

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0510210900

Status:

Active

Overview:

[picoblade](#)

Description:

1.25mm (.049") Pitch PicoBlade™ Wire-to-Wire and Wire-to-Board Housing, Female, 9 Circuits

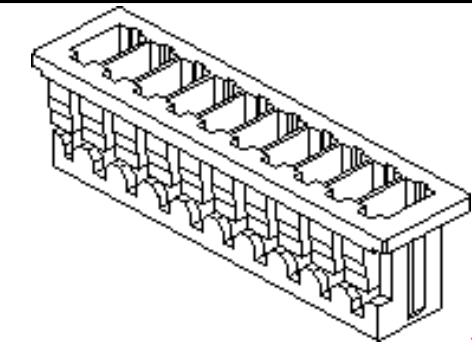


image - Reference only

Series

Documents:

- [3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-51021-001 \(PDF\)](#)

[Product Specification PS-51021-002 \(PDF\)](#)

[Product Specification PS-51021-009 \(PDF\)](#)

[Product Specification PS-51021-010 \(PDF\)](#)

[Product Specification PS-51021-011 \(PDF\)](#)
- [Product Specification PS-51021-022 \(PDF\)](#)

[Product Specification PS-51021-023 \(PDF\)](#)

[Product Specification PS-51021-026 \(PDF\)](#)

[Product Specification PS-51021-027 \(PDF\)](#)

[Product Specification PS-51021-028 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Crimp Housings

Series

51021

Overview

[picoblade](#)

Product Name

PicoBlade™

Physical

Circuits (maximum)

9

Color - Resin

Natural

Flammability

94V-0

Gender

Female

Glow-Wire Compliant

No

Lock to Mating Part

Yes

Material - Resin

Polyester

Number of Rows

1

Packaging Type

Bag

Panel Mount

No

Pitch - Mating Interface (in)

0.049 In

Pitch - Mating Interface (mm)

1.25 mm

Stackable

No

Temperature Range - Operating

-40°C to +85°C

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-51021

Product Specification

PS-51021-001, PS-51021-002, PS-51021-009, PS-51021-010, PS-51021-011, PS-51021-022, PS-51021-023, PS-51021-026, PS-51021-027, PS-51021-028, RPS-51021-001, RPS-51021-002, RPS-51021-003, RPS-51021-004, RPS-51021-006, RPS-51021-007, RPS-51021-008, RPS-51021-009, RPS-51021-010, RPS-51021-011, RPS-51021-013, RPS-51021-014, RPS-51021-018, RPS-51021-020, RPS-51021-021, RPS-51021-023, RPS-51021-024, RPS-51021-025, RPS-51021-028, RPS-51021-029, RPS-51021-030, RPS-51021-031, RPS-51021-032, RPS-51021-033, RPS-51021-034, RPS-51021-037,

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Contains SVHC: No  
Halogen-Free  
Status

China RoHS



Need more information on product  
environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

