Part Number : 2059571671

Product Description : 1.25mm Pitch, Micro-Lock Plus PCB Header with Potting Capability, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 16 Circuits, with Pick-and-Place Tape, Low-Halogen, Black

Series Number : 205957

Status : Active

Product Category : PCB Headers and Receptacles

## Documents & Resources

### Drawings

Drawing 2059571671_sd.pdf

### 3D Models and Design Files

2D Drawing DXF 2059571671.dxf
2D Drawing DXF (PDF) 2059571671.pdf
3D Model 2059571671_stp.zip

### Specifications

Application Specification 5055650000-AS-000.pdf
Packaging Specification 2059579200-SPK-200.pdf
Product Specification 2045321001-PS-000.pdf
Product Specification 2045320001-PS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| 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

## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 205957 |
| Description | 1.25mm Pitch, Micro-Lock Plus PCB Header with Potting Capability, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 16 Circuits, with Pick-and-Place Tape, Low-Halogen, Black |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Family | Micro-Lock Connector System |
| Product Name | Micro-Lock Plus |
| UPC | 191130032419 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 3.6A |
| Voltage - Maximum | 50V AC (RMS)/DC |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |

| | |
|---|---|
| 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 | 561.510/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 | 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 Single Row Receptacle Housings | 204532 |

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