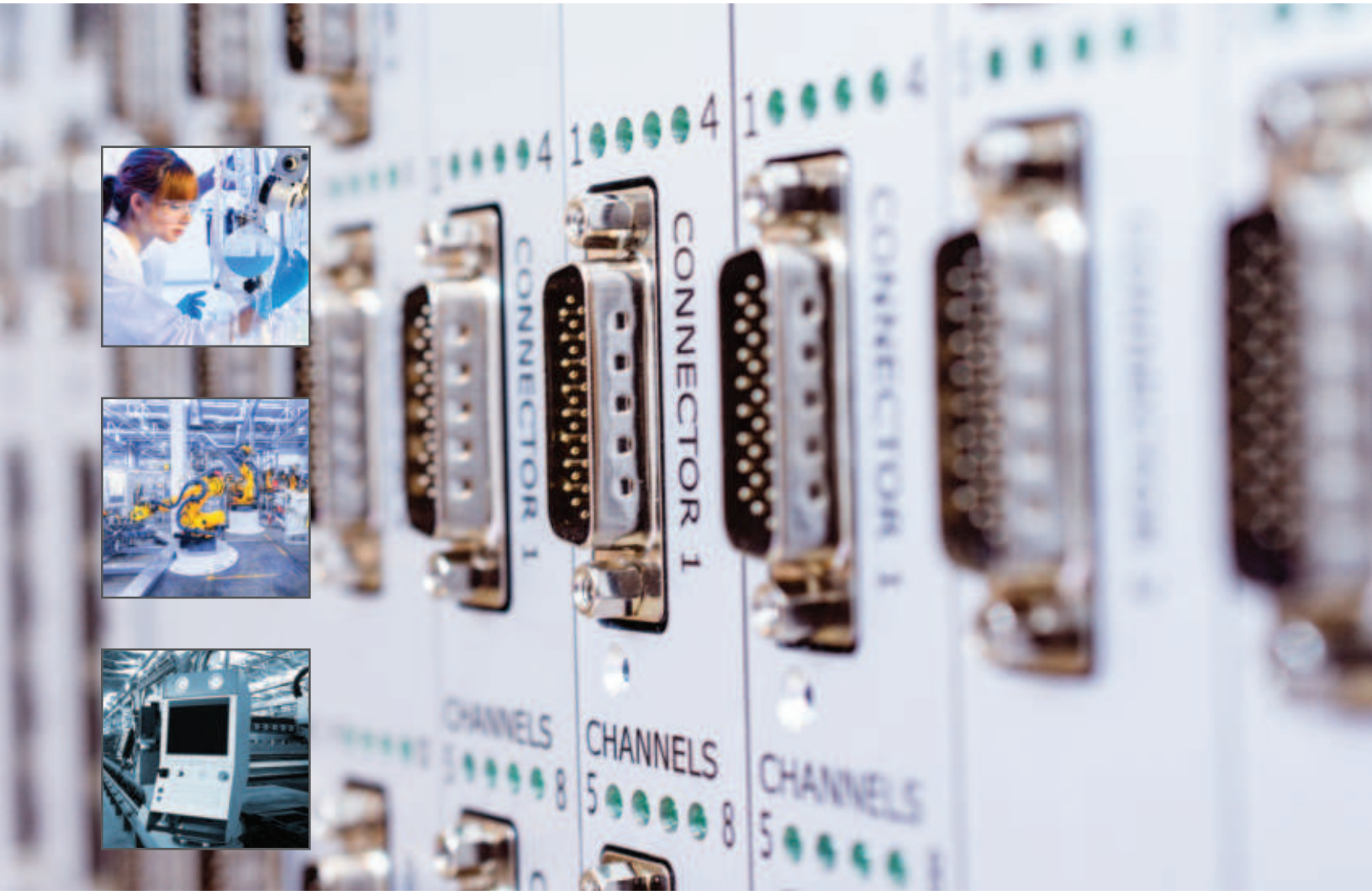
FCT ›

D-SUB PRODUCTS

Standard, High-Density and Mixed Layout D-Subs
D-Sub Hoods and Cable Assemblies



molex



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

FCT D-Sub products machined contacts providing higher current, lower resistance, and greater durability compared to stamped contacts. They provide a secure and reliable, semi-permanent 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.

