Part Number : 1731070481
Product Description : FCT Mixed Layout D-Sub Connector, Male, Right-Angle, PCB Through Hole, Gold Plating, Tin-plated Shell with Dimples, 14.50mm Riveted Metal Bracket, 6.20mm #4-40 Front Threaded Spacer, 21 Circuits Loaded (4 High Power, 17 Signal), Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : FM21WA4P5-0719



Documents and Resources

Drawings

1731070481_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(2023)3788-DC (14 Jun 2023) SCIP:7d928c20-19e9-4f7f-9f6d-24b08ded9bc2
EU RoHS	Compliant with Exemption 6(c); 6(a)-I per EU 2015/863

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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, Male, Right-Angle, PCB Through Hole, Gold Plating, Tin-plated Shell with Dimples, 14.50mm Riveted Metal Bracket, 6.20mm #4-40 Front Threaded Spacer, 21 Circuits Loaded (4 High Power, 17 Signal), Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191128256735

Electrical

Current - Maximum per Contact	7.5A, 20.0A
Shielded	Yes

Physical

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Circuits (Loaded)	21
Circuits (maximum)	21
Color - Resin	Green
Durability (mating cycles min)	500
Gender	Male
Material - Contact	Copper Alloy
Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	26.500/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Thread-In
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	11.10mm
Plating - Contact	Gold over Nickel | Gold/Tin over Nickel
Plating min - Mating	0.800µm
Plating min - Termination	0.800µm, 5.000µm
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)

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Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 4, 21WA4, Socket

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