-D24Y

MIL-STD-1353B
2 July 1980

TABLE 104-1. Standard printed circuit board- Continued.

Number of contacts	Contact spacing	Part number M55302/
26	100	58-A26X 58-A26Y 58-B26X 58-B26Y 58-C26X 58-C26Y 58-D26X 58-D26Y
30		58-A30X 58-A30Y 58-B30X 58-B30Y 58-C30X 58-C30Y 58-D30X 58-D30Y
36		58-A36X 58-A36Y 58-B36X 58-B36Y 58-C36X 58-C36Y 58-D36Y
40		58-A40X 58-A40Y 58-B40X 58-B40Y 58-C40X 58-C40Y 58-D40X 58-D40Y
44		58-A44X 58-A44Y 58-B44X 58-B44Y 58-C44X 58-C44Y 58-D44X 58-D44Y
50		58-A50X 58-A50Y 58-B50X 58-B50Y 58-C50X 58-C50Y 58-D50X 58-D50Y

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
54 ↓	.100 ↓	58-A54X 58-A54Y 58-B54X 58-B54Y 58-C54X 58-C54Y 58-D54X 58-D54Y
56 ↓		58-A56X 58-A56Y 58-B56X 58-B56Y 58-C56X 58-C56Y 58-D56X 58-D56Y
60 ↓		58-A60X 58-A60Y 58-B60X 58-B60Y 58-C60X 58-C60Y 58-D60X 58-D60Y
66 ↓		58-A66X 58-A66Y 58-B66X 58-B66Y 58-C66X 58-C66Y 58-D66X 58-D66Y
70 ↓		58-A70X 58-A70Y 58-B70X 58-B70Y 58-C70X 58-C70Y 58-D70X 58-D70Y
90 ↓		59-A90X 59-A90Y 59-B90X 59-B90Y

MIL-STD-1353B

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
100	.100	59-A100X
↓		59-A100Y
120		59-B100X
↓		59-B100Y
90		59-A120X
↓		59-A120Y
↓		59-B120X
↓		59-B120Y
↓		60-A90X
↓		60-A90Y
↓		60-B90X
↓		60-B90Y
↓		60-C90X
↓		60-C90Y
↓		60-D90X
↓		60-D90Y
100		60-A100X
↓		60-A100Y
↓		60-B100X
↓		60-B100Y
↓		60-C100X
↓		60-C100Y
↓		60-D100X
↓		60-D100Y
120		60-A120X
↓		60-A120Y
↓		60-B120X
↓		60-B120Y
↓		60-C120X
↓		60-C120Y
↓		60-D120X
↓		60-D120Y
10		61-A10
10		61-B10
14		61-A14
14		61-B14
20		61-A20
20		61-B20
26		61-A26
26		61-B26
30		61-A30
30		61-B30
36		61-A36
36		61-B36
40		61-A40
40		61-B40
44		61-A44
44		61-B44
50		61-A50
50		61-B50
54		61-A54
54		61-B54

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board- Continued.

Number of contacts	Contact spacing	Part number M55302/
56	.100	61-A56
56		61-B56
60		61-A60
60		61-B60
66		61-A66
66		61-B66
70		61-A70
70		61-B70
10		62-A10L
		62-A10M
		62-A10S
		62-B10L
		62-B10M
		62-B10S
		62-C10L
		62-C10M
		62-C10S
14		62-A14L
		62-A14M
		62-A14S
		62-B14L
		62-B14M
		62-B14S
		62-C14L
		62-C14M
		62-C14S
20		62-A20L
		62-A20M
		62-A20S
		62-B20L
		62-B20M
		62-B20S
		62-C20L
		62-C20M
		62-C20S
24		62-A24L
		62-A24M
		62-A24S
		62-B24L
		62-B24M
		62-B24S
		62-C24L
		62-C24M
		62-C24S
26		62-A26L
		62-A26M
		62-A26S
		62-B26L
		62-B26M
		62-B26S
		62-C26L
		62-C26M
		62-C26S

MIL-STD-1353B
2 July 1980

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
30	.100	62-A30L 62-A30M 62-A30S 62-B30L 62-B30M 62-B30S 62-C30L 62-C30M 62-C30S 62-A36L 62-A36M 62-A36S 62-B36L 62-B36M 62-B36S 62-C36L 62-C36M 62-C36S 62-A40L 62-A40M 62-A40S 62-B40L 62-B40M 62-B40S 62-C40L 62-C40M 62-C40S 62-A44L 62-A44M 62-A44S 62-B44L 62-B44M 62-B44S 62-C44L 62-C44M 62-C44S 62-A50L 62-A50M 62-A50S 62-B50L 62-B50M 62-B50S 62-C50L 62-C50M 62-C50S
36		
40		
44		
50		

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board- Continued.

Number of contacts	Contact spacing	Part number MS5302/
54	.100	62-A54L 62-A54M 62-A54S 62-B54L 62-B54M 62-B54S 62-C54L 62-C54M 62-C54S
56		62-A56L 62-A56M 62-A56S 62-B56L 62-B56M 62-B56S 62-C56L 62-C56M 62-C56S
60		62-A60L 62-A60M 62-A60S 62-B60L 62-B60M 62-B60S 62-C60L 62-C60M 62-C60S
66		62-A66L 62-A66M 62-A66S 62-B66L 62-B66M 62-B66S 62-C66L 62-C66M 62-C66S
70		62-A70L 62-A70M 62-A70S 62-B70L 62-B70M 62-B70S 62-C70L 62-C70M 62-C70S

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
10	100	63-A10F 63-A10L 63-A10M 63-A10S 63-B10F 63-B10L 63-B10M 63-B10S 63-C10F 63-C10L 63-C10M 63-C10S 63-D10F 63-D10L 63-D10M 63-D10S 63-A14F 63-A14L 63-A14M 63-A14S 63-B14F 63-B14L 63-B14M 63-B14S 63-C14F 63-C14L 63-C14M 63-C14S 63-D14F 63-D14L 63-D14M 63-D14S 63-A20F 63-A20L 63-A20M 63-A20S 63-B20F 63-B20L 63-B20M 63-B20S 63-C20F 63-C20L 63-C20M 63-C20S 63-D20F 63-D20L 63-D20M 63-D20S
14		
20		

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number MS5302/
24	.100	63-A24F 63-A24L 63-A24M 63-A24S 63-B24F 63-B24L 63-B24M 63-B24S 63-C24F 63-C24L 63-C24M 63-C24S 63-D24F 63-D24L 63-D24M
26		63-D24S 63-A26F 63-A26L 63-A26M 63-A26S 63-B26F 63-B26L 63-B26M 63-B26S 63-C26F 63-C26L 63-C26M 63-C26S 63-D26F 63-D26L 63-D26M
30		63-D26S 63-A30F 63-A30L 63-A30M 63-A30S 63-B30F 63-B30L 63-B30M 63-B30S 63-C30F 63-C30L 63-C30M 63-C30S 63-D30F 63-D30L 63-D30M 63-D30S

MIL-STD-1353B
2 July 1980

TABLE 104-1. Standard printed circuit board- Continued.

Number of contacts	Contact spacing	Part number M55302/
36	.100	63-A36F 63-A36L 63-A36M 63-A36S 63-B36F 63-B36L 63-B36M 63-B36S 63-C36F 63-C36L 63-C36M 63-C36S 63-D36F 63-D36L 63-D36M 63-D36S
40		63-A40F 63-A40L 63-A40M 63-A40S 63-B40F 63-B40L 63-B40M 63-B40S 63-C40F 63-C40L 63-C40M 63-C40S 63-D40F 63-D40L 63-D40M 63-D40S
44		63-A44F 63-A44L 63-A44M 63-A44S 63-B44F 63-B44L 63-B44M 63-B44S 63-C44F 63-C44L 63-C44M 63-C44S 63-D44F 63-D44L 63-D44M 63-D44S

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of con contacts	Contact spacing	Part number M55302/
50	.100	63-A50F 63-A50L 63-A50M 63-A50S 63-B50F 63-B50L 63-B50M 63-B50S 63-C50F 63-C50L 63-C50M 63-C50S 63-D50F 63-D50L 63-D50M 63-D50S
54		63-A54F 63-A54L 63-A54M 63-A54S 63-B54F 63-B54L 63-B54M 63-B54S 63-C54F 63-C54L 63-C54M 63-C54S 63-D54F 63-D54L 63-D54M 63-D54S
56		63-A56F 63-A56L 63-A56M 63-A56S 63-B56F 63-B56L 63-B56M 63-B56S 63-C56F 63-C56L 63-C56M 63-C56S 63-D56F 63-D56L 63-D56M 63-D56S

MIL-STD-1353B
July 1984
TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
60	.100	63-A60F 63-A60L 63-A60M 63-A60S 63-B60F 63-B60L 63-B60M 63-B60S 63-C60F 63-C60L 63-C60M 63-C60S 63-D60F 63-D60L 63-D60M 63-D60S
66		63-A66F 63-A66L 63-A66M 63-A66S 63-B66F 63-B66L 63-B66M 63-B66S 63-C66F 63-C66L 63-C66M 63-C66S 63-D66F 63-D66L 63-D66M 63-D66S
70		63-A70F 63-A70L 63-A70M 63-A70S 63-B70F 63-B70L 63-B70M 63-B70S 63-C70F 63-C70L 63-C70M 63-C70S 63-D70F 63-D70L 63-D70M 63-D70S

MIL-STD-1353B
2 July 1980

TABLE 104-I. Standard printed circuit boards- Continued.

