



**Part Number :** [1731091926](#)  
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Straight, PCB Through Hole, 10.30mm Tail Length, Gold over Nickel Phosphorus Plating, 500 Mating Cycles, 5.60mm Snap-in Bolt, 25 Circuits, White Insulator  
**Series Number :** 173109  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F25S1G1A-0981

Documents & Resources

Drawings

[1731091926 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         | Not Reviewed per D(2025)4165-DC<br>(25 June 2025)                                                            |
| 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 over Nickel Phosphorus Plating, 500 Mating Cycles, 5.60mm Snap-in Bolt, 25 Circuits, White Insulator |
| IP Rating    | IP20                                                                                                                                                                                                     |
| Magnetic     | Yes                                                                                                                                                                                                      |
| Product Name | FCT Products                                                                                                                                                                                             |
| Type         | Standard Density                                                                                                                                                                                         |
| UPC          | 191130163120                                                                                                                                                                                             |

### Electrical

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

### Physical

|                    |    |
|--------------------|----|
| Circuits (Loaded)  | 25 |
| Circuits (maximum) | 25 |

|                                |                  |
|--------------------------------|------------------|
| Color - Resin                  | White            |
| Durability (mating cycles min) | 500              |
| Gender                         | Female           |
| Material - Contact             | Copper Alloy     |
| Material - Resin               | PBT              |
| Material - Shell               | Steel            |
| Net Weight                     | 13.400/g         |
| Number of Rows                 | 2                |
| Orientation                    | Straight         |
| Packaging Type                 | Carton           |
| Panel Mount                    | Rear             |
| Panel Mount Method             | Thread-In        |
| 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 3,<br>25 Position, Plug |

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This document was generated on Sep 10, 2025