Part Number : 1731070649
Product Description : FCT Mixed Layout D-Sub Connector, Male, Right-Angle, PCB Through Hole, Gold Plating, Tin-plated Shell, 6.20mm #4-40 Front Threaded Spacer, 14.50mm Metal Bracket, 25 Circuits Max, 22 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FM25W3P71-0658



Documents and Resources

Drawings

1731070649_sd.pdf

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(2025)4165-DC (25 June 2025)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- 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, Male, Right-Angle, PCB Through Hole, Gold Plating, Tin-plated Shell, 6.20mm #4-40 Front Threaded Spacer, 14.50mm Metal Bracket, 25 Circuits Max, 22 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191130045648

Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

Physical

Circuits (Loaded)	22
Circuits (maximum)	25

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Color - Resin	Green
Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	18.100/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Retention	Yes
PC Tail Length	8.00mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel
Plating min - Mating	0.800µm
Plating min - Termination	0.800µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Shell Size	4
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 4, 25W3, Socket

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Use with Part(s)

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

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