

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0510210400**  
**Status:** **Active**  
**Overview:** PicoBlade™ Connector System  
**Description:** 1.25mm Pitch PicoBlade™ Wire-to-Wire and Wire-to-Board Housing, Female, 4 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-51021-023-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Product Specification PS-51021-024-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51021-001-001 (PDF)</a> | <a href="#">Product Specification PS-51021-025-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51021-002-001 (PDF)</a> | <a href="#">Product Specification PS-51021-026-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51021-009-001 (PDF)</a> | <a href="#">Product Specification PS-51021-027-001 (PDF)</a>    |
| <a href="#">Product Specification PS-51021-010-001 (PDF)</a> | <a href="#">Packaging Specification SPK-51021-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-51021-011-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-51021-022-001 (PDF)</a> |   |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                           |   |
|---------------------------|---|
| Product Family            | Crimp Housings                              |
| Series                    | <a href="#">51021</a>                       |
| Application               | Signal, Wire-to-Board, Wire-to-Wire         |
| Current Derating Order No | 987651-3691                                 |
| MolexKits                 | Yes   |
| Overview                  | <a href="#">PicoBlade™ Connector System</a> |
| Product Name              | PicoBlade™                                  |
| UPC                       | 800753575615                                |

**Physical**

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 4              |
| Color - Resin                 | Natural        |
| Flammability                  | 94V-0          |
| Gender                        | Female         |
| Glow-Wire Compliant           | No             |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Polyester      |
| Net Weight                    | 42.200/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°C to +85°C |

**Electrical**

|                               |            |
|-------------------------------|------------|
| Current - Maximum per Contact | 0.8A, 1.0A |
|-------------------------------|------------|

**Material Info**

**Reference - Drawing Numbers**

|                         |  |
|-------------------------|--|
| Packaging Specification | SPK-51021-001-001  |
| Product Specification   | PS-51021-001-001, PS-51021-002-001,<br>PS-51021-009-001, PS-51021-010-001,<br>PS-51021-011-001, PS-51021-022-001,<br>PS-51021-023-001, PS-51021-024-001, |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June  
2016)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[51021](#) Series

**Mates With**

[53261](#) 1.25mm Pitch PicoBlade™ Right Angle SMT Header, [53047](#) 1.25mm Pitch PicoBlade™ Vertical Thru-Hole Header, [53398](#) 1.25mm Pitch PicoBlade™ Vertical SMT Header, [53048](#) 1.25mm Pitch PicoBlade™ Right Angle Thru-Hole Header

**Use With**

[50058](#) Crimp Terminal, [50079](#) Crimp Terminal

Sales Drawing

PS-51021-025-001, PS-51021-026-001,  
PS-51021-027-001  
SD-51021-002, SD-51021-005

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