



Part Number : [1731090171](#)

Product Description : FCT Standard-Density D-Sub Connector, Female, Right-Angle, PCB Through Hole, 11.10mm Tail Length, Gold Plating, 500 Mating Cycles, Riveted Metal Bracket and Clinch Nut, 9 Circuits, White Insulator

Series Number : 173109

Status : Active

Product Category : D-Sub Connectors

Engineering Part Number : F09S5G1-1002



Documents and Resources

Drawings

[1731090171_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 | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Contains Lead per D(2025)4165-DC (25 June 2025) SCIP:ac1d5b86-8668-42f6-93b4-91ac686aec7c |
| 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, 11.10mm Tail Length, Gold Plating, 500 Mating Cycles, Riveted Metal Bracket and Clinch Nut, 9 Circuits, White Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Standard Density |
| UPC | 889056486538 |

Electrical

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

Physical

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

| | |
|--------------------------------|------------------|
| Circuits (maximum) | 9 |
| Color - Resin | White |
| Durability (mating cycles min) | 500 |
| Gender | Female |
| Material - Contact | Copper Alloy |
| Material - Resin | PBT |
| Material - Shell | Steel |
| Net Weight | 10.100/g |
| Number of Rows | 2 |
| Orientation | Right-Angle |
| 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 | 11.10mm |
| 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 1, 9 Position, Plug |

