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**Part Number:** [0430452224](#)

**Status:** **Active**

**Overview:** [Micro-Fit 3.0 Connector System Product Family](#)

**Description:** Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Dual Row, 22 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow Wire Capable, Black

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-43045 \(PDF\)](#)

[Product Specification TS-43045-001-001 \(PDF\)](#)

[Product Specification TS-46235-001-001 \(PDF\)](#)

[Packaging Specification PK-70873-0314 \(PDF\)](#)

[Test Summary 430450004-TS-000 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)

**Agency Certification**

CSA LR19980

UL E29179

**General**

Product Family PCB Headers

Series [43045](#)

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 Connector System Product Family](#)

Product Literature Order No 987650-5984

Product Name Micro-Fit 3.0™

UPC 800753842779

**Physical**

Breakaway No

Circuits (Loaded) 22

Circuits (maximum) 22

Color - Resin Black

Durability (mating cycles max) 30

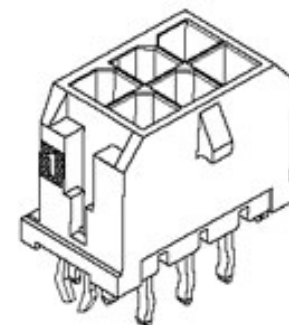
Flammability 94V-0

Glow-Wire Compliant Yes

Mated Height 17.64mm

Material - Metal Brass

Material - Plating Mating Tin



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/30/2017 (7 July 2017)

**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

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[43045 Series](#)

**Mates With**

Micro-Fit 3.0™ Receptacle Housing [43025](#)

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.021/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.254µm
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

#### Electrical

Current - Maximum per Contact	5.0A
Voltage - Maximum	600V

#### Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-free Process 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
Product Specification	PS-43045, TS-43045-001-001, TS-46235-001-001
Sales Drawing	SD-43045-009
Symbol/Footprint Data	SYM-43045-2224_6
Test Summary	430450004-TS-000

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