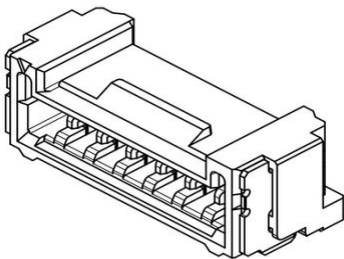




**Part Number :** [2045290231](#)  
**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, 0.38µm Gold Plating, Positive Lock, 2 Circuits, Low-Halogen, Black  
**Series Number :** 204529  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[2045290231 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[2045290231.dxf](#)

### Specifications

[5055650000-AS-000.pdf](#)

[2045299200-SPK-200.pdf](#)

[2045320000-PS-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 33; 44                                                                         |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                          |
| REACH SVHC         | Not Contained per D(2025)6375-DC (05 Nov 2025)                                                          |
| 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         | 204529                                                                                                                                               |
| Description    | 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, 0.38µm Gold Plating, Positive Lock, 2 Circuits, Low-Halogen, Black |
| Application    | Signal, Wire-to-Board                                                                                                                                |
| Component Type | PCB Header                                                                                                                                           |
| Product Name   | Micro-Lock Plus                                                                                                                                      |
| UPC            | 195842112773                                                                                                                                         |

### Agency

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

### Electrical

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

### Physical

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 2                     |
| Circuits (maximum)             | 2                     |
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Flammability                   | 94V-0                 |
| 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      | Gold                  |
| Material - Plating Termination | Gold                  |
| Material - Resin               | Polyamide             |
| Net Weight                     | 113.270/mg            |
| Number of Rows                 | 1                     |
| Orientation                    | Right Angle           |
| 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           | 0.380µm               |
| Plating min - Termination      | 0.050µm               |
| Polarized to Mating Part       | Yes                   |
| Polarized to PCB               | Yes                   |
| Robotic Placement              | Vacuum Pick-Up Area   |
| 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<br>Single Row Receptacle Housings | <u>204532</u> |

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