



**Part Number :** [1731090689](#)  
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Straight, PCB Through Hole, 11.70mm Tail Length, Gold Plating, 500 Mating Cycles, 8.10mm Snap-in Bolt, 25 Circuits, White Insulator  
**Series Number :** 173109  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F25S22G1-0903

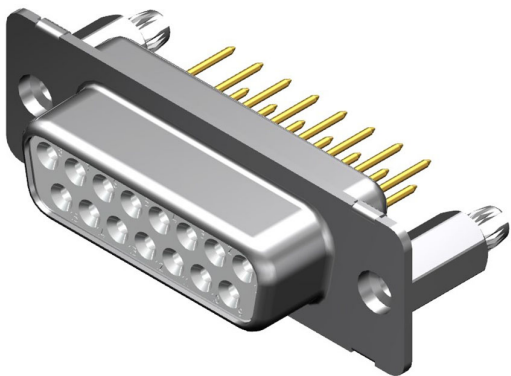


Illustration only.  
The pole size may deviate from the image.

## Documents & Resources

**Drawings**  
[1731090689\\_sd.pdf](#)

**3D Models and Design Files**  
[1731090689\\_stp.zip](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21                                                       |
| REACH SVHC         | Contains Lead per D(2023)3788-DC (14 Jun 2023)                                        |
| EU RoHS            | Compliant with Exemption 6(c) per EU 2015/863                                         |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

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

## EU RoHS Certificate of Compliance

---

### Part Details

#### General

|              |                                                                                                                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                                                                                            |
| Category     | D-Sub Connectors                                                                                                                                                                  |
| Series       | 173109                                                                                                                                                                            |
| Description  | FCT Standard-Density D-Sub Connector, Female, Straight, PCB Through Hole, 11.70mm Tail Length, Gold Plating, 500 Mating Cycles, 8.10mm Snap-in Bolt, 25 Circuits, White Insulator |
| IP Rating    | IP20                                                                                                                                                                              |
| Magnetic     | Yes                                                                                                                                                                               |
| Product Name | FCT Products                                                                                                                                                                      |
| Type         | Standard Density                                                                                                                                                                  |
| UPC          | 191128891196                                                                                                                                                                      |

#### Electrical

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

#### Physical

|                                |              |
|--------------------------------|--------------|
| Circuits (Loaded)              | 25           |
| Circuits (maximum)             | 25           |
| Color - Resin                  | White        |
| Durability (mating cycles max) | 500          |
| Gender                         | Female       |
| Material - Contact             | Copper Alloy |
| Material - Resin               | PBT          |
| Material - Shell               | Steel        |
| Net Weight                     | 13.900/g     |

|                               |                  |
|-------------------------------|------------------|
| Number of Rows                | 2                |
| Orientation                   | Straight         |
| Packaging Type                | Carton           |
| Panel Mount                   | Rear             |
| Panel Mount Method            | Thread-In        |
| PC Tail Length                | 11.70mm          |
| PCB Locator                   | Yes              |
| PCB Retention                 | Yes              |
| PCB Thickness - Recommended   | 1.60mm           |
| 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             |

---

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number                                              |
|-------------|----------------------------------------------------------|
| Mates With  | FCT Standard-Density D-Sub, Size 3,<br>25 Position, Plug |