Part Number : 907790002

Product Description : Picoflex PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Capable, 6 Circuits, Glow-Wire Capable

Series Number : 90779

Status : Active

Product Category : PCB Headers and Receptacles

## Documents & Resources

### Drawings

Drawing_907790002_sd.pdf

### 3D Models and Design Files

3D Model_907790002_stp.zip

### Specifications

Application Specification_908140000-AS-000.pdf
Packaging Specification_PK-90325-002-001.pdf
Product Specification_PS-99020-0011-001.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)8585-DC (23 Jan 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 | 90779 |
| Description | Picoflex PF-50 Header, Vertical, Low Profile, High Temperature Surface Mount Capable, 6 Circuits, Glow-Wire Capable |
| Application | Signal, 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 Family | Picoflex Ribbon-Cable Connectors |
| Product Name | Picoflex |
| UPC | 800753948587 |

## Agency

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

## Electrical

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

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | Yes |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.339/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 | No |
| 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 | 90327 |

### Application Tooling

### Global

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