

INCH-POUND

MIL-C-38999J
SUPPLEMENT 1
20 June 1990

MILITARY SPECIFICATION

CONNECTOR, 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-C-38999J, dated 6 April 1980.

MS STANDARDS

Series I, Scoop-proof connectors:

- MS27466 - Connector, Receptacle, Electrical, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I.
- MS27467 - Connector, Receptacle, Electrical, Straight Crimp Type Bayonet Coupling, Series I.
- MS27468 - Connector, Receptacle, Electrical, Jam-Nut Mounting, Crimp Type, Bayonet Coupling, Series I.
- MS27469 - Connector, Receptacle, Electrical, Wall Mounting Flange, Solder Type, Hermetic Seal, Series I.
- MS27470 - Connector, Receptacle, Electrical, Jar-Nut Mounting, Solder Type, Hermetic Seal, Series I.
- MS27471 - Connector, Receptacle, Electrical, Solder Mounting, Solder Type, hermetic Seal, Series I.
- MS27496 - Connector, Receptacle, Electrical, Box Mounting, Crimp Type, Bayonet Coupling, Series I.
- MS27505 - Connector, Receptacle, Electrical, Back Panel, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series I.
- MS27515 - Connector, Receptacle, Electrical, Crimp Type, Back Panel Wall Mounting Flange, Bayonet Coupling, Series I. (Inactive/use MS27656)
- MS27652(USAF) - Connector, Receptacle, Electrical, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I. (Inactive/use MS27466)
- MS27653(USAF) - Connector, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling, Series I. (Inactive/use MS27467)
- MS27654 - Connector, Receptacle, Electrical, Back Panel Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I. (Inactive/use MS27505)
- MS27655 - Connector, Receptacle, Electrical, Back Panel Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series I.
- MS27661 - Connector, Plug, Electrical, Crimp Type, Lanyard Release, Fail-Safe, Series I.
- MS27662 - Connector, Receptacle, Electrical, Thru-Bulkhead Mounting, Bayonet Coupling, Series I.

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SPECIFICATION SHEETS

Series I, Scoop-proof connectors

MIL-C-38999/9 - Connector, Electrical, Circular, Receptacle, Dummy Stowage, Bayonet Coupling, (MIL-C-27599 Series I, and MIL-C-38999 Series I)

Series II, Low silhouette connectors:

MS27472 - Connector, Receptacle, Electrical, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series II.

MS27473 - Connector, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling, Series II.

MS27474 - Connector, Receptacle, Electrical, Jam-Nut Mounting, Crimp Type, Bayonet Coupling, Series II.

MS27475 - Connector, Receptacle, Electrical, Wall Mounting Flange, Solder Type, Hermetic Seal, Series II.

MS27476 - Connector, Receptacle, Electrical, Box Mounting, Solder Type, Hermetic Seal, Series II.

MS27477 - Connector, Receptacle, Electrical, Jam-Nut Mounting, Solder Type, Hermetic Seal, Series II.

MS27478 - Connector, Receptacle, Electrical, Solder Mounting, Solder Type, Hermetic Seal, Series II.

MS27479(USAF) - Connector, Receptacle, Electric, Wall Mounting Flange, Crimp Type, Bayonet Coupling, Series II. (Inactive/use MS27472)

MS27480 - Connector, Plug, Electric, Straight, Crimp Type, Bayonet Coupling, Series II. (Inactive use MS27473)

MS27481(USAF) - Connector, Receptacle, Electric, Jam-Nut Mounting, Crimp Type, Bayonet Coupling, Series II. (Inactive use MS27474)

MS27484 - Connector, Plug, Electrical, Straight, Crimp Type, Bayonet Coupling, Series II.

MS27487 - Connector, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.

MS27499 - Connector, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.

MS27500 - Connector, Plug, Electrical, 90 Degree Elbow, Crimp Type, Bayonet Coupling, Series II. (Inactive use MS27473)

MS27501(USAF) - Connector, Receptacle, Electrical, Solder Mounting, Solder Type, Hermetic seal, Series II. (Inactive use MS27475)

MS27504(USAF) - Connector, Receptacle, Electric, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II. (Inactive, use MS27499)

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Series II, Low silhouette connectors - Continued:

- MS27508 - Connector, Receptacle, Electrical, Back Panel Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.
- MS27513 - Connector, Receptacle, Electrical, Box Mounting Flange, Crimp Type, Bayonet Coupling, Series II.

SPECIFICATION SHEET

Series II, Low silhouette connectors:

- MIL-C-38999/10 - Connector, Receptacle, Electrical, Circular, Receptacle, Dummy Stowage, Bayonet Coupling, (MIL-C-27599 Series II, and MIL-C-38999 Series II).

