



Part Number : 1727040187

Series Number : 172704
Product Category : D-Sub Contacts

Product Description : FCT High Power Contact,
Male, Straight, Solder Cup, 0.20µm Gold
Mating Plating, 5.00µm Tin Termination
Plating, 40.0A, 8-12 AWG
Status : Active
Engineering Number : FMP007P105

Documents & Resources

Drawings

Drawing 1727040187_sd.pdf

3D Models and Design Files

3D Model 1727040187_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 (23 Jan 2024)
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

Part Details

General

Status	Active
Category	D-Sub Contacts
Series	172704
Description	FCT High Power Contact, Male, Straight, Solder Cup, 0.20µm Gold Mating Plating, 5.00µm Tin 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	889056062633

Electrical

Current - Maximum per Contact	40.0A
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Physical

Durability (mating cycles max)	200
Gender	Male
Material - Contact	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Retaining Clip	Copper Alloy
Net Weight	2.100/g
Orientation	Straight
Packaging Type	Bag
Plating min - Mating	0.200µm
Plating min - Termination	5.000µm
Temperature Range - Operating	-55° to +155°C

Termination Style	Solder Cup
Wire Size (AWG)	8, 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	<u>1731121747</u>
