

Part Number : 2077601471

Series Number : 207760

Product Category : PCB Headers and Receptacles

Product Description : 1.25mm Pitch, Micro-Lock Plus PCB Header with Potting Capability, Dual Row, Vertical, Surface Mount, Tin-Bismuth Plating, 14 Circuits, Low-Halogen, Black

Status : Active

## Documents & Resources

### Drawings

Drawing 2077601471\_sd.pdf

### 3D Models and Design Files

2D Drawing DXF 2077601471.dxf

2D Drawing DXF (PDF) 2077601471.pdf

3D Model 2077601471\_stp.zip

### Specifications

Application Specification 5054320000-AS-000.pdf

Packaging Specification 2077609200-SPK-200.pdf

Product Specification 2045230001-PS-000.pdf

Product Specification 2045231001-PS-000.pdf

Product Specification 2145270001-PS-000.pdf

## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 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, 14 Circuits, Low-Halogen, Black |
| Application    | Signal, Wire-to-Board   |
| Component Type | PCB Header  |
| Product Family | Micro-Lock Connector System   |
| Product Name   | Micro-Lock Plus   |
| UPC            | 193264085002  |

#### Agency

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

#### Electrical

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

#### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | No    |
| Circuits (Loaded)  | 14    |
| Circuits (maximum) | 14    |
| 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                     | 1068.940/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         |

## Mates With / Use With

### Mates with Part(s)

| Description   | Part Number   |
|---|---------------|
| 1.25mm Pitch Micro-Lock Plus Dual Row Receptacle Housings | <u>204523</u> |

1.25mm Pitch Micro-Lock Plus TPA  
Type Dual Row Receptacle  
Housings

214527

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