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Part Number: 43650-0225

Status: Active

Overview: Micro-Fit 3.0™ Connectors

**Description:** Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Vertical, with Solder

Tab, 2 Circuits, 0.38µm Gold (Au) Selective Plating, Glow Wire Compatible

**Documents:** 

3D Model Test Summary TS-43045-002 (PDF)
Drawing (PDF) RoHS Certificate of Compliance (PDF)

Product Specification PS-43650 (PDF) Product Literature (PDF)

## **Agency Certification**

CSA LR19980 TUV R72081037 UL E29179

#### General

Product Family PCB Headers Series 43650

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

"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."

Overview <u>Micro-Fit 3.0™ Connectors</u>

 Product Literature Order No
 987650-5984

 Product Name
 Micro-Fit 3.0™

 UPC
 800754780773

## **Physical**

Breakaway No Circuits (Loaded) 2 Circuits (maximum) 2 Color - Resin Black Durability (mating cycles max) 30 Flammability 94V-0 **Glow-Wire Compliant** Yes Mated Height 17.27mm Material - Metal **Brass** Material - Plating Mating Gold, Tin Material - Plating Termination Tin

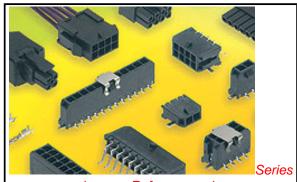


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Low-Halogen



# Need more information on product environmental compliance?

Email <u>productcompliance@molex.com</u>
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the <u>Contact Us</u> section for any non-product compliance questions.

#### Search Parts in this Series

43650 Series

#### **Mates With**

43645 Micro-Fit 3.0™ Receptacle Housing

Material - Resin High Temperature Thermoplastic

Net Weight0.657/gNumber of Rows1OrientationVerticalPCB LocatorYesPCB RetentionYesPCB Thickness - Recommended1.60mm

Packaging Type Embossed Tape on Reel

Pitch - Mating Interface 3.00mm
Plating min - Mating 0.381µm
Plating min - Termination 2.540µm
Polarized to PCB Yes
Shrouded Fully
Stackable No

Temperature Range - Operating -40°C to +105°C Termination Interface: Style Surface Mount

**Electrical** 

Current - Maximum per Contact 5.0A Voltage - Maximum 600V

**Solder Process Data** 

Duration at Max. Process Temperature (seconds) 30

Lead-free Process Capability Reflow Capable (SMT only)

Max. Cycles at Max. Process Temperature 3
Process Temperature max. C 260

**Material Info** 

**Reference - Drawing Numbers** 

Product Specification PS-43650
Sales Drawing SD-43650-009
Test Summary TS-43045-002

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