FCT D-SUB PRODUCTS

FCT D-Sub Connectors are a reliable solution found in a broad range of applications and various industries. These connectors are time-tested and commonly used for signal transmission, communications, power distribution, control panels and test equipment.

FCT D-Sub products are readily available in a wide variety of materials and plating combinations. Specialty D-Sub connectors include waterproof IP67, filtered, non-magnetic, and non-outgassing. If a new configuration is required, Molex can conveniently provide a tailored solution.

FCT Precision Machined Contacts provide higher current, lower resistance and greater durability compared to stamped contacts. They provide a secure and reliable, semipermanent electrical path between two devices. Each series offers five different shell sizes. Additionally, available mating combinations include wire-to-wire, wire-to-board and board-to-board interconnects.

A variety of backshells are also offered to provide strain-relief, connector protection and cable dressing—completing the cable assembly. Backshells for FCT D-Sub Connectors meet industry needs for time efficiency and cable management. Full turnkey cable assemblies are also available.

KEY ADVANTAGES

Plastic and metal backshells
- Offer cable strain relief
- Provide robust coupling of connectors
- Organize cable routing in confined spaces

Machined contacts
- Provide superior current-carrying capacity
- Offer contact variety and plating options
- Offer high mating cycles and increased strength over stamped contacts

Non-magnetic available
- Includes non-ferrous materials

D-sub connector accessories available
- Provide a tailored solution to standard D-sub connectors
- Provide the following options: protective caps, brackets, latching, panel mounting, board mounting and various hardware accessories

Water-proof IP67 available
- Offers Zinc die-cast frames that are watertight and provide mechanical strength, shielding and rust retardant qualities

MARKETS

Industrial Automation
Medical
Telecommunications/Networking
Data/Computing

KEY APPLICATIONS

- Applications exposed to water spray
- Dense connector spacing
- Long cable runs
- MRI
- Patient monitoring devices
- Medical test equipment
- Communications infrastructure
- Head-end equipment
- Rack mount servers
- Mobile applications
FCT D-SUB PRODUCTS

D-Sub Connectors

<table>
<thead>
<tr>
<th>Standard Density</th>
<th>High Density</th>
<th>Mixed Layout</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
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D-Sub Backshells

<table>
<thead>
<tr>
<th>Plastic</th>
<th>Rugged Metal</th>
<th>Speciality/Non-Magnetic</th>
<th>IP67</th>
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<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
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Contacts

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<tr>
<th>Standard Density</th>
<th>High Density</th>
<th>High Power</th>
<th>Coaxial</th>
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<td><img src="image10.png" alt="Image" /></td>
<td><img src="image11.png" alt="Image" /></td>
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<tr>
<td>High Voltage</td>
<td>Pneumatic</td>
<td>Stamped</td>
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D-Sub Accessories and Tooling

<table>
<thead>
<tr>
<th>Dust Cap</th>
<th>Locking Mechanism</th>
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COMPLETE SOLUTIONS TO ACHIEVE YOUR VISION

Our capabilities are constantly evolving to meet the demanding requirements for autonomous driving, infotainment and connectivity.

www.molex.com/molex/products/family/dsub_products