



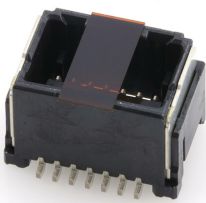
**Part Number :** [5054331481](#)

**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 14 Circuits, with Pick-and-Place Tape, Black

**Series Number :** 505433

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[5054331481\\_sd.pdf](#)

### 3D Models and Design Files

[5054331481.dxf](#)

[5054331481.pdf](#)

[5054331481\\_stp.zip](#)

### Specifications

[5054320000-AS-000.pdf](#)

[5054339200-200.pdf](#)

[2145270000-PS-000.pdf](#)

[5054320000-002.pdf](#)

[5054320000-005.pdf](#)

[5054321000-PS-002.pdf](#)

[5054321000-PS-006.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 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

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### Part Details

#### General

|                |                                                                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                        |
| Category       | PCB Headers and Receptacles                                                                                                                                   |
| Series         | 505433                                                                                                                                                        |
| Description    | 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 14 Circuits, with Pick-and-Place Tape, Black |
| Application    | Signal, Wire-to-Board                                                                                                                                         |
| Component Type | PCB Header                                                                                                                                                    |
| Product Name   | Micro-Lock Plus                                                                                                                                               |
| UPC            | 889056765299                                                                                                                                                  |

#### Agency

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

#### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 1.5A            |
| Voltage - Maximum             | 50V AC (RMS)/DC |

#### Physical

|                   |    |
|-------------------|----|
| Breakaway         | No |
| Circuits (Loaded) | 14 |

|                                |                       |
|--------------------------------|-----------------------|
| Circuits (maximum)             | 14                    |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Glow-Wire Capable              | No                    |
| Guide to Mating Part           | No                    |
| Keying to Mating Part          | Yes                   |
| Lock to Mating Part            | Yes                   |
| Material - Metal               | Brass                 |
| Material - Plating Mating      | Tin-Bismuth           |
| Material - Plating Termination | Tin-Bismuth           |
| Material - Resin               | Polyamide             |
| Net Weight                     | 975.453/mg            |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| Packaging Type                 | Embossed Tape on Reel |
| PCB Locator                    | No                    |
| PCB Retention                  | Yes                   |
| Pitch - Mating Interface       | 1.25mm                |
| Pitch - Termination Interface  | 1.25mm                |
| Plating min - Mating           | 1.000µm               |
| Plating min - Termination      | 1.000µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Robotic Placement              | Vacuum Pick-Up Tape   |
| Shrouded                       | Fully                 |
| 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 |
|-------------|-------------|
|-------------|-------------|

|                                                                    |               |
|--------------------------------------------------------------------|---------------|
| 1.25mm Pitch, Micro-Lock Plus Dual Row Receptacle Housings         | <u>505432</u> |
| 1.25mm Pitch Micro-Lock Plus TPA Type Dual Row Receptacle Housings | <u>214527</u> |

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