Number of contacts	Contact spacing	Part number M55302/
10 ↓	100 ↓	64-A10 64-B10 64-C10 64-D10 64-E10 64-A14 64-B14 64-C14 64-D14 64-E14 64-A20 64-B20 64-C20 64-D20 64-E20 64-A24 64-B24 64-C24 64-D24 64-E24 64-A26 64-B26 64-C26 64-D26 64-E26 64-A30 64-B30 64-C30 64-D30 64-E30 64-A36 64-B36 64-C36 64-D36 64-E36 64-A40 64-B40 64-C40 64-D40 64-E40 64-A44 64-B44 64-C44 64-D44 64-E44 64-A50 64-B50 64-C50 64-D50 64-E50 64-A54 64-B54 64-C54 64-D54 64-E54

MIL-STD-1353B
2 July 1980TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
56	.100	64-A56
↓	↓	64-B56
60		64-C56
↓		64-D56
66		64-E56
↓		64-A60
70		64-B60
↓		64-C60
10		64-D60
10		64-E60
14		64-A66
14		64-B66
20		64-C66
20		64-D66
24		64-E66
24		64-A70
26		64-B70
26		64-C70
30		64-D70
30		64-E70
36		65-10X
36		65-10Y
40		65-14X
40		65-14Y
44		65-20X
44		65-20Y
50		65-24X
50		65-24Y
54		65-26X
54		65-26Y
56		65-30X
56		65-30Y
60		65-36X
60		65-36Y
66		65-40X
66		65-40Y
70		65-44X
70		65-44Y
		65-50X
		65-50Y
		65-54X
		65-54Y
		65-56X
		65-56Y
		65-60X
		65-60Y
		65-66X
		65-66Y
		65-70X
		65-70Y

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
10	.100	66-10L
10		66-10M
10		66-10S
14		66-14L
14		66-14M
14		66-14S
20		66-20L
20		66-20M
20		66-20S
24		66-24L
24		66-24M
24		66-24S
26		66-26L
26		66-26M
26		66-26S
30		66-30L
30		66-30M
30		66-30S
36		66-36L
36		66-36M
36		66-36S
40		66-40L
40		66-40M
40		66-40S
44		66-44L
44		66-44M
44		66-44S
50		66-50L
50		66-50M
50		66-50S
54		66-54L
54		66-54M
54		66-54S
56		66-56L
56		66-56M
56		66-56S
60		66-60L
60		66-60M
60		66-60S
66		66-66L
66		66-66M
66		66-66S
70		66-70L
70		66-70M
70		66-70S

MIL-STD-1353B

2 July 1980

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
48	.100	90-10
72		90-11
96		90-12
24		91-01
↓		91-02
↓		91-03
↓		91-04
↓		91-05
↓		91-06
48		91-07
↓		91-08
↓		91-09
↓		91-10
↓		91-11
↓		91-12
72		91-13
↓		91-14
↓		91-15
↓		91-16
↓		91-17
↓		91-18
↓		91-19
↓		91-20
96		91-21
↓		91-22
↓		91-23
↓		91-24
↓		91-25
↓		91-26
↓		91-27
24		91-28
↓		91-29
↓		91-30
↓		91-31
↓		91-32
↓		91-33
↓		91-34
48		91-35
↓		91-36
↓		91-37
↓		91-38
↓		91-39
↓		91-40
↓		91-41
72		91-42
↓		91-43
↓		91-44
96		91-45
↓		91-46
↓		91-47
↓		91-48
↓		91-49
↓		91-50
↓		91-51
↓		91-52

MIL-STD-1353B
2 July 1980TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
30	.090	67-01
49	↓	67-02
30		68-01
49		68-02
30		69-01
49		69-02
61	.100	70-01
61	↓	70-02
61		71-01
61		71-02
40	.150	72-01
76	↓	72-02
40		73-01
76		73-02
39	.100	74-01
59	↓	74-02
39		74-03
59		74-04
39		75-01
59		75-02
58		76-01
87		76-02
58		77-01
87		77-02
66	.100x.050	82-01
↓	↓	82-02
24		82-03
48		82-04
72		83-01
96		83-02
24	.100	89-01
48	↓	89-02
72		89-03
96		89-04
24		89-05
48		89-06
72		89-07
96		89-08
24		89-09
48		89-10
72		89-11
96		89-12
24		90-01
48		90-02
72		90-03
96		90-04
24		90-05
48		90-06
72		90-07
96		90-08
24		90-09

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
24	.100	93-01
48		93-02
72		93-03
96		93-04
24		94-01
48		94-02
72		94-03
96		94-04
24		95-01
48		95-02
72		95-03
96		95-04
24		96-01
48		96-02
72		96-03
96		96-04
18		99-01
30		99-02
36		99-03
42		99-04
54		99-05
72		99-06
18		100-01
30		100-02
36		100-03
42		100-04
54		100-05
72		100-06
18		101-01
30		101-02
36		101-03
42		101-04
54		101-05
72		101-06
18		102-01
30		102-02
36		102-03
42		102-04
54		102-05
72		102-06
18		102-07
30		102-08
36		102-09
42		102-10
54		102-11
72		102-12

MIL-STD-1353B
2 July 1980

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
24	.100	92-01
↓		92-02
48		92-03
↓		92-04
↓		92-05
↓		92-06
↓		92-07
↓		92-08
72		92-09
↓		92-10
↓		92-11
↓		92-12
↓		92-13
↓		92-14
↓		92-15
↓		92-16
↓		92-17
↓		92-18
↓		92-19
↓		92-20
↓		92-21
96		92-22
↓		92-23
↓		92-24
↓		92-25
↓		92-26
↓		92-27
↓		92-28
24		92-29
↓		92-30
↓		92-31
↓		92-32
↓		92-33
↓		92-34
48		92-35
↓		92-36
↓		92-37
↓		92-38
↓		92-39
↓		92-40
72		92-41
↓		92-42
↓		92-43
↓		92-44
↓		92-45
↓		92-46
96		92-47
↓		92-48
↓		92-49
↓		92-50
↓		92-51
↓		92-52

MIL-STD-1353B

2 July 1980

TABLE 104-I. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
100	.100	110-08
110		110-09
30		110-10
40		110-11
50		110-12
60		110-13
70		110-14
80		110-15
90		110-16
100		110-17
110		110-18
13		111-01
25		111-02
37		111-03
49		111-04
61		111-05
70		113-01
70		113-02
70		113-03
70		113-04
30		113-24
30		113-25
30		113-26
30		113-27
40		113-32
40		113-33
40		113-34
40		113-35
50		113-40
50		113-41
50		113-42
50		113-43
60		113-48
60		113-49
60		113-50
60		113-51
80		113-56
80		113-57
80		113-58
80		113-59
90		113-64
90		113-65
90		113-66
90		113-67
100		113-72
100		113-73
100		113-74
100		113-75
110		113-80
110		113-81
110		113-82
110		113-83
70		113-98
70		113-99
70		113-100
70		113-101

MIL-STD-1353B

2 July 1980

TABLE 104-1. Standard printed circuit board- Continued.

