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**Part Number:** [0908140812](#)  
**Status:** **Active**  
**Overview:** [Picoflex® Ribbon-Cable Connectors](#)  
**Description:** [Picoflex® PF-50 Header with PCB Pegs, Vertical, Low Profile, Surface Mount, Tin \(Sn\) Plated, 12 Circuits, Tube, Natural](#)

**Documents:**

[3D Model](#) [Packaging Specification PK-90814-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0011 \(PDF\)](#)

**Agency Certification**

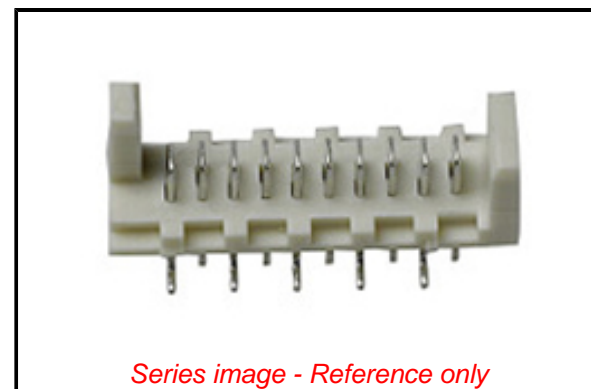
UL E29179

**General**

Product Family PCB Headers  
 Series [90814](#)  
 Application Signal, Wire-to-Board  
 Application Tooling Part Link 69008-1070  
 Comments Low Profile  
 MolexKits Yes  
 Overview [Picoflex® Ribbon-Cable Connectors](#)  
 Product Name Picoflex®  
 UPC 800756883175

**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 Compliant 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 0.545/g  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tube  
 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  
 Temperature Range - Operating -40°C to +105°C



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/30/2017 (7 July  
 2017)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

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

Termination Interface: Style

Surface Mount

**Electrical**

Current - Maximum per Contact

2.4A

Voltage - Maximum

250V AC/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-90814-001-001

Product Specification

PS-99020-0011

Sales Drawing

SDA-90814

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