

INCH - POUND

MIL-DTL-38999L
SUPPLEMENT 1
30 May 2008

DETAIL SPECIFICATION

CONNECTORS, ELECTRICAL CIRCULAR, MINIATURE, HIGH DENSITY, QUICK DISCONNECT
(BAYONET, THREADED AND BREECH COUPLING), ENVIRONMENT RESISTANT,
REMOVABLE CRIMP AND HERMETIC SOLDER CONTACTS, GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-DTL-38999L, dated 30 May 2008.

Series I, Scoop - proof connectors:

- MIL-DTL-38999/9 - Connectors, Electrical, Circular, Receptacle, Dummy Stowage, Bayonet Coupling, (MIL-C-27599 Series I, and MIL-DTL-38999 Series I).
- MS27466 - Connectors, Receptacle, Electrical, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I.
- MS27467 - Connectors, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling, Series I.
- MS27468 - Connectors, Receptacle, Electrical, Jam Nut Mounting, Crimp Type, Bayonet Coupling, Series I.
- MS27469 - Connectors, Receptacle, Electrical, Wall Mounting Flange, Solder Type, Hermetic Seal, Series I.
- MS27470 - Connectors, Receptacle, Electrical, Jam Nut Mounting, Solder Type, Hermetic Seal, Series I.
- MS27471 - Connectors, Receptacle, Electrical, Solder Mounting, Solder Type, Hermetic Seal, Series I.
- MS27496 - Connectors, Receptacle, Electrical, Box Mounting, Crimp Type, Bayonet Coupling, Series I.
- MS27505 - Connectors, Receptacle, Electrical, Back Panel, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series I.
- MS27515 - Connectors, Receptacle, Electrical, Crimp Type, Back Panel, Wall Mounting Flange, Series I, (Inactive / use MS27656).
- MS27652 - Connectors, Receptacle, Electrical, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I (Inactive / use MS27466).
- MS27653 - Connectors, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling, Series I, (Inactive / use MS27467).
- MS27654 - Connectors, Receptacle, Electrical, Back Panel, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I, (Inactive / use MS27656).
- MS27656 - Connectors, Receptacle, Electrical, Back Panel, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I.
- MS27661 - Connectors, Plug, Electrical, Crimp Type, Lanyard Release, Fail Safe, Series I.
- MS27662 - Connectors, Receptacle, Electrical, Thru-Bulkhead Mounting, Bayonet Coupling, Series I.

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Series II, low silhouette connectors:

MIL-DTL-38999/10	-	Connectors, Electrical, Circular, Receptacle, Dummy Stowage, Bayonet Coupling Flange, (MIL-C-27599 Series II, and MIL-DTL-38999 Series II)
MS27472	-	Connectors, Receptacle, Electrical Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series II.
MS27473	-	Connectors, Plug, Electrical Straight, Crimp Type, Bayonet Coupling, Series II.
MS27474	-	Connectors, Receptacle, Electrical, Jam Nut Mounting, Crimp Type, Bayonet Coupling, Series II.
MS27475	-	Connectors, Receptacle, Electrical, Wall Mounting Flange, Solder Type, Hermetic Seal, Series II.
MS27476	-	Connectors, Receptacle, Electrical, Box Mounting, Solder Type, Hermetic Seal, Series II.
MS27477	-	Connectors, Receptacle, Electrical Jam Nut Mounting, Solder Type, Hermetic Seal, Series II.
MS27478	-	Connectors, Receptacle, Electrical Solder Mounting, Solder Type, Hermetic Seal, Series II.
MS27479	-	Connectors, Receptacle, Electric, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series II.
MS27480	-	Connectors, Plug, Electric, Straight, Crimp Type, Bayonet Coupling, Series II.
MS27481	-	Connectors, Receptacle, Electric, Jam Nut Mounting, Crimp Type, Bayonet Coupling, Series II.
MS27484	-	Connectors, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling, EMI, Series II.
MS27497	-	Connectors, Receptacle, Electrical, Back Panel Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series II.
MS27499	-	Connectors, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.
MS27500	-	Connectors, Plug, Electrical, 90 Degree Elbow, Crimp Type, Bayonet Coupling, Series II.
MS27504	-	Connectors, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling Series II.
MS27508	-	Connectors, Receptacle, Electrical, Back Panel Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.
MS27513	-	Connectors, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.

