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Part Number:

0430452026

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 20 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black

Documents:

3D Model

Drawing (PDF)

Product Specification PS-43045 (PDF)

Packaging Specification PK-70873-0314-001 (PDF)

Test Summary TS-43045-001-001 (PDF)

Test Summary TS-43045-002-001 (PDF)

Test Summary TS-46235-001-001 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (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	High Temperature Square Pin Offset Through Hole Mounting 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 Offset Through Hole Mounting 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



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

Green Image

ELV

Not Relevant

RoHS Phthalates

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](#)

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 Connector System

3.00
987650-5984
Micro-Fit 3.0
800753841765

Overview
PITCH-MATING-NUMERIC
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 2.781/g
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 1.60mm
Packaging Type Tray
Pitch - Mating Interface 3.00mm
Plating min - Mating 0.762µm
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 - Kinked Pin

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-70873-0314-001
Product Specification PS-43045
Sales Drawing SD-43045-009
Symbol/Footprint Data SYM-43045-2024, SYM-43045-2024_6
Test Summary TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

Mouser Electronics

Authorized Distributor

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