



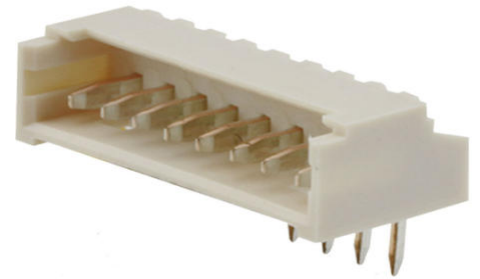
**Part Number :** [530481210](#)

**Product Description :** 1.25mm Pitch, PicoBlade PCB Header, Single Row, Right-Angle, Through Hole, Tin (Sn) Plating, Friction Lock, 12 Circuits, Tray, 2.30mm PC Tail Length

**Series Number :** 53048

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[530481210 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[530481210.dxf](#)

### Specifications

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

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


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

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

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## 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, 12 Circuits, Tray, 2.30mm PC Tail Length
Application	Wire-to-Board
Component Type	PCB Header
Product Name	PicoBlade
UPC	800753565968

### Agency

UL	E29179
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### Electrical

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

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	274.000/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

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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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