

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

**Part Number:** [0430451000](#)

**Status:** **Active**

**Overview:** Micro-Fit 3.0 Connector System Product Family

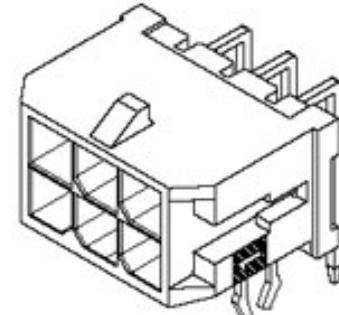
**Description:** Micro-Fit 3.0™ Right Angle Header, 3.00mm Pitch, Dual Row, 10 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Glow Wire Capable, Black

**Documents:**

[3D Model](#)  
[Drawing \(PDF\)](#)

[Product Specification PS-43045 \(PDF\)](#)  
[Product Specification TS-43045-001-001 \(PDF\)](#)  
[Product Specification TS-46235-001-001 \(PDF\)](#)

[Application Specification AS-43045-001 \(PDF\)](#)  
[Test Summary 430450004-TS-000 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)  
[Product Literature \(PDF\)](#)



*Series image - Reference only*

**Agency Certification**

CSA  
UL

LR19980  
E29179

**General**

Product Family  
Series  
Application  
Comments

PCB Headers  
[43045](#)  
Power, Wire-to-Board  
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. <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.

[Micro-Fit 3.0 Connector System Product Family](#)  
987650-5984  
[Micro-Fit 3.0™](#)  
800754372121

Overview  
Product Literature Order No  
Product Name  
UPC

**Physical**

Breakaway  
Circuits (Loaded)  
Circuits (maximum)  
Color - Resin  
Durability (mating cycles max)  
Flammability  
Glow-Wire Compliant  
Mated Height  
Material - Metal  
Material - Plating Mating  
Material - Plating Termination

No  
10  
10  
Black  
30  
94V-0  
Yes  
10.29mm  
Brass  
Tin  
Tin

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

43045 Series

**Mates With**

Micro-Fit 3.0™ Receptacle Housing 43025  
<br>Micro-Fit 3.0™ Cable Assembly [245132](#)

Material - Resin	High Temperature Thermoplastic
Net Weight	1.677/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°C to +105°C
Termination Interface: Style	Through Hole

#### **Electrical**

Current - Maximum per Contact	5.0A
Voltage - Maximum	600V

#### **Solder Process Data**

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

#### **Material Info**

##### **Reference - Drawing Numbers**

Application Specification	AS-43045-001
Product Specification	PS-43045, TS-43045-001-001, TS-46235-001-001
Sales Drawing	SD-43045-001
Test Summary	430450004-TS-000

This document was generated on 05/24/2017

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