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**Part Number:** [53398-0871](#)  
**Status:** **Active**  
**Overview:** PicoBlade™ Connector System  
**Description:** 1.25mm Pitch PicoBlade™ Header, Surface Mount, Vertical, Lead-Free, 8 Circuits

**Documents:**

[3D Model](#) [Packaging Specification SPK-53398-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-51021-024 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

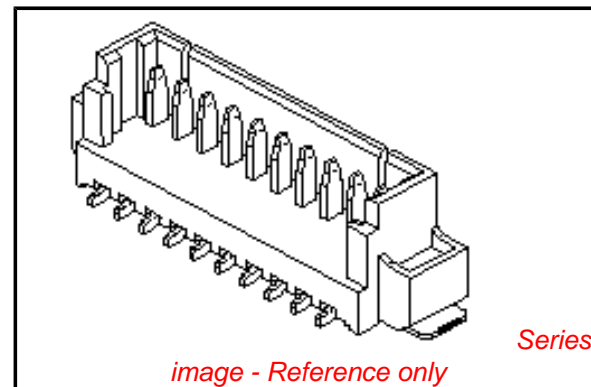
Product Family PCB Headers  
 Series [53398](#)  
 Application Signal, Wire-to-Board  
 MolexKits Yes  
 Overview PicoBlade™ Connector System  
 Product Name PicoBlade™  
 UPC 822348164356

**Physical**

Breakaway No  
 Circuits (Loaded) 8  
 Circuits (maximum) 8  
 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  
 Lock to Mating Part Yes  
 Mated Height 5.70mm  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 259.400/mg  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length 0.60mm  
 PCB Locator No  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.25mm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Partial  
 Stackable No  
 Temperature Range - Operating -40°C to +85°C  
 Termination Interface: Style Surface Mount

**Electrical**

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



**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**

[53398Series](#)

**Mates With**

[51021 PicoBlade™ Wire-to-Wire and Wire-to-Board Housing](#)

## Material Info

### Reference - Drawing Numbers

Packaging Specification

Product Specification

SPK-53398-002

PS-51021-024, RPS-500240-001, RPS-500240-002,  
RPS-500240-003, RPS-500240-004, RPS-51021-038,  
RPS-51021-039, RPS-51021-040, RPS-51021-043,  
RPS-51021-045, RPS-51021-046, RPS-51021-047,  
RPS-51021-051, RPS-51021-053, RPS-51021-057,  
RPS-51021-064, RPS-51021-065, RPS-51021-067,  
RPS-51021-068, RPS-51021-074, RPS-51021-077,  
RPS-51021-080, RPS-51021-081, RPS-51021-085,  
RPS-51021-086, RPS-51021-091, RPS-51021-092,  
RPS-51021-097, RPS-51021-098, RPS-51021-099,  
RPS-51021-101, RPS-51021-103, RPS-51021-105,  
RPS-51021-108, RPS-51021-112, RPS-51021-114,  
RPS-51021-117, RPS-53398-002, RPS-53398-038

Sales Drawing

SD-53398-032, SD-53398-033

This document was generated on 10/07/2014

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