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

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

**Agency Certification**

UL E29179

**General**

Product Family PCB Headers  
Series [53047](#)  
Application Signal, Wire-to-Board  
Overview [PicoBlade™ Connector System](#)  
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**

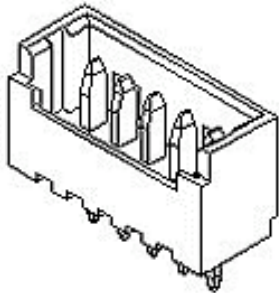


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Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



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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

Sales Drawing

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

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