



**Part Number :** [5055680231](#)  
**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, 0.38µm Gold Plating, Positive Lock, 2 Circuits, with Pick-and-Place Tape, Black  
**Series Number :** 505568  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[Drawing 5055680231\\_sd.pdf](#)

### 3D Models and Design Files

- [2D Drawing DXF 5055680231.dxf](#)
- [2D Drawing DXF \(PDF\) 5055680231.pdf](#)
- [3D Model 5055680231\\_stp.zip](#)

### Specifications

- [Application Specification 5055650000-AS-000.pdf](#)
- [Packaging Specification 5055689200-200.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

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## Part Details

### General

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                         |
| Category       | PCB Headers and Receptacles                                                                                                                                    |
| Series         | 505568                                                                                                                                                         |
| Description    | 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, 0.38µm Gold Plating, Positive Lock, 2 Circuits, with Pick-and-Place Tape, Black |
| Application    | Signal, Wire-to-Board                                                                                                                                          |
| Component Type | PCB Header                                                                                                                                                     |
| Product Family | Micro-Lock Connector System                                                                                                                                    |
| Product Name   | Micro-Lock Plus                                                                                                                                                |
| UPC            | 193264127023                                                                                                                                                   |

### 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                    |
| 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                     | 115.510/mg            |
| Number of Rows                 | 1                     |
| 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           | 0.381µm               |
| Plating min - Termination      | 0.381µm               |
| 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 Single Row Receptacle Housings | <u>505565</u> |

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