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**Part Number:** [0430450413](#)

**Status:** **Active**

**Overview:** Micro-Fit 3.0™ Connectors

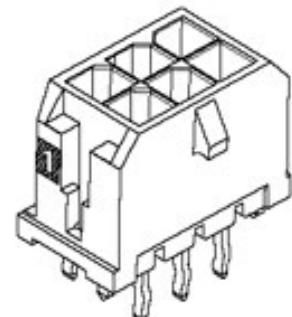
**Description:** Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Dual Row, 4 Circuits, with PCB Polarizing Peg, Gold, Glow Wire Capable, Black

**Documents:**

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

[Product Specification PS-43045 \(PDF\)](#)  
[Product Specification TS-43045-001-001 \(PDF\)](#)  
[Product Specification TS-43045-002-001 \(PDF\)](#)

[Product Specification TS-46235-001-001 \(PDF\)](#)  
[Packaging Specification PK-70873-0314 \(PDF\)](#)  
[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|Offset Through Hole  
Mounting|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™ Connectors](#)

987650-5984  
Micro-Fit 3.0™  
800754370561

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

No  
4  
4  
Black  
30  
94V-0  
Yes  
17.64mm  
Brass  
Gold

**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](#)

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.729/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	0.381µm
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 - Kinked Pin

#### **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**

Packaging Specification	PK-70873-0314
Product Specification	PS-43045, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-43045-005
Symbol/Footprint Data	SYM-43045-041X

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