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Part Number:

0436500427

Status:

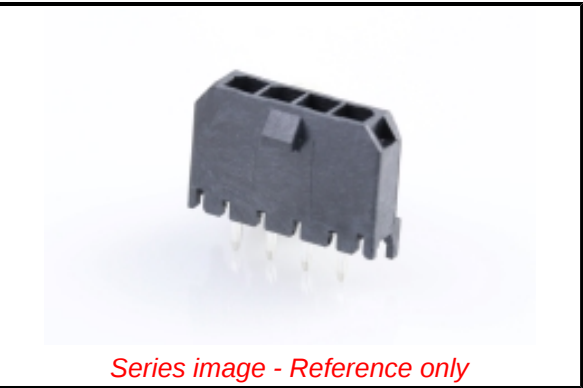
Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 4 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black



- Documents:
- Drawing (PDF)

3D Model (PDF)

3D Model

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 430450004-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-43650-0427-001 (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 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 800753789425                       |
| Physical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    |
| Breakaway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No                                 |
| Circuits (Loaded)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                                  |
| Circuits (maximum)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                                  |
| 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

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](#) <br>Micro-Fit TPA Cable Assembly [145132](#) <br> Micro-Fit 3.0 Cable Assembly [2147501041](#) , [2147501042](#) , [2147501043](#) , [2147511041](#) , [2147511042](#) , [2147511043](#)

|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| Lock to Mating Part                            | Yes                                                                            |
| Mated Height                                   | 17.27mm                                                                        |
| Material - Metal                               | Brass                                                                          |
| Material - Plating Mating                      | Tin                                                                            |
| Material - Plating Termination                 | Tin                                                                            |
| Material - Resin                               | High Temperature Thermoplastic                                                 |
| Net Weight                                     | 0.740/g                                                                        |
| Number of Rows                                 | 1                                                                              |
| Orientation                                    | Vertical                                                                       |
| PC Tail Length                                 | 3.18mm                                                                         |
| PCB Locator                                    | Yes                                                                            |
| PCB Retention                                  | None                                                                           |
| PCB Thickness - Recommended                    | 1.60mm                                                                         |
| Packaging Type                                 | Tray                                                                           |
| Pitch - Mating Interface                       | 3.00mm                                                                         |
| Plating min - Mating                           | 2.540μm                                                                        |
| Plating min - Termination                      | 2.540μm                                                                        |
| Polarized to PCB                               | Yes                                                                            |
| Shrouded                                       | Fully                                                                          |
| Stackable                                      | No                                                                             |
| Surface Mount Compatible (SMC)                 | Yes                                                                            |
| Temperature Range - Operating                  | -40° to +105°C                                                                 |
| Termination Interface: Style                   | Through Hole                                                                   |
| <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-43650-010-001                                                               |
| Symbol/Footprint Data                          | SYM-43650-0427-001                                                             |
| Test Summary                                   | 430450004-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001      |

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