Number of contacts	Contact spacing	Part number M55302/
42	.100	102-13
↓		102-14
54		102-15
↓		102-16
72		102-17
↓		102-18
18		102-19
30		102-20
36		102-21
42		102-22
54		102-23
72		102-24
18		103-01
↓		103-02
30		103-03
↓		103-04
36		103-05
↓		103-06
42		104-01
↓		104-02
54		104-03
72		104-04
↓		104-05
18		104-06
30		104-07
↓		104-08
36		104-09
↓		104-10
42		104-11
↓		104-12
54		104-13
72		104-14
↓		104-15
18		104-16
30		104-17
36		104-18
42		104-19
54		104-20
72		104-21
↓		104-22
4		104-23
4		104-24
30		108
40		109
50		110-01
60		110-02
70		110-03
80		110-04
90		110-05
		110-06
		110-07

MIL-STD-1353B
2 July 1980

TABLE 104-1. Standard printed circuit board - Continued.

Number of contacts	Contact spacing	Part number M55302/
110	.100	113-102
110		113-103
110		113-104
110		113-105
20		114-05
40		114-09
60		114-11
80		114-13
100		114-15
20		115-03
40		115-05
60		115-06
80		115-07
100		115-08
20	.050	117-01
30		117-02
40		117-03
50		117-04
60		117-05
70		117-06
80		117-07
90		117-08
100		117-09
110		117-10
128		117-11
20		118-01
30		118-02
40		118-03
50		118-04
60		118-05
70		118-06
80		118-07
90		118-08
100		118-09
110		118-10
128		118-11
20		119-01
30		119-02
40		119-03
50		119-04
60		119-05
70		119-06
80		119-07
90		119-08
100		119-09
110		119-10
128		119-11
80		125-01
80		126-01

104137

MIL-STD-1353B
2 July 1980

SECTION 105

CONNECTORS, TEST POINT
(Applicable specification: MIL-C-39024)

MIL-C-39024 Part number system

Part No. example: M39024/10-01

Key: M39024/10-01

Basic specification —

Specification sheet —

Dash number —

Standard connectors: See table 105-I.

Characteristics and restrictions: All characteristics are applicable and no restrictions apply.

MIL-STD-1353B

2 July 1980

TABLE 105-I. Standard test points, MIL-C-39024 type.

Test probe	Part number M39024/	Test probe	Part number M39024/
0.080	1-01	0.080	2-16
	1-02		2-17
	1-03		2-18
	1-04		2-19
	1-05		2-20
	1-06		3-01
	1-07		3-02
	1-08		3-03
	1-09		3-04
	1-10		3-05
	1-11		3-06
	1-12		3-07
	1-13		3-08
	1-14		3-09
	1-15		3-10
	1-16		3-11
	1-17		3-12
	1-18		3-13
	1-19		3-14
	1-20		3-15
	1-21		3-16
	1-22		3-17
	1-23		3-18
	1-24		3-19
	1-25		3-20
	1-26		5-01
	1-27		5-02
	1-28		5-03
	1-29		5-04
	1-30		5-05
	1-31		5-06
	1-32		5-07
	1-33		5-08
	1-34		5-09
	1-35		5-10
	1-36	0.040	5-11
	1-37		5-12
	1-38		5-13
	1-39		5-14
	1-40		5-15
	2-01		5-16
	2-02		5-17
	2-03		5-18
	2-04		5-19
	2-05		5-20
	2-06	0.080	5-21
	2-07		5-22
	2-08		5-23
	2-09		5-24
	2-10		5-25
	2-11		5-26
	2-12		5-27
	2-13		5-28
	2-14		5-29
	2-15		5-30

MIL-STD-1353B

2 July 1980

TABLE 105-1. Standard test points, MIL-C-39024 type - Continued.

Test probe	Part number M39024/	Test probe	Part number M39024/
0.080	10-01	0.040	12-14
↓	10-02	↓	12-15
	10-03		12-16
	10-04		12-17
	10-05		12-18
	10-06		12-19
	10-07		12-20
	10-08		12-21
	10-09		12-22
0.060 x 0.125	10-10	0.080	13-01
↓	10-11	↓	13-02
	10-12		13-03
	10-13		13-04
	10-14		13-05
	10-15		13-06
	10-16		13-07
	10-17		13-08
	10-18		13-09
	10-19		13-10
0.080	10-20		13-11
↓	11-01		13-12
	11-02		13-13
	11-03		13-14
	11-04		13-15
	11-05		13-16
	11-06		13-17
	11-07		13-18
	11-08		13-19
	11-09		13-20
	11-10		13-21
	11-31		13-22
	11-32		14-01
	11-33		14-02
	11-34		14-03
	11-35		14-04
	11-36		14-05
	11-37		14-06
	11-38		14-07
	11-39		14-08
	11-40		14-09
	12-01		14-10
	12-02		14-11
	12-03		14-12
	12-04		14-13
	12-05		14-14
	12-06		14-15
	12-07		14-16
	12-08		14-17
	12-09		14-18
	12-10		14-19
0.040	12-11		14-20
0.040	12-12		14-21
	12-13		14-22

MIL-STD-1353B

2 July 1980

TABLE 105-I. Standard test points, MIL-C-39024 type - Continued.

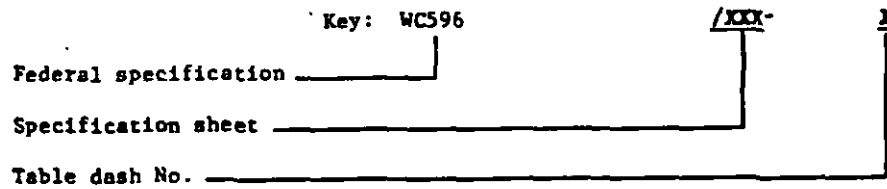
Test probe	Part number M39024/	Test probe	Part number M39024/
0.080	15-07	0.080	15-45
	15-08		15-46
	15-09		15-47
	15-10		15-48
	15-11		15-49
	15-12		15-50
	15-13		15-01
	15-14		15-02
	15-15		15-03
	15-16		15-04
	15-17		15-05
	15-18		15-06
	15-19		15-51
	15-20		15-52
	15-21		15-53
	15-22		15-54
	15-23		15-55
	15-24		15-56
	15-25		15-57
	15-26		15-58
	15-27		15-59
	15-28		15-60
	15-29		15-61
	15-30		15-62
	15-31		15-63
	15-32		15-64
	15-33		15-65
	15-34		15-66
	15-35		18-01
	15-36		18-02
	15-37		18-03
	15-38		18-04
	15-39		18-05
	15-40		18-06
	15-41		18-07
	15-42		18-08
	15-43		18-09
	15-44		18-10

SECTION 106

CONNECTORS, POWER, GENERAL DUTY
(Applicable Specification: WC-596)

WC-596 PART NUMBERING SYSTEM

Part No. example: WC596/3-1















Criteria: All connectors are of the grounding type and of non-armored, dead front construction.

Standard connectors: See table 106-1.

MIL-STD-13538
2 July 1980



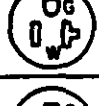




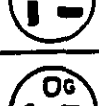
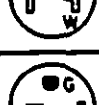


TABLE 106-I. Standard connectors, WC596 type.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Nonlocking 2 Pole, 3 Wire, Grounding, 50/60 Hz			
15-125 15-125 15-125 15-125 15-125 15-125	Receptacle/single Receptacle/single Receptacle/duplex Receptacle/duplex Receptacle/duplex Receptacle/duplex	WC596/11-1 WC596/11-2 WC596/12-1 WC596/12-2 WC596/12-3 WC596/12-4	
15-125 15-125	Plug, straight Plug, right angle	WC596/13-3 WC596/13-4	
15-125	Cable outlet	WC596/14-2	
15-125	Male inlet	WC596/140-1	
15-250 15-250	Receptacle/single Receptacle/duplex	WC596/15-1 WC596/16-1	
15-250	Plug	WC596/17-1	
15-250	Cable outlet	WC596/18-1	
15-250	Male inlet	WC596/141-1	
15-277 15-277	Receptacle/duplex Receptacle/single	WC596/71-1 WC596/72-1	
15-277 15-277	Plug, straight Plug, right angle	WC596/73-1 WC596/73-2	
15-277	Cable outlet	WC596/74-1	
15-277	Male inlet	WC596/146-1	

MIL-STD-1353E




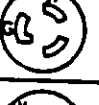

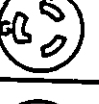



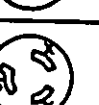
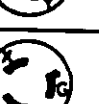
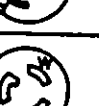
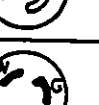
1 July 1964

