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Part Number: [0430451220](#)

Status: **Active**

Overview: Micro-Fit 3.0™ Connectors

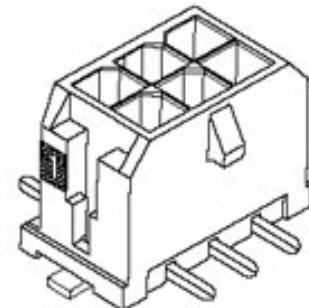
Description: Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Dual Row, 12 Circuits, with Solder Tab, Gold, Glow Wire Capable, Black

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)

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

[Product Specification TS-43045-002-001 \(PDF\)](#)
[Product Specification TS-46235-001-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)
[Product Literature \(PDF\)](#)



Series image - Reference only

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 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."

[Micro-Fit 3.0™ Connectors](#)

987650-5984
Micro-Fit 3.0™
800754373333

Overview
Product Literature Order No
Product Name
UPC

Physical

Breakaway
Circuits (Loaded)
Circuits (maximum)
Color - Resin
Durability (mating cycles max)
Flammability
Glow-Wire Compliant
Mated Height
Material - Metal
Material - Plating Mating
Material - Plating Termination
Material - Resin

No
12
12
Black
30
94V-0
Yes
17.64mm
Brass
Gold
Tin
High Temperature Thermoplastic

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

China RoHS

Email 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](#)

Net Weight	1.922/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°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	5.0A
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

Product Specification	PS-43045, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-43045-007

This document was generated on 04/13/2017

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