



**Part Number :** [2077601271](#)

**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header with Potting Capability, Dual Row, Vertical, Surface Mount, Tin-Bismuth Plating, 12 Circuits, Low-Halogen, Black

**Series Number :** 207760

**Status :** Active

**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[2077601271\\_sd.pdf](#)

### 3D Models and Design Files

[2077601271.dxf](#)

[2077601271.pdf](#)

[2077601271\\_stp.zip](#)

### Specifications

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

[2077609200-SPK-200.pdf](#)

[2045230001-PS-000.pdf](#)

[2045231001-PS-000.pdf](#)

[2145270001-PS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 33; 44                                                       |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | 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         | 207760                                                                                                                                                    |
| Description    | 1.25mm Pitch, Micro-Lock Plus PCB Header with Potting Capability, Dual Row, Vertical, Surface Mount, Tin-Bismuth Plating, 12 Circuits, Low-Halogen, Black |
| Application    | Signal, Wire-to-Board                                                                                                                                     |
| Component Type | PCB Header                                                                                                                                                |
| Product Name   | Micro-Lock Plus                                                                                                                                           |
| UPC            | 193264084968                                                                                                                                              |

### Agency

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

### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 2.0A            |
| Voltage - Maximum             | 50V AC (RMS)/DC |

### Physical

|                    |    |
|--------------------|----|
| Breakaway          | No |
| Circuits (Loaded)  | 12 |
| Circuits (maximum) | 12 |

|                                |                       |
|--------------------------------|-----------------------|
| Color - Resin                  | Black                 |
| Durability (mating cycles max) | 30                    |
| First Mate / Last Break        | No                    |
| Flammability                   | 94V-1                 |
| 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                     | 981.420/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 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 Dual<br>Row Receptacle Housings             | <u>204523</u> |
| 1.25mm Pitch Micro-Lock Plus TPA<br>Type Dual Row Receptacle<br>Housings | <u>214527</u> |