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**Part Number:** [0436500413](#)  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 4 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black, Tape and Reel

**Documents:**

|   |  |
|---|--|
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Packaging Specification 708730000-PK-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Test Summary 430450006-TS-000 (PDF)</a>            |
| <a href="#">3D Model</a>  | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>            |
| <a href="#">Product Specification 436500001-PS-JA-000 (PDF)</a> | <a href="#">Test Summary TS-43045-002-001 (PDF)</a>            |
| <a href="#">Product Specification 436500001-PS-KO-000 (PDF)</a> | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>            |
| <a href="#">Product Specification 436500001-PS-SP-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Product Specification PS-43650-001 (PDF)</a>        | <a href="#">Symbol Footprint Data SYM-43650-0412-001 (PDF)</a> |
| <a href="#">Packaging Specification 436500001-PK-000 (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

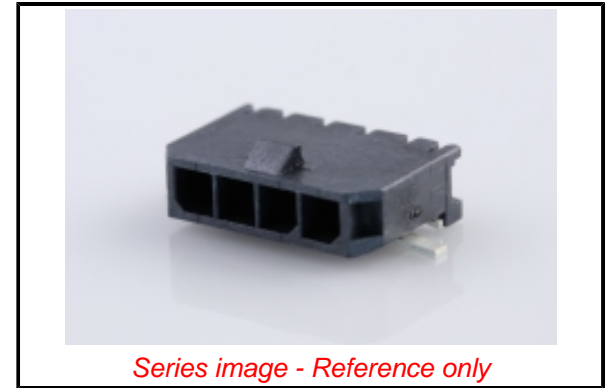
**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">43650</a>  |
| Application    | Power, Wire-to-Board   |
| Comments       | High Temperature, Square Pin, Solder Type; 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. 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). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. |

|                |  |
|----------------|--|
| Component Type | PCB Header                                 |
| Overview       | <a href="#">Micro-Fit Connector System</a> |
| Product Name   | Micro-Fit 3.0                              |
| Taxonomy       | PCB Headers and Receptacles                |
| UPC            | 800753788534                               |

**Physical**

|                                |        |
|--------------------------------|--------|
| Breakaway                      | No     |
| Circuits (Loaded)              | 4      |
| Circuits (maximum)             | 4      |
| Color - Resin                  | Black  |
| Durability (mating cycles max) | 30     |
| Flammability                   | 94V-0  |
| Glow-Wire Capable              | Yes    |
| Mated Height                   | 6.98mm |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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](#) <br> Micro-Fit 3.0 Cable Assembly  
[2147502041](#) , [2147502042](#) , [2147502043](#) ,  
[2147512041](#) , [2147512042](#) , [2147512043](#)

|  |  |
|--|--|
| Material - Metal                               | Brass  |
| Material - Plating Mating                      | Gold   |
| Material - Plating Termination                 | Tin  |
| Material - Resin                               | High Temperature Thermoplastic   |
| Net Weight                                     | 0.826/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                           | 0.381µm  |
| Plating min - Termination                      | 2.540µm  |
| Polarized to PCB                               | Yes  |
| Shrouded                                       | Fully  |
| Stackable                                      | No   |
| Temperature Range - Operating                  | -40° to +125°C   |
| Termination Interface: Style                   | Surface Mount  |
| <b>Electrical</b>                              |  |
| Current - Maximum per Contact                  | 8.5A   |
| Voltage - Maximum                              | 600V   |
| <b>Solder Process Data</b>                     |  |
| Duration at Max. Process Temperature (seconds) | 030  |
| Lead-freeProcess 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                        | 436500001-PK-000, 708730000-PK-000   |
| Product Specification                          | 436500001-PS-JA-000, 436500001-PS-KO-000,<br>436500001-PS-SP-000, PS-43650-001 |
| Sales Drawing                                  | SD-43650-005-001   |
| Symbol/Footprint Data                          | SYM-43650-0412-001   |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001      |

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