Search Parts in this Series

51021Series

Mates With

51047 Crimp Housing, 53047 PCB Header,  
53048 PCB Header, 53261 PCB Header,  
53398 PCB Header

Use With

50058 crimp terminal, 50079 crimp terminal

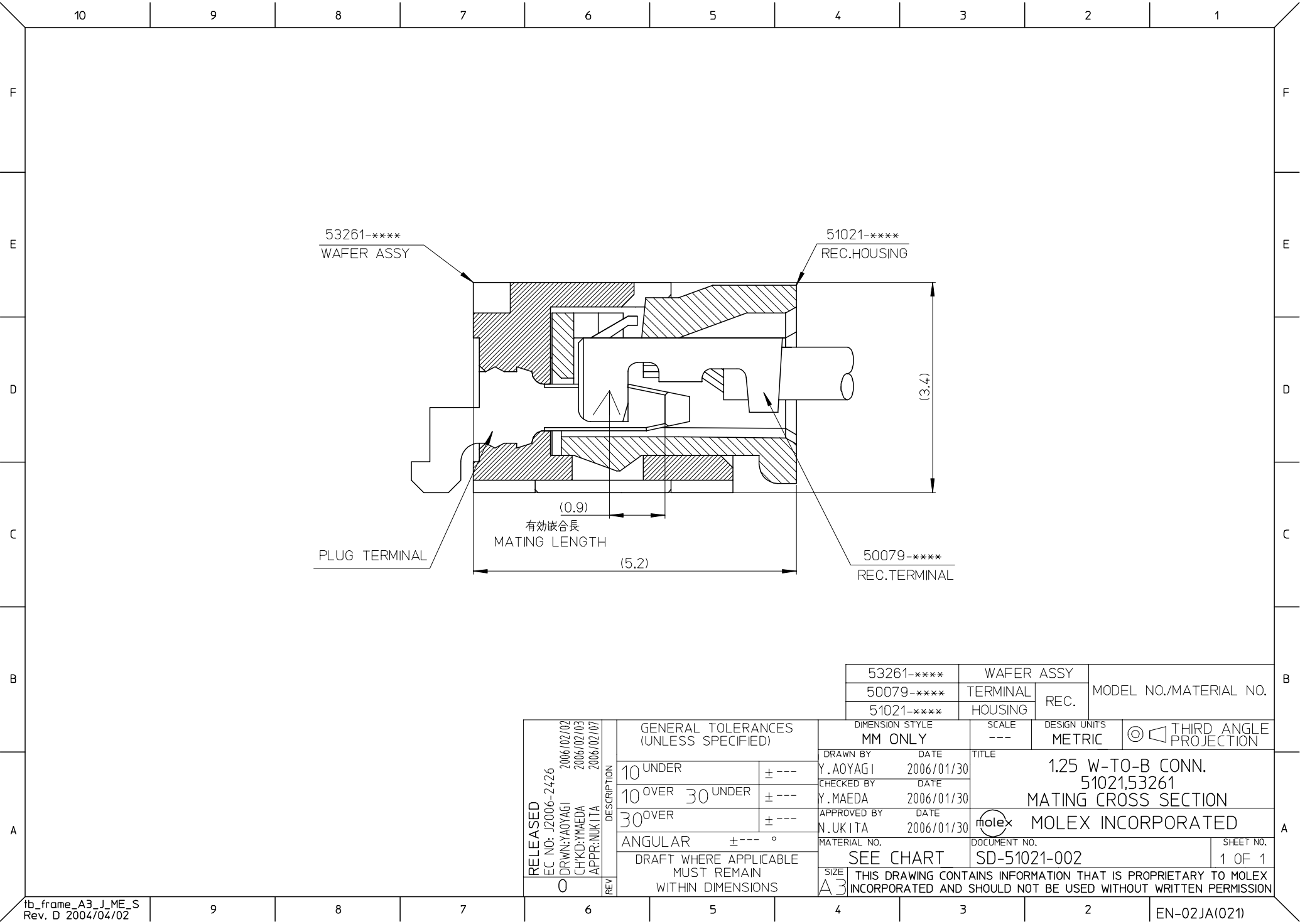
Sales Drawing

RPS-51021-038, RPS-51021-039, RPS-51021-040,  
RPS-51021-041, RPS-51021-042, RPS-51021-043,  
RPS-51021-044, RPS-51021-045, RPS-51021-046,  
RPS-51021-047, RPS-51021-048, RPS-51021-051,  
RPS-51021-052, RPS-51021-053, RPS-51021-054,  
RPS-51021-055, RPS-51021-056, RPS-51021-057,  
RPS-51021-058, RPS-51021-059, RPS-51021-060,  
RPS-51021-061, RPS-51021-062, RPS-51021-063,  
RPS-51021-064, RPS-51021-065, RPS-51021-066,  
RPS-51021-067, RPS-51021-068, RPS-51021-071,  
RPS-51021-072, RPS-51021-073, RPS-51021-074,  
RPS-51021-076, RPS-51021-077, RPS-51021-078,  
RPS-51021-079, RPS-51021-081, RPS-51021-084,  
RPS-51021-085, RPS-51021-086, RPS-51021-089,  
RPS-51021-091, RPS-51021-092, RPS-51021-096,  
RPS-51021-097, RPS-51021-101, RPS-53398-002,  
RPS-53398-037, RPS-53398-038  
SD-51021-\*\*-00, SD-51021-002

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|            |            |                        |
|------------|------------|------------------------|
| 53261-**** | WAFER ASSY | MODEL NO./MATERIAL NO. |
| 50079-**** | TERMINAL   |                        |
| 51021-**** | HOUSING    |                        |

|                                                                                                                       |             |                                                                                                                                  |       |                            |            |                                                                   |                        |                           |  |           |
|-----------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------|------------|-------------------------------------------------------------------|------------------------|---------------------------|--|-----------|
| RELEASED<br>EC NO: J2006-2426<br>DRWN:YAOYAGI 2006/02/02<br>CHKD:YMAEDA 2006/02/03<br>APPR:NUKITA 2006/02/07<br>REV 0 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                         |       | DIMENSION STYLE<br>MM ONLY |            | SCALE<br>---                                                      | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |  |           |
|                                                                                                                       |             | 10 UNDER                                                                                                                         | ± --- | Y.AOYAGI                   | 2006/01/30 | TITLE<br>1.25 W-TO-B CONN.<br>51021,53261<br>MATING CROSS SECTION |                        |                           |  |           |
|                                                                                                                       |             | 10 OVER 30 UNDER                                                                                                                 | ± --- | Y.MAEDA                    | 2006/01/30 |                                                                   |                        |                           |  |           |
|                                                                                                                       |             | 30 OVER                                                                                                                          | ± --- | N.UKITA                    | 2006/01/30 | MOLEX INCORPORATED                                                |                        |                           |  |           |
|                                                                                                                       |             | ANGULAR ±--- °                                                                                                                   |       | MATERIAL NO.               |            |                                                                   | DOCUMENT NO.           |                           |  | SHEET NO. |
|                                                                                                                       |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |       | SEE CHART                  |            |                                                                   | SD-51021-002           |                           |  | 1 OF 1    |
|                                                                                                                       | REV         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                            |            |                                                                   |                        |                           |  |           |