TABLE 106-1. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Nonlocking 2 Pole, 3 Wire, Grounding, 50/60 Hz			
20-125 20-125 20-125 20-125	Receptacle/duplex Receptacle/duplex Receptacle/single Receptacle/single	WC596/40-1 WC596/40-2 WC596/41-1 WC596/41-2	
20-125 20-125	Plug Plug	WC596/42-1 WC596/42-2	
20-125	Cable outlet	WC596/143-1	
20-125	Male inlet	WC596/142-1	
20-250 20-250	Receptacle/single Receptacle/duplex	WC596/64-1 WC596/65-1	
20-250 20-250	Plug, straight Plug, right angle	WC596/66-1 WC596/66-2	
20-250	Cable outlet	WC596/67-1	
20-250	Male inlet	WC596/144-1	
30-125	Receptacle/single	WC596/68-1	
30-125 30-125	Plug, straight Plug, right angle	WC596/69-1 WC596/69-2	
30-125	Cable outlet	WC596/70-1	

MIL-STD-13538
2 July 1980










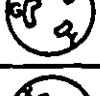

TABLE 106-I. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Locking 2 Pole, 3 Wire, Grounding, 50/60 Hertz			
15-125	Plug	WC596/75-1	
15-125	Cable outlet	WC596/76-1	
15-125	Male inlet	WC596/147-1	
15-125 15-125	Receptacle, single Receptacle, duplex	WC596/98-1 WC596/99-1	
15-125 15-125	Plug, straight Plug, right angle	WC596/100-1 WC596/100-2	
15-125	Cable outlet	WC596/101-1	
15-125	Male inlet	WC596/102-1	
15-250 15-250	Receptacle, single Receptacle, duplex	WC596/85-1 WC596/86-1	
15-250 15-250	Plug, straight Plug, right angle	WC596/87-1 WC596/87-2	
15-250	Cable outlet	WC596/88-1	
15-250	Male inlet	WC596/89-1	
15-277 15-277	Receptacle, single Receptacle, duplex	WC596/111-1 WC596/112-1	
15-277 15-277	Plug, straight Plug, right angle	WC596/113-1 WC596/113-2	

MIL-STD-1353B

1 July 1984














TABLE 106-1. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Locking 2 Pole, 3 Wire, Grounding, 50/60 Hz			
15-277	Cable outlet	WC595/114-1	
15-277	Male inlet	WC596/115-1	
20-125 20-125	Receptacle, single Receptacle, duplex	WC596/94-1 WC596/94-2	
20-125 20-125	Plug, straight Plug, right angle	WC596/95-1 WC596/95-2	
20-125	Cable outlet	WC596/96-1	
20-125	Male inlet	WC596/97-1	
20-250 20-250	Receptacle, single Receptacle, single	WC596/81-1 WC596/81-2	
20-250 20-250	Plug, straight Plug, right angle	WC596/82-1 WC596/82-2	
20-250	Cable outlet	WC596/83-1	
20-250	Male inlet	WC596/84-1	
20-277 20-277	Receptacle, single Receptacle, single	WC596/107-1 WC596/107-2	

MIL-STD-1353B

2 July 1980

TABLE 106-1. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Locking 2 Pole, 3 Wire, Grounding, 50/60 Hz			
20-277 20-277	Plug, straight Plug, right angle	WC596/108-1 WC596/108-2	
20-277	Cable outlet	WC596/109-1	
20-277	Male inlet	WC596/110-1	
30-125 30-125	Receptacle, single Receptacle, single	WC596/90-1 WC596/90-2	
30-125 30-125	Plug, straight Plug, right angle	WC596/91-1 WC596/91-2	
30-125	Cable outlet	WC596/92-1	
30-125	Male inlet	WC596/93-1	
30-250	Receptacle, single	WC596/77-1	
30-250	Plug	WC596/78-1	
30-250	Cable outlet	WC596/79-1	
30-250	Male inlet	WC596/80-1	
30-277 30-277	Receptacle, single Receptacle, single	WC596/103-1 WC596/103-2	
30-277 30-277	Plug, straight Plug, right angle	WC596/104-1 WC596/104-2	

MIL-STD-1353B

2 July 1990












TABLE 106-I. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Locking 2 Pole, 3 Wire, Grounding, 50/60 Hz			
30-277 1 ϕ	Cable outlet	WC596/105-1	
30-277 1 ϕ	Male inlet	WC596/106-1	
Locking 3 Pole, 4 Wire, Grounding, 50/60 Hz			
20-125/250 20-125/250	Receptacle, single Receptacle, single	WC596/120-1 WC596/120-2	
20-125/250 20-125/250	Plug, straight Plug, right angle	WC596/121-1 WC596/121-2	
20-125/250	Cable outlet	WC596/122-1	
20-125/250	Male inlet	WC596/123-1	
20-250 3 ϕ 20-250	Receptacle, single Receptacle, single	WC596/124-1 WC596/124-2	
20-250 3 ϕ 20-250	Plug, straight Plug, right angle	WC596/125-1 WC596/125-2	
20-250 3 ϕ	Cable outlet	WC596/126-1	
20-250 3 ϕ	Male inlet	WC596/127-1	
30-125/250 1 ϕ 30-125/250	Receptacle, single Receptacle, single	WC596/116-1 WC596/116-2	

MIL-STD-13538

2 July 1980








TABLE 106-1. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Locking 3 Pole, 4 Wire, Grounding, 50/60 Hz			
30-125/250 1 Ø 30-125/250	Plug, straight Plug, right angle	WC596/117-1 WC596/117-2	
30-125/250 1 Ø	Cable outlet	WC596/118-1	
30-125/250 1 Ø	Male inlet	WC596/119-1	
30-250 30-250	Receptacle, single Receptacle, single	WC596/128-1 WC596/128-2	
30-250 30-250	Plug, straight Plug, right angle	WC596/129-1 WC596/129-2	
30-250	Cable outlet	WC596/130-1	
30-250	Male inlet	WC596/131-1	
Locking 4 Pole, 5 Wire, Grounding, 50/60 Hz			
20-120/208 20-120/208	Receptacle, Single Receptacle, single	WC596/136-1 WC596/136-2	
20-120/208 20-120/208	Plug, straight Plug, right angle	WC596/137-1 WC596/137-2	
20-120/208	Cable outlet	WC596/138-1	
20-120/208	Male inlet	WC596/139-1	

MIL-STD-1353B

1 July 1963










TABLE 106-1. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage 50/60 Hz	Type of connector	WC596 part number	Configuration
Locking 4 Pole, 5 Wire, Grounding, 50/60 Hz			
30-120/208 30-120/208	Receptacle, single Receptacle, single	WC596/132-1 WC596/132-2	
30-120/208 30-120/208	Plug, straight Plug, right angle	WC596/133-1 WC596/133-2	
30-120/208	Cable outlet	WC596/134-1	
30-120/208	Male inlet	WC596/135-1	
Locking 2 Pole, 3 Wire, DC			
30-28	Receptacle, single	WC596/148-1	
30-28	Plug	WC596-149-1	
30-28	Cable outlet	WC596/150-1	

MIL-STD-1353B

2 July 1980

TABLE 106-I. Standard connectors, WC596 type - Continued.

Rating Amperes-Voltage (60 Hz)	Type of connector	WC596 part number	Configuration
Locking 2 Pole, 3 Wire, 400 Hz			
30-120	Receptacle, single	WC596/151-1	
30-120	Plug	WC596/152-1	
30-120	Cable outlet	WC596/153-1	
Locking 3 Pole, 4 Wire, 400 Hz			
30-120	Receptacle, single	WC596/154-1	
30-120	Plug	WC596/155-1	
30-120	Cable outlet	WC596/156-1	
Locking 4 Pole, 5 Wire, 400 Hz			
30-120/208	Receptacle, single	WC596/157-1	
30-120/208	Plug	WC596/158-1	
30-120/208	Cable outlet	WC596/159-1	

MIL-STD-1353B
2 July 1980

SECTION 107

CONNECTORS, FLAT CABLE

Standard connectors, flat cable will
be included in this section at a
later date.

