



**Part Number :** 1731070333

**Product Description :** FCT Mixed Layout D-Sub Connector, Female, Right-Angle, PCB Through Hole, Gold Plating, Tin-plated Shell, 14.50mm Riveted Metal Bracket and #4-40 Clinch Nut, 21 Circuits Max, 20 Signal Contacts Loaded, Green Insulator



**Series Number :** 173107

**Status :** Active

**Product Category :** D-Sub Connectors

**Engineering Number :** FM21W1S5-1002

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## Documents & Resources

### Drawings

[1731070333\\_sd.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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## 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(2024)7663-DC (21 Jan 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

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## **Part Details**

### **General**

Status	Active
Category	D-Sub Connectors
Series	173107
Description	FCT Mixed Layout D-Sub Connector, Female, Right-Angle, PCB Through Hole, Gold Plating, Tin-plated Shell, 14.50mm Riveted Metal Bracket and #4-40 Clinch Nut, 21 Circuits Max, 20 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	191128207614

### **Electrical**

Current - Maximum per Contact	7.5A
Shielded	Yes

### **Physical**

Circuits (Loaded)	20
Circuits (maximum)	21
Color - Resin	Green

Durability (mating cycles min)	500
Gender	Female
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	16.700/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	2.40mm
PC Tail Length	11.10mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.54mm
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 3, 21W1, Plug

## Use with Part(s)

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

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This document was generated on Sep 10, 2025