



**Part Number :** [1731090738](#)  
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Right-Angle, PCB Through Hole, 12.50mm Tail Length, Gold Plating, 200 Mating Cycles, 50 Circuits, White Insulator  
**Series Number :** 173109  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F50S5G2

## Documents & Resources

### Drawings

- [1731090738\\_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 per D(2022)4187-DC (10 June 2022) |
| 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, 12.50mm Tail Length, Gold Plating, 200 Mating Cycles, 50 Circuits, White Insulator |
| IP Rating    | IP20                                                                                                                                                            |
| Magnetic     | Yes                                                                                                                                                             |
| Product Name | FCT Products                                                                                                                                                    |
| Type         | Standard Density                                                                                                                                                |
| UPC          | 191128905213                                                                                                                                                    |

## Electrical

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

## Physical

|                                |        |
|--------------------------------|--------|
| Circuits (Loaded)              | 50     |
| Circuits (maximum)             | 50     |
| Color - Resin                  | White  |
| Durability (mating cycles min) | 200    |
| Gender                         | Female |

|                               |                  |
|-------------------------------|------------------|
| Material - Contact            | Copper Alloy     |
| Material - Resin              | PBT              |
| Material - Shell              | Steel            |
| Net Weight                    | 24.600/g         |
| Number of Rows                | 3                |
| 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                | 12.50mm          |
| Pitch - Mating Interface      | 2.84mm           |
| Pitch - Termination Interface | 2.54mm           |
| 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             |

---

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number                                              |
|-------------|----------------------------------------------------------|
| Mates With  | FCT Standard-Density D-Sub, Size 5,<br>50 Position, Plug |