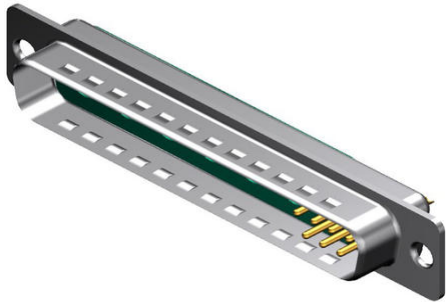




**Part Number :** [1731070104](#)  
**Product Description :** FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 13 Circuits Max, 7 Signal Contacts Loaded, Green Insulator  
**Series Number :** 173107  
**Status :** Active  
**Product Category :** D-Sub Connectors  
**Engineering Number :** FM13W6P-K120



## Documents & Resources

### Drawings

[1731070104\\_sd.pdf](#)

### 3D Models and Design Files

[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	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
- 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, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 13 Circuits Max, 7 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056324816

### Electrical

Current - Maximum per Contact	7.5A
Shielded	Yes

### Physical

Circuits (Loaded)	7
Circuits (maximum)	13
Color - Resin	Green
Durability (mating cycles min)	500

Gender	Male
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	10.400/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Front or Rear
Panel Mount Method	Flange
PCB Retention	None
PC Tail Length	7.40mm
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel
Plating min - Mating	0.800µm
Plating - Shell	Tin
Polarized to Mating Part	Yes
Polarized to PCB	No
Ports	1
Temperature Range - Operating	-55° to +130°C
Termination Style	Solder Cup
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20
Wire Size (AWG)	20

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 4, 13W6, Socket

### Use with Part(s)

Description	Part Number
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Use With	FCT Coaxial, High Power, High Voltage, or Pneumatic Contacts
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This document was generated on Sep 10, 2025