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**Part Number:** [53047-0810](#)  
**Status:** **Active**  
**Overview:** [PicoBlade™](#)  
**Description:** 1.25mm Pitch PicoBlade™ Wire-to-Board Header, Vertical, with Friction Lock, 8 Circuits

**Documents:**

[3D Model](#) [Packaging Specification SPK-53047-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51021-010 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
 Series [53047](#)  
 Application Signal, Wire-to-Board  
 Overview [PicoBlade™](#)  
 Product Name PicoBlade™  
 UPC 800753565845

**Physical**

Breakaway No  
 Circuits (Loaded) 8  
 Circuits (maximum) 8  
 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  
 Mated Height 5.20mm  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Net Weight 164.600/mg  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 2.30mm  
 PCB Locator No  
 PCB Retention None  
 PCB Thickness - Recommended 0.80mm  
 Packaging Type Tray  
 Pitch - Mating Interface 1.25mm  
 Polarized to PCB No  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +85°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1A  
 Voltage - Maximum 125V

**Material Info**

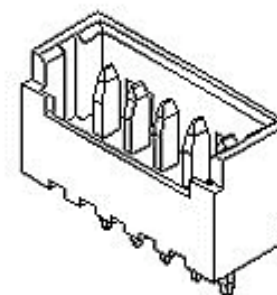


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Series

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**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**

[53047Series](#)

**Mates With**

[51021 PicoBlade™ Wire-to-Wire](#)

## Reference - Drawing Numbers

Packaging Specification  
Product Specification

SPK-53047-001  
PS-51021-010, RPS-51021-007, RPS-51021-011,  
RPS-51021-041, RPS-51021-059, RPS-51021-060,  
RPS-51021-071, RPS-51021-089, RPS-51021-104  
SD-53047-\*\*10

Sales Drawing

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