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Part Number:

0436500403

Status:

Active

Overview:

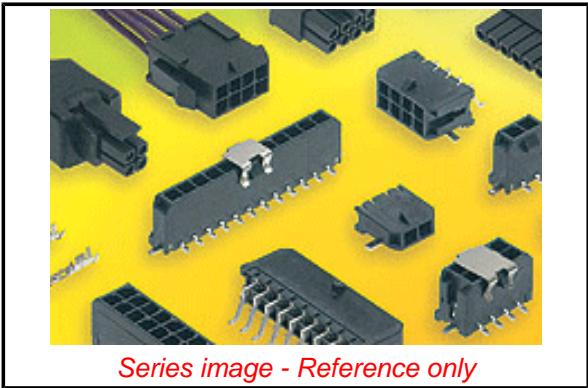
Micro-Fit 3.0™ Connectors

Description:

Micro-Fit 3.0™ Right Angle Header, 3.00mm Pitch, Single Row, 4 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow Wire Compliant, Black

|  |  |
|--|--|
| Documents:   |  |
| <a href="#">3D Model</a>                             | <a href="#">Test Summary TS-43045-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-43650 (PDF)</a> | <a href="#">Product Literature (PDF)</a>             |

|                                |   |
|--------------------------------|---|
| 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                       | <a href="#">Micro-Fit 3.0™ Connectors</a>   |
| Product Literature Order No    | 987650-5984   |
| Product Name                   | Micro-Fit 3.0™  |
| UPC                            | 800754950930  |
| Physical                       |   |
| Breakaway                      | No  |
| Circuits (Loaded)              | 4   |
| Circuits (maximum)             | 4   |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30  |
| Flammability                   | 94V-0   |
| Glow-Wire Compliant            | Yes   |
| Mated Height                   | 6.98mm  |
| Material - Metal               | Brass   |
| Material - Plating Mating      | Tin   |
| Material - Plating Termination | Tin   |
| Material - Resin               | High Temperature Thermoplastic  |
| Net Weight                     | 0.918/g   |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

Compliant

REACH SVHC

Not Contained Per -ED/79/2015 (17 December 2015)

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 ELV

Green Image Not Relevant

Search Parts in this Series

43650 Series

Mates With

43645 Micro-Fit 3.0™ Receptacle Housing

|  |                 |
|--|-----------------|
| Number of Rows                                 | 1               |
| Orientation                                    | Right Angle     |
| PCB Locator                                    | Yes             |
| PCB Retention                                  | Yes             |
| 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°C to +105°C |
| Termination Interface: Style                   | Through Hole    |
| <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>             |                 |
| Product Specification                          | PS-43650        |
| Sales Drawing                                  | SD-43650-002    |
| Test Summary                                   | TS-43045-001    |

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