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**Part Number:** 0430450622  
**Status:** Active  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 6 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black

**Documents:**

- [Drawing \(PDF\)](#)  
[3D Model](#)  
[3D Model \(PDF\)](#)  
[Product Specification 430450001-PS-KO-000 \(PDF\)](#)  
[Product Specification 430450001-PS-SP-000 \(PDF\)](#)  
[Product Specification PS-43045-001 \(PDF\)](#)  
[Application Specification AS-43045-001-001 \(PDF\)](#)  
[Packaging Specification PK-70873-0313-001 \(PDF\)](#)
- [Test Summary 430450006-TS-000 \(PDF\)](#)  
[Test Summary TS-43045-001-001 \(PDF\)](#)  
[Test Summary TS-43045-002-001 \(PDF\)](#)  
[Test Summary TS-46235-001-001 \(PDF\)](#)  
[Datasheet \(PDF\)](#)  
[Symbol Footprint Data SYM-43045-0621-001 \(PDF\)](#)  
[Symbol Footprint Data SYM-43045-06213-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

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

**General**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Series         | 43045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Comments       | High Temperature Square Pin Solder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Overview       | 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. |
| Product Name   | Micro-Fit Connector System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UPC            | Micro-Fit 3.0<br>800753816275                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 6       |
| Circuits (maximum)             | 6       |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Capable              | Yes     |
| Mated Height                   | 10.06mm |



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**

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | 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](#) <br> Micro-Fit 3.0 Cable Assembly  
[214755](#) , [214756](#)

|                                                |                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------|
| Material - Metal                               | Brass                                                                     |
| Material - Plating Mating                      | Gold                                                                      |
| Material - Plating Termination                 | Tin                                                                       |
| Material - Resin                               | High Temperature Thermoplastic                                            |
| Net Weight                                     | 1.195/g                                                                   |
| Number of Rows                                 | 2                                                                         |
| Orientation                                    | Right Angle                                                               |
| 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° 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-freeProcess Capability                    | SMC&WAVE                                                                  |
| Max. Cycles at Max. Process Temperature        | 003                                                                       |
| Process Temperature max. C                     | 260                                                                       |
| <b>Material Info</b>                           |                                                                           |
| <b>Reference - Drawing Numbers</b>             |                                                                           |
| Application Specification                      | AS-43045-001-001                                                          |
| Packaging Specification                        | PK-70873-0313-001                                                         |
| Product Specification                          | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001                 |
| Sales Drawing                                  | SD-43045-008-000                                                          |
| Symbol/Footprint Data                          | SYM-43045-0621-001, SYM-43045-0621_3-001                                  |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001 |

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