



**Part Number :** 1731100004  
**Product Description :** FCT Standard-Density Waterproof D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Plastic Watertight Frame, 9 Circuits, Red Insulator  
**Series Number :** 173110  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** FWDR09P



## 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)6225-DC (07 Nov 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

## Part Details

## General

|              |                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                                                         |
| Category     | D-Sub Connectors                                                                                                                               |
| Series       | 173110                                                                                                                                         |
| Description  | FCT Standard-Density Waterproof D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Plastic Watertight Frame, 9 Circuits, Red Insulator |
| IP Rating    | IP67                                                                                                                                           |
| Magnetic     | Yes                                                                                                                                            |
| Product Name | FCT Products                                                                                                                                   |
| Type         | Standard Density                                                                                                                               |
| UPC          | 889056319126                                                                                                                                   |

## Electrical

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

## Physical

|                                |              |
|--------------------------------|--------------|
| Circuits (Loaded)              | 9            |
| Circuits (maximum)             | 9            |
| Color - Resin                  | Red          |
| Durability (mating cycles max) | 500          |
| Gender                         | Male         |
| Material - Contact             | Copper Alloy |
| Material - Resin               | PBT          |
| Material - Shell               | Brass        |
| Net Weight                     | 9.800/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 | -25° to +70°C    |
| Termination Style             | Solder Cup       |
| Waterproof / Dustproof        | Yes              |
| Waterproof / Dustproof Type   | IP67             |
| 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 |

### Use with Part(s)

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

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