

# FCT RF Coaxial Contacts



FCT RF Coaxial Contacts are precision machined and offer a range of options, including both 50- or 75-Ohm versions, enabling them to meet the specific needs of a variety of applications and making them ideal for FCT Mixed-Layout D-Sub Connectors

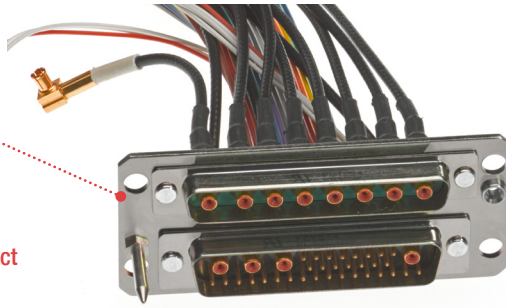


FCT Mixed-Layout D-Sub Connectors and Backshells

## Features and Advantages

### Available in 50 or 75 Ohms

Meets specific needs for a range of applications. Delivers design flexibility



Mixed-Layout D-Sub Connector with RF Coaxial Contacts

### A range of RF coaxial contact options available

Offers the exact RF contact needed for the application along with suitable cables for many RG types

### Machined contacts

Offers contact variety and plating options. Provides high mating cycles and increased strength

## 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

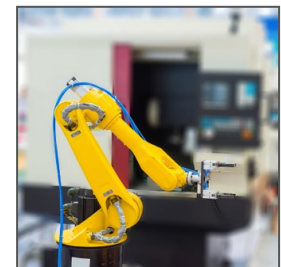
- IP67 breakout cables/overmolding
- Power/signal distribution

### Telecommunications

- Receivers
- Satellite dishes



Application



Industrial Motor Applications



MRI Equipment



High-Speed Train



Satellite Dishes

## Specifications

### *ELECTRICAL*

Characteristic Impedance: 50/75 Ohms  
Insulation Resistance:  $\geq 10$  G Ohms  
Contact Resistance Inner:  $\leq 2.7$  milliohms  
Contact Resistance Outer:  $\leq 2.7$  milliohms  
Dielectric Withstanding Voltage: 750V/50Hz  
Working Voltage: 250 Vrms  
Current Rating: 2.0A

### *MECHANICAL*

Mating Force per Signal Contact:  $\leq 7$ N  
Unmating Force per Signal Contact:  $\leq 7$ N  
Durability (min.):  
Standard — 500 Mating Cycles  
Low-Cost — 200 Mating Cycles

### *PHYSICAL*

Outer Conductor: Copper Alloy  
Inner Conductor: Copper Alloy  
Plating Material: Gold over Nickel  
Insulator Material: PTFE/PBTP/PI  
Operating Temperature: -55 to +135°C