



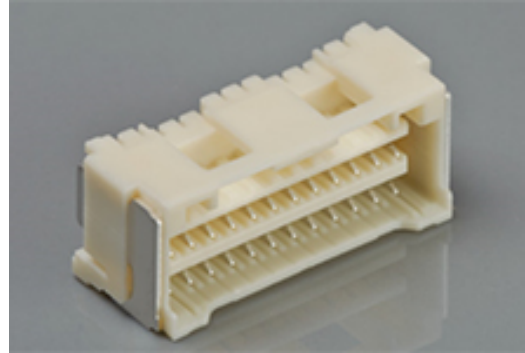
**Part Number :** [5031481690](#)

**Product Description :** 1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 16 Circuits, Natural

**Series Number :** 503148

**Status :** Active

**Product Category :** PCB Headers and Receptacles



---

## Documents & Resources

### Drawings

[5031481690\\_sd.pdf](#)

### 3D Models and Design Files

[5031481690.dxf](#)

[5031481690.pdf](#)

[5031481690\\_stp.zip](#)

### Specifications

[AS-503149-001-001.pdf](#)

[SPK-503148-001-001.pdf](#)

[5031491001-PS-000.pdf](#)

[5031490001-PS-000.pdf](#)

[5031491004-PS-000.pdf](#)

---

## Product Environment Compliance

### Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33            |
| China RoHS         |  |
| EU ELV             | Not Relevant                                   |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21             |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 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

---

**Part Details**

**General**

|                |  |
|----------------|--|
| Status         | Active   |
| Category       | PCB Headers and Receptacles  |
| Series         | 503148   |
| Description    | 1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Right-Angle, Tin Plating, Positive Lock, 16 Circuits, Natural |
| Application    | Signal, Wire-to-Board  |
| Component Type | PCB Receptacle   |
| Product Name   | CLIK-Mate  |
| UPC            | 883906560867   |

**Agency**

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum             | 100V |

**Physical**

|                                |         |
|--------------------------------|---------|
| Circuits (Loaded)              | 16      |
| Circuits (maximum)             | 16      |
| Color - Resin                  | Natural |
| Durability (mating cycles max) | 30      |

|                                |                       |
|--------------------------------|-----------------------|
| Glow-Wire Capable              | No                    |
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 9.20mm                |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Tin                   |
| Material - Resin               | Polyamide             |
| Net Weight                     | 1440.001/mg           |
| Number of Rows                 | 2                     |
| Orientation                    | Right Angle           |
| Packaging Type                 | Embossed Tape on Reel |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| PCB Thickness - Recommended    | 1.20mm, 1.70mm        |
| Pitch - Mating Interface       | 1.50mm                |
| Pitch - Termination Interface  | 0.75mm                |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | No                    |
| Robotic Placement              | Vacuum Pick-Up Area   |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface Style    | Surface Mount         |

---

## Mates With / Use With

### Mates with Part(s)

| Description                                   | Part Number   |
|---|---------------|
| 1.50mm Pitch CLIK-Mate Dual Row Plug Housings | <u>503149</u> |