



Part Number : 510470300

Series Number : 51047

Product Category : Connector Housings

Product Description : 1.25mm Pitch,  
PicoBlade Plug Crimp Housing, Single Row,  
Friction Lock, 3 Circuits, Natural

Status : Active

Documents & Resources

Drawings

Drawing 510470300\_sd.pdf

3D Models and Design Files

- 2D Drawing DXF 510470300.dxf
- 2D Drawing DXF (PDF) 510470300.pdf
- 3D Model 510470300\_stp.zip

Specifications

- Application Specification 510210001-AS-000.pdf
- Packaging Specification 510479200-SPK-200.pdf
- Product Specification 510211009-PS-000.pdf
- Product Specification 510211109-PS-000.pdf
- Product Specification PS-51021-009-001.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| Status         | Active                                                                                     |
| Category       | Connector Housings                                                                         |
| Series         | 51047                                                                                      |
| Description    | 1.25mm Pitch, PicoBlade Plug Crimp Housing, Single Row, Friction Lock, 3 Circuits, Natural |
| Application    | Signal, Wire-to-Wire                                                                       |
| Product Family | PicoBlade Connector System                                                                 |
| Product Name   | PicoBlade                                                                                  |
| UPC            | 800753630420                                                                               |

#### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

#### Physical

|                       |           |
|-----------------------|-----------|
| Circuits (maximum)    | 3         |
| Color - Resin         | Natural   |
| Gender                | Plug      |
| Glow-Wire Capable     | No        |
| Keying to Mating Part | None      |
| Lock to Mating Part   | Yes       |
| Material - Resin      | Polyester |
| Net Weight            | 68.000/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° to +85°C |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                               | Part Number  |
|---------------------------------------------------------------------------|--------------|
| PicoBlade Single Row Receptacle Housings                                  | <u>51021</u> |
| PicoBlade Female-to-PicoBlade Female Off-the-Shelf (OTS) Cable Assemblies | <u>15134</u> |

### Use with Part(s)

| Description                                       | Part Number   |
|---------------------------------------------------|---------------|
| PicoBlade Male Crimp Terminals                    | <u>50125</u>  |
| PicoBlade Male Crimp Terminals                    | <u>50133</u>  |
| Pre-Crimped Lead PicoBlade Male-to-PicoBlade Male | <u>214922</u> |
| Pre-Crimped Lead PicoBlade Male-to-Pigtail        | <u>214923</u> |