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Series III, scoop-proof, environment resistant, triple start threaded coupling connectors:

- MIL-DTL-38999/20 - Connectors, Electrical, Circular, Receptacle, Threaded, Wall Mounting Flange, Removable Crimp Contacts, Series III, Metric.
- MIL-DTL-38999/21 - Connectors, Electrical, Circular, Threaded, Receptacle, Box Mounting Flange, Hermetic Solder Contacts, Series III, Metric.
- MIL-DTL-38999/22 - Connectors, Electrical, Circular, Receptacle, Threaded, Dummy Stowage, Series III, Metric.
- MIL-DTL-38999/23 - Connectors, Electrical, Circular, Threaded, Receptacle, Jam Nut Mounting, Hermetic, Hermetic Solder Contacts, Metric.
- MIL-DTL-38999/24 - Connectors, Electrical, Circular, Receptacle, Threaded, Jam Nut Mounting, Removable Crimp, Contacts, Series III, Metric.
- MIL-DTL-38999/25 - Connectors, Electrical, Circular, Threaded, Receptacle, Solder Mounting, Hermetic, Hermetic Solder Contacts, Series III, Metric.
- MIL-DTL-38999/26 - Connectors, Electrical, Circular, Plug, Straight, Removable Crimp Contacts, Metric.
- MIL-DTL-38999/27 - Connectors, Electrical, Circular, Threaded, Receptacle, Weld Mounting, Hermetic, Hermetic Solder Contacts, Series III, Metric.
- MIL-DTL-38999/29 - Connectors, Electrical, Circular, Threaded, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Pins, Series III, Metric.
- MIL-DTL-38999/30 - Connectors, Electrical, Circular, Threaded, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Sockets, Series III, Metric.
- MIL-DTL-38999/31 - Connectors, Electrical, Circular, Threaded, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Pins, Shell Size 25, Series III, Metric.
- MIL-DTL-38999/34 - Connectors, Receptacle, Electrical, Circular, Breakaway, Jam Nut Mounting, Removable Crimp Contacts, Sockets, Series III, Shell size 25, Metric.
- MIL-DTL-38999/35 - Connectors, Receptacle, Electrical, Circular, Breakaway Wall Mounting Flange, Removable Crimp Contacts, Sockets, Series III, Shell Size 25, Metric.
- MIL-DTL-38999/36 - Connectors, Electrical, Circular, Threaded, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Pins, Shell Size 25, Series III, Metric
- MIL-DTL-38999/60 - Connectors, Electrical, Plug, Circular, Threaded, Straight, Removable Crimp Contacts, Fiber Optic Termini, Tight Tolerance, Series III, Shell Size 25, Metric.
- MIL-DTL-38999/61 - Connectors, Electrical, Circular, Receptacle, Threaded, Wall Mounting Flange, Removable Crimp Contacts, Fiber Optic Termini, Tight Tolerance, Series III, Shell Size 25, Metric.

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Series IV, scoop-proof, environment resistant, breech coupling connectors:

