Part Number : 1731120281

Product Description : FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 30.0A, 10-12 AWG

Series Number : 173112

Status : Active

Product Category : D-Sub Contacts

Engineering Number : FMP105P103

## Documents & Resources

### Drawings

Drawing_1731120281_sd.pdf

### 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)3788-DC (14 Jun 2023) |
| 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 Contacts |
| Series | 173112 |
| Description | FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 30.0A, 10-12 AWG |
| Contact Type | High Power |
| Product Family | FCT D-Sub Connectors |
| Product Name | FCT Products |
| Type | Mixed Layout |
| UPC | 889056722940 |

### Electrical

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

### 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) | 10, 12 |

## Use with Part(s)

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

## Application Tooling

### Global

| Description | Part Number |
| --- | --- |
| FCT Removal Tool for Size 8 Contacts | 1731121747 |