



**Part Number :** [5051102491](#)  
**Product Description :** Easy-On FFC/FPC Connector 0.50mm Pitch, FD19 Series, Right-Angle, Bottom Contact, 1.90mm Height, 24 Circuits, Gold over Nickel Plating  
**Series Number :** 505110  
**Status :** Active  
**Product Category :** FFC / FPC Connectors



## Documents & Resources

**Drawings**  
[5051102491\\_sd.pdf](#)

**3D Models and Design Files**  
[5051102491\\_stp.zip](#)

**Specifications**  
[5051109200-200.pdf](#)  
[5051100000-PS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                       |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)7663-DC (21 Jan 2025)                                        |
| 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       | 505110                                                                                                                                    |
| Description  | Easy-On FFC/FPC Connector<br>0.50mm Pitch, FD19 Series, Right-Angle, Bottom Contact, 1.90mm Height, 24 Circuits, Gold over Nickel Plating |
| Series Name  | FD19                                                                                                                                      |
| Comments     | Black Actuator                                                                                                                            |
| Product Name | Easy-On                                                                                                                                   |
| UPC          | 887191626192                                                                                                                              |

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum             | 50V  |

#### Physical

|                                |                        |
|--------------------------------|------------------------|
| Actuator Type                  | Front Flip             |
| Circuits (Loaded)              | 24                     |
| Color - Resin                  | Beige                  |
| Contact Position               | Bottom                 |
| Durability (mating cycles max) | 20                     |
| Mated Height                   | 1.90mm                 |
| Material - Metal               | Phosphor Bronze        |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 211.100/mg             |

|                               |                       |
|-------------------------------|-----------------------|
| Orientation                   | Right Angle           |
| Packaging Type                | Embossed Tape on Reel |
| PCB Locator                   | No                    |
| PCB Mounting                  | Surface Mount         |
| PCB Retention                 | Yes                   |
| Pitch - Mating Interface      | 0.50mm                |
| Pitch - Termination Interface | 0.50mm                |
| Plating min - Mating          | 0.051µm               |
| Plating min - Termination     | 0.051µm               |
| Polarized to PCB              | Yes                   |
| Stackable                     | No                    |
| Temperature Range - Operating | -40° to +105°C        |
| Wire/Cable Type               | FFC/FPC               |

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## Mates With / Use With

### Mates with Part(s)

| Description                                   | Part Number  |
|-----------------------------------------------|--------------|
| 0.50mm Pitch Premo-Flex FFC Jumpers with Ears | <u>15018</u> |
| 0.50mm Pitch Premo-Flex FFC Jumpers           | <u>15020</u> |
| 0.50mm Pitch Premo-Flex FFC Jumpers           | <u>15120</u> |