



**Part Number :** [1731090650](#)  
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Right-Angle, PCB Through Hole, 11.10mm Tail Length, Gold over Nickel Phosphorus Plating, 500 Mating Cycles, 37 Circuits, White Insulator  
**Series Number :** 173109  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F37S5G1A

## Documents & Resources

### Drawings

- [1731090650\\_sd.pdf](#)
- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)
- [Symbol and Footprint \(Multi-Format\)](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                      |
| China RoHS         | per SJ/T 11365-2006                                                               |
| EU ELV             | Not Relevant                                                                      |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21                                                   |
| REACH SVHC         | Contains Lead; pyrochlore, antimony lead yellow per D(2025)4165-DC (25 June 2025) |
| EU RoHS            | Compliant with Exemption 6(c) per 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, Right-Angle, PCB Through Hole, 11.10mm Tail Length, Gold over Nickel Phosphorus Plating, 500 Mating Cycles, 37 Circuits, White Insulator |
| IP Rating    | IP20                                                                                                                                                                                   |
| Magnetic     | Yes                                                                                                                                                                                    |
| Product Name | FCT Products                                                                                                                                                                           |
| Type         | Standard Density                                                                                                                                                                       |
| UPC          | 191128756723                                                                                                                                                                           |

### Electrical

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

### Physical

|                    |       |
|--------------------|-------|
| Circuits (Loaded)  | 37    |
| Circuits (maximum) | 37    |
| Color - Resin      | White |

|                                |                             |
|--------------------------------|-----------------------------|
| Durability (mating cycles min) | 500                         |
| Gender                         | Female                      |
| Material - Contact             | Copper Alloy                |
| Material - Resin               | PBT                         |
| Material - Shell               | Steel                       |
| Net Weight                     | 19.300/g                    |
| Number of Rows                 | 2                           |
| Orientation                    | Right-Angle                 |
| Packaging Type                 | Carton                      |
| Panel Mount                    | Rear                        |
| Panel Mount Method             | Flange                      |
| PCB Locator                    | No                          |
| PCB Retention                  | None                        |
| PCB Thickness - Recommended    | 1.60mm                      |
| PC Tail Length                 | 11.10mm                     |
| Pitch - Mating Interface       | 2.84mm                      |
| Pitch - Termination Interface  | 2.54mm                      |
| Plating - Contact              | Gold over Nickel Phosphorus |
| 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                        |

---

## Mates With / Use With

### Mates with Part(s)

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