**Part Number :** 908140212
**Product Description :** Picoflex PF-50 Header with PCB Pegs, Vertical, Standard Profile, Surface Mount, Tin (Sn) Plated, 12 Circuits, Tape and Reel, Natural
**Series Number :** 90814
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

908140212_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 | Compliant with Exemption 44; 33 |
| 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, Standard Profile, Surface Mount, Tin (Sn) Plated, 12 Circuits, Tape and Reel, Natural |
| Application | Signal, Wire-to-Board |
| Comments | Standard Profile |
| Component Type | PCB Header |
| Product Name | Picoflex |
| UPC | 800753655898 |

### Agency

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

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| 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 - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.801/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 | 3.048µm |
| Plating min - Termination | 3.048µm |
| 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 |

**Solder Process Data**

| | |
|---|---|
| Max-Duration | 5 |

| | |
|---|---|
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 232 |

## 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 |