**Part Number :** 1731090732
**Product Description :** FCT Standard-Density D-Sub Connector, Male, Right-Angle, PCB Through Hole, 12.50mm Tail Length, Gold over Nickel Phosphorus Plating, 500 Mating Cycles, 50 Circuits, White Insulator
**Series Number :** 173109
**Status :** Active
**Product Category :** D-Sub Connectors
**Engineering Number :** F50P5G1A



## Documents & Resources

### Drawings

1731090732_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 | 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

---

## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | D-Sub Connectors |
| Series | 173109 |
| Description | FCT Standard-Density D-Sub Connector, Male, Right-Angle, PCB Through Hole, 12.50mm Tail Length, Gold over Nickel Phosphorus Plating, 500 Mating Cycles, 50 Circuits, White Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Standard Density |
| UPC | 191128905152 |

### Electrical

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

### Physical

| | |
|---|---|
| Circuits (Loaded) | 50 |
| Circuits (maximum) | 50 |
| Color - Resin | White |
| Durability (mating cycles min) | 500 |

| | |
|---|---|
| Gender | Male |
| Material - Contact | Copper Alloy |
| Material - Resin | PBT |
| Material - Shell | Steel |
| Net Weight | 21.100/g |
| Number of Rows | 3 |
| Orientation | Right-Angle |
| Packaging Type | Carton |
| Panel Mount | Rear |
| Panel Mount Method | Flange |
| PCB Locator | No |
| PCB Retention | None |
| 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 Phosphorus |
| 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 5, 50 Position, Socket |