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**Part Number:** [0908140914](#)  
**Status:** **Active**  
**Overview:** [Picoflex Ribbon-Cable Connectors](#)  
**Description:** Picoflex PF-50 Header with PCB Pegs, Vertical, Low Profile, Surface Mount, Tin (Sn) Plated, 14 Circuits, Tape and Reel, Natural

**Documents:**

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-99020-0011-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |
| <a href="#">3D Model (PDF)</a> |                                                               |

**Agency Certification**

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

**Application tooling part link**

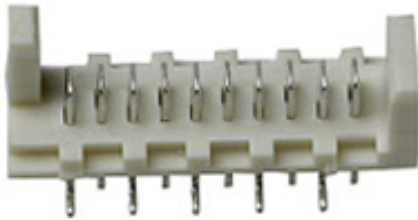
|                               |            |
|-------------------------------|------------|
| Application Tooling Part Link | 69008-1070 |
|-------------------------------|------------|

**General**

|                |                                                  |
|----------------|--------------------------------------------------|
| Product Family | PCB Headers                                      |
| Series         | 90814                                            |
| Application    | Signal, Wire-to-Board                            |
| Comments       | Low Profile                                      |
| Overview       | <a href="#">Picoflex Ribbon-Cable Connectors</a> |
| Product Name   | Picoflex                                         |
| UPC            | 822350376686                                     |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 14                             |
| Circuits (maximum)             | 14                             |
| 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 - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.755/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Embossed Tape on Reel          |
| 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                             |
| Surface Mount Compatible (SMC) | Yes                            |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[90814](#) Series

**Mates With**

[90327](#) IDT Connector

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

Extraction Tool  
for Picoflex PF-50  
Connectors, 4-26  
Circuits

[690081070](#)

|                                                |                              |
|------------------------------------------------|------------------------------|
| Temperature Range - Operating                  | -40° to +105°C               |
| Termination Interface: Style                   | Surface Mount                |
| <b>Electrical</b>                              |                              |
| Current - Maximum per Contact                  | 2.4A                         |
| Voltage - Maximum                              | 250V AC/DC                   |
| <b>Solder Process Data</b>                     |                              |
| Duration at Max. Process Temperature (seconds) | 003                          |
| Lead-freeProcess Capability                    | REFLOW                       |
| Max. Cycles at Max. Process Temperature        | 001                          |
| Process Temperature max. C                     | 260                          |
| <b>Material Info</b>                           |                              |
| <b>Reference - Drawing Numbers</b>             |                              |
| Product Specification                          | PS-99020-0011-001            |
| Sales Drawing                                  | 908149002-000, SDA-90814-001 |

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