



**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 & Resources

### Drawings

[Drawing 510210500\\_sd.pdf](#)

### 3D Models and Design Files

[2D Drawing DXF 510210500.dxf](#)

[2D Drawing DXF PDF 510210500.pdf](#)

[3D Model 510210500\\_stp.zip](#)

[3D Model PDF 510210500.pdf](#)

### Specifications

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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


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

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

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

### EU RoHS Certificate of Compliance

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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	Signal, Wire-to-Board, Wire-to-Wire
Product Family	PicoBlade Connector System
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	None
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
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Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 150.00mm Length, 26 AWG, Black	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797580006.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797580006.html</a>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 300.00mm Length, 26 AWG, Black	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797580014.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797580014.html</a>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 152.00mm Length, 28 AWG, Red	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797581059.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797581059.html</a>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female, Tin (Sn) Plating, 304.00mm Length, 28 AWG, Red	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797581060.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797581060.html</a>
Pre-Crimped Lead PicoBlade Female-to-Pigtail, Tin (Sn) Plating, 304.00mm Length, 28 AWG, Red	<a href="/content/molex/molex-dot-com/us/en/products/product-page.html/797581061.html">/content/molex/molex-dot-com/us/en/products/product-page.html/797581061.html</a>
PicoBlade Female Crimp Terminals	<a href="#">50058</a>
PicoBlade Female Crimp Terminals	<a href="#">50079</a>
Pre-Crimped Lead PicoBlade Female-to-PicoBlade Female	<a href="#">214920</a>
Pre-Crimped Lead PicoBlade Female-to-Pigtail	<a href="#">214921</a>