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**Part Number:** **0436501013**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 10 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black, Tape and Reel

**Documents:**

|                                                                 |                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Packaging Specification 708730000-PK-000 (PDF)</a> |
| <a href="#">3D Model</a>                                        | <a href="#">Test Summary 430450006-TS-000 (PDF)</a>            |
| <a href="#">Drawing (PDF)</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-43650-1012-001 (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  |

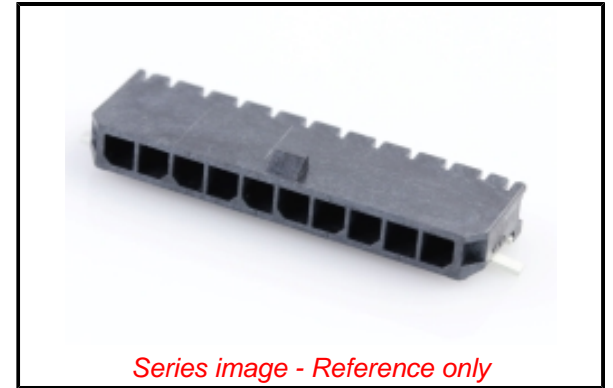
**General**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Series         | 43650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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.</p> |

|              |                                            |
|--------------|--------------------------------------------|
| Overview     | <a href="#">Micro-Fit Connector System</a> |
| Product Name | Micro-Fit 3.0                              |
| UPC          | 800754776325                               |

**Physical**

|                                |        |
|--------------------------------|--------|
| Breakaway                      | No     |
| Circuits (Loaded)              | 10     |
| Circuits (maximum)             | 10     |
| Color - Resin                  | Black  |
| Durability (mating cycles max) | 30     |
| Flammability                   | 94V-0  |
| Glow-Wire Capable              | Yes    |
| Mated Height                   | 6.98mm |
| Material - Metal               | Brass  |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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  
[2147502101](#) , [2147502102](#) , [2147502103](#) ,  
[2147512101](#) , [2147512102](#) , [2147512103](#)

|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| Material - Plating Mating                      | Gold                                                                           |
| Material - Plating Termination                 | Tin                                                                            |
| Material - Resin                               | High Temperature Thermoplastic                                                 |
| Net Weight                                     | 1.603/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-free Process 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-43650-1012-001                                                             |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001      |

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