

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

**Part Number:** [0905841316](#)  
**Status:** **Active**  
**Overview:** [Picoflex® Ribbon-Cable Connectors](#)  
**Description:** 1.27mm Pitch Picoflex® PF-50 IDT Receptacle, Low Profile, Board-In, 16 Circuits

**Documents:**

[3D Model](#) [Packaging Specification PK-90584-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-99020-0011 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

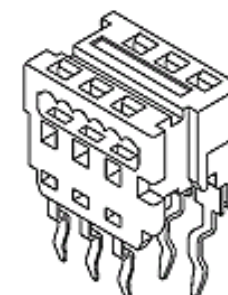
Product Family Ribbon Cable / Wire Trap Connectors  
 Series [90584](#)  
 Comments Low Profile  
 Component Type One Piece  
 Glow-Wire Compliant No  
 MolexKits Yes  
 Overview [Picoflex® Ribbon-Cable Connectors](#)  
 Product Name Board-In, Picoflex®  
 UPC 800753662278

**Physical**

Circuits (Loaded) 16  
 Color - Resin Natural  
 Durability (mating cycles max) 30  
 Entry Angle 90° Angle  
 Flammability 94V-0  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 0.997/g  
 Number of Rows 2  
 PCB Locator No  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tube  
 Pitch - Mating Interface 1.27mm  
 Plating min - Mating 2.032µm  
 Plating min - Termination 2.032µm  
 Polarized to Mating Part N/A  
 Polarized to PCB Yes  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole - Kinked Pin  
 Wire Insulation Diameter 1.00mm max.  
 Wire Size AWG 26, 28  
 Wire/Cable Type Ribbon Cable

**Electrical**

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



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per  
 -ED/79/2015 (17  
 December 2015)

**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

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[90584 Series](#)

**Mates With**

N/A

**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 #
Handtool for Connectors, 4-26 Circuit	<a href="#">0690081090</a>
Semi-Automatic Bench Press PB16 with Auto De-tubing	<a href="#">0691271010</a>
Arbor Press Fixture	<a href="#">0690201902</a>

**Solder Process Data**

Lead-freeProcess Capability

WAVE

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-90584-001

Product Specification

PS-99020-0011

Sales Drawing

SDA-90584

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