



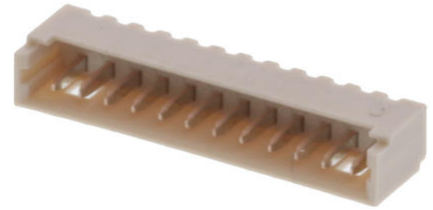
Part Number : [530471210](#)

Product Description : 1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Through Hole, Tin Plating, Friction Lock, 12 Circuits, Tray, 2.30mm PC Tail Length

Series Number : 53047

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[530471210 sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[530471210.dxf](#)

Specifications

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


[SPK-53047-001-001.pdf](#)

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

[510211110-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)4165-DC (25 June 2025) |

| | |
|---------|---------------------------|
| 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 | 53047 |
| Description | 1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Through Hole, Tin Plating, Friction Lock, 12 Circuits, Tray, 2.30mm PC Tail Length |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Name | PicoBlade |
| UPC | 800753750180 |

Agency

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

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum | 125V |

Physical

| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Mated Height | 5.20mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 235.800/mg |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 0.80mm |
| PC Tail Length | 2.30mm |
| Pitch - Mating Interface | 1.25mm |
| Plating min - Termination | 0.900µm |
| Polarized to PCB | No |
| Shrouded | Fully |
| Stackable | No |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Through Hole |

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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-  [View 53047-1210 on WIN SOURCE](#)
-  [Molex, LLC Information](#)

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