MIL-STD-1353B

2 July 1980

SECTION 200

RADIO FREQUENCY CONNECTORS

Section

Page

201

CONNECTORS, RADIO FREQUENCY, COAXIAL

201.1

MIL-STD-1353B

2 July 1960

SECTION 201

CONNECTORS, RADIO FREQUENCY, COAXIAL
(Applicable specification: MIL-C-39012)

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
MIL-C-39012	- This specification covers the general requirements and tests for radio frequency connectors used with flexible RF cables and certain other types of coaxial transmission lines.		201.3
Series N	- Threaded coupling for RF cable in the .195 to .870 inch outside dimension (OD) range. Maximum operating volts — 1,000 rms at sea level.	None	201.4
Series C	- Bayonet coupling for RF cable in the .280 to .870 inch OD range. Maximum operating volts - 1,000 rms at sea level.	None	201.5
Series BNC	- Bayonet coupling for RF cable in the .160 to .250 inch OD range. Maximum operating volts - 500 rms at sea level.	Not for Navy or Air Force use	201.6
Series TNC	- Threaded coupling for RF cable in the .100 to .250 inch OD range. Maximum operating volts - 500 rms at sea level.	None	201.7
Series SC	- Threaded coupling for RF cable in the .195 to .870 inch OD range. Maximum operating volts - 1,000 rms at sea level.	None	201.8

MIL-STD-1353B
2 July 1980

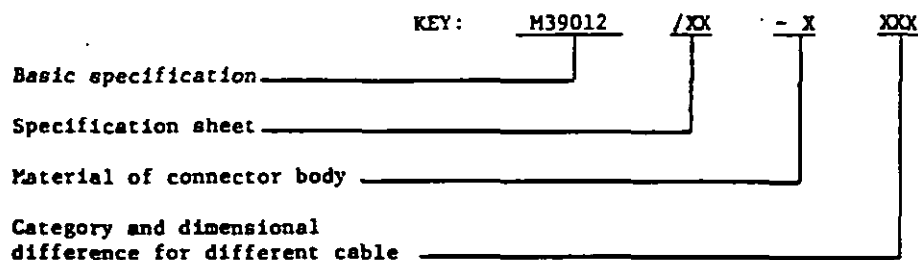
<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
Series SMA	- Threaded coupling for RF cable in the .071 to .170 inch OD range. Maximum operating volts - 170 rms at sea level.	None	201.9
Series SMB	- Bayonet coupling for RC cable in the .071 to .170 inch OD range. Maximum operating volts - 250 rms at sea level.	Not for Navy Airborne use.	201.11
Series SMC	- Threaded coupling for RF cable in the .071 to .100 inch OD range. Maximum operating volts - 250 rms at sea level.	Not for Navy Airborne use.	201.12
<u>Table No.</u>	<u>Cross reference</u>		
201-II	MIL-C-17 to MIL-C-39012 conversion		201.13

MIL-STD-1353B

2 July 1980

MIL-C-39012 PART NUMBER SYSTEM

Part No. example: M39012/57-2006



Criteria:

Material of connector body:

- 0XXX - Brass
- 1XXX - Phosphor bronze
- 2XXX - Aluminum
- 3XXX - Steel-corrosion resisting
- 4XXX - Copper beryllium

Categories. The categories of connectors shall be designated by an A (field serviceable), B (non-field replaceable), C (field replaceable), D (field replaceable), and E (field replaceable) as follows:

- Category A - Connectors that do not require special tools to assemble shall be designated as category A connectors. Standard wrenches, soldering equipment, pliers, etc., are not defined as special tools.
- Category B - Connectors that require special tools to assemble shall be designated as category B connectors. These connectors may be used for original installations. Field replacement is intended to be made by category A or C connectors. Category B connectors will not be stocked or procured by the Government.
- Category C - Connectors that require only standard military crimping tools and standard cable stripping dimensions to assemble shall be designated as category C connectors.
- Category D - Connectors which require only standard military crimping tools for the center contact and outer ferrule, and standard cable stripping dimensions to assemble shall be designated as category D connectors.
- Category E - Connectors that require only standard assembly tools and can be assembled in the field.








Standard connectors: See table 201-I.

Cable to connector conversion: See table 201-II.

MIL-STD-1353B

2 July 1980

TABLE 201-1. Standard connectors, MIL-C-39012 type.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES N THREADED COUPLING				
Plug 	Pin  Socket 	C	1-0016	/73-RG212 $\frac{1}{1}$
			1-0019	/78-RG217 $\frac{1}{1}$
			1-0021	/65-RG165
			1-0023	/6-RG11
			1-0023	/62-RG144
			1-0024	/77-RG216 $\frac{1}{1}$
			1-0027	/2-RG6 $\frac{1}{1}$
		D	1-0501	/127-RG393
			1-0503	/128-RG400
			1-0503	/60-RG142
		C	2-0322	/78-RG217 $\frac{1}{1}$
			2-0027	/73-RG212 $\frac{1}{1}$
			2-0030	/27-RG216
			2-0041	/65-RG165
			2-0042	/6-RG11
			2-0042	/62-RG144
			2-0043	/2-RG6 $\frac{1}{1}$
Jam nut mounted  Front mounted jam nut Rear mounted flange Rear mounted jam nut	Pin-right angle 	C	3-0013	/73-RG212 $\frac{1}{1}$
			3-0016	/78-RG222 $\frac{1}{1}$
			3-0018	/65-RG165
			3-0020	/6-RG11
			3-0020	/62-RG144
			3-0021	/77-RG216 $\frac{1}{1}$
			3-0023	/2-RG6 $\frac{1}{1}$
		D	3-0501	/127-RG393
			3-0503	/60-RG142
			3-0503	/128-RG100
		N/A	4-0001	N/A
			4-0002	
			4-0003	
Plug 	Pin-right angle 	C	5-0013	/2-RG6 $\frac{1}{1}$
			5-0014	/6-RG11
			5-0014	/62-RG144
			5-0015	/65-RG165
			5-0016	/73-RG212 $\frac{1}{1}$
			5-0017	/77-RG216 $\frac{1}{1}$
		D	5-0501	/75-RG214 $\frac{1}{1}$
			5-0501	/127-RG393
			5-0502	/74-RG213
			5-0503	/60-RG142
			5-0503	/128-RG400

 $\frac{1}{1}$ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-1. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES C - BAYONET COUPLING				
Cabled plug ↓	Male ↓	C	6-0031	/6-RG11
		A	6-0016	/78-RG217 1/
			6-0017	/72-RG211
			6-0018	/79-RG218 1/
			6-0019	/76-RG215 1/
	Female ↓	C	7-0015	/6-RG11
		A	7-0019	/76-RG215 1/
		C	8-0017	/76-RG215 1/
		A	9-0001	/29-RG54 1/
			9-0001	/30-RG62 1/
9-0001	/90-RG71			
9-0002	/28-RG58			
9-0002	/84-RG223 1/			
Right angle, cabled plug	Male	A	10-0005	/76-RG215 1/
Rear mounted, jam nut	Female	C	11-0016	/6-RG11
pressurized	Female	A	11-0020	/76-RG215 1/
Rear mounted, flange mounted		N/A	12-0001	N/A
Jam nut mounted, front mounted		N/A	13-0001	N/A
Pressurized seal		N/A	14-0001	N/A
Jam nut mounted				
Hermetic seal,			14-0002	↓
Jam nut mounted				
Cabled plug ↓	Male ↓	A	15-0001	/29-RG59 1/
			15-0001	/30-RG62 1/
			15-0001	/90-RG71
			15-0002	/28-RG58 1/
			15-0002	/84-RG223 1/

1/ PVC cable (jacket) not for airborne use.

MIL-STD-13538

2 July 1980

TABLE 201-I. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES BNC - BAYONET COUPLING				
Plug ↓ Cabled plug ↓ Receptacle ↓	Pin ↓ Socket ↓	C	16-0013 16-0014 16-0015 16-0015 16-0015 16-0017 16-0020	/111-RG303 /84-RG223 1/ /29-RG59 1/ /30-RG62 1/ /87-RG210 /90-RG71 /110-RG302
		D	16-0502 16-0503	/95-RG180 /128-RG400
		C	17-0013 17-0014 17-0015 17-0015 17-0015 17-0017 17-0020	/111-RG303 /84-RG223 1/ /29-RG59 1/ /30-RG62 1/ /97-RG210 /90-RG71 /110-RG302
		D	17-0502 17-0503 17-0503	/95-RG180 /60-RG142 /128-RG400
		C	18-0013 18-0014 18-0015 18-0015 18-0015 18-0017 18-0020	/111-RG303 /84-RG223 1/ /29-RG59 1/ /30-RG62 1/ /97-RG210 /90-RG71 /110-RG302
		D	18-0502 18-0503	/95-RG180 /128-RG400
		C	19-0013 19-0014 19-0014 19-0015 19-0015 19-0015 19-0017 19-0020	/111-RG303 /84-RG223 1/ /60-RG142 /29-RG59 1/ /30-RG62 1/ /97-RG210 /90-RG71 /110-RG302
		D	19-0502 19-0503	/95-RG180 /128-RG400
Plug, right angle ↓	Pin ↓	C	20-0006 20-0007 20-0010	/111-RG303 /84-RG223 1/ /110-RG302
		D	20-0501 20-0502 20-0503	/54-RG122 1/ /95-RG181 /128-RG400
Jam nut mounted receptacle	Female	N/A	21-0001	N/A
Flange mounted receptacle	Female	N/A	22-0001	N/A
Right angle receptacle	Female	N/A	23-0001	N/A
Jam nut mounted hermetic sealed receptacle	Female	N/A	24-0001	N/A