MIL-DTL-38999/40	-	Connectors, Electrical, Circular, Receptacle, Wall Mounting Flange, Removable Crimp Contacts, Series IV, Metric.
MIL-DTL-38999/41	-	Connectors, Electrical, Circular, Receptacle, Box Mounting Flange, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
MIL-DTL-38999/42	-	Connectors, Electrical, Circular, Receptacle, Box, Mounting Flange, Breech Coupling, Removable Crimp Contacts, Series IV, Metric.
MIL-DTL-38999/43	-	Connectors, Electrical, Circular, Receptacle, Jam Nut Mounting, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
MIL-DTL-38999/44	-	Connectors, Electrical, Circular, Receptacle, Jam Nut Mounting, Breech Coupling Removable Crimp Contacts, Series IV, Metric.
MIL-DTL-38999/45	-	Connectors, Electrical, Circular, Receptacle, Solder Mounting, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
MIL-DTL-38999/46	-	Connectors, Electrical, Circular, Plug, Breech Coupling, EMI Grounding, Removable Crimp Contacts, Series IV, Metric.
MIL-DTL-38999/47	-	Connectors, Electrical, Circular, Plug, Breech Coupling, Removable Crimp, Contacts, Series IV, Metric.
MIL-DTL-38999/48	-	Connectors, Electrical, Circular, Receptacle, Weld Mounting, Hermetic, Breech Coupling, Hermetic Solder Contacts, Series IV, Metric.
MIL-DTL-38999/49	-	Connectors, Electrical, Circular, Receptacle, In Line Cable, Breech Coupling, Removable Crimp Contacts, Series IV, Metric.
MIL-DTL-38999/50	-	Connectors, Electrical, Circular, Receptacle, Dummy Stowage, Breech Coupling, Series IV, Metric.

CONNECTOR ACCESSORIES

Series I and II:

MS27342	-	Connectors, Adapter, Electrical, Series I and II.
MS27487	-	Connectors, Adapter, Electrical, Threaded, Kit, Straight and 90 Degrees, EMR Hardware, Series I and II.
MS27489	-	Connectors, Adapter, Electrical, Reducer, EMR Hardware, Series I and II.
MS27501	-	Connectors, Electrical, Circular, Cover, Protective, Plug, Bayonet Coupling, Series I.
MS27502	-	Connectors, Electrical, Circular, Cover, Protective, Receptacle, Bayonet Coupling, Series I.
MS27510	-	Cover, Protective, Electrical Connector Plug, Bayonet Coupling, Series II.
MS27511	-	Cover, Electrical Connector, Protective, Receptacle, Bayonet Coupling, Series II.
MS27512	-	Nut, Hexagon, Connector Mounting, Series II.

Series III and IV:

MIL-DTL-38999/28	-	Connectors, Electrical, Circular, Nut, Hexagon, Connector Mounting, Series II and IV, Metric.
MIL-DTL-38999/32	-	Connectors, Electrical, Circular, Cover, Protective, Plug, Series III, Metric.
MIL-DTL-38999/33	-	Connectors, Electrical, Circular, Cover, Protective, Receptacle, Series III, Metric.
MIL-DTL-38999/51	-	Connector, Electrical Circular, Cover, Protective, Plug, MIL-DTL-38999 Series IV.
MIL-DTL-38999/52	-	Connector, Electrical Circular, Cover, Protective, Receptacle, MIL-DTL-38999 Series IV.

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CROSS-REFERENCE

Cross-Reference of Superseded Documents

Superseded document	Superseded by	Superseded document	Superseded by
MS27482	MS27474	MS27669	SAE-AS85049/57
MS27483	MS27477	MS27670	SAE-AS85049/63
MS27485	SAE-AS85049/58	MIL-C-38999/1	SAE-AS85049/27
MS28486	SAE-AS85049/75	MIL-C-38999/2	SAE-AS85049/62
MS27498	MS27467	MIL-C-38999/3	SAE-AS85049/33
MS27506	SAE-AS85049/49	MIL-C-38999/4	SAE-AS85049/30
MS27507	SAE-AS85049/47	MIL-C-38999/5	SAE-AS85049/17
MS27663	SAE-AS85049/45, /46	MIL-C-38999/6	SAE-AS85049/29
MS27664	MS27499	MIL-C-38999/7	SAE-AS85049/36
MS27667	-----	MIL-C-38999/8	SAE-AS85049/60
MS27668	SAE-AS85049/56	-----	-----

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - AS
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-2007-136)

Review activities:

Army - AR, MI
Navy - EC, MC, OS
Air Force - 19, 99
DLA - IS

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.