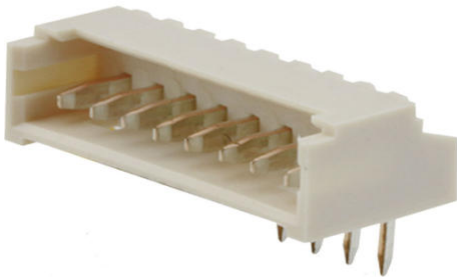




**Part Number :** [530480810](#)  
**Product Description :** 1.25mm Pitch, PicoBlade PCB Header, Single Row, Right-Angle, Through Hole, Tin (Sn) Plating, Friction Lock, 8 Circuits, Tray, 2.30mm PC Tail Length  
**Series Number :** 53048  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[530480810 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[530480810.dxf](#)

### Specifications

[510210000-AS-000.pdf](#)

[SPK-53048-001-001.pdf](#)

[510211010-PS-000.pdf](#)

[510211111-PS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44                                                                             |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                      |
| REACH SVHC         | Not Contained per D(2025)7771-                                                                          |

|         |                           |
|---------|---------------------------|
|         | DC (04 Feb 2026)          |
| EU RoHS | Compliant per EU 2015/863 |

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|                |                                                                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                              |
| Category       | PCB Headers and Receptacles                                                                                                                         |
| Series         | 53048                                                                                                                                               |
| Description    | 1.25mm Pitch, PicoBlade PCB Header, Single Row, Right-Angle, Through Hole, Tin (Sn) Plating, Friction Lock, 8 Circuits, Tray, 2.30mm PC Tail Length |
| Application    | Wire-to-Board                                                                                                                                       |
| Component Type | PCB Header                                                                                                                                          |
| Product Name   | PicoBlade                                                                                                                                           |
| UPC            | 800753752214                                                                                                                                        |

### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
|-------------------------------|------|

|                   |      |
|-------------------|------|
| Voltage - Maximum | 125V |
|-------------------|------|

## Physical

|                                |               |
|--------------------------------|---------------|
| Breakaway                      | No            |
| Circuits (Loaded)              | 8             |
| Circuits (maximum)             | 8             |
| Color - Resin                  | Natural       |
| Durability (mating cycles max) | 30            |
| First Mate / Last Break        | No            |
| Gender                         | Male          |
| Glow-Wire Capable              | No            |
| Guide to Mating Part           | No            |
| Keying to Mating Part          | No            |
| Lock to Mating Part            | Yes           |
| Mated Height                   | 3.50mm        |
| Material - Plating Mating      | Tin           |
| Material - Plating Termination | Tin           |
| Material - Resin               | Nylon         |
| Mounting Style                 | Through Hole  |
| Net Weight                     | 194.780/mg    |
| Number of Rows                 | 1             |
| Orientation                    | Right Angle   |
| Packaging Type                 | Tray          |
| PCB Locator                    | No            |
| PCB Retention                  | No            |
| PCB Thickness - Recommended    | 0.80mm        |
| PC Tail Length                 | 2.30mm        |
| Pitch - Mating Interface       | 1.25mm        |
| Pitch - Termination Interface  | 1.25mm        |
| Plating min - Mating           | 0.900µm       |
| Plating min - Termination      | 0.900µm       |
| Polarized to PCB               | No            |
| Shrouded                       | Shrouded      |
| Stackable                      | No            |
| Temperature Range - Operating  | -40° to +85°C |

|                             |              |
|-----------------------------|--------------|
| Termination Interface Style | Through Hole |
|-----------------------------|--------------|

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## Mates With / Use With

### Mates with Part(s)

| Description                                                               | Part Number  |
|---------------------------------------------------------------------------|--------------|
| PicoBlade Single Row Receptacle Housings                                  | <u>51021</u> |
| PicoBlade Female-to-PicoBlade Female Off-the-Shelf (OTS) Cable Assemblies | <u>15134</u> |

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