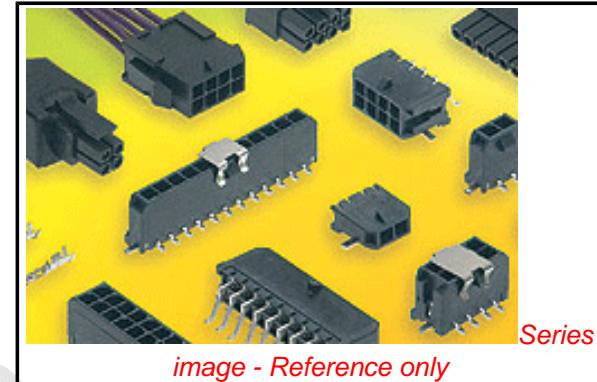


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**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION****Part Number:****43650-0510****Status:****Active****Overview:****Micro-Fit 3.0™ Connectors****Description:**

3.00mm Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with PCB Press-fit Metal Retention Clip, 5 Circuits, 0.38µm 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 \(PDF\)](#)*image - Reference only***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|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."

[Micro-Fit 3.0™ Connectors](#)

987650-5984

Micro-Fit 3.0™

800753789630

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

5

5

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  
Material - Resin  
Net Weight  
Number of Rows  
Orientation  
PCB Locator  
PCB Retention  
PCB Thickness - Recommended  
Packaging Type  
Pitch - Mating Interface  
Plating min - Mating  
Plating min - Termination  
Polarized to PCB  
Shrouded  
Stackable  
Temperature Range - Operating  
Termination Interface: Style

Tin  
High Temperature Thermoplastic  
**onlinecomponents.com**  
THE ONLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS  
1  
Right Angle  
Yes  
Yes  
1.60mm  
Embossed Tape on Reel  
3.00mm  
0.381µm  
2.540µm  
Yes  
Fully  
No  
-40°C to +105°C  
Surface Mount

### Electrical

Current - Maximum per Contact  
Voltage - Maximum

5A  
250V

### Solder Process Data

Duration at Max. Process Temperature (seconds)  
Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

30  
Reflow Capable (SMT only)  
3  
260

### Material Info

#### Reference - Drawing Numbers

Product Specification  
Sales Drawing  
Test Summary

PS-43650  
SD-43650-004  
TS-43045-002

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