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**Part Number:** [0430452014](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 20 Circuits, with PCB Polarizing Peg, Gold, Glow-Wire Capable, Black

**Documents:**

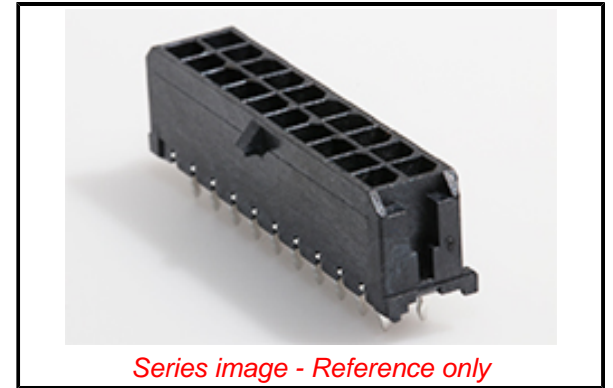
|   |  |
|---|--|
| <a href="#">3D Model</a>  | <a href="#">Test Summary TS-43045-002-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>  |
| <a href="#">Product Specification PS-43045 (PDF)</a>            | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Packaging Specification PK-70873-0314-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">Test Summary TS-43045-001-001 (PDF)</a>             |  |

**Agency Certification**

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

**General**

|                     |   |
|---------------------|---|
| Product Family      | PCB Headers   |
| Series              | <a href="#">43045</a>   |
| 3D Viewer           | Yes   |
| Application         | Power, Wire-to-Board  |
| CURRENT-MAX-NUMERIC | 8.5   |
| Comments            | <p>High Temperature Square Pin Offset Through Hole Mounting Solder Type&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. High Temperature Square Pin Offset Through Hole Mounting Solder Type&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</p> |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**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**

[43045 Series](#)

**Mates With**

Micro-Fit 3.0 Receptacle Housing [43025](#)  
 Micro-Fit 3.0 TPA Receptacle Housing [172952](#)

|   |  |
|---|--|
| 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. """""""" |  |
| <b>Overview</b>   | <u>Micro-Fit Connector System</u>                    |
| PITCH-MATING-NUMERIC  | 3.00   |
| Product Literature Order No   | 987650-5984  |
| Product Name  | Micro-Fit 3.0  |
| UPC   | 800754375535   |
| <b>Physical</b>   |  |
| Breakaway   | No   |
| Circuits (Loaded)   | 20   |
| Circuits (maximum)  | 20   |
| Color - Resin   | Black  |
| Durability (mating cycles max)  | 30   |
| Flammability  | 94V-0  |
| Glow-Wire Capable   | Yes  |
| Mated Height  | 17.64mm  |
| Material - Metal  | Brass  |
| Material - Plating Mating   | Gold   |
| Material - Plating Termination  | Tin  |
| Material - Resin  | High Temperature Thermoplastic                       |
| Net Weight  | 2.677/g  |
| 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  | 0.762µm  |
| Polarized to PCB  | Yes  |
| Shrouded  | Fully  |
| Stackable   | No   |
| Surface Mount Compatible (SMC)  | Yes  |
| Temperature Range - Operating   | -40° to +105°C                                       |
| Termination Interface: Style  | Through Hole - Kinked Pin                            |
| <b>Electrical</b>   |  |
| Current - Maximum per Contact   | 8.5A   |
| Voltage - Maximum   | 600V   |
| <b>Solder Process Data</b>  |  |
| Duration at Max. Process Temperature (seconds)  | 030  |
| Lead-free Process Capability  | SMC&WAVE   |
| Max. Cycles at Max. Process Temperature   | 003  |
| Process Temperature max. C  | 260  |
| <b>Material Info</b>  |  |
| <b>Reference - Drawing Numbers</b>  |  |
| Packaging Specification   | PK-70873-0314-001                                    |
| Product Specification   | PS-43045   |
| Sales Drawing   | SD-43045-005   |
| Symbol/Footprint Data   | SYM-43045-2012, SYM-43045-201X                       |
| Test Summary  | TS-43045-001-001, TS-43045-002-001, TS-46235-001-001 |

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