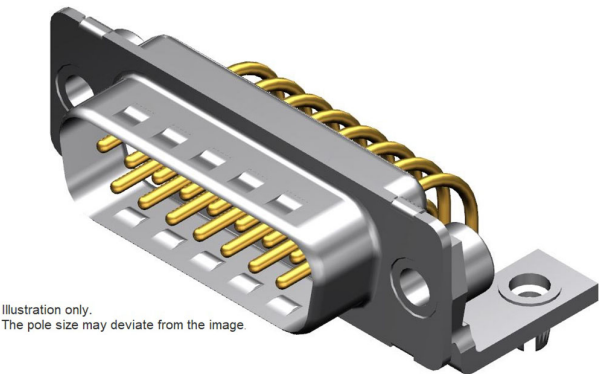




**Part Number :** 1731090176  
**Product Description :** FCT Standard-Density D-Sub Connector, Male, Right-Angle, PCB Through Hole, 11.10mm Tail Length, Gold Plating, 200 Mating Cycles, Riveted Metal Bracket and Clinch Nut, 9 Circuits, White Insulator  
**Series Number :** 173109  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F09P5G2-1002



Documents & Resources

**Drawings**  
[Drawing 1731090176\\_sd.pdf](#)

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(2024)4144-DC (27 June 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

## Part Details

### General

|                |                                                                                                                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                             |
| Category       | D-Sub Connectors                                                                                                                                                                                   |
| Series         | 173109                                                                                                                                                                                             |
| Description    | FCT Standard-Density D-Sub Connector, Male, Right-Angle, PCB Through Hole, 11.10mm Tail Length, Gold Plating, 200 Mating Cycles, Riveted Metal Bracket and Clinch Nut, 9 Circuits, White Insulator |
| IP Rating      | IP20                                                                                                                                                                                               |
| Magnetic       | Yes                                                                                                                                                                                                |
| Product Family | FCT D-Sub Connectors                                                                                                                                                                               |
| Product Name   | FCT Products                                                                                                                                                                                       |
| Type           | Standard Density                                                                                                                                                                                   |
| UPC            | 889056486583                                                                                                                                                                                       |

### 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                     | 8.000/g      |
| Number of Rows                 | 2            |

|                               |                  |
|-------------------------------|------------------|
| Orientation                   | Right-Angle      |
| Packaging Type                | Carton           |
| Panel Mount                   | Rear             |
| Panel Mount Method            | Thread-In        |
| PC Tail Length                | 11.10mm          |
| PCB Locator                   | Yes              |
| PCB Retention                 | Yes              |
| PCB Thickness - Recommended   | 1.60mm           |
| 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             |

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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 |