



Part Number : [907790004](#)

Product Description : Picoflex PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Capable, 10 Circuits, Glow-Wire Capable

Series Number : 90779

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[907790004_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

Specifications

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

[PK-90325-002-001.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)7771-DC (04 Feb 2026) |
| 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

Part Details

General

| | |
|-------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 90779 |
| Description | Picoflex PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Capable, 10 Circuits, Glow-Wire Capable |
| Application | Wire-to-Board |
| Comments | This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers |

| | |
|----------------|--|
| | using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. |
| Component Type | PCB Header |
| Product Name | Picoflex |
| UPC | 800753655799 |

Agency

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

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1.2A |
| Voltage - Maximum | 250V |

Physical

| | |
|--------------------------------|---------|
| Breakaway | No |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Gender | Male |
| Glow-Wire Capable | Yes |
| Guide to Mating Part | No |
| Keying to Mating Part | No |

| | |
|--------------------------------|--------------------------------|
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Mounting Style | Through Hole |
| Net Weight | 0.480/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 1.27mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 4.064µm |
| Plating min - Termination | 4.064µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Unshrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|------|
| Lead-Free Process Capability | WAVE |
|------------------------------|------|

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|--------------|
| Picoflex PF-50 Low Profile IDT Receptacles | <u>90327</u> |

Application Tooling

Global

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

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