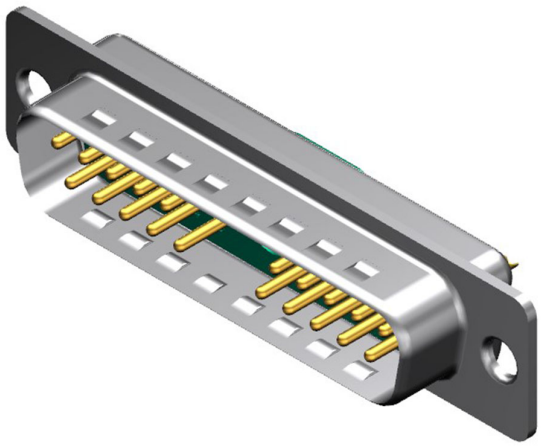
Part Number : 1731070108
Product Description : FCT Mixed Layout D-Sub Connector, Male, Straight, Solder Cup, Gold Plating, Tin-plated Shell with Dimples, 21 Circuits Max, 20 Signal Contacts Loaded, Green Insulator
Series Number : 173107
Status : Active
Product Category : D-Sub Connectors
Engineering Number : FM21W1P-K120



## Documents & Resources

### Drawings
1731070108_sd.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| 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 |

Multiple Part Product Compliance Statements
- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

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- chemSHERPA (xml)

EU RoHS Certificate of Compliance

## 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, 21 Circuits Max, 20 Signal Contacts Loaded, Green Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Mixed Layout |
| UPC | 889056324854 |

### Electrical

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

### Physical

| | |
|---|---|
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 21 |
| Color - Resin | Green |
| 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 | Front or Rear |

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| | |
|---|---|
| Panel Mount Method | Flange |
| PC Tail Length | 7.40mm |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| 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 | 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 |

## 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 |

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