

FCT Mixed-Layout D-Sub Connectors and Assemblies

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FCT Mixed-Layout D-Sub Connectors and Cable Assemblies offer a range of standard housings; a portfolio of high-current, high-voltage, pneumatic and coaxial contacts; and various accessory options to meet each application's specific connectivity requirements

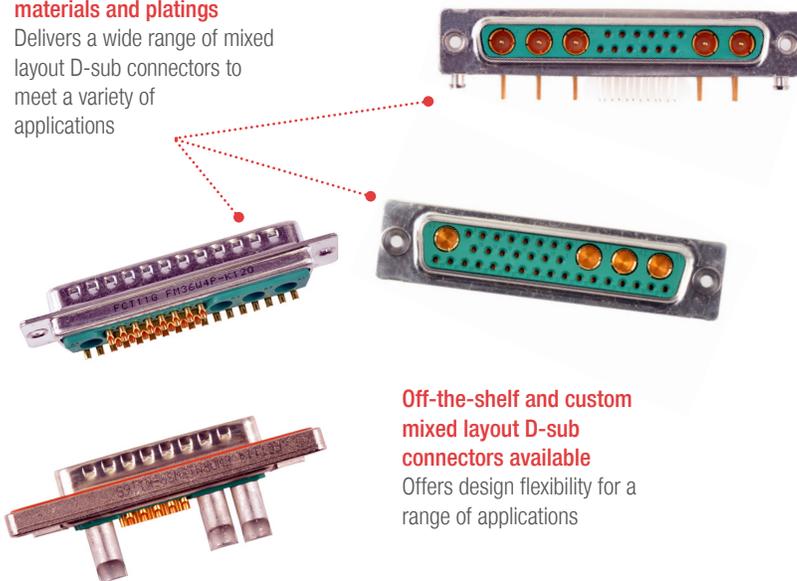


FCT Mixed-Layout D-Sub Connectors and Backshells

Features and Advantages

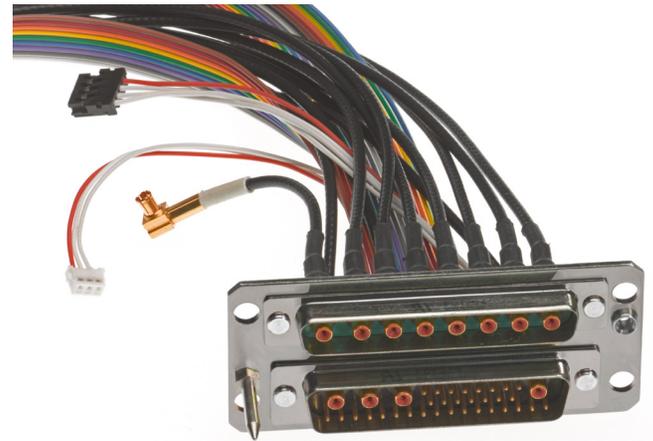
Available in different combinations of materials and platings

Delivers a wide range of mixed layout D-sub connectors to meet a variety of applications



Custom cable assemblies available

Presents a one-stop shop for an entire power/signal solution



Off-the-shelf and custom mixed layout D-sub connectors available

Offers design flexibility for a range of applications

A comprehensive range of standard D-Sub accessories, like backshells and side locks, are compatible with mixed layout connectors

Enhances the options available to meet almost any design requirement

Mixed-layout D-sub connectors are compatible with standard backshells

Provides a wide range of protection and strain relief options

Mix and match specialty contacts

Enables the construction of a d-sub connector that meets the specific requirements of any application

Waterproof and non-magnetic versions available

Meets needs of industrial and medical applications



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Markets and Applications

Commercial Aviation

- Unmanned vehicles
- Commercial aircraft cabins

Consumer

- Drones

Industrial Automation

- Motion control
- Robotics
- Power/signal distribution
- Control panels

Medical

- Non-ferrous environments

Commercial Vehicle

- IP67 breakout cables/overmolding
- Power/signal distribution

Telecommunications

- Receivers
- Satellite dishes



Application



Industrial Motor Applications



MRI Equipment



High-Speed Train



Satellite Dishes

Specifications

REFERENCE INFORMATION

- Packaging: Varied
- UL File No.: 168813
- Designed In: millimeters
- RoHS: Yes, by Exemption

MECHANICAL

- Mating Force per Signal Contact: $\leq 3.4\text{N}$
- Unmating Force per Signal Contact: $\geq 0.2\text{N}$
- Torque (max.): 40 Ncm

ELECTRICAL

- Test Voltage: 1000V, 50 Hz, 1 min.
- Current (max.): 7.5A
- Dielectric Withstanding Voltage: 50 kV/mm
- Insulation Resistance: ≥ 5000 Megohms
- Contact Resistance:
 - Straight Contacts: ≤ 10 milliohms
 - Right Angled Contacts: ≤ 25 milliohms
 - Right Angled Contacts (50 Way): ≤ 35 milliohms

PHYSICAL

- Insulator: Polyester, glass fiber filled
- Shell Plating: Tin over Nickel, Pin Connector Shell with Dimples
- Shell: Steel
- Operating Temperature:
 - Standard (FM): -55 to $+130^\circ\text{C}$
 - High Temperature (FH): -55 to $+150^\circ\text{C}$
- Contact: Copper Alloy

www.molex.com/link/dsubconnectors.html

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