

INCH-POUND

MIL-DTL-83723G
SUPPLEMENT 1
7 December 2009

DETAIL SPECIFICATION

CONNECTORS, ELECTRICAL, (CIRCULAR, ENVIRONMENT RESISTING),
RECEPTACLES AND PLUGS, GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-DTL-83723G, dated 7 December 2009.

SPECIFICATION SHEETS

Series I: CANCELED: See current revisions of MIL-DTL-26482 and MIL-DTL-83723, section 6, for replacement listings.

Series II: INACTIVE FOR NEW DESIGN: Connectors, Threaded Coupling, Intermateable with MIL-DTL-5015 (see section 6 of current revision of MIL-DTL-83723 for superseding military specification sheets and military standards.)

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|------------------|---|---|
| MIL-C-83723/17 | - | Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Cable Connecting, Threaded Coupling, Crimp Socket Contacts) (Series II, Classes A, G, and R). |
| MIL-C-83723/18 | - | Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Cable Connecting, Threaded Coupling, Crimp Pin Contacts), (Series II, Classes A, G, and R). |
| MIL-C-83723/19 | - | Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Wall Mount, Threaded Coupling, Crimp Socket Contacts), (Series II, Classes A, G, K, and R). |
| MIL-C-83723/20 | - | Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Wall Mount, Threaded Coupling, Crimp Pin Contacts), (Series II Classes A, G, K, and R). |
| MIL-C-83723/21 | - | Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Box Mount, Threaded Coupling, Crimp Socket Contacts), (Series II, Classes A, G, and R). |
| MIL-C-83723/22 | - | Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Box Mount, Threaded Coupling, Crimp Pin Contacts), (Series II, Classes A, G, and R). |
| MIL-DTL-83723/23 | - | Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Crimp Socket Contacts), (Series II, Classes A, G, K, and R). |

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- MIL-C-83723/24 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Crimp Pin Contacts), (Series II, Classes A, G, K, and R).
- MIL-DTL-83723/37 - Connector, Electrical, (Circular, Environment Resisting), Plug, (Bayonet Coupling, Prewired, Socket Contact), (Series I, Classes A, G and R), (Shell Size 8 for Inserts 8-2, 8-3, and 8-4 only).

Series III, CONNECTORS, BAYONET AND THREADED, INTERMATEABLE WITH MIL-DTL-26500

- MIL-DTL-83723/65 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Bayonet Coupling, Solder Pin Contact), (Series III, Class H).
- MIL-DTL-83723/66 - Connectors, Electrical, (Circular, Environment Resisting), Plug, Threaded Coupling, (Push - Pull, Quick-Disconnect Without Lanyard), Crimp Pin Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/67 - Connectors, Electrical, (Circular, Environment Resisting), Plug, Threaded Coupling, (Push - Pull, Quick Disconnect Without Lanyard), Crimp Socket Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/68 - Connectors, Electrical, (Circular, Environment Resisting), Plug, Threaded Coupling, (Push - Pull, Quick Disconnect With Lanyard, Crimp Pin Contact), (Series III Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/69 - Connectors, Electrical, (Circular, Environment Resisting), Plug, Threaded Coupling, (Push - Pull, Quick Disconnect With Lanyard), Crimp Socket Contact, Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/70 - Connectors, Electrical, (Circular, Environment Resisting) Receptacle Adapter, (Push - Pull), Quick Disconnect, Series III, Classes A, G, M, R, T, W and Z.
- MIL-DTL-83723/71 - Connectors, Electrical, (Circular, Environment Resisting) Receptacle, (Flange Mount, Bayonet Coupling, Crimp Socket Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/72 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Flange Mount, Bayonet Coupling, Crimp Pin Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/73 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Bayonet Coupling, Crimp Socket Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/74 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Bayonet Coupling, Crimp Pin Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/75 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Bayonet Coupling, Crimp Socket Contact), (Series III, Classes A, G, K, M, R, T, W and Z).
- MIL-DTL-83723/76 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Bayonet Coupling, Crimp Pin Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/77 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (RFI, Bayonet Coupling, Crimp Socket Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/78 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (RFI, Bayonet Coupling, Crimp Pin Contact), (Series III, Classes A, G, M, R, T, W and Z).
- MIL-DTL-83723/79 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Flange Mount, Bayonet Coupling, Solder Pin Contact), (Series III, Classes H and Y).
- MIL-DTL-83723/80 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Solder Flange Mount, Bayonet Coupling, Solder Pin Contact), (Series III, Classes H and Y).