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-1. Standard connectors, MIL-C-39012 type -Continued

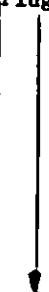



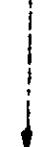


TABLE 201-1. Standard Connectors, MIL-STD-24300-1				
Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES TNC - THREADED COUPLING				
Plug	Pin	C	26-0010	/111-RG303
	Socket		26-0011	/84-RG223 1/
26-0012			/29-RG59 1/	
26-0012			/60-RG142	
26-0012			/97-RG210	
26-0014			/90-RG71	
26-0021			/110-RG302	
26-0022			/113-RG316	
26-0022			/114-RG174	
D		26-0502	/95-RG180	
D	27-0502	/95-RG180		
	Pin	C	28-0010	/111-RG303
			28-0010	/84-RG223 1/
28-0012			/29-RG59 1/	
28-0012			/30-RG62 1/	
28-0012			/97-RG210	
28-0014			/90-RG71	
28-0021			/110-RG302	
28-0022			/113-RG316	
28-0022			/119-RG174 1/	
D	28-0502	/95-RG180		
	Pin	C	29-0010	/111-RG303
			29-0010	/84-RG223 1/
29-0012			/29-RG59 1/	
29-0012			/30-RG62 1/	
29-0012			/97-RG210	
29-0014			/90-RG71	
29-0021			/110-RG302	
29-0022			/113-RG316	
29-0022			/119-RG174 1/	
D	29-0502	/195-RG180		
	Pin	C	30-0010	/111-RG303
			30-0011	/84-RG223 1/
30-0012			/29-RG59 1/	
30-0012			/97-RG210	
30-0014			/90-RG71	
30-0021			/110-RG302	
30-0022			/113-RG316	
30-0022			/119-RG174 1/	
D			30-0502	/95-RG180
Jam nut mounted receptacle	Socket	N/A	31-0002	N/A
Flange mounted receptacle	Socket	N/A	32-0001	N/A
Right angle receptacle	Socket	N/A	33-0001	N/A
Jam nut mounted hermetic sealed receptacle	Socket	N/A	34-0002	N/A

1/ PVC cable (jacket) not for airborne use.

MIL-STD-13538

3 July 1980

TABLE 201-I. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES SC - THREADED COUPLING				
Plug  Front jam nut mounted	Pin  Socket  Female	C	35-0013 35-0013	/6-RG11 /62-RG144
		A	35-0018 35-0019 35-0020 35-0021	/78-RG217 1/ /72-RG211 1/ /79-RG218 1/ /76-RG215 1/
		C	36-0010 36-0010	/6-RG11 /62-RG144
		A	36-0017 36-0018 36-0019 36-0020	/76-RG215 1/ /78-RG217 1/ /72-RG211 1/ /79-RG218 1/
		N/A	37-0002	N/A
		C	38-0006 38-0008 38-0008	/65-RG165 /73-RG212 1/ /112-RG304
		D	38-0501 38-0503 38-0503	/127-RG393 /60-RG142 /128-RG400
		C	39-0004	/65-RG165
		D	39-0501 39-0503 39-0503	/127-RG393 /60-RG142 /128-RG400
		C	40-0014 40-0014 40-0017 40-0018 40-0019 40-0021 40-0021 40-0022	/73-RG212 1/ /112-RG304 /77-RG216 1/ /78-RG217 1/ /65-RG165 /6-RG11 /62-RG144 /92-RG115
Rear, flange mounted, cabled, receptacle  Rear, jam nut mounted cabled, receptacle  Rear mounted	Socket  Socket  Female	D	40-0501 40-0503 40-0503	/127-RG393 /60-RG142 /128-RG400
		N/A	41-0001	N/A
		N/A	42-0001	N/A
		N/A	43-0001	N/A

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-1. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES SMA - THREADED COUPLING				
Plug ↓	Pin ↓	C	55-3025 55-3026 55-4026 55-3027 55-4028 55-3029 55-4029	/93-RG178 /119-RG174 1/ /113-RG316 /54-RG122 1/ /84-RG223 1/ /28-RG58 1/ /111-RG303
		D	55-4502	/128-RG400
Right angle plug ↓		C	56-4025 56-3020 56-4026 56-4027 56-3028 56-4028 56-3029 56-4029	/93-RG198 /119-RG174 1/ /113-RG316 /54-RG122 1/ /60-RG142 /84-RG223 1/ /28-RG58 1/ /111-RG303
Plug ↓	Socket ↓	C	57-3025 57-3020 57-4026 57-3027 57-4028 57-3029 57-4029	/93-RG178 /119-RG174 1/ /113-RG316 /54-RG122 1/ /84-RG223 1/ /28-RG58 1/ /111-RG303
		D	57-4502	/128-RG400
Cabled, flange mounted, receptacle ↓		C	58-3025 58-3026 58-4026 58-3027 58-4028 58-3029 58-4029	/93-RG178 /119-RG174 1/ /113-RG316 /54-RG122 1/ /84-RG223 1/ /28-RG58 1/ /111-RG303
		D	58-4502	/128-RG400
Cabled, jam nut mounted, receptacle ↓		C	59-3025 59-3026 59-4026 59-3027 59-4028 59-3029 59-4029	/93-RG178 /119-RG174 1/ /113-RG316 /54-RG122 1/ /84-RG223 1/ /28-RG58 1/ /111-RG303
		D	59-4502	/128-RG400
Flange mounted receptacle	Female	N/A	60-3001	N/A
Jam nut mounted receptacle	Female	N/A	61-3002	N/A
Hermetic sealed jam nut mounted receptacle	Female	N/A	62-3002	N/A

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-1. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES SMA - THREADED COUPLING				
Cabled plug semirigid cable	Pin	E	79-3008	/130-RG402
Semirigid cable right angle plug	Pin	E	80-3008	/130-RG402
Semirigid cable cabled plug	Socket	E	81-3008	/130-RG402
Flange mounted semirigid cable receptacle	Socket	E	82-3008	/130-RG402
Jam nut mounted semirigid cable receptacle	Socket	E	83-3008	/130-RG402
Printed circuit receptacle	Female ↓	N/A	93-3001 93-3002 93-3003	N/A
Printed circuit receptacle	Female ↓	N/A	94-3001 94-3002 94-3003	N/A

MIL-STD-1353B

2 July 1980

TABLE 201-I. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES SMB - BAYONET COUPLING				
Cabled plug	Female ↓	C	67-0011 67-0012 67-0012 67-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
↓	Male ↓	C	68-0011 68-0012 68-0012 68-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
Right angle plug ↓	Female ↓	C	69-0011 69-0012 69-0012 69-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
Rear, jam nut mounted cabled receptacle	Male	C	70-0011 70-0012 70-0012 70-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
Rear jam nut mounted		N/A	71-0001	N/A
Front jam nut mounted		N/A	71-0002	N/A
Rear jam nut mounted hermetic seal		N/A	72-0001	N/A
Front jam nut mounted hermetic seal		N/A	72-0002	N/A
Printed circuit receptacle		N/A	95-3001 95-3002 95-3003	N/A
Printed circuit right angle receptacle	↓	N/A	96-3001 96-3002 96-3003	N/A

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-I. Standard connectors, MIL-C-39012 type -Continued.

Application	Contact	Category	Part number M39012/	Applicable cable M17/
SERIES SMC - THREADED COUPLING				
Cabled-plug ↓	Female ↓	C	73-0011 73-0012 73-0012 73-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
↓	Male ↓	C	74-0011 74-0012 74-0012 74-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
Right angle, cabled-plug ↓	Female ↓	C	75-0011 75-0012 75-0012 75-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
Rear, jam nut mounted cabled receptacle ↓	Male ↓	C	76-0011 76-0012 76-0012 76-0012	/93-RG178 /119-RG174 <u>1/</u> /113-RG316 /94-RG179
Jam nut mounted receptacle	Male	N/A	77-0002	N/A
Jam nut mounted hermetic seal receptacle	Male	N/A	78-0001	N/A

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1960

TABLE 201-II. MIL-C-17 to MIL-C-39012 conversion.

