# molex®
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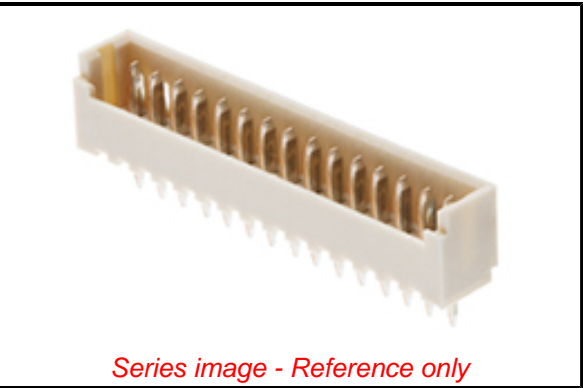
**Part Number:** 0530471010

**Status:** Active

**Overview:** PicoBlade Connector System

**Description:** 1.25mm Pitch, PicoBlade PCB Header, Single Row, Vertical, Through Hole, Tin Plating, Friction Lock, 10 Circuits, Tray, 2.30mm PC Tail Length


*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
2D Drawing (DXF)
2D Drawing DXF (PDF)
3D Model (PDF)

Product Specification 510211010-PS-000 (PDF)
Product Specification PS-51021-010-001 (PDF)
Application Specification 510210000-AS-000 (PDF)
Packaging Specification SPK-53047-001-001 (PDF)
RoHS Certificate of Compliance (PDF)

**EU ELV**
**Not Relevant**

**EU RoHS**          **China RoHS**
**Compliant**

**REACH SVHC**
Not Contained Per -
D(2021)4569-DC (8
July 2021)

**Halogen-Free**
**Status**
**Not Low-Halogen**

For more information, please visit Contact US

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
53047 Series

**Mates With**
PicoBlade Housing 51021 <br>PicoBlade Cable Assembly 15134

## Agency Certification

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

## General

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 53047 |
| Application | Signal, Wire-to-Board |
| Current Derating Order No | 987651-3691 |
| Overview | PicoBlade Connector System |
| Product Name | PicoBlade |
| UPC | 800753565852 |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| 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 | 200.200/mg |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length | 2.30mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 0.80mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.25mm |
| Polarized to PCB | No |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface: Style | Through Hole |

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Application Specification        510210000-AS-000
Packaging Specification        SPK-53047-001-001
Product Specification        510211010-PS-000, PS-51021-010-001
Sales Drawing        530470000-SD-000

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Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

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