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**Part Number:** [0449141001](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0 Connector System Product Family  
**Description:** Micro-Fit CPI Header, Capable Pin Interface, Dual Row, Vertical, 10 Circuits, Tin (Sn) Plating, Glow-Wire Capable

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-43045-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification TS-46235-001-001 (PDF)</a>
<a href="#">Product Specification PS-43045 (PDF)</a>	<a href="#">Packaging Specification PK-70873-0314-001 (PDF)</a>
<a href="#">Product Specification PS-43045-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification TS-43045-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**Agency Certification**

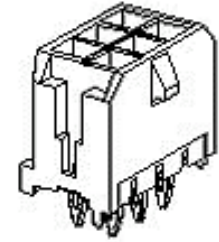
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	44914
Application	Power, Wire-to-Board
Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0455
Comments	""""""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. """""" <a href="#">Micro-Fit 3.0 Connector System Product Family</a> 987650-5984 Micro-Fit CPI 756054637685
Overview	
Product Literature Order No	
Product Name	
UPC	

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/61/2018 (27 June 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[44914 Series](#)

**Mates With**

[43025-1000](#) Micro-Fit 3.0 Receptacle Housing

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.448/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

**Solder Process Data**

Lead-free Process Capability	N/A
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**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-70873-0314-001
Product Specification	PS-43045, PS-43045-001, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-44914-002
Symbol/Footprint Data	SYM-44914-1001

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