



**Part Number :** [510210500](#)

**Product Description :** 1.25mm Pitch, PicoBlade Receptacle Crimp Housing, Single Row, Friction Lock, 5 Circuits, Natural

**Series Number :** 51021

**Status :** Active

**Product Category :** Connector Housings

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## Documents and Resources

### Drawings

[510210500 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[510210500.dxf](#)

### Specifications

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

[510210001-AS-000.pdf](#)

[SPK-51021-001-001.pdf](#)

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

[510210001-PS-000.pdf](#)

[510210006-PS-000.pdf](#)

[510211000-PS-000.pdf](#)

[510211001-PS-000.pdf](#)

[510211009-PS-000.pdf](#)

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

[510211024-PS-000.pdf](#)

[510211109-PS-000.pdf](#)

[510211110-PS-000.pdf](#)

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

[510211124-PS-000.pdf](#)

[PS-51021-009-001.pdf](#)


[PS-51021-024-001.pdf](#)

[PS-51021-025-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 47; 34
China RoHS	 per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
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

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## Part Details

### General

Status	Active
Category	Connector Housings
Series	51021
Description	1.25mm Pitch, PicoBlade

	Receptacle Crimp Housing, Single Row, Friction Lock, 5 Circuits, Natural
Application	Wire-to-Board, Wire-to-Wire
Component Type	Housing
Product Name	PicoBlade
UPC	800753575639

### Agency

CSA	LR19980
UL	E29179

### Physical

Circuits (maximum)	5
Color - Resin	Natural
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	50.225/mg
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	1.25mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
PicoBlade Vertical, Single Row, Through Hole Headers	<u>53047</u>

PicoBlade Right-Angle, Single Row, Through Hole Headers	<u>53048</u>
PicoBlade Right-Angle, Single Row, Surface Mount Headers	<u>53261</u>
PicoBlade Vertical, Single Row, Surface Mount Headers	<u>53398</u>
PicoBlade Single Row Plug Housings	<u>51047</u>

### Use with Part(s)

Description	Part Number
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 150.00mm Length, 26 AWG, Black	<u>797580006</u>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 300.00mm Length, 26 AWG, Black	<u>797580014</u>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 152.00mm Length, 28 AWG, Red	<u>797581059</u>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 304.00mm Length, 28 AWG, Red	<u>797581060</u>
Pre-Crimped Lead PicoBlade Female-to-Pigtail, Tin (Sn) Plating, 304.00mm Length, 28 AWG, Red	<u>797581061</u>
PicoBlade Female Crimp Terminals	<u>50058</u>
PicoBlade Female Crimp Terminals	<u>50079</u>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female	<u>214920</u>
Pre-Crimped Lead PicoBlade Female-to-Pigtail	<u>214921</u>