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Part Number: [0430451807](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 18 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black

Documents:

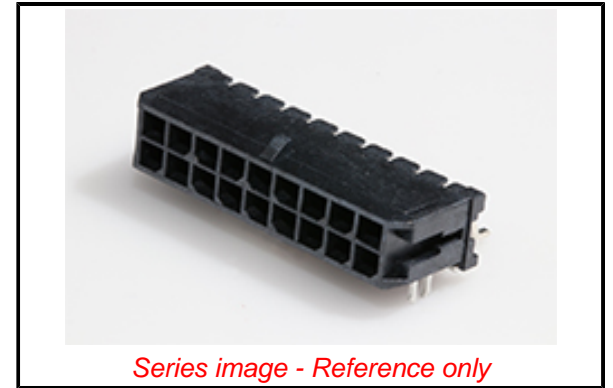
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|--|--|
| Drawing (PDF) | Test Summary TS-43045-002-001 (PDF) |
| 3D Model | Test Summary TS-46235-001-001 (PDF) |
| Product Specification PS-43045 (PDF) | RoHS Certificate of Compliance (PDF) |
| Packaging Specification 430450001-PK-000 (PDF) | Product Literature (PDF) |
| Test Summary TS-43045-001-001 (PDF) | |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|---------------------|---|
| Product Family | PCB Headers |
| Series | 43045 |
| 3D Viewer | Yes |
| Application | Power, Wire-to-Board |
| CURRENT-MAX-NUMERIC | 8.5 |
| 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. <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</p> |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 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](#)

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 Connector System
 3.00
 987650-5984
 Micro-Fit 3.0
 800753839021

Physical

Breakaway No
 Circuits (Loaded) 18
 Circuits (maximum) 18
 Color - Resin Black
 Durability (mating cycles max) 30
 Flammability 94V-0
 Glow-Wire Capable Yes
 Mated Height 10.29mm
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Net Weight 2.613/g
 Number of Rows 2
 Orientation Right Angle
 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 430450001-PK-000
 Product Specification PS-43045
 Sales Drawing SD-43045-003-000
 Symbol/Footprint Data SYM-43045-1806
 Test Summary TS-43045-001-001, TS-43045-002-001,
 TS-46235-001-001

Mouser Electronics

Authorized Distributor

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