



**Part Number :** [5054482291](#)  
**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Right-Angle, Surface Mount, 0.10µm Gold Plating, Positive Lock, 22 Circuits, Black  
**Series Number :** 505448  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[5054482291\\_sd.pdf](#)

**3D Models and Design Files**  
[5054482291.dxf](#)  
[5054482291.pdf](#)  
[5054482291\\_stp.zip](#)

**Specifications**  
[5054320000-AS-000.pdf](#)  
[5054489200-200.pdf](#)  
[5054320000-006.pdf](#)  
[5054321000-PS-006.pdf](#)

## 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)4144-DC (27 June 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         | 505448                                                                                                                                 |
| Description    | 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Right-Angle, Surface Mount, 0.10µm Gold Plating, Positive Lock, 22 Circuits, Black |
| Application    | Signal, Wire-to-Board                                                                                                                  |
| Component Type | PCB Header                                                                                                                             |
| Product Name   | Micro-Lock Plus                                                                                                                        |
| UPC            | 193264148837                                                                                                                           |

### Agency

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

### Electrical

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

### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | No    |
| Circuits (Loaded)  | 22    |
| Circuits (maximum) | 22    |
| 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      | Gold                  |
| Material - Plating Termination | Gold                  |
| Material - Resin               | Polyamide             |
| Net Weight                     | 1893.340/mg           |
| Number of Rows                 | 2                     |
| 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           | 0.102µm               |
| Plating min - Termination      | 0.102µm               |
| 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         |

---

## Mates With / Use With

### Mates with Part(s)

| Description                                                | Part Number   |
|------------------------------------------------------------|---------------|
| 1.25mm Pitch, Micro-Lock Plus Dual Row Receptacle Housings | <u>505432</u> |

---

---

This document was generated on Dec 15, 2024