



Part Number : 1731070060

Series Number : 173107

Product Category : D-Sub Connectors

Product Description : FCT Mixed Layout D-Sub Connector, Female, Straight, Solder Cup, Gold Plating, Tin-plated Shell, 7 Circuits Max, 5 Signal Contacts Loaded, Green Insulator

Status : Active

Engineering Number : FM7W2S-K121

Documents & Resources

Drawings


Drawing 1731070060_sd.pdf

3D Models and Design Files

3D Model 1731070060_stp.zip

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Contains Lead per D(2024)4144-DC (27 June 2024) |
| 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
- chemSHERPA (xml)

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, 7 Circuits Max, 5 Signal Contacts Loaded, Green Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Family | FCT D-Sub Connectors |
| Product Name | FCT Products |
| Type | Mixed Layout |
| UPC | 889056316996 |

Electrical

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

Physical

| | |
|--------------------------------|--------------|
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 7 |
| Color - Resin | Green |
| Durability (mating cycles max) | 500 |
| Gender | Female |
| Material - Contact | Copper Alloy |
| Material - Resin | PBT |
| Material - Shell | Steel |
| Net Weight | 6.700/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 2, 7W2, Plug |

Use with Part(s)

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