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**Part Number:** 0430451021

Status: **Active** 

Micro-Fit 3.0 Connector System Product Family Overview:

**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 10 Circuits, with PCB

Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black

## **Documents:**

Drawing (PDF) Product Specification TS-46235-001-001 (PDF) 3D Model Packaging Specification PK-70873-0313-001 (PDF)

Product Specification PS-43045 (PDF) Test Summary 430450004-TS-000 (PDF) Product Specification PS-43045-001 (PDF) RoHS Certificate of Compliance (PDF)

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

## **Agency Certification**

**CSA** UL

#### General

**Product Family** Series Application Comments

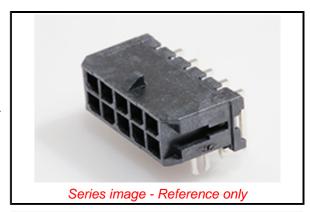
LR19980 E29179

**PCB Headers** 

43045

Power, Wire-to-Board """""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 enduse 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."""""", """""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 enduse standard(s). <P> If it is determined during the



# **EU ELV**

**Not Relevant** 

**EU RoHS** Compliant

**REACH SVHC** 

Not Contained Per -ED/88/2018 (15 January 2019)

**Halogen-Free** 

**Status** 

Low-Halogen

For more information, please visit Contact US

**China RoHS** 

China ROHS Green Image **ELV** Not Relevant Not Contained RoHS Phthalates

# Search Parts in this Series

43045 Series

### **Mates With**

Micro-Fit 3.0 Receptacle Housing 43025 <br>Micro-Fit 3.0 Cable Assembly 245132 <br/>br>Micro-Fit 3.0 TPA Receptacle Housing 172952

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 800753826298

**Physical** 

Breakaway No Circuits (Loaded) 10 Circuits (maximum) 10 Color - Resin Black Durability (mating cycles max) 30 Flammability 94V-0 Glow-Wire Capable Yes Mated Height 10.06mm Material - Metal **Brass** Material - Plating Mating Tin Material - Plating Termination Tin

Material - Resin High Temperature Thermoplastic

Net Weight 1.759/g Number of Rows 2

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 0.254µm Polarized to PCB Yes Shrouded Fully Stackable No

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** 

Surface Mount Compatible (SMC)

Packaging Specification PK-70873-0313-001

Product Specification PS-43045, PS-43045-001, TS-43045-001-001,

Yes

TS-46235-001-001

Sales Drawing SD-43045-008-000

Symbol/Footprint Data SYM-43045-1021, SYM-43045-1021\_3

Test Summary 430450004-TS-000

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