Part Number : 1731130238
Product Description : FCT High-Density D-Sub Connector, Female, Straight, PCB Through Hole, Gold Plating, 5.60mm Snap-in Bolt, 78 Circuits
Series Number : 173113
Status : Active
Product Category : D-Sub Connectors
Engineering Part Number : CT50-78S1-0981



Documents and Resources

Drawings

1731130238_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	Not Reviewed per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant with Exemption 6(c) per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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- 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	173113
Description	FCT High-Density D-Sub Connector, Female, Straight, PCB Through Hole, Gold Plating, 5.60mm Snap-in Bolt, 78 Circuits
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	High Density
UPC	191130163038

Electrical

Current - Maximum per Contact	3.0A
Shielded	Yes

Physical

Circuits (Loaded)	78
Circuits (maximum)	78
Color - Resin	Black
Durability (mating cycles min)	50
Gender	Female
Material - Contact	Copper Alloy

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Material - Resin	Polybutylene Terephthalate (PBT)
Material - Shell	Steel
Net Weight	19.900/g
Number of Rows	3
Orientation	Straight
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	9.50mm
Pitch - Mating Interface	2.08mm
Pitch - Termination Interface	2.08mm
Plating - Contact	Gold over Nickel
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Shell Size	5
Temperature Range - Operating	-55° to +105°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 High-Density D-Sub, Size 5, 78 Position, Plug

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