M17/	M39012/
06-RG011	02-0003 02-0006 03-0012
028-RG058 <u>1/</u>	16-0504 17-0504 18-0504 19-0504 20-0504 26-0504 27-0504 28-0504 29-0504 30-0504 55-3029 56-3029 57-3029 58-3029 59-3029 65-0010 66-0010 87-0010 88-0010
029-RG059 <u>1/</u>	16-0015 17-0015 18-0015 19-0015 26-0012 27-0012 28-0012 29-0012 30-0012
030-RG062 <u>1/</u>	16-0015 17-0015 18-0015 19-0015 26-0012 27-0012 28-0012 29-0012 30-0012

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-II. MIL-C-17 to MIL-C-39012 conversion -Continued.

M17/	M39012/
054-RG122 <u>1/</u>	16-0501
	17-0501
	18-0501
	19-0501
	20-0501
	26-0501
	27-0501
	28-0501
	29-0501
	30-0501
	55-3027
	56-3027
	57-3027
	58-3027
	59-3027
060-RG142	16-0503
	17-0503
	18-0503
	19-0503
	20-0503
	26-0503
	27-0503
	28-0503
	29-0503
	30-0503
	55-3028
	55-4502
	56-4502
	57-4502
	58-4502
	59-4502
062-RG144	02-0003
	02-0006
	03-0012
065-RG165	02-0003
	02-0006
	03-0012

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

1 July 1980

TABLE 201-11. MIL-C-17 to MIL-C-39012 conversion -Continued.

M17/	M39012/
073-RG212 <u>1</u> /	
074-RG213	01-0502 02-0502 02-0512 03-0502 05-0502 35-0502 36-0502 38-0502 39-0502 40-0502
075-RG214	01-0501 02-0501 02-0511 03-0501 05-0501 35-0501 36-0501 38-0501 39-0501 40-0501
077-RG216 <u>1</u> /	01-0005 02-0003 02-0006 03-0012
078-RG217 <u>1</u> /	
079-RG218 <u>1</u> /	

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-II. MIL-C-17 to MIL-C-39012 conversion -Continued.

M17/	M39012/
084-RG223 <u>1/</u>	16-0014 17-0014 18-0014 19-0014 20-0007 26-0011 27-0011 28-0011 29-0011 30-0011 55-3028 56-3028 57-3028 58-3028 59-3028
086-RG225	40-0501
090-RG071	16-0017 17-0017 18-0017 19-0017 26-0014 27-0014 28-0014 29-0014 30-0014
093-RG178	55-3025 56-3025 57-3025 58-3025 59-3025 67-0003 68-0003 69-0003 70-0003 73-0003 74-0003 75-0003 76-0003
094-RG179	67-0004 68-0004 69-0004 70-0004 73-0004 74-0004 75-0004 76-0004

1/ PVC cable (jacket) not for airborne use.

MIL-STD-1353B

2 July 1980

TABLE 201-11. MIL-C-17 to MIL-C-39012 conversion -Continued.

M17/	M39012/
128-RG400	16-0503
	17-0503
	18-0503
	19-0503
	20-0503
	26-0503
	27-0503
	28-0503
	29-0503
	30-0503
	55-4502
	56-4502
	57-4502
	58-4502
	59-4502
130-RG402	79-3008
	80-3008
	81-3008
	82-3008
	83-3008
133-RG405	79-3007
	80-3007
	81-3007
	82-3007
	83-3007

MIL-STD-1353E

2 July 1980

SECTION 300

ASSOCIATED CONNECTOR HARDWARE

(Standard associated connector hardware will
be included in this section at a later date.)

MIL-STD-1353B

2 July 1981

SECTION 401

SOCKETS, PLUG-IN

(Applicable specifications: MIL-S-83502(USAF),
MIL-S-83505(USAF), MIL-S-83734.)

<u>Applicable documents</u>	<u>Applicable characteristics</u>	<u>Applicable restrictions</u>	<u>Page</u>
<u>MIL-S-83502</u>	- This specification covers round, TO, plug-in electronic component sockets; for use on panel boards, printed circuit boards and micro-electronic components. Terminals: Type I - Solderless wrap Type II - Printed circuit Type III - Solder wire turret Type IV - Solder cup Type V - Other		401.2
<u>MIL-S-83505</u>	- This specification covers the general requirements for individual lead sockets; for insertion through mounting boards or panels. Terminals: Type I - Solderless wrap Type II - Printed circuit Type III - Solder wire turret Type IV - Solder cup Type V - Other		401.5
<u>MIL-S-83734</u>	- This specification covers plug-in electronic component sockets; for use on panel boards, printed circuit boards, and microelectronic components. Terminals: Type I - Solderless wrap Type II - Printed circuit Type III - Solder cup		401.7

MIL-STD-1353B

2 July 1980

MIL-S-83502 PART NUMBER SYSTEM

Part No. example: M83502/03-001

Key: M83502/XX-XXX

Basic specification _____

Specification sheet _____

Dash number _____

Criteria:

Socket terminations: I - Solderless wrap II - printed circuit, III - Solder wire
turret, IV - Solder cup, V - Other.

Standard connectors: See table 401-I.

MIL-STD-1353B
2 July 1980

TABLE 401-1. Standard sockets, MIL-C-83502 type.

Number of contacts	To type	Terminations type	Part number M83502/
3	T07, low profile ↓	II	1-001
3			1-002
3			1-003
4			1-004
4			1-005
4			1-006
6			1-007
6			1-008
6			1-009
8			1-010
8			1-011
8			1-012
8			1-013
8			1-014
8			1-015
10			1-016
10			1-017
10			1-018
3	T05, press to fit ↓	I	2-001
3		II	2-002
3		III	2-003
3		IV	2-004
4		I	2-005
4		II	2-006
4		III	2-007
4		IV	2-008
6		I	2-009
6		II	2-010
6		III	2-011
6		IV	2-012
8		I	2-013
8		II	2-014
8		III	2-015
8		IV	2-016
10		I	2-017
10		II	2-018
10		III	2-019
10		IV	2-020
10		I	2-021
10		II	2-022
10		III	2-023
10		IV	2-024
3	T08, T092 R052 ↓	III	3-001
3		II	4-001
3		I	5-001
3		I	5-002
3		II	5-003
3		II	5-004
3		III	5-005
3		III	5-006

MIL-STD-1353B

1 July 1980

TABLE 401-1. Standard sockets, MIL-C-83502 type -Continued.

Number of contacts	To type	Terminations type	Part number M83502/
3	RO52	IV	5-007
3		IV	5-008
6		I	5-009
6		I	5-010
6		II	5-011
6		II	5-012
6		III	5-013
6		III	5-014
6		IV	5-015
6	↓	IV	5-016
3	TO18	II	6-001
3		II	6-002
3		II	6-003
3		II	6-004
3		III	6-005
3		III	6-006
3		IV	6-007
3		IV	6-008
4		II	6-009
4		II	6-010
4		II	6-011
4		II	6-012
4		III	6-013
4		III	6-014
4		IV	6-015
4	↓	IV	6-016
8	TO10	II	7-001
8		II	7-002
10		II	7-003
10	↓	II	7-004
3	TO60	II	8-001
3	TO5, with retaining ring	II	9-001
4		II	9-002
6		II	9-003
6		II	9-004
8		II	9-005
8		II	9-006
10		II	9-007
10	↓	II	9-008
3	TO5	V-Terminals exit radially from socket	10-001
4			10-002
6			10-003
6			10-004
8			10-005
8			10-006
10			10-007
10	↓		10-008

MIL-STD-1353B
2 July 1980

MIL-S-83505 PART NUMBER SYSTEM

Part No. example: M83505/03-001

Key: M83505/XX-XXX

Basic specification _____

Specification sheet _____

Dash number _____

Criteria:

Socket terminations: I - solderless wrap, II - printed circuit,
III - solder wire turret, IV - solder cup, V - other.

Standard connectors: See table 401-II.

MIL-STD-1353B

2 July 1980

TABLE 401-II. Standard sockets, MIL-S-83505 type.

