# molex®
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**Part Number:** **0430452227**

**Status:** **Active**

**Overview:**

**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 22 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black

## Agency Certification
| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General
| | |
|---|---|
| Product Family | PCB Headers |
| Series | 43045 |
| Application | Power, Wire-to-Board |
| Comments | """"""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 | microfit_30 |
| Product Name | Micro-Fit 3.0 |
| UPC | 800753842809 |

## Physical
| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 22 |
| Circuits (maximum) | 22 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Capable | Yes |
| Lock to Mating Part | Yes |
| Mated Height | 17.64mm |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.917/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.18mm |
| PCB Locator | Yes |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |

**EU ELV**
**Not Relevant**

**EU RoHS**          **China RoHS**
**Compliant**
**REACH SVHC**
Not Contained Per -
D(2020)4578-DC (25
June 2020)
**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**
43045 Series

**Mates With**
Micro-Fit 3.0 Receptacle Housing 43025
<br>Micro-Fit 3.0 TPA Receptacle Housing 172952

| | |
|---|---|
| Packaging Type | Tray |
| Pitch - Mating Interface | 3.00mm |
| Plating min - Mating | 0.254µm |
| 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 |

**Electrical**

| | |
|---|---|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum | 600V |

**Solder Process Data**

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 030 |
| Lead-freeProcess Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 003 |
| Process Temperature max. C | 260 |

**Material Info**

**Reference - Drawing Numbers**

| | |
|---|---|
| Packaging Specification | PK-70873-0314-001 |
| Product Specification | PS-43045-001 |
| Sales Drawing | SD-43045-010 |
| Symbol/Footprint Data | SYM-43045-2227 |
| Test Summary | 430450004-TS-000, TS-43045-001-001, TS-46235-001-001 |