



Part Number : [1727040146](#)
Product Description : FCT High Power Contact,
Male, Straight, Solder Cup, 0.80µm Gold Mating
Plating, 0.20µm Gold Termination Plating, 10.0A, 20-16
AWG
Series Number : 172704
Status : Active
Product Category : D-Sub Contacts
Engineering Part Number : FMP005P103



Documents and Resources

Drawings

[1727040146_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Specifications

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

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 3; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Relevant
REACH SVHC	Contains Lead per D(2025)4165-DC (25 June 2025) SCIP:948197a4-a144-44f0-a7aa-eab2bf10300c
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	172704
Description	FCT High Power Contact, Male, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, 10.0A, 20-16 AWG
Contact Type	High Power
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056020572

Electrical

Current - Maximum per Contact	10.0A
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Physical

Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy

Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Gold over Nickel
Material - Retaining Clip	Copper Alloy
Net Weight	1.900/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)	16, 18, 20

Mates With / Use With

Mates with Part(s)

Description	Part Number
FCT High Power Contact, Female, Straight, Solder Cup, 0.80µm Gold Mating Plating, 0.20µm Gold Termination Plating, Split Tine, 10.0A, 20-16 AWG	<u>1727040154</u>

Use with Part(s)

Description	Part Number
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 9 Circuits Max, 5 Signal Contacts Loaded, Green Insulator	<u>1731070061</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 7 Circuits Max, 5 Signal Contacts Loaded, Green Insulator	<u>1731070059</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell	<u>1731070069</u>

with Dimples, 24 Circuits Max, 17 Signal Contacts Loaded, Green Insulator	
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 11 Circuits Max, 10 Signal Contacts Loaded, Green Insulator	<u>1731070102</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Tin-plated Shell with Dimples, 11 Circuits Max, 10 Signal Contacts Loaded, Green Insulator	<u>1727040011</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 27 Circuits Max, 25 Signal Contacts Loaded, Green Insulator	<u>1731070112</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 5 Circuits Max, 4 Signal Contacts Loaded, Green Insulator	<u>1731070363</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 17 Circuits Max, 15 Signal Contacts Loaded, Green Insulator	<u>1731070065</u>
FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 21 Circuits Max, 17 Signal Contacts Loaded, Green Insulator	<u>1731070067</u>
FCT Mixed Layout D-Sub Housing, Male, Tin-plated Shell with Dimples, 3 Circuits Unloaded,	<u>1727040031</u>

Green Insulator	
FCT Mixed Layout D-Sub Housing, Male, Tin-plated Shell with Dimples, 8 Circuits Unloaded, Green Insulator	<u>1727040037</u>
FCT Mixed Layout D-Sub Housing, Male, Tin-plated Shell with Dimples, 5 Circuits Unloaded, Green Insulator	<u>1727040033</u>
FCT Mixed Layout D-Sub Housing, Male, Tin-plated Shell with Dimples, Polarized, 2 Circuits Unloaded, Black Insulator	<u>1727040041</u>

Application Tooling

Global

Description	Part Number
FCT Removal Tool for Size 8 Contacts	<u>1731121747</u>