**Part Number :** 1731100027
**Product Description :** FCT Standard-Density Waterproof D-Sub Connector, Female, Right-Angle, PCB Through Hole, 10.50mm Tail Length, Gold Plating, Plastic Watertight Frame, Snap-in Bolt, 9 Circuits, Red Insulator
**Series Number :** 173110
**Status :** Active
**Product Category :** D-Sub Connectors
**Engineering Part Number :** FWDR09S25



## Documents and Resources

### Drawings

1731100027_sd.pdf

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 | Contains Lead per D(2025)4165-DC (25 June 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 | 173110 |
| Description | FCT Standard-Density Waterproof D-Sub Connector, Female, Right-Angle, PCB Through Hole, 10.50mm Tail Length, Gold Plating, Plastic Watertight Frame, Snap-in Bolt, 9 Circuits, Red Insulator |
| IP Rating | IP67 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Standard Density |
| UPC | 889056324991 |

### Electrical

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

### Physical

| | |
|---|---|
| Circuits (Loaded) | 9 |
| Circuits (maximum) | 9 |
| Color - Resin | Red |
| Durability (mating cycles min) | 500 |
| Gender | Female |
| Material - Contact | Copper Alloy |

| | |
|---|---|
| Material - Resin | Polybutylene Terephthalate (PBT) |
| Material - Shell | Brass |
| Net Weight | 11.500/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 | 10.50mm |
| 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 |
| Shell Size | 1 |
| Temperature Range - Operating | -25° to +70°C |
| Termination Style | Through Hole |
| Waterproof / Dustproof | Yes |
| Waterproof / Dustproof Type | IP67 |

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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, Plug |

### Use with Part(s)

| Description | Part Number |
|---|---|
| Use With | FCT D-Sub Dust Caps |