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**Part Number:**

**43650-1002**

**Status:**

**Active**

**Overview:**

**Micro-Fit 3.0™ Connectors**

**Description:**

Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 10 Circuits, 0.76µm Gold (Au) Selective Plating, Glow Wire Compatible

**Documents:**

[3D Model](#)

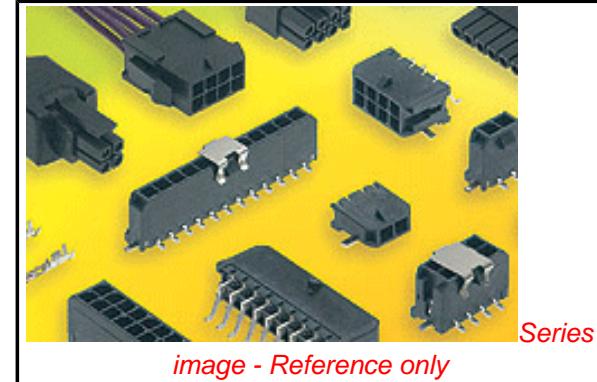
[Drawing \(PDF\)](#)

[Product Specification PS-43650 \(PDF\)](#)

[Test Summary TS-43045-002 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)



**Agency Certification**

CSA

TUV

UL

**General**

Product Family

Series

Application

Comments

LR19980

R72081037

E29179

PCB Headers

[43650](#)

Power, Wire-to-Board

"High Temperature|Square Pin<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."

[Micro-Fit 3.0™ Connectors](#)

987650-5984

Micro-Fit 3.0™

800754711791

Overview

Product Literature Order No

Product Name

UPC

**Physical**

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Mated Height

Material - Metal

Material - Plating Mating

No

10

10

Black

30

94V-0

Yes

6.98mm

Brass

Gold

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[43650Series](#)

**Mates With**

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

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.778/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

### Electrical

Current - Maximum per Contact	5A
Voltage - Maximum	600V

### Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH 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-43650-001
Test Summary	TS-43045-002

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