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Part Number:

43650-0813

Status:

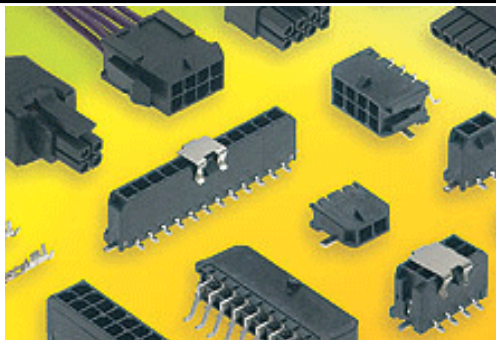
Active

Overview:

Micro-Fit 3.0™ Connectors

Description:

Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with Solder Tab, 8 Circuits, 0.38µm Gold (Au) Selective Plating, Glow Wire Compatible



Series

image - Reference only

Documents:

- 3D Model

Drawing (PDF)

Product Specification PS-43650 (PDF)
- Test Summary TS-43045-002 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

Agency Certification

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| 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 3.0™ Connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product Literature Order No | 987650-5984                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Product Name                | Micro-Fit 3.0™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UPC                         | 800754776301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Physical

|                                |        |
|--------------------------------|--------|
| Breakaway                      | No     |
| Circuits (Loaded)              | 8      |
| Circuits (maximum)             | 8      |
| 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      | Gold   |
| Material - Plating Termination | Tin    |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series  
43650Series

Mates With  
43645 Micro-Fit 3.0™ Receptacle Housing

|                               |                                |
|-------------------------------|--------------------------------|
| Material - Resin              | High Temperature Thermoplastic |
| Net Weight                    | 1.371/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°C to +105°C                |
| Termination Interface: Style  | Surface Mount                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5A   |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 30                        |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 3                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-43650     |
| Sales Drawing         | SD-43650-005 |
| Test Summary          | TS-43045-002 |

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