



Part Number : 1731090099

Series Number : 173109

Product Category : D-Sub Connectors

Product Description : FCT Standard-Density D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, 200 Mating Cycles, #4-40 Clinch Nut, 9 Circuits, White Insulator

Status : Active

Engineering Number : FT09P0G2


Documents & Resources

Drawings  
Drawing 1731090099\_sd.pdf

3D Models and Design Files  
3D Model 1731090099\_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)8585-DC (23 Jan 2024)  |
| 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

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## Part Details

### General

|                |  |
|----------------|--|
| Status         | Active   |
| Category       | D-Sub Connectors   |
| Series         | 173109   |
| Description    | FCT Standard-Density D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, 200 Mating Cycles, #4-40 Clinch Nut, 9 Circuits, White Insulator |
| IP Rating      | IP20   |
| Product Family | FCT D-Sub Connectors   |
| Product Name   | FCT Products   |
| Type           | Standard Density   |
| UPC            | 889056485814   |

### Electrical

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

### Physical

|                                |              |
|--------------------------------|--------------|
| Circuits (Loaded)              | 9            |
| Circuits (maximum)             | 9            |
| Color - Resin                  | White        |
| Durability (mating cycles max) | 200          |
| Gender                         | Male         |
| Material - Contact             | Copper Alloy |
| Material - Resin               | PBT          |
| Material - Shell               | Steel        |
| Net Weight                     | 6.100/g      |
| Number of Rows                 | 2            |
| Orientation                    | Straight     |
| Packaging Type                 | Carton       |
| Panel Mount                    | Rear         |
| Panel Mount Method             | Thread-In    |
| PCB Locator                    | No           |

|                               |                  |
|-------------------------------|------------------|
| PCB Retention                 | None             |
| Pitch - Mating Interface      | 2.84mm           |
| Pitch - Termination Interface | 2.84mm           |
| Plating - Contact             | Gold over Nickel |
| Plating - Shell               | Tin              |
| Polarized to Mating Part      | Yes              |
| Ports                         | 1                |
| Temperature Range - Operating | -55° to +125°C   |
| Termination Style             | Solder Cup       |
| Waterproof / Dustproof        | No               |
| Waterproof / Dustproof Type   | IP20             |
| Wire Size (AWG)               | 20               |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number  |
|-------------|--|
| Mates With  | FCT Standard-Density D-Sub, Size 1, 9 Position, Socket |