



**Part Number :** [1727040157](#)

**Product Description :** FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 30.0A, 12-10 AWG

**Series Number :** 172704

**Status :** Active

**Product Category :** D-Sub Contacts

**Engineering Number :** FMP053S103



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## Documents & Resources

### Drawings

[1727040157\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[2195600660-000.pdf](#)

[1731120008-PK-000.pdf](#)

[2195600660-000.pdf](#)

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## 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 Contacts                                                                                                                             |
| Series       | 172704                                                                                                                                     |
| Description  | FCT High Power Contact, Female, Straight, Crimp, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 30.0A, 12-10 AWG |
| Contact Type | High Power                                                                                                                                 |
| Magnetic     | Yes                                                                                                                                        |
| Product Name | FCT Products                                                                                                                               |
| Type         | Mixed Layout                                                                                                                               |
| UPC          | 889056020688                                                                                                                               |

### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 30.0A |
|-------------------------------|-------|

### Physical

|                                |        |
|--------------------------------|--------|
| Durability (mating cycles min) | 500    |
| Gender                         | Female |

|                                |                  |
|--------------------------------|------------------|
| Material - Contact             | Copper Alloy     |
| Material - Plating Mating      | Gold over Nickel |
| Material - Plating Termination | Gold over Nickel |
| Material - Retaining Clip      | Copper Alloy     |
| Net Weight                     | 2.100/g          |
| Orientation                    | Straight         |
| Packaging Type                 | Bag              |
| Plating min - Mating           | 0.800µm          |
| Plating min - Termination      | 0.200µm          |
| Temperature Range - Operating  | -55° to +155°C   |
| Termination Style              | Crimp            |
| Wire Size (AWG)                | 10, 12           |

## Mates With / Use With

### Use with Part(s)

| Description | Part Number                 |
|-------------|-----------------------------|
| Use With    | FCT Mixed Layout Connectors |

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## Application Tooling

### Global

| Description                          | Part Number                       |
|--------------------------------------|-----------------------------------|
| FCT Hand Crimp Tool, 8-Step Adjust   | <a href="#"><u>1731121731</u></a> |
| FCT Locator for High Power Contacts  | <a href="#"><u>1731121734</u></a> |
| FCT Removal Tool for Size 8 Contacts | <a href="#"><u>1731121747</u></a> |