



**Part Number :** [1727040082](#)  
**Product Description :** FCT Standard-Density  
Waterproof D-Sub Connector, Male, Straight, Solder  
Cup, Gold over Nickel Phosphorus Plating, 500 Mating  
Cycles, 9 Circuits, Red Insulator  
**Series Number :** 172704  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** F09PA-K700



## Documents & Resources

### Drawings

[1727040082\\_sd.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>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<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant with Exemption 6(c) per<br>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       | 172704                                                                                                                                                         |
| Description  | FCT Standard-Density Waterproof D-Sub Connector, Male, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, 500 Mating Cycles, 9 Circuits, Red Insulator |
| IP Rating    | IP67                                                                                                                                                           |
| Magnetic     | Yes                                                                                                                                                            |
| Product Name | FCT Products                                                                                                                                                   |
| Type         | Standard Density                                                                                                                                               |
| UPC          | 889056019934                                                                                                                                                   |

### 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                         | Male         |
| Material - Contact             | Copper Alloy |
| Material - Resin               | PBT          |
| Material - Shell               | Brass        |
| Net Weight                     | 5.500/g      |

|                               |                             |
|-------------------------------|-----------------------------|
| Number of Rows                | 2                           |
| Orientation                   | Straight                    |
| Packaging Type                | Carton                      |
| Panel Mount                   | Rear                        |
| Panel Mount Method            | Flange                      |
| PCB Locator                   | No                          |
| PCB Retention                 | None                        |
| Pitch - Mating Interface      | 2.84mm                      |
| Pitch - Termination Interface | 2.84mm                      |
| Plating - Contact             | Gold over Nickel Phosphorus |
| 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,<br>9 Position, Socket |

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