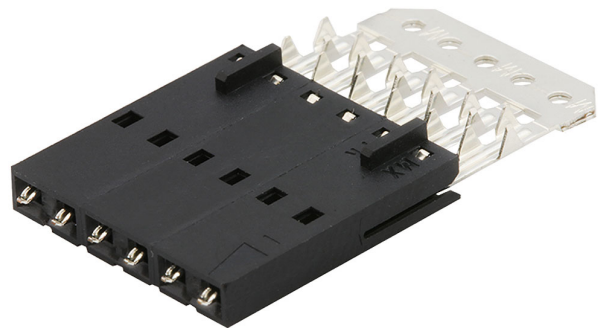




Part Number : [15475120](#)  
Product Description : SL FFC/FPC Connector -  
Single Row Male Version D, 12 Circuits  
Series Number : 70431  
Status : Active  
Product Category : FFC / FPC Connectors  
Engineering Number : 70431-0256



Documents & Resources

Drawings  
[015475120\\_sd.pdf](#)

3D Models and Design Files  
[015475120\\_stp.zip](#)

Specifications  
[PS-70430-001.pdf](#)

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         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant 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)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|              |                                                                  |
|--------------|------------------------------------------------------------------|
| Status       | Active                                                           |
| Category     | FFC / FPC Connectors                                             |
| Series       | 70431                                                            |
| Description  | SL FFC/FPC Connector - Single Row<br>Male Version D, 12 Circuits |
| Comments     | Male                                                             |
| Product Name | SL                                                               |
| UPC          | 800755017885                                                     |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum             | 250V |

#### Physical

|                                |                 |
|--------------------------------|-----------------|
| Actuator Type                  | N/A             |
| Circuits (Loaded)              | 12              |
| Color - Resin                  | Black           |
| Contact Position               | N/A             |
| Durability (mating cycles max) | 50              |
| Flammability                   | 94V-0           |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |

|                                |                 |
|--------------------------------|-----------------|
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester Alloy |
| Net Weight                     | 1.843/g         |
| Number of Rows                 | 1               |
| Orientation                    | Vertical        |
| Packaging Type                 | Tube            |
| PCB Locator                    | No              |
| PCB Mounting                   | N/A             |
| PCB Retention                  | None            |
| Pitch - Mating Interface       | 2.54mm          |
| Pitch - Termination Interface  | 2.54mm          |
| Plating min - Mating           | 0.381µm         |
| Plating min - Termination      | 1.905µm         |
| Polarized to PCB               | No              |
| Stackable                      | Yes             |
| Temperature Range - Operating  | -40° to +105°C  |
| Wire/Cable Type                | FFC/FPC         |

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## Application Tooling

### Global

| Description                                                                                                                                    | Part Number      |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Tool Kit for Standard Manual Press<br>FFC                                                                                                      | <u>622007400</u> |
| Standard Manual Press for FFC                                                                                                                  | <u>622007800</u> |
| FFC 2 thru 20 Circuit Termination<br>Kit for use in the Molex TM-3000 or<br>TM-4000 press installed into the<br>TM-42 Replacement Crimp Module | <u>638018550</u> |