SPECIFICATION SHEETS

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

- MIL-C-38999/20 - Connectors, Electrical, Circular, Receptacle, Wall Mounting Flange, Removable Crimp Contacts, Metric.
- DOD-C-38999/21 - Connectors, Electrical, Circular, Receptacle, Box Mounting Flange, Hermetic Solder contacts, Metric.
- MIL-C-38999/22 - Connectors, Electrical, Receptacle, Dummy Stowage, Metric.
- DOD-C-38999/23 - Connectors, Electrical, Circular, Receptacle, Jam-Nut Mounting, Hermetic Solder Contacts, Metric.
- MIL-C-38999/24 - Connectors, Electrical, Circular, Receptacle, Jam-Nut Mounting, Removable Crimp Contacts, Metric.
- DOD-C-38999/25 - Connectors, Electrical, Circular, Receptacle, Solder Mounting, Hermetic Solder Contacts, Metric.
- MIL-C-38999/26 - Connectors, Electrical, Circular, Plug, Straight, Removable Crimp Contacts, Metric.
- DOD-C-38999/27 - Connectors, Electrical, Circular, Receptacle, Weld Mounting, Hermetic Solder Contacts, Metric.
- DOD-C-38999/29 - Connectors, Electrical, Circular, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Pins, Metric.
- DOD-C-38999/30 - Connectors, Electrical, Circular, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Sockets, Metric.
- DOD-C-38999/31 - Connectors, Electrical, Circular, Plug, Lanyard Release, Fail-Safe, Removable Crimp Contacts, Pins, Shell size 25, For MII-STD-1760 Applications, Metric.

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

- MIL-C-38999/34(USAF) - Connectors, Electrical, Circular, Receptacle, Breakaway, Jam-Nut Mounting Removable Crimp Socket Contacts, Shell size 25, Metric.
- MIL-C-38999/35(USAF) - Connectors, Electrical, Circular, Receptacle, Breakaway, Wall Mounting Flange, Removable Crimp Socket Contacts, Shell Size 25, Metric.

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

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

CONNECTOR ACCESSORIES

Series I and II.

- MS27342 - Adapter, Electrical Connector, Series I and II.
- MS27487 - Kit, Straight and 90 Degree Threaded Adapter, EMR Hardware for MIL-C-38999 Connectors.
- MS27489 - Adapter, Reducer, EMR Hardware for MIL-C-38999 Connectors.
- MS27501 - Cover, Protective, Electrical Connector Plug, Pavonet Coupling, Series I.

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CONNECTOR ACCESSORIES

Series I and II - Continued:

- MS27502 - Cover, Protective, Electrical Connector Receptacle, Bayonet Coupling, Series I.
 MS27510 - Cover, Protective, Electrical Connector Plug, Bayonet Coupling, Series II.
 MS27511 - Cover, Protective, Electrical Connector Receptacle, Bayonet Coupling, Series II.
 MS27512 - Nut, Hexagon, Connector Mounting, Series II.
 MS27514 - Nut, Slotted, Hexagon, Connector Mounting, Series I.

Series III and IV :

- MIL-C-38999/8 - Backshell, RFI/EMI, Split 90.
 MIL-C-38999/28 - Connectors, Electrical, Nut, Hexagon, Connector Mounting, Metric.
 MIL-C-38999/32 - Connectors, Electrical, Cover, Protective, Plug, Metric.
 MIL-C-38999/33 - Connectors, Electrical, Cover, Protective, Receptacle, Metric.

APPLICABLE CONTACTS FOR MIL-C-38999 CONNECTORS

Series I, II, III, and IV.

MIL-C-39029

	Power	Shielded/Coax	Twinax	Thermocouple	Wirewrap
Pin	/58, /107 1/	/28, /60 /76, /102	/90	/87	/71
Socket	/56, /57 /106 1/	/27, /59, /75, /77, /78, /103	/91	85, /89	/72

1/ 1500 cycles durability contacts.

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CROSS-REFERENCE

cross-reference of superseded document.

Superseded document	Superseded by	Superseded document	Superseded by
MS27482(USAF)	MS27474	MS27669	MIL-C-85049/57
MS27483(USAF)	MS27477	MS27670	MIL-C-85049/63
MS27485	MIL-C-85049/58	MIL-C-38999/1	MIL-C-85049/27
MS27486	MIL-C-85049/75	MIL-C-38999/2	MIL-C-85049/62
MS27498	MS27467	MIL-C-35999/3	MIL-C-55049/33
MS27506	MIL-C-85049/49	MIL-C-38999/4	MIL-C-85049/30
MS27507	MIL-C-85049/47	MIL-C-38999/5	MIL-C-85049/17
MS27663	MIL-C-85049/45, /46	MIL-C-38999/6	MIL-C-85049/29
MS27664	MS27499	MIL-C-38999/7	MIL-C-55049/36
MS27667	-----	MIL-C-38999/8	MIL-C-85049/60
MS27668	MIL-C-85049/56		

CONCLUDING MATERIAL

Preparing activity:
Air Force - 85Agent:
DLA-ES

(Project 5935-3753)