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**Part Number:** [43045-2226](#)

**Status:** Active

**Overview:** Micro-Fit 3.0™ Connectors

**Description:** Micro-Fit 3.0™ Header, Surface Mount Compatible, Dual Row, Vertical, with Press-fit Metal Retention Clip, 22 Circuits, 0.76µm Gold (Au) Selective Plating, Glow Wire Compatible

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

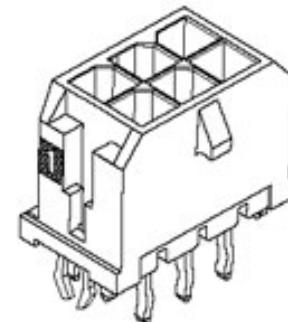
[Product Specification PS-43045 \(PDF\)](#)

[Test Summary TS-43045-001 \(PDF\)](#)

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

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

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



Series

image - Reference only

**Agency Certification**

CSA

TUV

UL

LR19980

R72081037

E29179

**General**

Product Family

Series

Application

Comments

PCB Headers

[43045](#)

Power, Wire-to-Board

"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."

[Micro-Fit 3.0™ Connectors](#)

987650-5984

Micro-Fit 3.0™

800753842793

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

No

22

22

Black

30

94V-0

Yes

17.27mm

**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**

[43045Series](#)

**Mates With**

[43025 Micro-Fit 3.0™ Receptacle Housing](#)

Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.999/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°C to +105°C
Termination Interface: Style	Through Hole - Kinked Pin

### **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-43045, RPS-43045-003, RPS-43045-004
Sales Drawing	SD-43045-009
Test Summary	TS-43045-001, TS-43045-002

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