

Attachment No. 5



Fact Sheet

SAE Technical Sub-Committee AE-8C1 Connectors

Chairperson: Bobby Crumb, Lockheed Martin Aeronautics

Vice Chairperson: Norman Hug, Consultant F/O & Electric Company Intl.

The **SAE AE-8C1** Connectors sub-committee addresses all facets of aerospace electrical/electronic connectors—design, test, maintenance, and in-service experience. The group is dedicated to creating, preparing, and maintaining all relevant specifications, standards, and requirements for connectors. The Electrical/Optical Connector sub-committee serves as a forum for standards development in the areas of electrical/optical connector system design, testing, installation, and maintenance. These system types are made up of components such as backshells, contacts, fiber optics termini, and tools.

Participants in the SAE AE-8C1 sub-committee include OEMs, airframe manufacturers, airline and other aircraft operators, systems suppliers, the military, NASA, government agencies (e.g., the FAA and CAA), component manufacturers, and consulting firms

Standards development/revision activities

The SAE AE-8C1 sub-committee has more than 50 standards projects under way. Several of these projects include:

- AIR1329B Electrical Connectors and Wiring, Compatibility Of
- AS13441A Test Methods for Electrical Connectors
- AS16511 Insert Arrangements for MIL-C-5015, MIL-C-22992 (Classes C, J, and R), and MIL C-83723 (Series II) Electrical Connectors
- AS25486 A1 Connector, Plug, Attachable, External Electric Power, Aircraft, 115/200 Volt, 400 Hertz
- AS30131 Connector, Receptacle, Electric, Potting Seal, Solder Contacts, AN Type
- AS31391 Connector, Receptacle, Electric Thru Bulkhead, Wall Mounting Flange, Series 1 (Class E)
- AS31831 Cover, Protective, Electric Connector, Receptacle, Push-Pull Coupling
- AS34241 Connector, Receptacle, Electric, Crimp Type, Wall Mounting Flange, Push-Pull Coupling, Series 3 (Class L and E)
- AS34641 Connector, Receptacle, Electric, Crimp Type, Jam Nut Mounting, Push-Pull Coupling, Series 3 (Class L and E)
- AS39029/90A Contact, Electrical Connector, Concentric-Twinax, Pin, Shielded, Size 8
- AS39029/91A Contact, Electrical Connector, Concentric-Twinax, Socket, Shielded, Size 8
- AS5261 Contact Wire Barrel, Crimp Type
- AS5590/1 Connector, Fiber Optic, Circular, Environment Resistant, Removable Termini
- AS5590/2 Fiber Optic Termini/Circular Configuration
- AS85048/1 Connector, Electric, Rectangular, Individual Contact Sealing, Polarized Center Jackscrew, Plug, Crimp Removable Pin Contacts, Class E
- AS895049/103A Connectors, Accessories, Composite, RFI/EMI, Electrical, Strain Relief, Straight, Self-Locking, Category 3C (For MIL-DTL-38999 Series III and IV Connectors)

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- AS85049/109A Connector Accessories, Electrical Backshell, Straight, Non-Self Locking and Self Locking, Pre-Attached Shield Termination (Rfi/Emi), Boot Accommodation, Category 3b (For Mil-Dtl-83723 Series Iii, Mil Dtl 5015 (Series I & Ii), AS81703 Series Iii, and Mil-C-26482 Series Ii Connectors)
- AS85049/10A Connector Accessories, Electrical, Backshell, Environmental, Cable Sealing, Straight, Shield Termination, Category 1a (For Mil-C-5015 Crimp, Mil-C-26482 Series 2, Mil-C-81703 Series 3, and Mil-C-83723 Series Iii Connectors)
- AS85049/111A Connector Accessories, Electrical Backshell, 90 Degree, Self Locking and Non-Self Locking, Pre-Attached Shield Termination (Rfi/Emi), Boot Accommodation, Category 3b (For Mil-Dtl-83723 Series Iii, Mil-Dtl-5015 (Series I & Ii), AS81703 Series Iii, and Mil-C-26482 Series Ii Connectors)
- AS85049/112A Connector Accessories, Electrical Backshell, Straight, Self Locking and Non-Self Locking, Pre-Attached Shield Termination (Rfi/Emi), Boot Accommodation, Category 3b (For Mil-Dtl-38999 Series I and Ii Connectors)
- AS85049/114A Connector Accessories, Electrical Backshell, 90 Degree, Self Locking and Non-Self Locking, Pre-Attached Shield Termination (Rfi/Emi), Boot Accommodation, Category 3b (For Mil-Dtl-38999 Series I and Ii Connectors)
- AS85049/115A Connector Accessories, Electrical Backshell, Straight, Self Locking and Non-Self Locking, Pre-Attached Shield Termination (Rfi/Emi), Boot Accommodation, Category 3b (For Mil-Dtl-38999 Series Ii and Iv Connectors)

Recently published documents

The SAE AE-8C1 sub-committee has published more than 100 documents in 2004. Those most recently published include:

- AS85049/58A Connector Accessories, Electrical, Ring, Potting Boot, Category 5 (MIL-C-38999 Series I and II Connectors)
- AS85049/92A Connector Accessories, Composite Electrical, Strain Relief, 90 Degree, Self-Locking, Category 4C (For MIL-C-38999 Series III and IV Connectors)
- AS34451 Connector, Plug, Electric, Crimp Type, Rack and Panel, Series 2 (Class E)
- AS85049/45A Connector Accessories, Electrical, Strain Relief, Straight, Nonmetallic, Category 4c (For Mil-C-27599 Series I and Mil-C-38999 Series I and II Connectors)
- AS85028 Connector, Electrical, Rectangular, Individual Contact Sealing, Polarized Center Jackscrew, Plug, Crimp Removable Pin Contacts, Class E
- AS85731/2 Fastener, Electronic Equipment, Positive Self-Locking, Force Limiting
- AS50151 Connectors, Electrical, Circular Threaded, An Type, General Specification For
- AS85731/1 Fastener, Electronic Equipment, Positive Self-Locking
- AS85731 Fastener, Positive Locking, Electronic Equipment, General Specification For
- AS81659 Connectors, Electrical, Rectangular Crimp Contacts, General Specification For
- AS31471 Connector, Plug, Electric, Crimp Type, Push-Pull Coupling, Series 2 (Class E and J)
- AS34671 Connector, Plug, Electric, Crimp Type, Push-Pull Coupling, Series 3 (Class L and E)

**One world. One standard.
One extraordinary opportunity.**

See for yourself the SAE standardization process in action at these upcoming meetings of the **AE-8C1 Sub-Committee Meeting:**

October 20-22, 2004
Reno, NV

May 4-6, 2005
New Orleans, LA

For more information or to participate on an AE-8C1 Sub-Committee, contact:

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