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**Part Number:** **0510210800**  
**Status:** **Active**  
**Overview:** PicoBlade™ Connector System  
**Description:** 1.25mm Pitch PicoBlade™ Wire-to-Wire and Wire-to-Board Housing, Female, 8 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                    | <u>51021</u>                        |
| Application               | Signal, Wire-to-Board, Wire-to-Wire |
| Current Derating Order No | 987651-3691                         |
| MolexKits                 | Yes                                 |
| Overview                  | <u>PicoBlade™ Connector System</u>  |
| Product Name              | PicoBlade™                          |
| UPC                       | 800753575653                        |

**Physical**

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 8              |
| Color - Resin                 | Natural        |
| Flammability                  | 94V-0          |
| Gender                        | Receptacle     |
| Glow-Wire Compliant           | No             |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Polyester      |
| Net Weight                    | 74.300/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 |

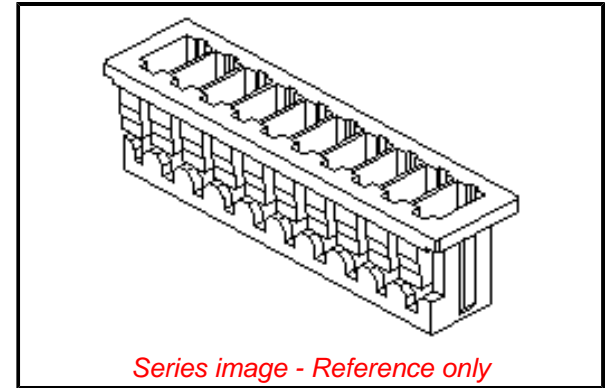
**Electrical**

|                               |            |
|-------------------------------|------------|
| 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**  
**Compliant**

**EU RoHS**  
**Compliant**

**REACH SVHC**  
Not Contained Per -  
ED/30/2017 (7 July  
2017)

**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      | Green Image   |
| ELV             | Compliant     |
| RoHS Phthalates | 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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