

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

**Part Number:** **0430452028**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 20 Circuits, with PCB Polarizing Peg, Gold, Glow-Wire Capable, Black

**Documents:**

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

**Agency Certification**

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

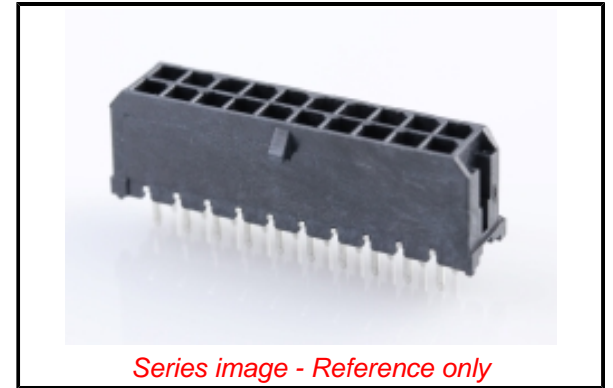
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <u>43045</u>  |
| Application    | Power, Wire-to-Board  |
| Comments       | 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       | <u>Micro-Fit Connector System</u> |
| Product Name   | Micro-Fit 3.0                     |
| Taxonomy       | PCB Headers and Receptacles       |
| UPC            | 800753841819                      |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 20      |
| Circuits (maximum)             | 20      |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Capable              | Yes     |
| Lock to Mating Part            | Yes     |
| Mated Height                   | 17.64mm |



*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 - Metal                               | Brass   |
| Material - Plating Mating                      | Gold  |
| Material - Plating Termination                 | Tin   |
| Material - Resin                               | High Temperature Thermoplastic  |
| Net Weight                                     | 2.677/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                           | 0.381µm   |
| Polarized to PCB                               | Yes   |
| Shrouded                                       | Fully   |
| Stackable                                      | No  |
| Surface Mount Compatible (SMC)                 | Yes   |
| Temperature Range - Operating                  | -40° to +125°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-43045-010-001  |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001 |

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