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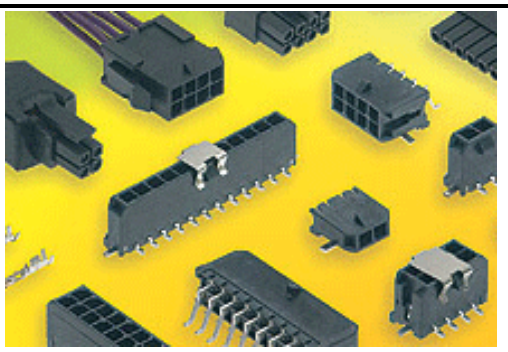
**Part Number:** 0436500903
**Status:** Active
**Overview:** Micro-Fit 3.0 Connector System Product Family
**Description:** Micro-Fit 3.0 Right Angle Header, 3.00mm Pitch, Single Row, 9 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow Wire Capable, Black



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Product Specification PS-43650 (PDF)
- Product Specification TS-43045-001-001 (PDF)
- Product Specification TS-43045-002-001 (PDF)
- Product Specification TS-46235-001-001 (PDF)
- Packaging Specification PK-70873-0321-001 (PDF)
- Test Summary 430450004-TS-000 (PDF)
- RoHS Certificate of Compliance (PDF)
- Product Literature (PDF)

**Agency Certification**

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

**General**

| | |
|---|---|
| Product Family | PCB Headers |
| Series | 43650 |
| 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.""""""""""" |
| Overview | Micro-Fit 3.0 Connector System Product Family |
| Product Literature Order No | 987650-5984 |
| Product Name | Micro-Fit 3.0 |
| UPC | 800754771566 |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 9 |
| Circuits (maximum) | 9 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Capable | Yes |
| Mated Height | 6.98mm |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |

**EU ELV**
**Not Relevant**

**EU RoHS** | **China RoHS**
**Compliant**

**REACH SVHC**
Not Contained Per -ED/01/2018 (15 January 2018)

**Halogen-Free Status**
**Low-Halogen**

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

Email 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**
Micro-Fit 3.0 Receptacle Housing 43645 <br>Micro-Fit 3.0 TPA Receptacle Housing 171850

| | |
|---|---|
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1.737/g |
| Number of Rows | 1 |
| 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 | 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 |

**Electrical**

| | |
|---|---|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum | 600V |

**Solder Process Data**

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 030 |
| Lead-freeProcess Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 003 |
| Process Temperature max. C | 260 |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Packaging Specification | PK-70873-0321-001 |
| Product Specification | PS-43650, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001 |
| Sales Drawing | SD-43650-002-000 |
| Test Summary | 430450004-TS-000 |