



**Part Number :** [5055681171](#)

**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 11 Circuits, with Pick-and-Place Tape, Black

**Series Number :** 505568

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[5055681171 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5055681171.dxf](#)

### Specifications

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

[5055689200-200.pdf](#)


[5055650000-000.pdf](#)

[5055651000-PS-000.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |  |
|--------------------|--|
| GADSL/IMDS         | Compliant with Exemption 44; 33  |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant   |
| Low-Halogen Status | Not Low-Halogen per IEC<br>61249-2-21  |
| REACH SVHC         | Not Contained per D(2024)6225-DC   |

|         |                           |
|---------|---------------------------|
|         | (07 Nov 2024)             |
| 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

## 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, Tin-Bismuth Plating, Positive Lock, 11 Circuits, with Pick-and-Place Tape, Black |
| Application    | Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Name   | Micro-Lock Plus   |
| UPC            | 889056556538  |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.5A |
|-------------------------------|------|

|                   |                 |
|-------------------|-----------------|
| Voltage - Maximum | 50V AC (RMS)/DC |
|-------------------|-----------------|

## Physical

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 11                    |
| Circuits (maximum)             | 11                    |
| 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                     | 322.032/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           | 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         |

## Mates With / Use With

### Mates with Part(s)

| Description   | Part Number   |
|---|---------------|
| 1.25mm Pitch, Micro-Lock Plus<br>Single Row Receptacle Housings | <u>505565</u> |

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