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**Part Number:** **0430451629**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 16 Circuits, with PCB Polarizing Peg, Gold, Glow-Wire Capable, Black

**Documents:**

|   |  |
|---|--|
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Test Summary 430450006-TS-000 (PDF)</a>            |
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>            |
| <a href="#">3D Model</a>  | <a href="#">Test Summary TS-43045-002-001 (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-43045-1627-001 (PDF)</a> |
| <a href="#">Packaging Specification PK-70873-0314-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

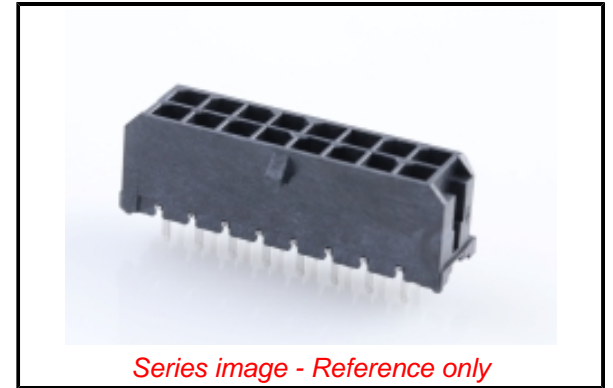
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <u>43045</u>  |
| Application    | Power, Wire-to-Board  |
| Comments       | <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. &lt;P&gt;&lt;P&gt; 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). &lt;P&gt; If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. *****</p> |

|              |                                   |
|--------------|-----------------------------------|
| Overview     | <u>Micro-Fit Connector System</u> |
| Product Name | Micro-Fit 3.0                     |
| UPC          | 800753837416                      |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 16      |
| Circuits (maximum)             | 16      |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Capable              | Yes     |
| Lock to Mating Part            | Yes     |
| Mated Height                   | 17.64mm |
| Material - Metal               | Brass   |
| Material - Plating Mating      | Gold    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 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 Termination                 | Tin   |
| Material - Resin                               | High Temperature Thermoplastic  |
| Net Weight                                     | 2.180/g   |
| Number of Rows                                 | 2   |
| Orientation                                    | Vertical  |
| PC Tail Length                                 | 3.18mm  |
| PCB Locator                                    | Yes   |
| PCB Retention                                  | None  |
| PCB Thickness - Recommended                    | 1.60mm  |
| Packaging Type                                 | Tray  |
| Pitch - Mating Interface                       | 3.00mm  |
| Plating min - Mating                           | 0.762µm   |
| Polarized to PCB                               | Yes   |
| Shrouded                                       | Fully   |
| Stackable                                      | No  |
| Surface Mount Compatible (SMC)                 | Yes   |
| Temperature Range - Operating                  | -40° to +105°C  |
| Termination Interface: Style                   | Through Hole  |
| <b>Electrical</b>                              |   |
| Current - Maximum per Contact                  | 8.5A  |
| Voltage - Maximum                              | 600V  |
| <b>Solder Process Data</b>                     |   |
| Duration at Max. Process Temperature (seconds) | 030   |
| Lead-free Process Capability                   | SMC&WAVE  |
| Max. Cycles at Max. Process Temperature        | 003   |
| Process Temperature max. C                     | 260   |
| <b>Material Info</b>                           |   |
| <b>Reference - Drawing Numbers</b>             |   |
| Packaging Specification                        | PK-70873-0314-001   |
| Product Specification                          | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001                 |
| Sales Drawing                                  | SD-43045-010  |
| Symbol/Footprint Data                          | SYM-43045-1627-001  |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001 |

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