**Part Number :** 1727040154
**Product Description :** FCT High Power Contact, Female, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG
**Series Number :** 172704
**Status :** Active
**Product Category :** D-Sub Contacts
**Engineering Number :** FMP005S103

## Documents & Resources

### Drawings

1727040154_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

1731120008-PK-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 3; 34; 33 |
| China RoHS | Not Relevant |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Relevant |
| REACH SVHC | Contains Lead; pyrochlore, antimony lead yellow per D(2024)7663-DC (21 Jan 2025) |
| EU RoHS | Compliant with Exemption 6(c) per EU 2015/863 |

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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, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG |
| Contact Type | High Power |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Mixed Layout |
| UPC | 889056020657 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 10.0A |

### Physical

| | |
|---|---|
| Durability (mating cycles min) | 500 |
| Gender | Female |
| Material - Contact | Copper Alloy |

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| | |
|---|---|
| Material - Plating Mating | Gold over Nickel |
| Material - Plating Termination | Gold over Nickel |
| Material - Retaining Clip | Copper Alloy |
| Net Weight | 1.800/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 | Solder Cup |
| Wire Size (AWG) | 16, 18, 20 |

## 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 Removal Tool for Size 8 Contacts | 1731121747 |

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