



Mil-Con Audio Connectors

Product Description



Mil-Con's 5 and 6-pin audio connectors include both filtered and non-filtered versions in a variety of wire and printed circuit board terminations. Mil-Con's innovative engineering has brought new technology to this existing connector segment and has developed many special and custom connector products for higher pin-count, higher density, size-reduced, and custom applications.

Features

- Polarized mating.
- Simple and quick coupling (spring-loaded contacts).
- Offered in filtered and non-filtered versions (Pi and C type configurations).
- Custom designs to meet specific electrical, mechanical, and environmental requirements.
- Meet MIL-DTL-55116 standards.
- Accessories: dust caps available. Backshells: available for 19 and 27 position connectors.

Applications

- Military, airborne, and naval communications.
- Ground based communications.
- Security equipment.
- Test systems.
- Industrial devices.
- Medical instruments.

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Mil-Con, Inc.

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Materials and Finishes

Shell and Panel Nut: Stainless Steel (Class 303 Per ASTM-A-582) Or Nylon Overmolded Stainless Steel (M55116 Plugs) Per ASTM-A-582, Class 303.

Insulator: Diallyl Phthalate Per Mil-M-14, Type MDG.

Contacts And Terminals: Copper Alloy Per ASTM-B-16.

Strain Relief: Stainless Steel Per ASTM-A-313.

Adapter Nut And Stud: Aluminum Alloy Per QQ-A-225.

Shell And Panel Nut: Passivated, Sand Blasted, Or Black (M55116 Plugs).

Adapter Nut and Stud: Black Anodizing Per Mil-A-8625.

Strain Relief: Black Oxide Per Mil-C-13924.

Contacts And Terminals: .000030 Gold Per Mil-G-45204, Type 1, Class 0; Over Nickel Per QQ-N-290.

Insulator: Blue.

Configuration

Front And Rear Panel Mount, Flange Mount, And Cable Mount.

Solder Cup, Barrel Cup, And PC Tails.

High Density (19 And 27-Pin Configurations) Available.

Electrical

Operating Voltage: 60 Volts Maximum Potential.

Dielectric Withstanding Voltage: 500 Volts RMS.

Insulation Resistance: 1,000 Megohms Minimum.

Current Rating: 0.5 Amp Maximum.

Contact Resistance (Mated): 0.05 Ohm Maximum.

Environmental

Air Pressure: 2.5 P.S.I.

Water Immersion: 48 Hours At 6 Feet.

Operating Temperature Range: -67° F to +185° F (-55° C to +85° C).

Durability: 3,000 Cycles.



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