

# FCT SMT and Through-Hole D-Sub Connectors



FCT SMT and Through-Hole D-Sub Connectors deliver a 5.0A current rating and were developed for use with fully automatic SMT and Reflow solder process procedures

## Features and Advantages

### Compact size

Frees up PCB real estate.  
Delivers design flexibility

### Performance class 1 plating on contacts

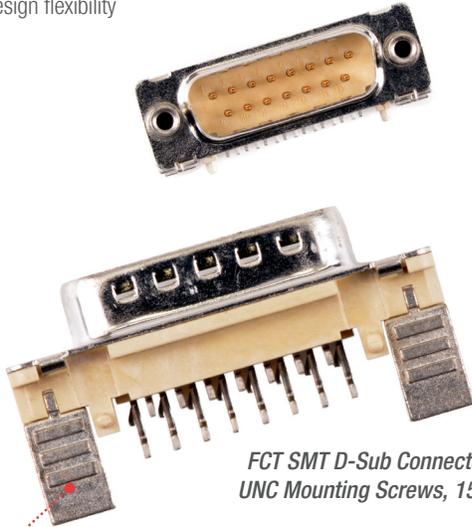
Offers durability (500 mating cycles)

### Pick-and-place feature and tape-and-reel packaging

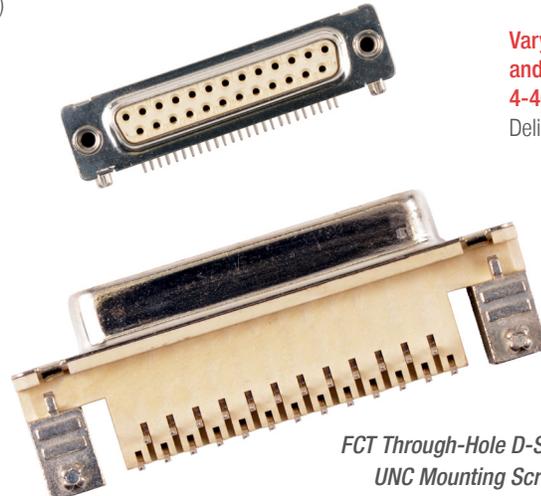
Enable an automated assembly process

### Varying profile heights and threads (M3 and 4-40 UNC)

Delivers design flexibility



*FCT SMT D-Sub Connectors, 4-40 UNC Mounting Screws, 15 Contacts*



*FCT Through-Hole D-Sub Connectors, 4-40 UNC Mounting Screws, 25 Contacts*

### Diecast blocks

Keep the weight of the connector over the PCB to provide balance and stability

### 260°C temperature resistance

Enables termination via solder reflow at the same time as other components on the PCB

### SMT Connector: 60N minimum sheer force

provides a robust connection to the board

## Markets and Applications

### Medical Equipment

- MRI
- Patient monitoring
- Test equipment
- Measurement control devices

### Industrial Automation

- Security
- Surveillance



# FCT SMT and Through-Hole D-Sub Connectors



## Specifications

### REFERENCE INFORMATION

Packaging: Tape on Reel  
Designed In: Millimeters  
RoHS: Yes  
Halogen Free: No  
Glow Wire Compliant: No

### ELECTRICAL

Voltage (max.): 1200V  
Current (max.): 5.0A  
Insulation Resistance (min.): 5000 Megohms

### MECHANICAL

Durability (max.): 500 Cycles

### PHYSICAL

Shell: Steel  
Shell Plating: Tin Over Nickel  
Contact: Copper Alloy  
Operating Temp: -55 to +150°C

## Ordering Information: SMT D-Sub Connectors

Part No.	Engineering No.	Component	Orientation/Termination	No. of Contacts
<a href="#">173109-0255</a>	FSLT15P107G1-3752	Plug	Right Angle/SMT	15
<a href="#">173109-0340</a>	FSLT15P101G1-3752	Plug	Right Angle/SMT	15
<a href="#">173109-0341</a>	FSLT15S101G1-3752	Receptacle	Right Angle/SMT	15
<a href="#">172109-1836</a>	FSLT09P107G1-3752	Plug	Right Angle/SMT	9
<a href="#">173109-1920</a>	FSLT09S101G1-3752	Receptacle	Right Angle/SMT	9
<a href="#">173109-1921</a>	FSLT09S107G1-3752	Receptacle	Right Angle/SMT	9
<a href="#">173109-1924</a>	FSLT15S107G1-3752	Receptacle	Right Angle/SMT	15
<a href="#">173109-1835</a>	FSLT09P101G1-3752	Plug	Right-Angle/SMT	9
<a href="#">173109-2476</a>	FSLT25P101G1-3752	Plug	Right-Angle/SMT	25
<a href="#">173109-2222</a>	FSLT25S101G1-3752	Receptacle	Right-Angle/SMT	25
<a href="#">173109-2477</a>	FSLT25P107G1-3752	Plug	Right-Angle/SMT	25

## Ordering Information: Through-Hole D-Sub Connectors

Part No.	Engineering No.	Component	Orientation/Termination	No. of Contacts
<a href="#">173109-0572</a>	EVT09S21SG1-2430	Receptacle	Right Angle/Through-Hole	9
<a href="#">172109-1922</a>	FEVT09P21SG1-2430	Plug	Right Angle/Through-Hole	9
<a href="#">173109-1927</a>	FEVT25S21SG1-2430	Receptacle	Right-Angle/Through-Hole	25
<a href="#">173109-1928</a>	FEVT25P21SG1-2430	Plug	Right-Angle/Through-Hole	25
<a href="#">173109-1931</a>	FEVT15S21SG1-2430	Receptacle	Right-Angle/Through-Hole	15
<a href="#">173109-1932</a>	FEVT15P21SG1-2430	Plug	Right-Angle/Through-Hole	15

[www.molex.com/link/dsubconnectors.html](http://www.molex.com/link/dsubconnectors.html)

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