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- MIL-DTL-83723/81 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Bayonet Coupling, Solder Pin Contact), (Series III, Classes H and Y).
- MIL-DTL-83723/82 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Flange Mount, Threaded Coupling, Crimp Socket Contact), (Series III, Classes A, G, K, M, N, R, T, W and Z).
- MIL-DTL-83723/83 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Flange Mount, Threaded Coupling, Crimp Pin Contact), (Series III, Classes A, G, K, M, N, R, S, T, W and Z).
- MIL-DTL-83723/84 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Threaded Coupling, Crimp Socket Contact), (Series III, Classes A, G, K, M, N, R, S, T, W and Z).
- MIL-DTL-83723/85 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Threaded Coupling, Crimp Pin Contact), (Series III, Classes A, G, K, M, N, R, S, T, W and Z).
- MIL-DTL-83723/86 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Crimp Socket Contact), (Series III, Classes A, G, K, R, and W).
- MIL-DTL-83723/87 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Crimp Pin Contact), (Series III, Classes A, G, K, M, R, T, W and Z).
- MIL-DTL-83723/88 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Flange Mount, Threaded Coupling, Solder Pin Contact), (Series III, Classes H, N, and Y). (INACTIVE FOR NEW DESIGN)
- MIL-DTL-83723/89 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Single Hole Mount, Threaded Coupling, Solder Pin Contact), (Series III, Classes H, N, and Y).
- MIL-DTL-83723/90 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Solder Flange Mount, Threaded Coupling, Solder Pin Contact), (Series III, Classes H, N, and Y).
- MIL-DTL-83723/91 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (RFI, Threaded Coupling, Crimp Socket Contact), (Series III, Classes G, M, R, T, W and Z).
- MIL-DTL-83723/92 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (RFI, Threaded Coupling, Crimp Pin Contact), (Series III, Classes G, M, R, T, W and Z).
- MIL-DTL-83723/93 - Connectors, Electrical, (Circular, Environment Resisting), Receptacle, (Solder Flange Mount, Bayonet Coupling, Straight Pin Contact), (Series III, Classes H and Y).
- MIL-DTL-83723/94 - Connectors, Electrical, (Circular, Environment Resisting) Receptacle, (Single Hole Mount, Bayonet Coupling, Straight Pin Contact), (Series III, Classes H and Y).
- MIL-DTL-83723/95 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Self-Locking, Crimp Socket Contact), (Series III, Classes A, G, K, M, R, T, W and Z).
- MIL-DTL-83723/96 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Self-Locking, Crimp Pin Contact), (Series III, Classes A, G, K, M, R, T, W and Z).
- MIL-C-83723/97 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Self-Locking, RFI Grounding, Crimp Socket Contacts), (Series III, Classes N and S Firewall).
- MIL-C-83723/98 - Connectors, Electrical, (Circular, Environment Resisting), Plug, (Threaded Coupling, Self-Locking, RFI Grounding, Crimp Pin Contacts), (Series III, Classes N and S Firewall).

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CONNECTOR ACCESSORIES

SERIES II

- MIL-DTL-83723/27 - Connectors, Electrical, Backshell, with Heat-Shrinkable Strain-Relief Boot, (Straight and Right Angle), Threaded Coupling, Series II. (INACTIVE FOR NEW DESIGN)
- MIL-DTL-83723/35 - Connectors, Electrical, Backshell, Straight w/o Strain Relief, and with Mechanical Strain Relief, Straight or Right Angle, Threaded Coupling, Series II. (INACTIVE FOR NEW DESIGN)
- MIL-DTL-83723/50 - Connectors, Electrical, Circular, Environment Resisting, Backshell, Straight, 90 and 45 Degrees, with Dielectric Strain Relief, For Series II Connectors. (INACTIVE FOR NEW DESIGN)

SERIES III

- MIL-C-83723/16 - Connector, Electric, Backshell, With Heat-Shrinkable Strain-Relief Boot, (Straight or Right Angle), Bayonet-Coupling Series.
- MIL-DTL-83723/59 - Connectors, Electrical, (Circular, Environment Resisting), Protective Covers, Plug, (For MIL-DTL-26500 and MIL-DTL-83723, Series III, Classes A, M, R, T, W and Z).
- MIL-DTL-83723/60 - Connectors, Electrical, (Circular, Environment Resisting), Protective Covers, Receptacle, (For MIL-DTL-26500 and MIL-DTL-83723, Series III, Classes A, M, R, T, W and Z).
- MIL-DTL-83723/61 - Connectors, Electrical, (Circular, Environment Resisting), Dummy Connector, Receptacle, (For MIL-DTL-26500 and MIL-DTL-83723, Series III, Classes A, M, R, T, W and Z).

APPLICABLE CONTACTS FOR MIL-DTL-83723 CONNECTORS

SERIES I, II, and III

| | Power | Shielded/Coax | Thermocouple |
|--------|--------------------|--------------------|---------------------|
| Pin | SAE-AS39029/4, /29 | SAE-AS39029/7, /74 | SAE-AS39029/9, /85 |
| Socket | SAE-AS39029/5, /30 | SAE-AS39029/8, /73 | SAE-AS39029/10, /86 |

CONCLUDING MATERIAL

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

Preparing activity:
 DLA - CC
 (Project 5935-2008-173)

Review activities:
 Army - AR, AV, MI
 Navy - EC, OS
 Air Force - 19, 99

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 <https://assist.daps.dla.mil>.