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**Part Number:** **0436501009**  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0 Connector System Product Family  
**Description:** Micro-Fit 3.0™ Right Angle Header, 3.00mm Pitch, Single Row, 10 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow Wire Capable, Black

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification TS-46235-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification 708730000-PK-000 (PDF)</a> |
| <a href="#">Product Specification PS-43650 (PDF)</a>         | <a href="#">Test Summary 430450004-TS-000 (PDF)</a>            |
| <a href="#">Product Specification TS-43045-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification TS-43045-002-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                       |

**Agency Certification**

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

**General**

|                             |   |
|-----------------------------|---|
| Product Family              | PCB Headers   |
| Series                      | <a href="#">43650</a>   |
| Application                 | Power, Wire-to-Board  |
| Comments                    | "High Temperature Square Pin<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 3.0 Connector System Product Family</a>   |
| Product Literature Order No | 987650-5984   |
| Product Name                | Micro-Fit 3.0™  |
| UPC                         | 800754770361  |

**Physical**

|                                |        |
|--------------------------------|--------|
| Breakaway                      | No     |
| Circuits (Loaded)              | 10     |
| Circuits (maximum)             | 10     |
| Color - Resin                  | Black  |
| Durability (mating cycles max) | 30     |
| Flammability                   | 94V-0  |
| Glow-Wire Compliant            | Yes    |
| Mated Height                   | 6.98mm |
| 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/30/2017 (7 July 2017)

**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**

[43650 Series](#)

**Mates With**

[43645 Micro-Fit 3.0™ Receptacle Housing](#)

|  |   |
|--|---|
| Material - Resin                               | High Temperature Thermoplastic                                    |
| Net Weight                                     | 1.589/g   |
| Number of Rows                                 | 1   |
| 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                           | 2.540µm   |
| Plating min - Termination                      | 2.540µm   |
| Polarized to PCB                               | Yes   |
| Shrouded                                       | Fully   |
| Stackable                                      | No  |
| Temperature Range - Operating                  | -40°C to +105°C   |
| Termination Interface: Style                   | Surface Mount   |
| <b>Electrical</b>                              |   |
| Current - Maximum per Contact                  | 5.0A  |
| Voltage - Maximum                              | 600V  |
| <b>Solder Process Data</b>                     |   |
| Duration at Max. Process Temperature (seconds) | 030   |
| Lead-free Process Capability                   | REFLOW  |
| Max. Cycles at Max. Process Temperature        | 003   |
| Process Temperature max. C                     | 260   |
| <b>Material Info</b>                           |   |
| <b>Reference - Drawing Numbers</b>             |   |
| Packaging Specification                        | 708730000-PK-000  |
| Product Specification                          | PS-43650, TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001 |
| Sales Drawing                                  | SD-43650-004-000  |
| Test Summary                                   | 430450004-TS-000  |

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