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**Part Number:** **0449141201**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit CPI Header, Compliant Pin Interface, Dual Row, Vertical, 12 Circuits, Tin (Sn) Plating, Glow-Wire Capable

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>  | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>            |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Test Summary TS-43045-002-001 (PDF)</a>            |
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>            |
| <a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-44914-1201-001 (PDF)</a> |
| <a href="#">Product Specification PS-43045-001 (PDF)</a>        | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Packaging Specification PK-70873-0314-001 (PDF)</a> |  |

**Agency Certification**

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

**Application tooling part link**

|                               |            |
|-------------------------------|------------|
| Application Tooling Part Link | 62203-0455 |
|-------------------------------|------------|

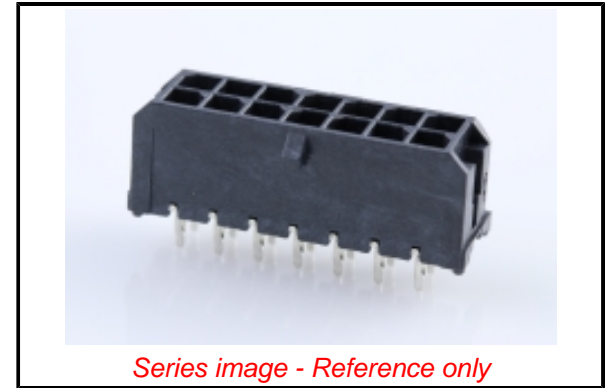
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <u>44914</u>  |
| Application    | Power, Wire-to-Board  |
| Comments       | <p>""""""High Temperature Square Pin&lt;P&gt;&lt;P&gt;This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. &lt;P&gt;&lt;P&gt; The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). &lt;P&gt; If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. """"""</p> |

|              |                                   |
|--------------|-----------------------------------|
| Overview     | <u>Micro-Fit Connector System</u> |
| Product Name | Micro-Fit CPI                     |
| UPC          | 756054636787                      |

**Physical**

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 12    |
| Circuits (maximum)             | 12    |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 30    |
| Flammability                   | 94V-0 |
| Glow-Wire Capable              | Yes   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[44914 Series](#)

**Mates With**

[430251200](#) Micro-Fit 3.0 Receptacle Housing

**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**

Removal Tool

**Product #**

[622030455](#)

|                                    |   |
|------------------------------------|---|
| Material - Metal                   | High Performance Alloy (HPA)                              |
| Material - Plating Mating          | Tin   |
| Material - Plating Termination     | Tin   |
| Material - Resin                   | High Temperature Thermoplastic                            |
| Net Weight                         | 1.686/g   |
| Number of Rows                     | 2   |
| Orientation                        | Vertical  |
| PCB Locator                        | Yes   |
| PCB Retention                      | Yes   |
| Packaging Type                     | Tray  |
| Pitch - Mating Interface           | 3.00mm  |
| Plating min - Mating               | 5.080µm   |
| Plating min - Termination          | 5.080µm   |
| Polarized to PCB                   | Yes   |
| Shrouded                           | Fully   |
| Stackable                          | No  |
| Surface Mount Compatible (SMC)     | No  |
| Temperature Range - Operating      | -40° to +105°C  |
| Termination Interface: Style       | Through Hole - Compliant Pin                              |
| <b>Electrical</b>                  |   |
| Current - Maximum per Contact      | 8.5A  |
| Voltage - Maximum                  | 600V  |
| <b>Solder Process Data</b>         |   |
| Lead-freeProcess Capability        | N/A   |
| <b>Material Info</b>               |   |
| <b>Reference - Drawing Numbers</b> |   |
| Packaging Specification            | PK-70873-0314-001   |
| Product Specification              | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001 |
| Sales Drawing                      | SD-44914-002-001  |
| Symbol/Footprint Data              | SYM-44914-1201-001  |
| Test Summary                       | TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001   |

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