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**Part Number:** [0908140204](#)  
**Status:** **Active**  
**Overview:** [Picoflex Ribbon-Cable Connectors](#)  
**Description:** Picoflex PF-50 Header with PCB Pegs, Vertical, Standard Profile, Surface Mount, Tin (Sn) Plated, 4 Circuits, Tape and Reel, Natural

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-99020-0011-001 (PDF)</a>    |
| <a href="#">3D Model (PDF)</a> | <a href="#">Application Specification 908140000-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

UL E29179

**Application tooling part link**

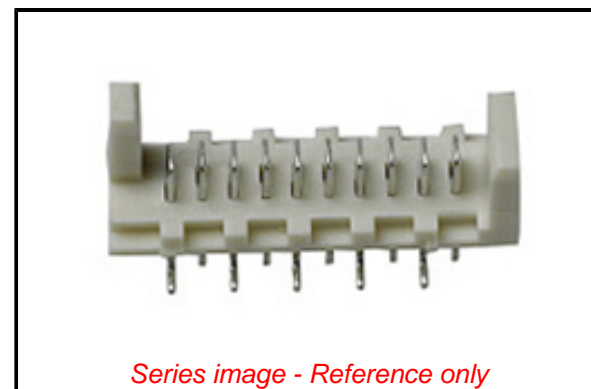
Application Tooling Part Link 69008-1070

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                                      |
| Series         | <a href="#">90814</a>                            |
| Application    | Signal, Wire-to-Board                            |
| Comments       | Standard Profile                                 |
| Component Type | PCB Header                                       |
| Overview       | <a href="#">Picoflex Ribbon-Cable Connectors</a> |
| Product Name   | Picoflex   |
| Taxonomy       | PCB Headers and Receptacles                      |
| UPC            | 800753656215                                     |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| 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                     | 0.421/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                             |



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

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 | <a href="#">690081070</a> |

|                                |                |
|--------------------------------|----------------|
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | N/A            |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Surface Mount  |

**Electrical**

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

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 003    |
| Lead-free Process Capability                   | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info****Reference - Drawing Numbers**

|                           |                              |
|---------------------------|------------------------------|
| Application Specification | 908140000-AS-000             |
| Product Specification     | PS-99020-0011-001            |
| Sales Drawing             | 908149002-000, SDA-90814-001 |

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