



Part Number : [1731090072](#)

Product Description : FCT Standard-Density D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, 500 Mating Cycles, 50 Circuits, White Insulator

Series Number : 173109

Status : Active

Product Category : D-Sub Connectors

Engineering Number : F50P0G1

Documents & Resources

Drawings

[Drawing 1731090072_sd.pdf](#)

3D Models and Design Files

[3D Model 1731090072_stp.zip](#)


Specifications

[Product Specification 1727040001-PS-000.pdf](#)

[Test Summary 1727040000-TS-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)3788-DC (14 Jun 2023)
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)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	D-Sub Connectors
Series	173109
Description	FCT Standard-Density D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, 500 Mating Cycles, 50 Circuits, White Insulator
IP Rating	IP20
Product Family	FCT D-Sub Connectors
Product Name	FCT Products
Type	Standard Density
UPC	889056319102

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	White
Durability (mating cycles max)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	17.200/g
Number of Rows	3
Orientation	Straight
Packaging Type	Carton

Panel Mount	Rear
Panel Mount Method	Flange
PC Tail Length	7.40mm
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	No
Ports	1
Temperature Range - Operating	-55° to +125°C
Termination Style	Solder
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20
Wire Size (AWG)	20

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCT Standard-Density D-Sub, Size 5, 50 Position, Socket