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**Part Number:** [53375-0410](#)  
**Status:** **Active**  
**Overview:** Mini-Lock™ Wire-to-Board Connector System  
**Description:** 2.50mm Pitch Mini-Lock™ Wire-to-Board Header, Vertical, Friction and Positive Lock, 4 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-51163-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51103-005 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

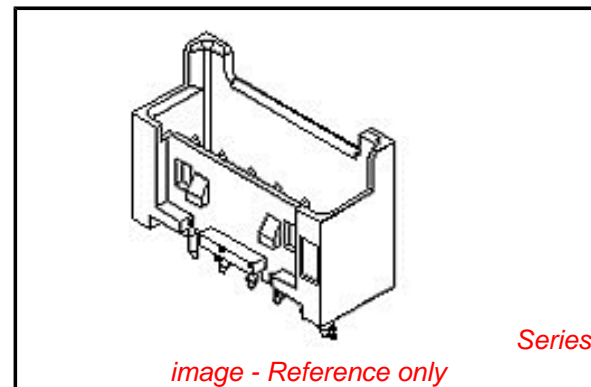
**General**

Product Family PCB Headers  
 Series [53375](#)  
 Application Signal, Wire-to-Board  
 MolexKits Yes  
 Overview [Mini-Lock™ Wire-to-Board Connector System](#)  
 Product Name Mini-Lock™  
 UPC 800753632974

**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 Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Net Weight 563.000/mg  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 3.40mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 Pitch - Mating Interface 2.50mm  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Not Low-Halogen**

**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**

[53375Series](#)

**Mates With**

Mini-Lock™ Wire-to-Board and Wire-to-Wire Crimp Terminal [51103](#) , [51102](#) , [51163](#)

Current - Maximum per Contact  
Voltage - Maximum

3A  
250V

### **Material Info**

### **Reference - Drawing Numbers**

Product Specification

PS-51103-005, PS-51163-002, RPS-51103-009,  
RPS-51103-010, RPS-51103-011, RPS-51103-032,  
RPS-51103-041, RPS-51103-046, RPS-51103-047,  
RPS-51103-050, RPS-51103-056, RPS-51163-002,  
RPS-51163-004

Sales Drawing

SD-53375-001

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