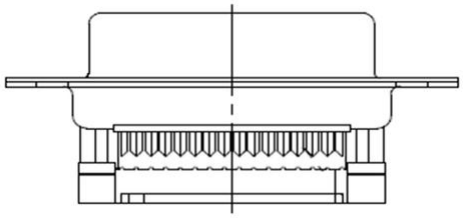
**Part Number :** 1727040068
**Product Description :** FCT Standard-Density D-Sub Connector, Female, Straight, IDC Ribbon, 0.20µm Gold Plating, 25 Circuits, Black Insulator
**Series Number :** 172704
**Status :** Active
**Product Category :** D-Sub Connectors
**Engineering Part Number :** F25S15-K49



## Documents and Resources

### Drawings

1727040068_sd.pdf

### Specifications

1731120006-PK-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant 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

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- 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 | 172704 |
| Description | FCT Standard-Density D-Sub Connector, Female, Straight, IDC Ribbon, 0.20µm Gold Plating, 25 Circuits, Black Insulator |
| IP Rating | IP20 |
| Magnetic | Yes |
| Product Name | FCT Products |
| Type | Standard Density |
| UPC | 889056019798 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Shielded | Yes |

### Physical

| | |
|---|---|
| Circuits (Loaded) | 25 |
| Circuits (maximum) | 25 |
| Color - Resin | Black |
| Durability (mating cycles min) | 50 |
| Gender | Female |
| Material - Contact | Copper Alloy |
| Material - Resin | Polybutylene Terephthalate (PBT) |
| Material - Shell | Steel |
| Net Weight | 16.000/g |

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| | |
|---|---|
| Number of Rows | 2 |
| Orientation | Straight |
| Packaging Type | Tray |
| Panel Mount | Rear |
| Panel Mount Method | Flange |
| PCB Locator | No |
| PCB Retention | No |
| Pitch - Mating Interface | 2.84mm |
| Pitch - Termination Interface | 2.84mm |
| Plating - Contact | Gold over Nickel |
| Plating min - Mating | 0.200µm |
| Plating min - Termination | 2.000µm |
| Plating - Shell | Tin |
| Polarized to Mating Part | Yes |
| Ports | 1 |
| Shell Size | 3 |
| Temperature Range - Operating | -55° to +130°C |
| Termination Style | IDC Ribbon |
| Waterproof / Dustproof | No |
| Waterproof / Dustproof Type | IP20 |
| Wire Size (AWG) | 28 |

### Solder Process Data

| | |
|---|---|
| Lead-Free Process Capability | N/A |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mates With | FCT Standard-Density D-Sub, Size 3, 25 Position, Plug |



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