

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0908143612](#)  
**Status:** **Active**  
**Overview:** [Picoflex Ribbon-Cable Connectors](#)  
**Description:** Picoflex PF-50 Header without PCB Pegs, Vertical, Low Profile, Surface Mount, PdNi with Gold Flash Plating, 12 Circuits, Tube, Natural  
**Replacement Part Number:** <http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=090814371290814-3712> (drop-in)

**Documents:**

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

**Agency Certification**

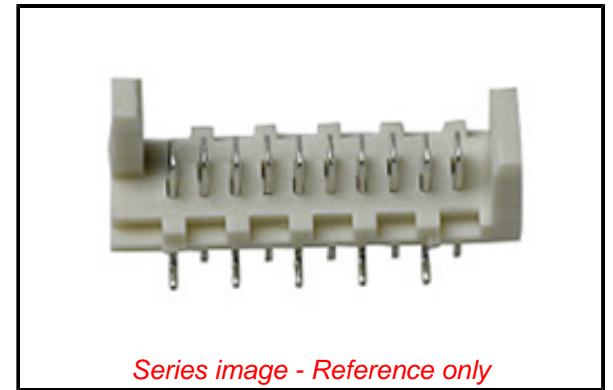
UL E29179

**General**

Product Family PCB Headers  
 Series [90814](#)  
 Application Signal, Wire-to-Board  
 Application Tooling Part Link 69008-1070  
 Comments Low Profile  
 Overview [Picoflex Ribbon-Cable Connectors](#)  
 Product Name Picoflex  
 Replacement Part Number [90814-3712](#) (drop-in)  
 UPC 800756883649

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin Natural  
 Durability (mating cycles max) 100  
 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 Gold over Palladium Nickel  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 0.565/g  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tube  
 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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/61/2018 (27 June  
 2018)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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

[690081070](#)

|                                |                |
|--------------------------------|----------------|
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40° to +105°C |
| 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-99020-0011-001 |
| Sales Drawing           | SDA-90814-001     |

This document was generated on 11/22/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[90814-3612](#)