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**Part Number:** [0430451209](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 12 Circuits, with Solder Tab, Tin, Glow-Wire Capable, Black, Tape and Reel

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 430450001-PK-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary 430450004-TS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-43045-001-001 (PDF)</a>
<a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a>	<a href="#">Test Summary TS-46235-001-001 (PDF)</a>
<a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification PS-43045-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-43045-1209-001 (PDF)</a>
<a href="#">Application Specification AS-43045-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

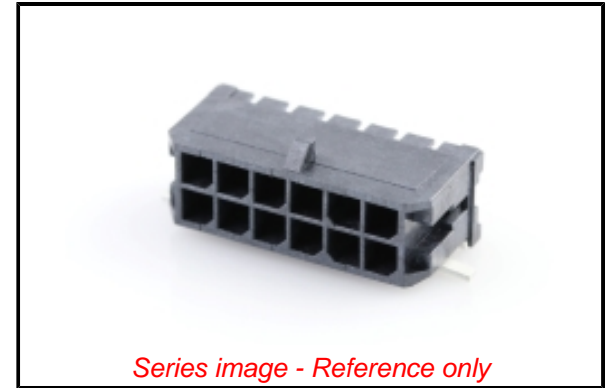
**General**

Product Family	PCB Headers
Series	<a href="#">43045</a>
Application	Power, Wire-to-Board
Comments	High Temperature, Square Pin, Solder Type; 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.

Component Type	PCB Header
Overview	<a href="#">Micro-Fit Connector System</a>
Product Name	Micro-Fit 3.0
Taxonomy	PCB Headers and Receptacles
UPC	800754372961

**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	10.29mm
Material - Metal	Brass



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained per -  
D(2022)9120-DC (17  
Jan 2023)

**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](#)  
<br>Micro-Fit 3.0 TPA Receptacle Housing  
[172952](#)

Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.877/g
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-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

#### Material Info

#### Reference - Drawing Numbers

Application Specification	AS-43045-001-001
Packaging Specification	430450001-PK-000
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001
Sales Drawing	SD-43045-004-000
Symbol/Footprint Data	SYM-43045-1209-001
Test Summary	430450004-TS-000, TS-43045-001-001, TS-46235-001-001

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