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**Part Number:** [90814-3710](#)  
**Status:** **Active**  
**Overview:** [Picoflex® Connectors](#)  
**Description:** Picoflex® PF-50 Header without PCB Pegs, Vertical, Low Profile, Surface Mount, PdNi with Gold Flash Plating, 10 Circuits, Natural

**Documents:**  
[3D Model](#) [Product Specification PS-99020-0011 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

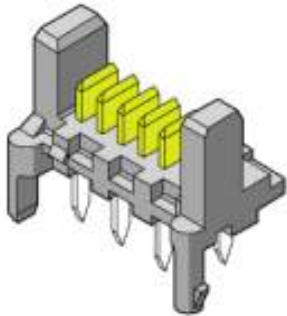
UL E29179

**General**

Product Family PCB Headers  
Series [90814](#)  
Application Signal, Wire-to-Board  
Application Tooling Part Link 69008-1070  
Comments Low Profile  
Overview [Picoflex® Connectors](#)  
Product Name Picoflex®  
UPC 800756883755

**Physical**

Breakaway No  
Circuits (Loaded) 10  
Circuits (maximum) 10  
Color - Resin Natural  
Durability (mating cycles max) 100  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part Yes  
Material - Metal Brass  
Material - Plating Mating Gold over Palladium Nickel  
Material - Resin High Temperature Thermoplastic  
Net Weight 0.632/g  
Number of Rows 1  
Orientation Vertical  
PCB Locator No  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm  
Packaging Type Adhesive Tape on Reel  
Pitch - Mating Interface 1.27mm  
Pitch - Termination Interface 1.27mm  
Plating min - Mating 0.762µm  
Plating min - Termination 0.102µm  
Polarized to Mating Part Yes  
Polarized to PCB No  
Shrouded No  
Stackable No  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -40°C to +105°C  
Termination Interface: Style Surface Mount



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
Not Reviewed  
**Low-Halogen Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**  
  
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)  
  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[90814Series](#)

**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 (Plastic) for 4-26 Circuit | <a href="#">0690081070</a> |

**Electrical**

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 2.4A       |
| Voltage - Maximum             | 250V AC/DC |

**Material Info**

**Reference - Drawing Numbers**

|                       |               |
|-----------------------|---------------|
| Product Specification | PS-99020-0011 |
| Sales Drawing         | SDA-90814     |

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