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**Part Number:** [0430451806](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 18 Circuits, with PCB Press-fit Metal Retention Clip, 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-43045-1806-001 (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  |

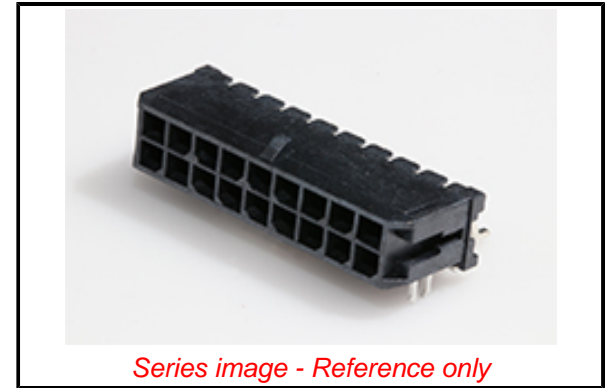
**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | 43045  |
| Application    | Power, Wire-to-Board   |
| Comments       | """"""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. """""" |

|              |  |
|--------------|--|
| Overview     | <a href="#">Micro-Fit Connector System</a> |
| Product Name | Micro-Fit 3.0                              |
| UPC          | 800754374729                               |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 18      |
| Circuits (maximum)             | 18      |
| 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(2021)4569-DC (8  
July 2021)

**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                     | 2.613/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,<br>PS-43045-001 |
| Sales Drawing             | SD-43045-003-000  |
| Symbol/Footprint Data     | SYM-43045-1806-001  |
| Test Summary              | 430450004-TS-000, TS-43045-001-001,<br>TS-46235-001-001   |

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