

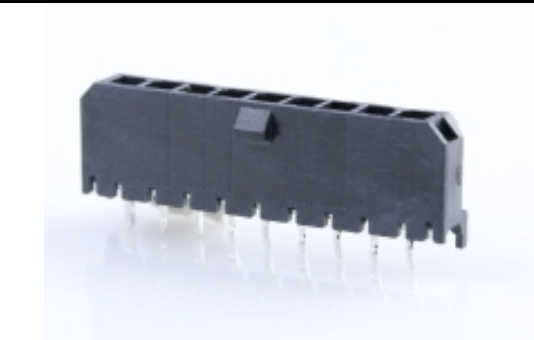
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**Part Number:** 0436500916

**Status:** Active

**Overview:** Micro-Fit Connector System

**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 9 Circuits, with PCB Polarizing Peg, Gold, Glow-Wire Capable, Black



Series image - Reference only

Documents:

- [3D Model](#)  
[3D Model \(PDF\)](#)  
[Drawing \(PDF\)](#)  
[Product Specification 436500001-PS-JA-000 \(PDF\)](#)  
[Product Specification 436500001-PS-KO-000 \(PDF\)](#)  
[Product Specification 436500001-PS-SP-000 \(PDF\)](#)  
[Product Specification PS-43650-001 \(PDF\)](#)  
[Packaging Specification PK-70873-0811-001 \(PDF\)](#)
- [Test Summary 430450006-TS-000 \(PDF\)](#)  
[Test Summary TS-43045-001-001 \(PDF\)](#)  
[Test Summary TS-43045-002-001 \(PDF\)](#)  
[Test Summary TS-46235-001-001 \(PDF\)](#)  
[Datasheet \(PDF\)](#)  
[Symbol Footprint Data SYM-43650-0915-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

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

General

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Series         | 43650                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Comments       | High Temperature Square Pin Offset Through Hole Mounting 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 Connector System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Name   | Micro-Fit 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Taxonomy       | PCB Headers and Receptacles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UPC            | 756054674932                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 9     |
| Circuits (maximum)             | 9     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 30    |
| Flammability                   | 94V-0 |
| Glow-Wire Capable              | Yes   |

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

|                 |               |
|-----------------|---------------|
| 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](#)

|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| Mated Height                                   | 17.27mm                                                                        |
| Material - Metal                               | Brass                                                                          |
| Material - Plating Mating                      | Gold                                                                           |
| Material - Plating Termination                 | Tin                                                                            |
| Material - Resin                               | High Temperature Thermoplastic                                                 |
| Net Weight                                     | 1.447/g                                                                        |
| Number of Rows                                 | 1                                                                              |
| Orientation                                    | Vertical                                                                       |
| PCB Locator                                    | Yes                                                                            |
| PCB Retention                                  | Yes                                                                            |
| PCB Thickness - Recommended                    | 1.60mm                                                                         |
| Packaging Type                                 | Tray                                                                           |
| Pitch - Mating Interface                       | 3.00mm                                                                         |
| Plating min - Mating                           | 0.381µm                                                                        |
| Plating min - Termination                      | 2.540µm                                                                        |
| Polarized to PCB                               | Yes                                                                            |
| Shrouded                                       | Fully                                                                          |
| Stackable                                      | No                                                                             |
| Surface Mount Compatible (SMC)                 | Yes                                                                            |
| Temperature Range - Operating                  | -40° to +125°C                                                                 |
| Termination Interface: Style                   | Through Hole - Kinked Pin                                                      |
| <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                    | SMC&WAVE                                                                       |
| Max. Cycles at Max. Process Temperature        | 003                                                                            |
| Process Temperature max. C                     | 260                                                                            |
| <b>Material Info</b>                           |                                                                                |
| <b>Reference - Drawing Numbers</b>             |                                                                                |
| Packaging Specification                        | PK-70873-0811-001                                                              |
| Product Specification                          | 436500001-PS-JA-000, 436500001-PS-KO-000,<br>436500001-PS-SP-000, PS-43650-001 |
| Sales Drawing                                  | SD-43650-006-001                                                               |
| Symbol/Footprint Data                          | SYM-43650-0915-001                                                             |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001      |

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