



Part Number : 457111000

Product Description : PowerPlane Bus Bar Assembly, Vertical Mount, Mates to a 25.40mm by 3.17mm Bus Bar, Gold (Au) Plated

Series Number : 45711

Status : Active

Product Category : PCB Headers and Receptacles

## Documents & Resources

### Drawings

- Drawing 457111000\_sd.pdf
- Packaging Design Drawing PK-45711-000-001.pdf

### 3D Models and Design Files

- 3D Model 457111000\_stp.zip

### Specifications

- Product Specification PS-45711-001-001.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       | PCB Headers and Receptacles                                                                         |
| Series         | 45711                                                                                               |
| Description    | PowerPlane Bus Bar Assembly, Vertical Mount, Mates to a 25.40mm by 3.17mm Bus Bar, Gold (Au) Plated |
| Application    | Power                                                                                               |
| Component Type | PCB Receptacle                                                                                      |
| Product Family | PowerPlane Busbar Power Connectors                                                                  |
| Product Name   | PowerPlane                                                                                          |
| UPC            | 822348829132                                                                                        |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 320.0A  |
| Voltage - Maximum             | 600V AC |

#### Physical

|                                |       |
|--------------------------------|-------|
| Circuits (Loaded)              | 1     |
| Circuits (maximum)             | 1     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 50    |
| Flammability                   | 94V-0 |
| Glow-Wire Capable              | No    |

|                                |                |
|--------------------------------|----------------|
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | None           |
| Material - Metal               | Copper Alloy   |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Polyester      |
| Net Weight                     | 18.585/g       |
| Number of Rows                 | 1              |
| Orientation                    | Vertical       |
| Packaging Type                 | Tray           |
| PCB Locator                    | No             |
| PCB Retention                  | Yes            |
| Pitch - Mating Interface       | N/A            |
| Plating min - Mating           | 0.762µm        |
| Plating min - Termination      | 2.540µm        |
| Polarized to Mating Part       | No             |
| Polarized to PCB               | Yes            |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Screw          |

Use with Part(s)

|             |                                                   |
|-------------|---------------------------------------------------|
| Description | Part Number                                       |
| Use With    | Customer Supplied (8x32 Thread)<br>Machine Screws |