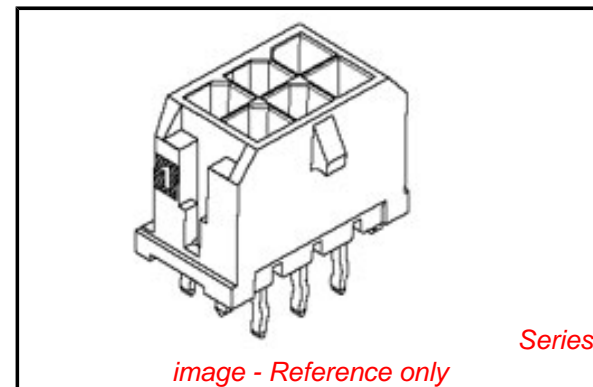


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [43045-1412](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** 3.00mm Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Dual Row, Vertical, with PCB Polarizing Peg, 14 Circuits, Tin (Sn) Plating, Glow Wire Compatible, with Kinked PC Tails, Glow Wire Compatible

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                             | <a href="#">Test Summary TS-43045-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-43045 (PDF)</a> | <a href="#">Product Literature (PDF)</a>             |



**Agency Certification**

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


**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">43045</a>  |
| Application    | Power, Wire-to-Board   |
| Comments       | "High Temperature Square Pin Offset Through Hole Mounting Solder Type<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™                            |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 14      |
| Circuits (maximum)             | 14      |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Compliant            | Yes     |
| Mated Height                   | 17.27mm |
| Material - Metal               | Brass   |
| Material - Plating Mating      | Tin     |

|  |  |
|--|--|
| <b>EU RoHS</b><br><b>ELV and RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br><b>Contains SVHC: No</b><br><b>Low-Halogen Status</b><br><b>Not Reviewed</b> | <b>China RoHS</b><br> |
|--|--|

**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**  
43045Series

**Mates With**  
43025

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 3.00mm                         |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40°C to +105°C                |
| Termination Interface: Style   | Through Hole - Kinked Pin      |

### Electrical

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

### Solder Process Data

|  |                              |
|--|------------------------------|
| Duration at Max. Process Temperature (seconds) | 30                           |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                            |
| Process Temperature max. C                     | 260                          |

### Material Info

|     |              |
|-----|--------------|
| UPC | 800754373661 |
|-----|--------------|

### Reference - Drawing Numbers

|                       |  |
|-----------------------|--|
| Product Specification | PS-43045, RPS-43045-003, RPS-43045-004 |
| Sales Drawing         | SD-43045-005                           |
| Test Summary          | TS-43045-001                           |

This document was generated on 06/27/2012

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**