

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0500588000](#)  
**Status:** **Active**  
**Overview:** [PicoBlade Connector System](#)  
**Description:** 1.25mm Pitch PicoBlade Crimp Terminal, Female, 28-32 AWG, Reel

**Documents:**

- [3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-51021-001-001 \(PDF\)](#)  
[Product Specification PS-51021-002-001 \(PDF\)](#)  
[Product Specification PS-51021-009-001 \(PDF\)](#)  
[Product Specification PS-51021-010-001 \(PDF\)](#)  
[Product Specification PS-51021-011-001 \(PDF\)](#)  
[Product Specification PS-51021-022-001 \(PDF\)](#)
- [Product Specification PS-51021-023-001 \(PDF\)](#)  
[Product Specification PS-51021-024-001 \(PDF\)](#)  
[Product Specification PS-51021-026-001 \(PDF\)](#)  
[Product Specification PS-51021-027-001 \(PDF\)](#)  
[Product Specification PS-51021-032-001 \(PDF\)](#)  
[Packaging Specification 500589200SPK-200 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Family            | Crimp Terminals                            |
| Series                    | <a href="#">50058</a>                      |
| Application               | Signal, Wire-to-Board, Wire-to-Wire        |
| Crimp Quality Equipment   | Yes                                        |
| Current Derating Order No | 987651-3691                                |
| Overview                  | <a href="#">PicoBlade Connector System</a> |
| Packaging Alternative     | <a href="#">50058-8100</a> (Loose)         |
| Product Name              | PicoBlade                                  |
| UPC                       | 800753576315                               |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 12.600/mg            |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.889µm              |
| Plating min - Termination      | 0.914µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 0.50-1.00mm          |
| Wire Size AWG                  | 28, 30, 32           |
| Wire Size mm²                  | N/A                  |

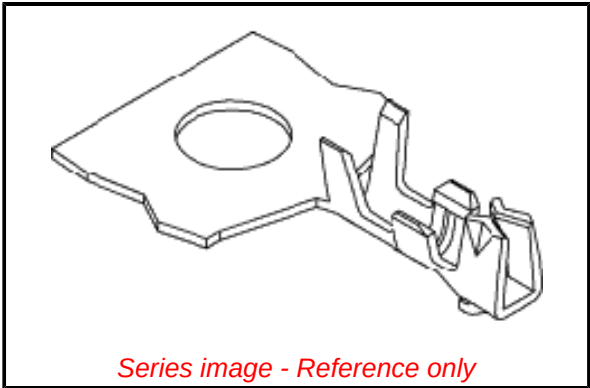
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum             | 125V |

**Material Info**

**Reference - Drawing Numbers**

|                         |                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crimp Specification     | 500580000-CS-000                                                                                                                                                                                                    |
| Packaging Specification | 500589200SPK-200                                                                                                                                                                                                    |
| 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,<br>PS-51021-026-001, PS-51021-027-001,<br>PS-51021-032-001 |
| Sales Drawing           | SD-50058-8*00                                                                                                                                                                                                       |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**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             | Not Relevant  |
| Prop65          | Compliant     |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[50058](#) Series

**Mates With**

[50125](#) Crimp Terminal 26-28 AWG, [50133](#)  
Crimp Terminal 28-32 AWG

**Use With**

[51021](#) PicoBlade Wire-to-Wire and Wire-to-  
Board Housing

This document was generated on 09/12/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**