Part Number : 1731070590
Product Description : FCT Mixed Layout D-Sub Connector, Female, Straight, PCB Through Hole, Gold Plating, Tin-plated Shell, #4-40 Clinch Nut, 5 Circuits Max, 4 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Number : FMT5W1S1-K121



Documents & Resources

Drawings

1731070590_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)4165-DC (25 June 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 Connectors
Series	173107
Description	FCT Mixed Layout D-Sub Connector, Female, Straight, PCB Through Hole, Gold Plating, Tin-plated Shell, #4-40 Clinch Nut, 5 Circuits Max, 4 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191128872522

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	4
Circuits (maximum)	5
Color - Resin	Green
Durability (mating cycles min)	500
Gender	Female

Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	5.800/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	10.30mm
Plating - Contact	Gold over Nickel
Plating min - Mating	0.800µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-55° to +130°C
Termination Style	Through Hole
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 1, 5W1, Plug

Use with Part(s)

Description	Part Number
Use With	FCT Coaxial, High Power, High Voltage, or Pneumatic Contacts

This document was generated on Sep 23, 2025