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**Part Number:** [43650-0725](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** 3.00mm Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Vertical, with Solder Tab, 7 Circuits, 0.38µm Gold (Au) Selective Plating, Glow Wire Compatible

**Documents:**

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

**Agency Certification**

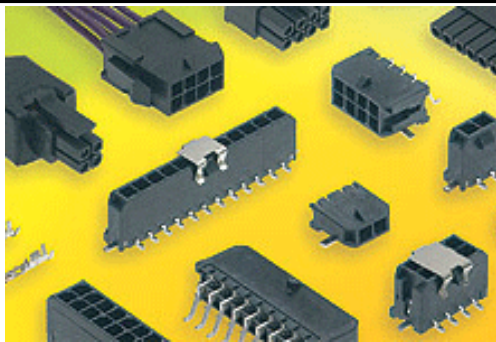
|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

**General**

|                             |   |
|-----------------------------|---|
| Product Family              | PCB Headers   |
| Series                      | <a href="#">43650</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." |
| Overview                    | <a href="#">Micro-Fit 3.0™ Connectors</a>   |
| Product Literature Order No | 987650-5984   |
| Product Name                | Micro-Fit 3.0™  |
| UPC                         | 800753294165  |

**Physical**

|                                |           |
|--------------------------------|-----------|
| Breakaway                      | No        |
| Circuits (Loaded)              | 7         |
| Circuits (maximum)             | 7         |
| 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      | Gold, Tin |
| Material - Plating Termination | Tin       |



Series

image - Reference only

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[43650Series](#)

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

|                               |  |
|-------------------------------|--|
| Material - Resin              | High Temperature Thermoplastic                                 |
| Net Weight                    | 1.373/g  |
| Number of Rows                | <a href="http://onlinecomponents.com">onlinecomponents.com</a> |
| Orientation                   | Vertical   |
| 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          | 0.381µm  |
| 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  |

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5A   |
| Voltage - Maximum             | 250V |

#### Solder Process Data

|  |                           |
|--|---------------------------|
| Duration at Max. Process Temperature (seconds) | 30                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

#### Material Info

#### Reference - Drawing Numbers

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-43650     |
| Sales Drawing         | SD-43650-009 |
| Test Summary          | TS-43045-002 |

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