**Part Number :** 1731091656
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Straight, PCB Through Hole, 10.30mm Tail Length, Gold Plating, 200 Mating Cycles, 5.60mm Snap-in Bolt, 9 Circuits, Heat Resistant Natural Insulator
**Series Number :** 173109
**Status :** Active
**Product Category :** D-Sub Connectors
**Engineering Number :** FH09S1G2-0981



## Documents & Resources

### Drawings

1731091656_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 | 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(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

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## 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 Plating, 200 Mating Cycles, 5.60mm Snap-in Bolt, 9 Circuits, Heat Resistant Natural Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Standard Density |
| UPC | 191130100118 |

### Electrical

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

### Physical

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

| | |
|---|---|
| Color - Resin | Natural |
| Durability (mating cycles min) | 200 |
| Gender | Female |
| Material - Contact | Copper Alloy |
| Material - Resin | PCT |
| Material - Shell | Steel |
| Net Weight | 7.000/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 +150°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 1, 9 Position, Plug |

This document was generated on Sep 23, 2025