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.

To accompany the connectors there is also a full range of hoods. The hoods provide strain-relief, connector protection, and cable dressing- completing the cable assembly. Full turnkey cable assemblies are also available.



Applications



Power and Signal



Communications

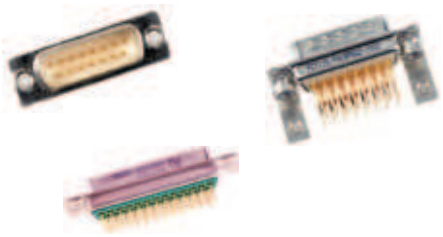


Aircraft Cabins

Standard D-Sub

Circuit sizes: 9, 15, 25, 37, 50

Machined pin and socket contacts available as solder pot, crimp, straight or right-angled PCB termination



High-Density D-Sub

Circuit sizes: 15, 26, 44, 62, 78

Machined pin and socket contacts available as solder pot, crimp, straight or right-angled PCB termination

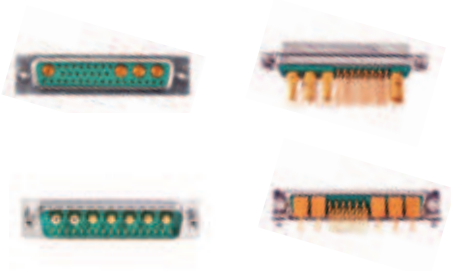


Mixed Layout D-Sub

Combining signal and special contacts in a single connector

Special contacts: power, coaxial, high-voltage, pneumatic

Many configuration layouts available



Hoods, Metal and Plastic

Wide range of hoods in five shell sizes

Various designs and materials

Simple assembly, no special tools



High Power Contacts

Size 8
Current Ratings: 10A, 20A, 30A and 40A
Gold plating options available
Non-magnetic versions available
Cable assembly options: Crimp and solder versions
Board-level options: Straight or right-angle
Press-fit available



Coaxial Contacts

Size 8
Impedance: 50 Ohm and 75 Ohm available
Gold plating options available
Non-magnetic versions available
Cable assembly options: Crimp and solder versions
Board-level options: Straight or right-angle
3 and 5-pin footprint options



High-Voltage Contacts

Size 8
Voltage: 3000V maximum
Gold plating options available
Cable assembly options: Crimp and solder versions
Board-level options: Straight



Pneumatic Contacts

Size 8
Suitable for compressed air line tubes
Pressure: 101.5 PSI maximum
Cable assembly options: Straight or right-angle



Standard Contacts

Size 20
Current Rating: 7.5A
Gold plating options available
Non-magnetic versions available
Cable assembly options: Crimp and solder versions
Board-level options: Straight or right-angle



High-Density Contacts

Size 22
Current Rating: 5A
Gold plating options available
Non-magnetic versions available
Cable assembly options: Crimp and solder versions available
Board-level options: Straight or right-angle





Waterproof D-Subs and Hoods

Standard, high-density and mixed layout D-Subs

Waterproof hoods and protective caps

IP67 rated



Non-Magnetic D-Subs and Hoods

Connectors, contacts, hoods

Permeability $\mu r \leq 1.0025$

100% permeability tested



Filtered D-Subs

Standard, high-density and mixed layout D-Subs

High-pass and low-pass filters



Dual Port D-Subs

Space saving, compact connector

Standard, high-density and mixed layout D-Subs



Cable Assemblies

Data and signal cable assemblies

Power cable assemblies

Specialized hybrid cable assemblies

Fully shielded cable assemblies

Overmolded cable assemblies

IP67 rated cable assemblies



Applications



Test and Measurement



Medical Equipment



Security

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