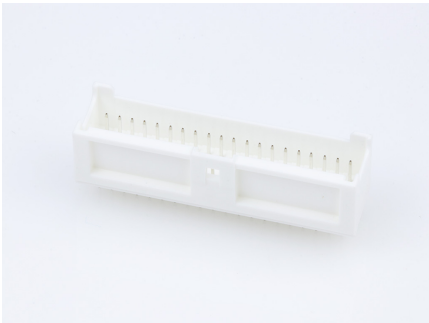




**Part Number :** [559174030](#)  
**Product Description :** 2.00mm Pitch  
MicroClasp Wire-to-Board Header, Dual Row,  
Vertical, 40 Circuits, without PCB Locator  
**Series Number :** 55917  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## Documents & Resources

### Drawings

[Drawing 559174030\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 559174030\\_stp.zip](#)

### Specifications

[Application Specification 561340000-AS-000.pdf](#)

[Packaging Specification 559179200-SPK-200.pdf](#)

[Product Specification PS-51353-003-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per D(2023)3788-DC (14 Jun 2023)                                        |
| 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         | 55917                                                                                              |
| Description    | 2.00mm Pitch MicroClasp Wire-to-Board Header, Dual Row, Vertical, 40 Circuits, without PCB Locator |
| Application    | Signal, Wire-to-Board                                                                              |
| Component Type | PCB Header                                                                                         |
| Product Family | MicroClasp Wire-to-Board System                                                                    |
| Product Name   | MicroClasp                                                                                         |
| UPC            | 756054339060                                                                                       |

#### Agency

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

#### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 3.0A             |
| Voltage - Maximum             | 250V AC (RMS)/DC |

#### Physical

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 40      |
| Circuits (maximum)             | 40      |
| Color - Resin                  | Natural |
| Durability (mating cycles max) | 30      |
| First Mate / Last Break        | No      |
| Flammability                   | 94V-0   |

|                                |                |
|--------------------------------|----------------|
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | Yes            |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 2700.500/mg    |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| Packaging Type                 | Tray           |
| PC Tail Length                 | 3.20mm         |
| PCB Locator                    | No             |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.60mm         |
| Pitch - Mating Interface       | 2.00mm         |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

---

## Mates With / Use With

### Mates with Part(s)

| Description                             | Part Number  |
|-----------------------------------------|--------------|
| MicroClasp Dual Row Receptacle Housings | <u>51353</u> |