

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

**Part Number:** [0430451221](#)  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 12 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black

**Documents:**

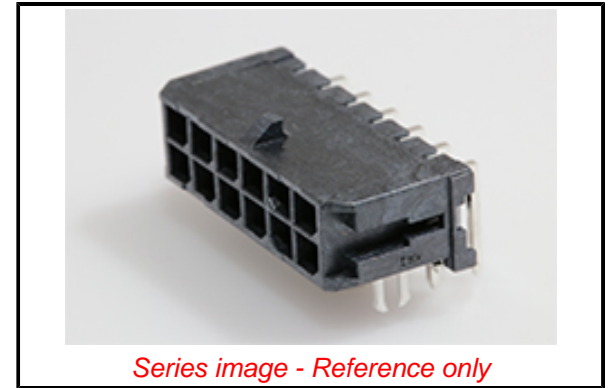
<a href="#">3D Model</a>	<a href="#">Test Summary TS-43045-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-46235-001-001 (PDF)</a>
<a href="#">Product Specification PS-43045 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-70873-0313-001 (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&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 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</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  
 800753830721

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 Flammability 94V-0  
 Glow-Wire Capable Yes  
 Mated Height 10.06mm  
 Material - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 2.035/g  
 Number of Rows 2  
 Orientation Right Angle  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Tray  
 Pitch - Mating Interface 3.00mm  
 Plating min - Mating 0.254µm  
 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

**Electrical**

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

**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-70873-0313-001  
 Product Specification PS-43045  
 Sales Drawing SD-43045-008-000  
 Symbol/Footprint Data SYM-43045-1221, SYM-43045-1221\_3  
 Test Summary 430450004-TS-000, TS-43045-001-001, TS-46235-001-001

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Authorized Distributor

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