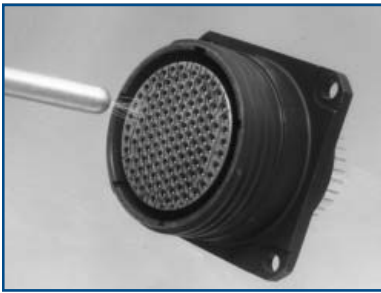


Filter Connectors with ESD Protection

Reference Product Data Sheet # 171.



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
Filter connectors with added feature of protection from Electrostatic Discharge (ESD). Utilizes the Faraday Cage principal to shunt electrostatic discharge events to the conductive enclosure on which the connector is mounted, thus protecting the contacts from the high voltage. Uses MIL-DTL-38999 Series III receptacles.	Exceeds protection requirements of IEC 801-2 and MIL-STD-1686.	MIL-DTL-38999 connector threaded coupling. The filter connector with ESD feature eliminates the need for discrete components such as diodes. Do not require special mounting or terminating techniques.	Crimp, solder, PCB tail, or wire wrap termination.	Ensures that all components within a conductive enclosure will be subjected to a max. of 10V during electrostatic discharges between -26 KV and +26 KV. Response time is instantaneous. Maximum ESD voltage tested to ± 26 KV. No capacitive loading.

OPTIONAL FEATURES

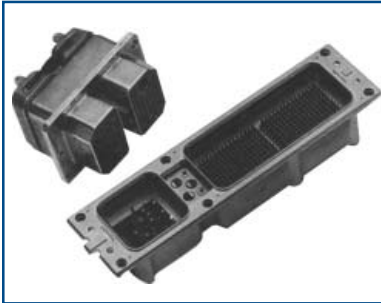
- ESD protection is currently available in MIL-DTL-38999 Series III connectors. (Also see ESD protection in LRM Surface Mount Rectangular connectors. Consult Amphenol for further availability.)

MARKETS

- Military Aerospace
- Military Vehicles
- Communications
- Commercial Aircraft
- Medical Equipment

ARINC Filtered Connectors

Reference Amphenol Canada Brochure 485



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
485 Series Filtered ARINC 404 and 600 rack and panel connectors designed to provide space and cost-effective solutions to EMC compliance issues in avionics products. Incorporates planar capacitor array technology.	Qualified to requirements of ARINC 600-9 and MIL-C-81659. Used on Boeing, McDonnell Douglas and Airbus avionics equipment.	Rack and panel mounting.	Crimp, solder, PCB tail or wire wrap termination.	Operating temp. from -65°C to +125°C. Designed to RTCA/D0-160. Meet environmental requirements of ARINC 600 and MIL-C-81659. Typically 200VAC working/ 500VDC DWV.

OPTIONAL FEATURES

- ARINC 600 has 4 shell size configurations, including a MIL-C-83527 style.
- ARINC 404/MIL-C-81659 has 4 shell size configurations.
- Aluminum alloy shell with electroless nickel or cadmium finish.
- Other diode and MOV termination module designs are offered.

MARKETS

- Military Aerospace
- Commercial Aircraft

MIL-DTL-24308 Filtered D-Sub Connectors

Reference Amphenol Canada Brochure 308



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
308 Series Filtered D-Sub connectors for aerospace and commercial EMI requirements. Incorporates planar capacitor technology.	Qualified to requirements of MIL-DTL-24308.	Rack and panel mounting.	Solder, PCB tail or wire wrap termination.	Operating temp. from -65°C to +125°C. Meets performance requirements of MIL-DTL-24308.

OPTIONAL FEATURES

- Optional D-Sub programmable style, EMI grounded style.
- Aluminum alloy shell with a variety of finishes available.

Also see Micro D-Sub MIL-DTL-83513 Rack and Panel Connectors on pg. 58.

MARKETS

- Military Aerospace
- Commercial Aircraft
- Military Vehicles
- Satellites and Missiles
- Industrial
- Communications
- Medical Equipment