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Part Number: **0430451016**
Status: **Active**
Overview: Micro-Fit 3.0 Connector System Product Family
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 10 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black

Documents:

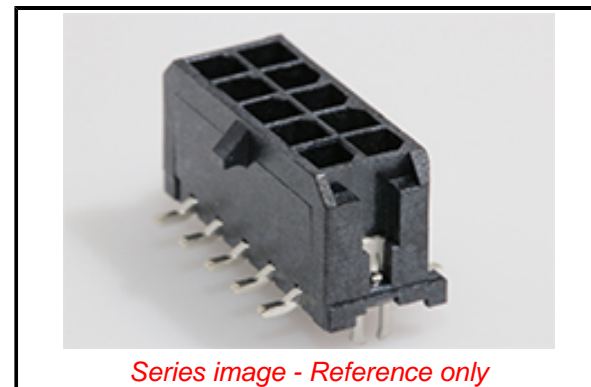
3D Model	Product Specification TS-46235-001-001 (PDF)
Drawing (PDF)	Packaging Specification 430450002-PK-000 (PDF)
Product Specification PS-43045 (PDF)	Packaging Specification PK-70873-05XX-002 (PDF)
Product Specification PS-43045-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification TS-43045-001-001 (PDF)	Product Literature (PDF)
Product Specification TS-43045-002-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43045
Application	Power, Wire-to-Board
Comments	<p>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. 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). 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. 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-</p>



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

ELV

RoHS Phthalates

China RoHS

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. """"""""

Overview
Product Literature Order No 987650-5984
Product Name Micro-Fit 3.0
UPC 800753825659

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 17.64mm
Material - Metal Brass
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 1.690/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-free Process 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-43045-006-001
Symbol/Footprint Data SYM-43045-1015

This document was generated on 04/17/2019

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