Part Number : 1731120303
Product Description : FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 40.0A, 18-2 AWG
Series Number : 173112
Status : Active
Product Category : D-Sub Contacts
Engineering Part Number : FMP051P103



Documents and Resources

Drawings

1731120303_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	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 (25 June 2025) SCIP:c2405610-17da-4f4a-be57-4439d78c782a
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

- EU RoHS

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- 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

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, 40.0A, 18-2 AWG
Contact Type	High Power
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056795838

Electrical

Current - Maximum per Contact	40.0A

Physical

Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Plating Mating	Gold over Nickel

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Material - Plating Termination	Gold over Nickel
Material - Retaining Clip	Copper Alloy
Net Weight	2.000/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

Mates With / Use With

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

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