molex



**Part Number :** 2200291025
**Product Description :** Micro-One Wire-to-Board Header, Vertical, 2.00mm Pitch, Single Row, Glow-Wire Capable, Through Hole, 2 Circuits, Tin-Bismuth Plating, Black, with Potting Capability
**Series Number :** 220029
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents & Resources

### Drawings

2200291025_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

2200291025.dxf

### Specifications

2059790000-AS-000.pdf

2200299200-SPK-200.pdf

2059790000-PS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| 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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 220029 |
| Description | Micro-One Wire-to-Board Header, Vertical, 2.00mm Pitch, Single Row, Glow-Wire Capable, Through Hole, 2 Circuits, Tin-Bismuth Plating, Black, with Potting Capability |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Micro-One |
| UPC | 196823228780 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 4.0A |
| Voltage - Maximum | 250V 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 |
| Flammability | 94V-0 |
| Glow-Wire Capable | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin-Bismuth |
| Material - Plating Termination | Tin-Bismuth |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 689.200/mg |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Retention | Yes |
| PC Tail Length | 2.90mm |
| Pitch - Mating Interface | 2.00mm |
| Plating min - Termination | 1.000µm |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Micro-One Wire-to-Board Receptacle Housings | 205979 |
| Micro-One Single Row Receptacle Housings | 212724 |