



Part Number : [5051101297](#)

**Product Description :** Easy-On FFC/FPC Connector, 0.50mm Pitch, FD19 Series, Right-Angle, Bottom Contact, 1.90mm Height, 12 Circuits, 150°C Operating Temperature, Gold over Nickel Plating

Series Number : 505110

Status : Active

Product Category : FFC / FPC Connectors

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## Documents & Resources

### Drawings

[Drawing 5051101297\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 5051101297\\_stp.zip](#)

### Specifications

[Packaging Specification 5051109200-200.pdf](#)


[Packaging Specification 5051109200-201.pdf](#)

[Product Specification 5051100008-PS-000.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 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         | 505110   |
| Description    | Easy-On FFC/FPC Connector, 0.50mm Pitch, FD19 Series, Right-Angle, Bottom Contact, 1.90mm Height, 12 Circuits, 150°C Operating Temperature, Gold over Nickel Plating |
| Series Name    | FD19   |
| Comments       | Black Actuator   |
| Product Family | Easy-On FFC FPC Connectors   |
| Product Name   | Easy-On  |
| UPC            | 889056782302   |

### Electrical

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

### Physical

|                                |                        |
|--------------------------------|------------------------|
| Actuator Type                  | Front Flip             |
| Circuits (Loaded)              | 12                     |
| Color - Resin                  | Beige                  |
| Contact Position               | Bottom                 |
| Durability (mating cycles max) | 20                     |
| Mated Height                   | 1.90mm                 |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |

|                               |                       |
|-------------------------------|-----------------------|
| Net Weight                    | 121.600/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 +150°C        |
| Wire/Cable Type               | FFC/FPC               |