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Part Number: 0430451620

Status: **Active**

Micro-Fit 3.0 Connector System Product Family Overview:

Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 16 Circuits, with Solder Tab,

Gold, Glow-Wire Capable, Black

Documents:

3D Model Drawing (PDF)

Product Specification PS-43045 (PDF) Product Specification PS-43045-001 (PDF)

Product Specification TS-43045-001-001 (PDF) Product Specification TS-43045-002-001 (PDF) Product Specification TS-46235-001-001 (PDF) Packaging Specification 430450002-PK-000 (PDF) Packaging Specification PK-70873-05XX-002 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

Agency Certification

CSA UL

General

Product Family

Series Application Comments LR19980 E29179

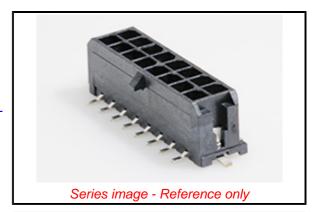
PCB Headers

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 Temperaturel 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-



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 **RoHS Phthalates** Not Contained

Search Parts in this Series

43045 Series

Mates With

Micro-Fit 3.0 Receptacle Housing 43025
-kir>Micro-Fit 3.0 TPA Receptacle Housing 172952

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possible product options.""""""

Overview <u>Micro-Fit 3.0 Connector System Product Family</u>

Product Literature Order No 987650-5984
Product Name Micro-Fit 3.0
UPC 800753837027

Physical

Breakaway No Circuits (Loaded) 16 Circuits (maximum) 16 Color - Resin Black Durability (mating cycles max) 30 Flammability 94V-0 Glow-Wire Capable Yes Mated Height 17.64mm Material - Metal **Brass** Material - Plating Mating Gold Material - Plating Termination

Material - Resin High Temperature Thermoplastic

Net Weight 2.417/g
Number of Rows 2
Orientation Vertical
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 0.762µm
Polarized to PCB Yes
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) N/A

Temperature Range - Operating -40° to +105°C
Termination Interface: Style Surface Mount

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-freeProcess Capability

Max. Cycles at Max. Process Temperature

003

Process Temperature max. C

260

Material Info

Reference - Drawing Numbers

 Packaging Specification
 430450002-PK-000, PK-70873-05XX-002

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

TS-43045-002-001, TS-46235-001-001

Sales Drawing SD-43045-007-001 Symbol/Footprint Data SYM-43045-1618

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