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**Part Number:** [44914-1201](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** 3.00mm Pitch Micro-Fit 3.0 CPI™ Header, Compliant Pin Interface, Dual Row, Vertical, 12 Circuits, Tin (Sn) Plating, Glow Wire Compatible

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                             | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">Product Specification PS-43045 (PDF)</a> |  |

**Agency Certification**

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

**General**

|                               |   |
|-------------------------------|---|
| Product Family                | PCB Headers   |
| Series                        | <a href="#">44914</a>   |
| Application                   | Power, Wire-to-Board  |
| Application Tooling Part Link | 62200-8400  |
| Application Tooling Part Link | 62203-0455  |
| Comments                      | "High Temperature Square Pin<P><P>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. <P><P> 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). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options." |
| Overview                      | <a href="#">Micro-Fit 3.0™ Connectors</a>   |
| Product Literature Order No   | 987650-5984   |
| Product Name                  | Micro-Fit 3.0 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 Compliant            | Yes                          |
| Material - Metal               | High Performance Alloy (HPA) |
| Material - Plating Mating      | Tin                          |

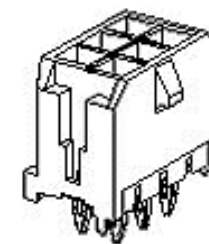


image - Reference only

Series

**EU RoHS**

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

**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**

44914Series

**Mates With**

43025-1200 Receptacle

**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 #                  |
|--------------------------|----------------------------|
| Compliant Pin            | <a href="#">0622008400</a> |
| Insertion Flat Rock Tool |                            |
| Removal Tool             | <a href="#">0622030455</a> |

|                                |                                |
|--------------------------------|--------------------------------|
| 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°C to +105°C                |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

### **Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5A   |
| Voltage - Maximum             | 250V |

### **Material Info**

### **Reference - Drawing Numbers**

|                       |  |
|-----------------------|--|
| Product Specification | PS-43045, RPS-43045-003, RPS-43045-004 |
| Sales Drawing         | SD-44914-002                           |

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