



**Part Number :** [1727040021](#)

**Product Description :** FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Tin-plated Shell with Dimples, 21 Circuits Max, 20 Signal Contacts Loaded, Green Insulator

**Series Number :** 172704

**Status :** Active

**Product Category :** D-Sub Connectors

**Engineering Number :** FM21W1PA-K120



## Documents & Resources

### Drawings

[1727040021 sd.pdf](#)


[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(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

---

## Part Details

### General

Status	Active
Category	D-Sub Connectors
Series	172704
Description	FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Tin-plated Shell with Dimples, 21 Circuits Max, 20 Signal Contacts Loaded, Green Insulator
IP Rating	IP20
Magnetic	Yes
Product Name	FCT Products
Type	Mixed Layout
UPC	889056019323

### 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	Male
Material - Contact	Copper Alloy
Material - Resin	PBT
Material - Shell	Steel
Net Weight	10.100/g
Number of Rows	2
Orientation	Straight
Packaging Type	Carton
Panel Mount	Rear
Panel Mount Method	Flange
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.84mm
Pitch - Termination Interface	2.84mm
Plating - Contact	Gold over Nickel Phosphorus
Plating - Shell	Tin
Polarized to Mating Part	Yes
Ports	1
Temperature Range - Operating	-55° to +130°C
Termination Style	Solder Cup
Waterproof / Dustproof	No
Waterproof / Dustproof Type	IP20
Wire Size (AWG)	20

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mates With	FCT Mixed Layout D-Sub, Size 3, 21W1, Socket

### Use with Part(s)

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

---

This document was generated on Sep 11, 2025