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**Part Number:** [0430452409](#)  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 24 Circuits, with Solder Tab, Tin, Glow-Wire Capable, Black

**Documents:**

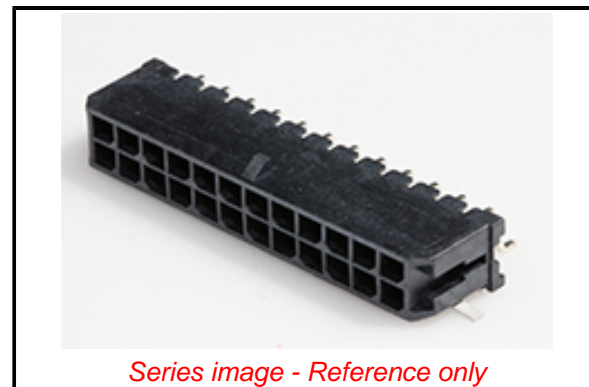
|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>  |
| <a href="#">3D Model</a>                                       | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>  |
| <a href="#">Product Specification PS-43045 (PDF)</a>           | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Packaging Specification 430450001-PK-000 (PDF)</a> | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">Test Summary 430450004-TS-000 (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 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. &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 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. &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</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](#)

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. """"""""  
**Micro-Fit Connector System**  
 3.00  
 987650-5984  
 Micro-Fit 3.0  
 800754376600

**Physical**

Breakaway No  
 Circuits (Loaded) 24  
 Circuits (maximum) 24  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 Flammability 94V-0  
 Glow-Wire Capable Yes  
 Mated Height 10.29mm  
 Material - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 3.429g  
 Number of Rows 2  
 Orientation Right Angle  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 3.00mm  
 Plating min - Mating 0.254µm  
 Polarized to PCB Yes  
 Shrouded Fully  
 Stackable No  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 8.5A  
 Voltage - Maximum 600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 030  
 Lead-freeProcess Capability REFLOW  
 Max. Cycles at Max. Process Temperature 003  
 Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification 430450001-PK-000  
 Product Specification PS-43045  
 Sales Drawing SD-43045-004-000  
 Symbol/Footprint Data SYM-43045-2409  
 Test Summary 430450004-TS-000, TS-43045-001-001,  
 TS-46235-001-001

# Mouser Electronics

Authorized Distributor

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