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Part Number: [0436500227](#)
Status: **Active**
Overview: [Micro-Fit 3.0 Connector System Product Family](#)
Description: [Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 2 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black](#)

Documents:

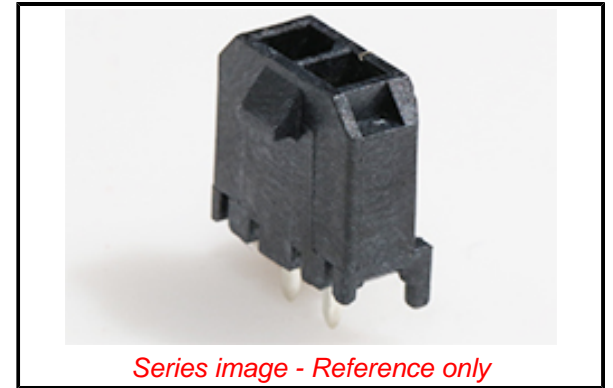
Drawing (PDF)	Product Specification TS-46235-001-001 (PDF)
3D Model	Packaging Specification PK-70873-0811-001 (PDF)
Product Specification PS-43650 (PDF)	Test Summary 430450004-TS-000 (PDF)
Product Specification TS-43045-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification TS-43045-002-001 (PDF)	Product Literature (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43650
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-use standard(s). If it is determined during the</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

[43650 Series](#)

Mates With

[Micro-Fit 3.0 Receptacle Housing 43645](#)

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

[171850](#)

customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. """"""""
Overview
Product Literature Order No
Product Name
UPC

Micro-Fit 3.0 Connector System Product Family
987650-5984
Micro-Fit 3.0
800754942010

Physical

Breakaway No
Circuits (Loaded) 2
Circuits (maximum) 2
Color - Resin Black
Durability (mating cycles max) 30
Flammability 94V-0
Glow-Wire Capable Yes
Lock to Mating Part Yes
Mated Height 17.27mm
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Net Weight 0.461/g
Number of Rows 1
Orientation Vertical
PC Tail Length 3.18mm
PCB Locator Yes
PCB Retention None
PCB Thickness - Recommended 1.60mm
Packaging Type Tray
Pitch - Mating Interface 3.00mm
Plating min - Mating 2.540µm
Plating min - Termination 2.540µm
Polarized to PCB Yes
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) Yes
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

Packaging Specification PK-70873-0811-001
Product Specification PS-43650, TS-43045-001-001, TS-43045-002-001,
TS-46235-001-001
Sales Drawing SD-43650-010
Symbol/Footprint Data SYM-43650-0227
Test Summary 430450004-TS-000

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