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**Part Number:**

**0436500210**

**Status:**

**Active**

**Overview:**

Micro-Fit 3.0™ Connectors

**Description:**

Micro-Fit 3.0™ Right Angle Header, 3.00mm Pitch, Single Row, 2 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow Wire Capable, Black

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

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

[Product Specification TS-43045-001-001 \(PDF\)](#)

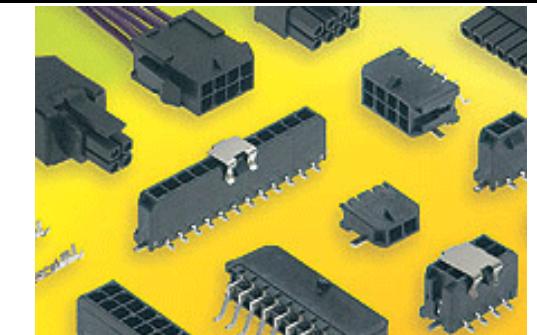
[Product Specification TS-43045-002-001 \(PDF\)](#)

[Product Specification TS-46235-001-001 \(PDF\)](#)

[Packaging Specification 708730000-PK-000 \(PDF\)](#)

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

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



*Series image - Reference only*

**Agency Certification**

CSA

UL

LR19980

E29179

**General**

Product Family

Series

Application

Comments

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™

800753853201

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

Material - Plating Termination

No

2

2

Black

30

94V-0

Yes

6.98mm

Brass

Gold

Tin

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

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

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

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[43650 Series](#)

**Mates With**

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

Material - Resin	High Temperature Thermoplastic
Net Weight	0.553/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
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)	030
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

#### **Material Info**

##### **Reference - Drawing Numbers**

Packaging Specification	708730000-PK-000
Product Specification	PS-43650, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-43650-004

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