



Part Number : [1731120461](#)

Product Description : FCT High Voltage Contact, Female, Straight, PCB Press-Fit, 0.50µm Gold Mating Plating, 5.00µm Tin Termination Plating, Split Tine, with Plastic Retention Clip, 30.0A, 12-10 AWG

Series Number : 173112

Status : Active

Product Category : D-Sub Contacts

Engineering Number : FMP166S143K



Documents & Resources

Drawings

[1731120461_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

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(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

- EU RoHS
- 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 Voltage Contact, Female, Straight, PCB Press-Fit, 0.50µm Gold Mating Plating, 5.00µm Tin Termination Plating, Split Tine, with Plastic Retention Clip, 30.0A, 12-10 AWG
Contact Type	High Power
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191128237635

Electrical

Current - Maximum per Contact	30.0A
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Physical

Durability (mating cycles min)	200
Gender	Female
Material - Contact	Copper Alloy
Material - Insulator	PTFE

Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Retaining Clip	PEI
Net Weight	1.300/g
Orientation	Straight
Packaging Type	Bag
Plating min - Mating	0.500µm
Plating min - Termination	5.000µm
Temperature Range - Operating	-55° to +125°C
Termination Style	Press-Fit
Wire Size (AWG)	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	<u>1731121747</u>