



Part Number : [5031542090](#)

Product Description : 1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Vertical, Tin Plating, Positive Lock, 20 Circuits, Natural

Series Number : 503154

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 5031542090\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 5031542090\\_stp.zip](#)

### Specifications

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

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

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


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

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

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 44; 33; 34   |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Not 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       | PCB Headers and Receptacles   |
| Series         | 503154  |
| Description    | 1.50mm Pitch, CLIK-Mate PCB Receptacle, Dual Row, Surface Mount, Vertical, Tin Plating, Positive Lock, 20 Circuits, Natural |
| Application    | Signal, Wire-to-Board   |
| Component Type | PCB Receptacle  |
| Product Family | CLIK-Mate Wire-to-Board Connectors  |
| Product Name   | CLIK-Mate   |
| UPC            | 883906426743  |

#### Agency

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

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum             | 100V |

#### Physical

|                                |         |
|--------------------------------|---------|
| Circuits (Loaded)              | 20      |
| Circuits (maximum)             | 20      |
| Color - Resin                  | Natural |
| Durability (mating cycles max) | 30      |
| Glow-Wire Capable              | No      |

|                                |                       |
|--------------------------------|-----------------------|
| Keying to Mating Part          | None                  |
| Lock to Mating Part            | Yes                   |
| Mated Height                   | 11.20mm               |
| Material - Metal               | Copper Alloy          |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Tin                   |
| Material - Resin               | Polyamide             |
| Net Weight                     | 1694.001/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 Row Plug Housings | <u>503149</u> |