



**Part Number :** [1731091076](#)

**Product Description :** FCT Standard-Density D-Sub Connector, Male, Straight, PCB Through Hole, 10.30mm Tail Length, Gold Plating, 50 Mating Cycles, 6.30mm Front Spacer, 6.60mm Snap-in Bolt, 9 Circuits, White Insulator

**Series Number :** 173109

**Status :** Active

**Product Category :** D-Sub Connectors

**Engineering Number :** F09P1G3-3924



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## Documents & Resources

### Drawings

[1731091076 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

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## 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(2024)7663-DC (21 Jan 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, Male, Straight, PCB Through Hole, 10.30mm Tail Length, Gold Plating, 50 Mating Cycles, 6.30mm Front Spacer, 6.60mm Snap-in Bolt, 9 Circuits, White Insulator |
| IP Rating    | IP20   |
| Magnetic     | Yes  |
| Product Name | FCT Products   |
| Type         | Standard Density   |
| UPC          | 191130094318   |

### Electrical

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

### Physical

|                    |   |
|--------------------|---|
| Circuits (Loaded)  | 9 |
| Circuits (maximum) | 9 |

|                                |                  |
|--------------------------------|------------------|
| Color - Resin                  | White            |
| Durability (mating cycles min) | 50               |
| Gender                         | Male             |
| Material - Contact             | Copper Alloy     |
| Material - Resin               | PBT              |
| Material - Shell               | Steel            |
| Net Weight                     | 15.200/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 1,<br>9 Position, Socket |

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