



Part Number : [1731120036](#)

**Product Description** : FCT High Power Contact, Male, Straight, Crimp, 0.10µm Gold over Nickel Phosphorus Mating Plating, 0.20µm Gold over Nickel Termination Plating, 40.0A, 8-10 AWG

Series Number : 173112

Status : Active

Product Category : D-Sub Contacts

Engineering Number : FMP004P204

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## Documents & Resources

### Drawings

[Drawing 1731120036\\_sd.pdf](#)

### Specifications


[Application Specification 2195600660-000.pdf](#)

[Packaging Specification 1731120008-PK-000.pdf](#)

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## 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(2022)4187-DC (10 June 2022)
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)

## Part Details

### General

Status	Active
Category	D-Sub Contacts
Series	173112
Description	FCT High Power Contact, Male, Straight, Crimp, 0.10µm Gold over Nickel Phosphorus Mating Plating, 0.20µm Gold over Nickel Termination Plating, 40.0A, 8-10 AWG
Contact Type	High Power
Product Family	FCT D-Sub Connectors
Product Name	FCT Products
Type	Mixed Layout
UPC	889056322775

### 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 Phosphorus
Material - Plating Termination	Gold over Nickel
Material - Retaining Clip	Copper Alloy
Net Weight	2.400/g
Orientation	Straight
Packaging Type	Bag
Plating min - Mating	0.100µm
Plating min - Termination	0.200µm
Temperature Range - Operating	-55° to +155°C
Termination Style	Crimp
Wire Size (AWG)	8, 10

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## Use with Part(s)

Description	Part Number
Use With	FCT Mixed Layout Connectors

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## Application Tooling

### Global

Description	Part Number
FCT Hand Crimp Tool, 8-Step Adjust	<u>1731121731</u>
FCT Locator for High Power Contacts	<u>1731121734</u>
FCT Removal Tool for Size 8 Contacts	<u>1731121747</u>