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**Part Number:** [0430451409](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** Micro-Fit 3.0™ Right Angle Header, 3.00mm Pitch, Dual Row, 14 Circuits, with Solder Tab, Tin, Glow Wire Capable, Black

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-43045-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary 430450004-TS-000 (PDF)</a>          |
| <a href="#">Product Specification PS-43045 (PDF)</a>         | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Product Specification TS-43045-001-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                     |
| <a href="#">Product Specification TS-46235-001-001 (PDF)</a> |  |

**Agency Certification**

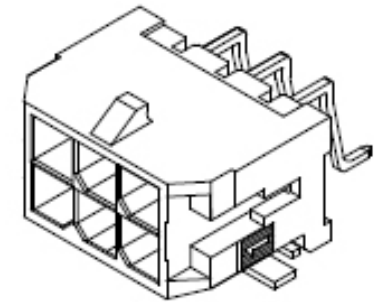
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                             |   |
|-----------------------------|---|
| Product Family              | PCB Headers   |
| Series                      | <a href="#">43045</a>   |
| Application                 | Power, Wire-to-Board  |
| Comments                    | "High Temperature Square Pin Solder Type<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."<br><a href="#">Micro-Fit 3.0™ Connectors</a><br>987650-5984<br>Micro-Fit 3.0™<br>800754373609 |
| Overview                    |   |
| Product Literature Order No |   |
| Product Name                |   |
| UPC                         |   |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 14      |
| Circuits (maximum)             | 14      |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Compliant            | Yes     |
| Mated Height                   | 10.29mm |
| Material - Metal               | Brass   |
| Material - Plating Mating      | Tin     |
| Material - Plating Termination | Tin     |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| 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](#)

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.145/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°C to +105°C                |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.0A |
| 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                                 |
| Product Specification     | PS-43045, TS-43045-001-001, TS-46235-001-001 |
| Sales Drawing             | SD-43045-004                                 |
| Test Summary              | 430450004-TS-000                             |

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