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**Part Number:** [0436500822](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 8 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black

**Documents:**

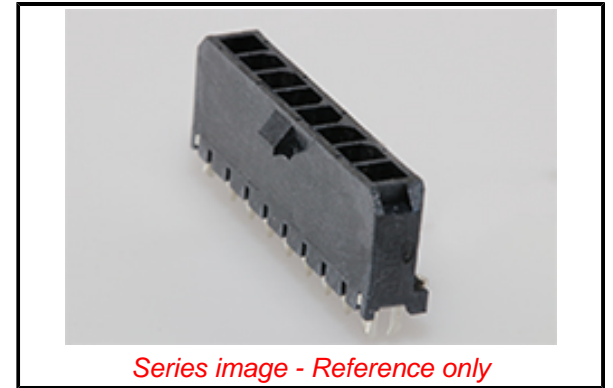
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-43045-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary TS-43045-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-46235-001-001 (PDF)</a>
<a href="#">Product Specification PS-43650 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Packaging Specification 436500002-PK-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification 708730000-PK-000 (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	<p>High Temperature Square Pin&lt;P&gt;&lt;P&gt;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. &lt;P&gt;&lt;P&gt; 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). &lt;P&gt; If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. "High Temperature Square Pin&lt;P&gt;&lt;P&gt;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. &lt;P&gt;&lt;P&gt; 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). &lt;P&gt; If it is determined during</p>



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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](#)

the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. """"""""

Micro-Fit Connector System

Overview  
Product Name Micro-Fit 3.0  
UPC 800754831550

**Physical**

Breakaway No  
Circuits (Loaded) 8  
Circuits (maximum) 8  
Color - Resin Black  
Durability (mating cycles max) 30  
Flammability 94V-0  
Glow-Wire Capable Yes  
Mated Height 17.27mm  
Material - Metal Brass  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 1.500/g  
Number of Rows 1  
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° to +105°C  
Termination Interface: Style Surface Mount

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 030  
Lead-freeProcess Capability REFLOW  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification 436500002-PK-000, 708730000-PK-000  
Product Specification PS-43650  
Sales Drawing SD-43650-008-001  
Symbol/Footprint Data SYM-43650-0821  
Test Summary TS-43045-001-001, TS-43045-002-001,  
TS-46235-001-001

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