

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0530480550](#)  
**Status:** **Active**  
**Overview:** [PicoBlade Connector System](#)  
**Description:** 1.25mm Pitch, PicoBlade PCB Header, Single Row, Right-Angle, Through Hole, Gold (Au) Plating, Friction Lock, 5 Circuits, Tray, 2.30mm PC Tail Length

**Documents:**

|                                      |  |
|--------------------------------------|--|
| <a href="#">2D Drawing (DXF)</a>     | <a href="#">Product Specification 510210000-PS-000 (PDF)</a>     |
| <a href="#">3D Model (PDF)</a>       | <a href="#">Product Specification 510211000-PS-000 (PDF)</a>     |
| <a href="#">2D Drawing DXF (PDF)</a> | <a href="#">Application Specification 510210000-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>        | <a href="#">Packaging Specification SPK-53048-001-001 (PDF)</a>  |
| <a href="#">3D Model</a>             | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

UL E29179

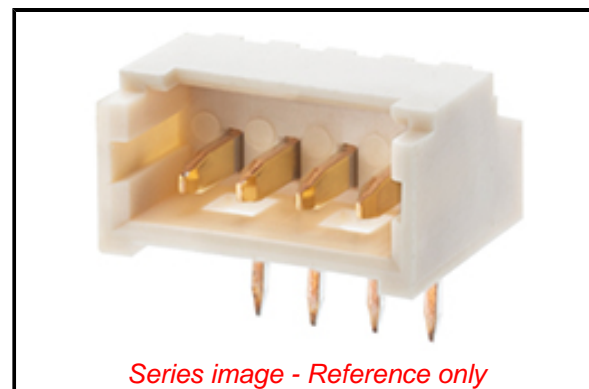
**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                                |
| Series         | <a href="#">53048</a>                      |
| Application    | Signal, Wire-to-Board                      |
| Overview       | <a href="#">PicoBlade Connector System</a> |
| Product Name   | PicoBlade                                  |
| UPC            | 191128466592                               |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 5               |
| Circuits (maximum)             | 5               |
| Color - Resin                  | Natural         |
| Durability (mating cycles max) | 30              |
| First Mate / Last Break        | No              |
| Glow-Wire Capable              | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Mated Height                   | 3.50mm          |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Matte Tin       |
| Material - Resin               | Polyamide       |
| Net Weight                     | 133.911/mg      |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| PC Tail Length                 | 2.30mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 0.80mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 1.25mm          |
| Plating min - Mating           | 0.380µm         |
| Plating min - Termination      | 1.000µm         |
| Shrouded                       | Fully           |
| Stackable                      | No              |
| Temperature Range - Operating  | -40° to +105°C  |
| Termination Interface: Style   | Through Hole    |

**Electrical**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)10043-DC (17  
Jan 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[53048 Series](#)

**Mates With**

PicoBlade Housing [51021](#)

Current - Maximum per Contact  
Voltage - Maximum

1.0A  
125V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

|                           |                                    |
|---------------------------|------------------------------------|
| Application Specification | 510210000-AS-000                   |
| Packaging Specification   | SPK-53048-001-001                  |
| Product Specification     | 510210000-PS-000, 510211000-PS-000 |
| Sales Drawing             | 530480000-SD-000                   |

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