Part Number : 1731120043
Product Description : FCT High Power Contact, Female, Straight, Solder Cup, 0.10µm Gold over Nickel Phosphorus Mating Plating, 5.00µm Tin Termination Plating, Split Tine, 40.0A, 18-2 AWG
Series Number : 173112
Status : Active
Product Category : D-Sub Contacts
Engineering Part Number : FMP007S203



Documents and Resources

Drawings

1731120043_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

1731120008-PK-000.pdf

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)7771-DC (04 Feb 2026)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- 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, Female, Straight, Solder Cup, 0.10µm Gold over Nickel Phosphorus Mating Plating, 5.00µm Tin Termination Plating, Split Tine, 40.0A, 18-2 AWG
Contact Type	High Power
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056322843

Electrical

Current - Maximum per Contact	40.0A

Physical

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

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Material - Plating Termination	Tin over Nickel
Material - Retaining Clip	Copper Alloy
Net Weight	1.900/g
Orientation	Straight
Packaging Type	Bag
Plating min - Mating	0.100µm
Plating min - Termination	5.000µm
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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