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Part Number:

0430452019

Status:

Active

Overview:

Micro-Fit 3.0 Connector System Product Family

Description:

Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 20 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black

Documents:

- Drawing (PDF)

3D Model

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

LR19980

E29179

General

Product Family

Series

Application

Comments

PCB Headers

43045

Power, Wire-to-Board

High Temperature|Square Pin|Solder

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. 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-



Series image - Reference only

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

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](#)

Micro-Fit 3.0 TPA Receptacle Housing
[172952](#)

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. """"""""
Micro-Fit 3.0 Connector System Product Family
987650-5984
Micro-Fit 3.0
800753841642

Overview
Product Literature Order No
Product Name
UPC

Physical
Breakaway No
Circuits (Loaded) 20
Circuits (maximum) 20
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 Tin
Material - Resin High Temperature Thermoplastic
Net Weight 2.890/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 0.381µm
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) 030
Lead-freeProcess Capability REFLOW
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-43045-2018