

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

Documents:

| | |
|--|--|
| 3D Model | Product Specification PS-51021-032-001 (PDF) |
| Drawing (PDF) | Application Specification 510210000-AS-000 (PDF) |
| 3D Model (PDF) | Application Specification 510210001-AS-000 (PDF) |
| Product Specification 510211009-PS-000 (PDF) | Packaging Specification 500589200SPK-200 (PDF) |
| Product Specification 510211010-PS-000 (PDF) | Packaging Specification SPK-50058-001-001 (PDF) |
| Product Specification 510211024-PS-000 (PDF) | Packaging Specification SPK-50058-001-002 (PDF) |
| Product Specification PS-51021-009-001 (PDF) | Datasheet (PDF) |
| Product Specification PS-51021-024-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-51021-025-001 (PDF) | |

General

| | |
|-------------------------|-------------------------------------|
| Product Family | Crimp Terminals |
| Series | 50058 |
| Application | Signal, Wire-to-Board, Wire-to-Wire |
| Crimp Quality Equipment | Yes |
| Overview | <u>PicoBlade Connector System</u> |
| Product Name | PicoBlade |
| Taxonomy | Crimp Terminals |
| UPC | 800753576315 |

Physical

| | |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30 |
| Gender | Female |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Net Weight | 9.670/mg |
| Packaging Type | Reel |
| Plating min - Mating | 0.889µm |
| Plating min - Termination | 0.889µm |
| Termination Interface: Style | Crimp or Compression |
| Wire Insulation Diameter | 0.50-1.00mm |
| Wire Size AWG | 28, 30, 32 |
| Wire Size mm ² | N/A |

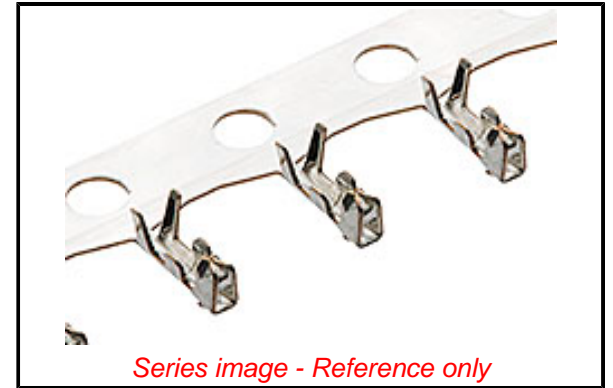
Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum | 125V AC (RMS)/DC |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|--|
| Application Specification | 510210000-AS-000, 510210001-AS-000 |
| Crimp Specification | 500580000-CS-000 |
| Packaging Specification | 500589200SPK-200, SPK-50058-001-001, SPK-50058-001-002 |
| Product Specification | 510211009-PS-000, 510211010-PS-000, 510211024-PS-000, PS-51021-009-001, PS-51021-024-001, PS-51021-025-001, PS-51021-032-001 |
| Sales Drawing | 500580001-SD-000 |



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

50058 Series

Use With

PicoBlade Receptacle Housing [51021](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description | Product # |
|--|----------------------------|
| Extraction Tool for Micro-Fit Terminals | 11030043 |
| Hand Crimp Tool for 1.25mm Pitch PicoBlade Receptacle Crimp Terminals, 26-32 AWG | 2002181900 |
| FA2 Mechanical Crimp Applicator for 1.25mm Pitch | 2130690400 |

PicoBlade Crimp
Terminal, 26-28
AWG
Hand Crimp Tool 638110000
for 1.25mm Pitch
Terminals on a Metal
Strip, 26-32 AWG
T2 Terminator 639103700
Tooling Die

Japan
Description **Product #**

S-1 Applicator 570673700
for PicoBlade
Receptacle
Terminals, 28-32 and
26-28 AWG
Extraction Tool 570726000

This document was generated on 02/24/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION