



Phoenix Pi Filtered D-Sub Connectors

- Excellent performance up to 10 GHz

Product Description



Phoenix's Pi Filtered D-Subminiature Connectors provide an excellent method for electronic system interface and EMI/RFI filtering. Eliminating both conducted and radiated EMI/RFI; Pi Filtered D-Subs reduce cost and labor. Consult factory for additional configuration options such as: 3W3, 5W5, 8W8, and for capacitance values. Custom designs can also be supplied.

Features

- Ideal for high-speed digital enclosure applications.
- Able to withstand high temperature reflow solder process.
- Right angle PC mount.
- Manufactured to Mil-Std-220.

Applications

- Telecommunications.
- Medical (non MRI uses).
- Aerospace.
- Commercial.
- Test systems.
- Industrial.

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The Phoenix Company of Chicago and its affiliates have manufacturing facilities in the United States, Mexico, and China.



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Materials

Front Shell: Steel.

Back Shell: Die Cast Zinc.

Insulator: Glass Filled Thermoplastic, UL 94 V-0.

Contact Material (Receptacle): Phosphor Bronze, Per UNS C54400 Boillat Alloy BZ4 Or Phosphor Bronze, Composition B, Per ASTM-B-16.

Plug: Brass Per ASTM-B-16.

Finishes

Front Shell: Tin Plated.

Back Shell: Nickel.

Insulator: Black.

Contact: Gold Type II, Grade C, Class 0 (.000030 Min.) Per Mil-G-45204, Over Nickel, Class 1, Grade G (.001/.0002) Per QQ-N-290.

Mating Characteristics

Maximum Individual Engagement Force: 18 oz. (Using Maximum Diameter Pin).

Minimum Separation Force: .7 oz. (Using Minimum Diameter Pin).

Durability: 500 Mating Cycles Per Mil-Std-1344 Method 2016.

Electrical

Pi Type Filtered D-Sub Connectors

Frequency (MHz)	Insertion Loss (dB)
10	8 dB
100	50 dB
1,000 to 2,499	60 dB
2,500 to 10,000	70 dB

Current Rating: 6 Amp Max.

Dielectric Withstanding Voltage: 200 VDC.

Storage Temperature: -40°C To +85°C.

Operation Temperature: -40°C To +85°C.

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