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**Part Number:** [0533980871](#)  
**Status:** **Active**  
**Overview:** PicoBlade™  
**Description:** 1.25mm (.049") Pitch PicoBlade™ Header, Surface Mount, Vertical, Lead-free, 8 Circuits

**Documents:**

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

**General**

Product Family	PCB Headers
Series	<a href="#">53398</a>
Application	Wire-to-Board
Overview	<u>PicoBlade™</u>
Product Name	PicoBlade™

**Physical**

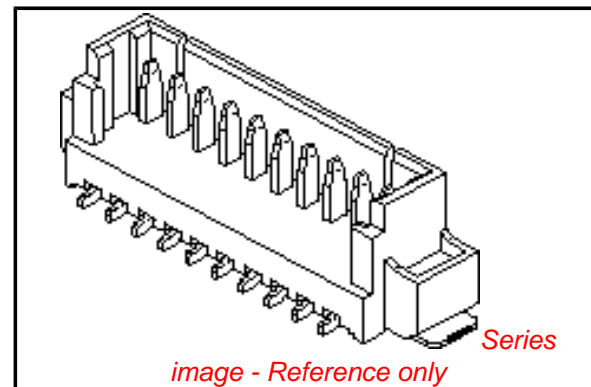
Breakaway	No
Circuits (Loaded)	8
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Lock to Mating Part	Yes
Mated Height (in)	0.224 In
Mated Height (mm)	5.70 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.024 In
PC Tail Length (mm)	0.60 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
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	1A
UL	E29179
Voltage - Maximum	125V

**Material Info**

**Reference - Drawing Numbers**



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**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

Product Specification

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-51021-081, RPS-51021-085, RPS-51021-086,  
RPS-51021-091, RPS-51021-092, RPS-51021-097,  
RPS-51021-099, RPS-53398-002, RPS-53398-038  
SD-53398-032, SD-53398-033

Sales Drawing

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