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**Part Number:** **0436501215**  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Single Row, 12 Circuits, with PCB Polarizing Peg, 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 PK-70873-0811 (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."<br><a href="#">Micro-Fit 3.0™ Connectors</a> |
| Overview                    |  |
| Product Literature Order No | 987650-5984  |
| Product Name                | Micro-Fit 3.0™   |
| UPC                         | 800754016391   |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 12      |
| Circuits (maximum)             | 12      |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Compliant            | Yes     |
| Mated Height                   | 17.27mm |
| 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/01/2017 (12  
January 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                     | 1.866/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 3.00mm                         |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -40°C to +105°C                |
| Termination Interface: Style   | Through Hole - Kinked Pin      |

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum             | 600V |

#### Solder Process Data

|  |          |
|--|----------|
| 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      |

#### Material Info

#### Reference - Drawing Numbers

|                         |   |
|-------------------------|---|
| Packaging Specification | PK-70873-0811   |
| Product Specification   | PS-43650, TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001 |
| Sales Drawing           | SD-43650-006  |
| Test Summary            | 430450004-TS-000  |

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