



**Part Number :** [1731090129](#)  
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Straight, PCB Through Hole, 10.30mm Tail Length, Gold Plating, 200 Mating Cycles, 37 Circuits, White Insulator  
**Series Number :** 173109  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F37S1G2



## Documents & Resources

### Drawings

[1731090129\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)


[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

## Product Environment Compliance

### Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Not Relevant   |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant   |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21  |
| REACH SVHC         | Contains Lead per D(2023)8585-DC<br>(23 Jan 2024)  |
| EU RoHS            | Compliant with Exemption 6(c) per<br>EU 2015/863   |

### Compliance Statements

- EU RoHS
- REACH SVHC

- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|              |  |
|--------------|--|
| Status       | Active   |
| Category     | D-Sub Connectors   |
| Series       | 173109   |
| Description  | FCT Standard-Density D-Sub Connector, Female, Straight, PCB Through Hole, 10.30mm Tail Length, Gold Plating, 200 Mating Cycles, 37 Circuits, White Insulator |
| IP Rating    | IP20   |
| Magnetic     | Yes  |
| Product Name | FCT Products   |
| Type         | Standard Density   |
| UPC          | 889056486118   |

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7.5A |
| Shielded                      | Yes  |

### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 37    |
| Circuits (maximum)             | 37    |
| Color - Resin                  | White |
| Durability (mating cycles min) | 200   |

|                               |                  |
|-------------------------------|------------------|
| Gender                        | Female           |
| Material - Contact            | Copper Alloy     |
| Material - Resin              | PBT              |
| Material - Shell              | Steel            |
| Net Weight                    | 16.900/g         |
| Number of Rows                | 2                |
| Orientation                   | Straight         |
| Packaging Type                | Carton           |
| Panel Mount                   | Rear             |
| Panel Mount Method            | Flange           |
| PCB Locator                   | Yes              |
| PCB Retention                 | Yes              |
| PCB Thickness - Recommended   | 1.60mm           |
| PC Tail Length                | 10.30mm          |
| Pitch - Mating Interface      | 2.84mm           |
| Pitch - Termination Interface | 2.84mm           |
| Plating - Contact             | Gold over Nickel |
| Plating - Shell               | Tin              |
| Polarized to Mating Part      | Yes              |
| Polarized to PCB              | Yes              |
| Ports                         | 1                |
| Temperature Range - Operating | -55° to +125°C   |
| Termination Style             | Through Hole     |
| Waterproof / Dustproof        | No               |
| Waterproof / Dustproof Type   | IP20             |

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## Mates With / Use With

### Mates with Part(s)

|             |  |
|-------------|--|
| Description | Part Number  |
| Mates With  | FCT Standard-Density D-Sub, Size 4,<br>37 Position, Plug |

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