**Part Number :** 1731070068
**Product Description :** FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 21 Circuits Max, 17 Signal Contacts Loaded, Green Insulator
**Series Number :** 173107
**Status :** Active
**Product Category :** D-Sub Connectors
**Engineering Number :** FM21WA4S-K121



## Documents & Resources

### Drawings

1731070068_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; pyrochlore, antimony lead yellow 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, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 21 Circuits Max, 17 Signal Contacts Loaded, Green Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Mixed Layout |
| UPC | 889056318921 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 7.5A |
| Shielded | Yes |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 17 |
| 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 | 13.800/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 |
| Plating min - Mating | 0.800µm |
| 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 4, 21WA4, Plug |

### Use with Part(s)

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