FCT Mixed-Layout D-Sub Connectors and Assemblies

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

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

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

Custom cable assemblies available
Presents a one-stop shop for an entire power/signal solution

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
FCT Mixed-Layout D-Sub Connectors and Assemblies

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

Specifications

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

MECHANICAL
Mating Force per Signal Contact: ≤ 3.4N
Unmating Force per Signal Contact: ≥ 0.2N
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°C
  High Temperature (FH): -55 to +150°C
Contact: Copper Alloy

www.molex.com/link/dsubconnectors.html

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