



**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         | <br>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               |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number                                    |
|-------------|--|
| Mates With  | FCT Mixed Layout D-Sub, Size 4,<br>21WA4, Plug |

### Use with Part(s)

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

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This document was generated on Sep 10, 2025