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Part Number:

0436500316

Status:

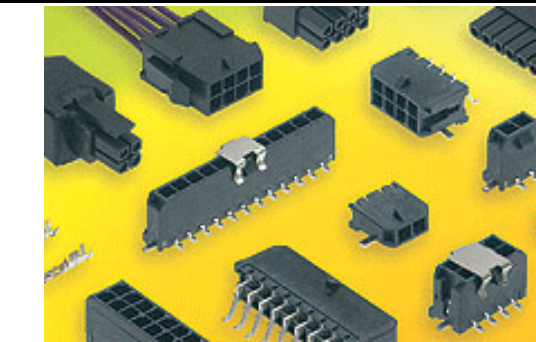
Active

Overview:

Micro-Fit 3.0™ Connectors

Description:

Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Single Row, 3 Circuits, with PCB Polarizing Peg, Gold, Glow Wire Capable, Black



Series image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-43650 (PDF)

Product Specification TS-43045-001-001 (PDF)

Product Specification TS-43045-002-001 (PDF)

Product Specification TS-46235-001-001 (PDF)

Packaging Specification PK-70873-0811 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (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 3.0™ Connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product Literature Order No    | 987650-5984                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product Name                   | Micro-Fit 3.0™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| UPC                            | 800753787933                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Physical                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Breakaway                      | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Circuits (Loaded)              | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Circuits (maximum)             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Color - Resin                  | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Flammability                   | 94V-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Glow-Wire Compliant            | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mated Height                   | 17.27mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Material - Metal               | Brass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Material - Plating Mating      | Gold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
ED/21/2016 (20 June  
2016)

Halogen-Free

Status

Low-Halogen

Need more information on product  
environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

43650 Series

Mates With

43645 Micro-Fit 3.0™ Receptacle Housing

|                                                |                                                                   |
|------------------------------------------------|-------------------------------------------------------------------|
| Material - Plating Termination                 | Tin                                                               |
| Material - Resin                               | High Temperature Thermoplastic                                    |
| Net Weight                                     | 0.595/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°C to +105°C                                                   |
| Termination Interface: Style                   | Through Hole - Kinked Pin                                         |
| <b>Electrical</b>                              |                                                                   |
| Current - Maximum per Contact                  | 5.0A                                                              |
| 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                                                     |
| Product Specification                          | PS-43650, TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001 |
| Sales Drawing                                  | SD-43650-006                                                      |

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