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**Part Number:** **0430451420**  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0 Connector System Product Family  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 14 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black

**Documents:**

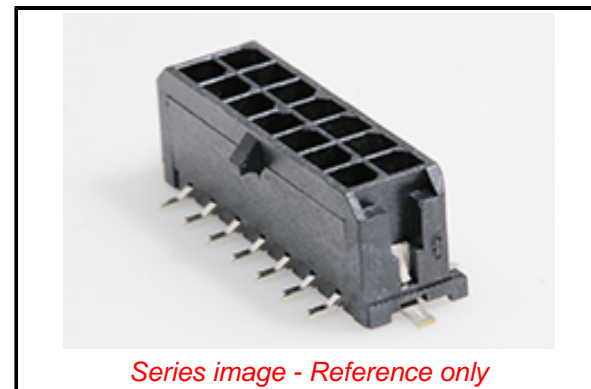
<a href="#">3D Model</a>	<a href="#">Product Specification TS-46235-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 430450002-PK-000 (PDF)</a>
<a href="#">Product Specification PS-43045 (PDF)</a>	<a href="#">Packaging Specification PK-70873-05XX-002 (PDF)</a>
<a href="#">Product Specification PS-43045-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification TS-43045-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Product Specification TS-43045-002-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<u>43045</u>
Application	Power, Wire-to-Board
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. 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). 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. 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-</p>



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 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

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  
Product Literature Order No  
Product Name  
UPC

Micro-Fit 3.0 Connector System Product Family  
987650-5984  
Micro-Fit 3.0  
800753834040

**Physical**

Breakaway No  
Circuits (Loaded) 14  
Circuits (maximum) 14  
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 2.175/g  
Number of Rows 2  
Orientation Vertical  
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 0.762µm  
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 430450002-PK-000, PK-70873-05XX-002  
Product Specification PS-43045, PS-43045-001, TS-43045-001-001,  
TS-43045-002-001, TS-46235-001-001  
Sales Drawing SD-43045-007-001  
Symbol/Footprint Data SYM-43045-1418

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