



Part Number : 1727040148

Series Number : 172704  
Product Category : D-Sub Contacts

Product Description : FCT High Power Contact,  
Male, Straight, Solder Cup, 0.80µm Gold  
Mating Plating, 0.20µm Gold Termination  
Plating, 40.0A, 8-12 AWG  
Status : Active  
Engineering Number : FMP007P103

Documents & Resources

Drawings  
Drawing 1727040148\_sd.pdf

3D Models and Design Files  
3D Model 1727040148\_stp.zip

Specifications  
Packaging Specification 1731120008-PK-000.pdf

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(2023)8585-DC<br>(23 Jan 2024)                                     |
| EU RoHS            | Compliant with Exemption 6(c) per<br>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

## Part Details

### General

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                           |
| Category       | D-Sub Contacts                                                                                                                   |
| Series         | 172704                                                                                                                           |
| Description    | FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 40.0A, 8-12 AWG |
| Contact Type   | High Power                                                                                                                       |
| Magnetic       | Yes                                                                                                                              |
| Product Family | FCT D-Sub Connectors                                                                                                             |
| Product Name   | FCT Products                                                                                                                     |
| Type           | Mixed Layout                                                                                                                     |
| UPC            | 889056020596                                                                                                                     |

### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 40.0A |
|-------------------------------|-------|

### Physical

|                                |                  |
|--------------------------------|------------------|
| Durability (mating cycles max) | 500              |
| Gender                         | Male             |
| 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 | Solder Cup |
| Wire Size (AWG)   | 8, 10, 12  |

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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 | <u>1731121747</u> |

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