Socket terminations	Pin acceptance				Sleeve plating	Part number M83505/
	Length		Diameter			
	Max	Min	Max	Min		
I	.175	.125	.021	.016	Gold	1-001
↓	↓	↓	↓	↓	Tin	1-002
↓	↓	↓	↓	↓	Gold	1-003
↓	↓	↓	↓	↓	Tin	1-004
↓	↓	↓	↓	↓	Gold	1-005
↓	↓	↓	↓	↓	Tin	1-006
↓	.281	.156	.030	.020	Gold	1-007
↓	.281	.156	.030	.020	Tin	1-008
II	.143	.125	.021	.016	Gold	2-001
↓	.143	.125	↓	↓	Tin	2-002
↓	.148	.105	↓	↓	Gold	2-003
↓	.148	.105	↓	↓	Tin	2-004
↓	.165	.141	.030	.020	Gold	2-005
↓	.165	.141	↓	↓	Tin	2-006
↓	.145	.140	↓	↓	Gold	2-007
↓	.145	.140	↓	↓	Tin	2-008
III	.250	.156	.021	.016	Gold	3-001
↓	↓	↓	.021	.016	Tin	3-002
↓	↓	↓	.030	.021	Gold	3-003
↓	↓	↓	.030	.021	Tin	3-004
↓	.281	.170	.050	.040	Gold	3-005
↓	.281	.170	.050	.040	Tin	3-006
↓	.175	.125	.021	.016	Gold	3-007
↓	.175	.125	↓	↓	Tin	3-008
IV	.175	.140	↓	↓	Gold	4-001
↓	.175	.140	↓	↓	Tin	4-002
↓	.281	.156	.030	.020	Gold	4-003
↓	.281	.156	.030	.020	Tin	4-004
↓	.210	.125	.021	.016	Gold	4-005
↓	.210	.125	↓	↓	Tin	4-006
V	.175	.125	↓	↓	Gold	5-001
↓	.175	.125	↓	↓	Tin	5-002
↓	.281	.187	.040	.030	Gold	5-003
↓	↓	↓	.040	.030	Tin	5-004
↓	↓	↓	.050	.040	Gold	5-005
↓	↓	↓	.050	.040	Tin	5-006
↓	.116	.100	.021	.016	Gold	5-007
↓	.116	.100	↓	↓	Tin	5-008
↓	.185	.120	↓	↓	Gold	5-009
↓	.185	.120	↓	↓	Tin	5-010
↓	.185	.140	.030	.021	Gold	5-011
↓	.185	.140	.030	.021	Tin	5-012
↓	.155	.125	.021	.016	Gold	5-013
↓	.155	.125	.021	.016	Tin	5-014
↓	.130	.075	.019	.017	Gold	5-015
↓	.130	.075	.019	.017	Tin	5-016
↓	.225	.100	.033	.030	Gold	5-017
↓	.225	.100	.033	.030	Tin	5-018
↓	.125	.100	.020	.018	Gold	5-019
↓	↓	↓	.020	.018	Tin	5-020
↓	↓	↓	.021	.016	Gold	5-021
↓	↓	↓	.021	.016	Tin	5-022
↓	.170	.100	.021	.016	Gold	5-023
↓	.170	.100	.021	.016	Tin	5-024

MIL-STD-1353B

2 July 1980

MIL-S-83734 PART NUMBER SYSTEM

Part No. example: M83734/03-001

Key: M83734/XX-XXX

Basic specification _____

Specification sheet _____

Dash number _____

Criteria:

Socket terminations: I - solderless wrap, II - printed circuit,
III - solder cup.

Standard connectors: See table 401-III.

MIL-STD-1353B

2 July 1980

TABLE 401-III. Standard sockets, MIL-S-83734 type.

Number of contacts	Termination type	Profile	Part number M83734/
6	I	Standard	1-001
	I		1-002
	I		1-003
	II		1-004
	II		1-005
	II		1-006
	III		1-007
	III		1-008
	III		1-009
	I		1-010
	I		1-011
	I		1-012
	II		1-013
	II		1-014
	II		1-015
	III		1-016
	III		1-017
	III		1-018
8	I	Standard	2-001
	I		2-002
	I		2-003
	II		2-004
	II		2-005
	II		2-006
	III		2-007
	III		2-008
	III		2-009
	I		2-010
	I		2-011
	I		2-012
	II		2-013
	II		2-014
	II		2-015
	III		2-016
	III		2-017
	III		2-018
14	I	Standard	3-001
	I		3-002
	I		3-003
	II		3-004
	II		3-005
	II		3-006
	III		3-007
	III		3-008
	III		3-009
	I		3-010
	I		3-011
	I		3-012
	II		3-013
	II		3-014
	II		3-015
	III		3-016
	III		3-017
	III		3-018

MIL-STD-1353B

2 July 1980

TABLE 401-III. Standard sockets, MIL-S-83734 type -Continued.

Number of contacts	Termination type	Profile	Part number M83734/
16	I	Standard	4-001
	I		4-002
	I		4-003
	II		4-004
	II		4-005
	II		4-006
	III		4-007
	III		4-008
	III		4-009
	I	Low	4-010
	I		4-011
	I		4-012
	II		4-013
	II		4-014
	II		4-015
	III		4-016
	III		4-017
	III		4-018
18	I	Standard	5-001
	I		5-002
	I		5-003
	II		5-004
	II		5-005
	II		5-006
	III		5-007
	III		5-008
	III		5-009
	I	Low	5-010
	I		5-011
	I		5-012
	II		5-013
	II		5-014
	II		5-015
	III		5-016
	III		5-017
	III		5-018
22	I	Standard	6-001
	I		6-002
	I		6-003
	II		6-004
	II		6-005
	II		6-006
	III		6-007
	III		6-008
	III		6-009
	I	Low	6-010
	I		6-011
	I		6-012
	II		6-013
	II		6-014
	II		6-015
	III		6-016
	III		6-017
	III		6-018

MIL-STD-1353B

2 July 1980

TABLE 401-III. Standard sockets, MIL-S-83734 type -Continued.

Number of contacts	Termination type	Profile	Part number M83734/
28 ↓	I	Standard ↓ Low ↓ Standard ↓ Low ↓ Standard ↓ Low ↓	7-001
	I		7-002
	I		7-003
	II		7-004
	II		7-005
	II		7-006
	III		7-007
	III		7-008
	III		7-009
	I		7-010
	I		7-011
	I		7-012
	II		7-013
	II		7-014
	II		7-015
	III		7-016
	III		7-017
	III		7-018
24 ↓	I		8-001
	I		8-002
	I		8-003
	II		8-004
	II		8-005
	II		8-006
	III		8-007
	III		8-008
	III		8-009
	I		8-010
	I		8-011
	I		8-012
	II		8-013
	II		8-014
	II		8-015
	III		8-016
	III		8-017
	III		8-018
36 ↓	I		9-001
	I		9-002
	I		9-003
	II		9-004
	II		9-005
	II		9-006
	III		9-007
	III		9-008
	III		9-009
	I		9-010
	I		9-011
	I		9-012
	II		9-013
	II		9-014
	II		9-015
	III		9-016
	III		9-017
	III		9-018

MIL-STD-1353B

2 July 1980

TABLE 401-III. Standard sockets, MIL-S-83734 type -Continued.

Number of contacts	Termination type	Profile	Part number M83734/
40	I	Standard	10-001
	I		10-002
	I		10-003
	II		10-004
	II		10-005
	II		10-006
	III		10-007
	III		10-008
	III		10-009
	I	Low	10-010
	I		10-011
	I		10-012
	II		10-013
	II		10-014
	II		10-015
	III		10-016
	III		10-017
	III		10-018
8	II		11-001
8	II		11-002
8	II		11-003
14	II		12-001
14	II		12-002
14	II		12-003
16	II		12-004
16	II		12-005
16	II		12-006
20	I	Standard	13-001
	I		13-002
	I		13-003
	II		13-004
	II		13-005
	II		13-006
	III		13-007
	III		13-008
	III		13-009
	I	Low	13-010
	I		13-011
	I		13-012
	II		13-013
	II		13-014
	II		13-015
	III		13-016
	III		13-017
	III		13-018
48	I	Standard	14-001
	I		14-002
	I		14-003
	II		14-004
	II		14-005
	II		14-006
	III		14-007
	III		14-008
	III		14-009

MIL-STD-1353B
2 July 1980

TABLE 401-III. Standard sockets, MIL-S-83734 type -Continued.

Number of contacts	Termination type	Profile	Part number M83734/
48	I	Low	14-010
↓	I	↓	14-011
	I		14-012
	II		14-013
	II		14-014
	II		14-015
	III		14-016
	III		14-017
64	III	Standard	14-018
↓	I	↓	15-001
	I		15-002
	I		15-003
	II		15-004
	II		15-005
	II		15-006
	III		15-007
	III		15-008
	III	Low	15-009
	I	↓	15-010
	I		15-011
	I		15-012
	II		15-013
	II		15-014
	II		15-015
	I		15-016
	I		15-017
↓	I	↓	15-018

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