



**Part Number :** [5031541690](#)

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

**Series Number :** 503154

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[5031541690\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[5031541690.dxf](#)

### Specifications

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

[SPK-503154-001-001.pdf](#)

[5031490000-PS-000.pdf](#)

[5031491000-PS-000.pdf](#)

[5031491003-PS-000.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                     |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                      |

|            |                                                |
|------------|------------------------------------------------|
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS    | Compliant 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       | PCB Headers and Receptacles                                                                                                 |
| Series         | 503154                                                                                                                      |
| Description    | 1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Vertical, Tin Plating, Positive Lock, 16 Circuits, Natural |
| Application    | Wire-to-Board                                                                                                               |
| Component Type | PCB Receptacle                                                                                                              |
| Product Name   | CLIK-Mate                                                                                                                   |
| UPC            | 883906426736                                                                                                                |

**Agency**

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

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
|-------------------------------|------|

|                   |      |
|-------------------|------|
| Voltage - Maximum | 100V |
|-------------------|------|

## Physical

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (Loaded)              | 16                    |
| Circuits (maximum)             | 16                    |
| Color - Resin                  | Natural               |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Capable              | No                    |
| Keying to Mating Part          | No                    |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 11.20mm               |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Tin                   |
| Material - Resin               | Polyamide (PA)        |
| Net Weight                     | 1479.360/mg           |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| 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  | 1.50mm                |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | No                    |
| Stackable                      | No                    |
| Temperature Range - Operating  | -40° to +105°C        |
| Termination Interface Style    | Surface Mount         |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|-------------|-------------|
|-------------|-------------|

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