



**Part Number :** [908143914](#)

**Product Description :** Picoflex PF-50 Header with PCB Pegs, Vertical, Low Profile, Surface Mount, Selective Gold (Au) Plating, 14 Circuits, Tape and Reel, Natural

**Series Number :** 90814

**Status :** Active

**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[908143914 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[908140000-AS-000.pdf](#)

[PS-99020-0011-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                              |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                              |
| Low-Halogen Status | Not 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         | 90814                                                                                                                                       |
| Description    | Picoflex PF-50 Header with PCB Pegs, Vertical, Low Profile, Surface Mount, Selective Gold (Au) Plating, 14 Circuits, Tape and Reel, Natural |
| Application    | Signal, Wire-to-Board                                                                                                                       |
| Comments       | Low Profile                                                                                                                                 |
| Component Type | PCB Header                                                                                                                                  |
| Product Name   | Picoflex                                                                                                                                    |
| UPC            | 800756884004                                                                                                                                |

### Agency

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

### Electrical

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 2.4A       |
| Voltage - Maximum             | 250V AC/DC |

### Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 14                             |
| Circuits (maximum)             | 14                             |
| Color - Resin                  | Natural                        |
| Durability (mating cycles max) | 100                            |
| 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 - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.741/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Embossed Tape on Reel          |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Pitch - Mating Interface       | 1.27mm                         |
| Pitch - Termination Interface  | 1.27mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 0.102µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | No                             |
| 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  |
|--------------------------------------------|--------------|
| Picoflex PF-50 Low Profile IDT Receptacles | <u>90327</u> |

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# Application Tooling

## Global

| Description                                                  | Part Number      |
|--------------------------------------------------------------|------------------|
| Extraction Tool for Picoflex PF-50 Connectors, 4-26 Circuits | <u>690081070</u> |