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Part Number: 0430451612

Status: Active

Overview: Micro-Fit 3.0™ Connectors

**Description:** Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Dual Row, 16 Circuits, with PCB

Polarizing Peg, Tin, Glow Wire Capable, Black

**Documents:** 

3D ModelPackaging Specification PK-70873-0314 (PDF)Drawing (PDF)Test Summary 430450004-TS-000 (PDF)Product Specification PS-43045 (PDF)RoHS Certificate of Compliance (PDF)

Product Specification TS-43045-001-001 (PDF) Product Literature (PDF)

Product Specification TS-46235-001-001 (PDF)

**Agency Certification** 

CSA LR19980 UL E29179

General

Product Family PCB Headers

Series <u>43045</u>

Application Power, Wire-to-Board Comments "High Temperature|So

"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 enduse 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 Micro-Fit 3.0™ Connectors

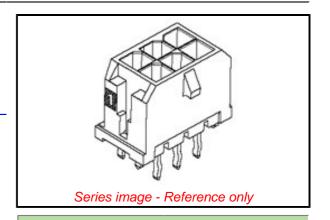
 Product Literature Order No
 987650-5984

 Product Name
 Micro-Fit 3.0™

 UPC
 800753576780

**Physical** 

Breakaway No Circuits (Loaded) 16 Circuits (maximum) 16 Color - Resin Black Durability (mating cycles max) 30 Flammability 94V-0 Glow-Wire Compliant Yes Mated Height 17.64mm Material - Metal **Brass** Material - Plating Mating Tin



## **EU ELV**

**Not Relevant** 

EU RoHS China RoHS

Compliant

REACH SVHC
Not Contained Per -

ED/21/2016 (20 June 2016)

Halogen-Free Status

Low-Halogen

Need more information on product environmental compliance?

Email <u>productcompliance@molex.com</u>
Please visit the <u>Contact Us</u> section for any non-product compliance questions.

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

Material - Plating Termination Tin

Material - Resin High Temperature Thermoplastic

Net Weight 2.196/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 0.254µm Polarized to PCB Yes Shrouded Fully Stackable No

Temperature Range - Operating -40°C to +105°C

Termination Interface: Style Through Hole - Kinked Pin

**Electrical** 

Current - Maximum per Contact 5.0A 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** 

Surface Mount Compatible (SMC)

Packaging Specification PK-70873-0314

Product Specification PS-43045, TS-43045-001-001, TS-46235-001-001

Yes

Sales Drawing SD-43045-005
Test Summary 430450004-TS-000

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