

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0449141801**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit CPI Header, Compliant Pin Interface, Dual Row, Vertical, 18 Circuits, Tin (Sn) Plating, Glow-Wire Capable

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-43045-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-43045-002-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary TS-46235-001-001 (PDF)</a>
<a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-44914-1801-001 (PDF)</a>
<a href="#">Product Specification PS-43045-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-70873-0314-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**Application tooling part link**

Application Tooling Part Link	62203-0455
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**General**

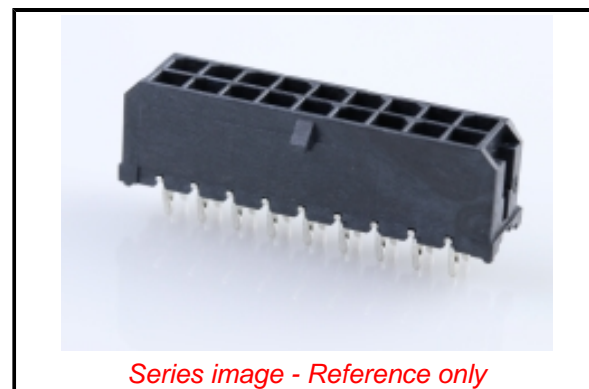
Product Family	PCB Headers
Series	<a href="#">44914</a>
Application	Power, Wire-to-Board
Comments	High Temperature, Square Pin; This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg 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. 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). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.

**Component Type**

Overview	PCB Header
Product Name	<a href="#">Micro-Fit Connector System</a>
Taxonomy	Micro-Fit CPI
UPC	PCB Headers and Receptacles 756054636817

**Physical**

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained per -  
D(2022)9120-DC (17  
Jan 2023)

**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**

[430251800](#) Micro-Fit 3.0 Receptacle Housing

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

Removal Tool

**Product #**

[622030455](#)

Glow-Wire Capable	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.425/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	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001
Sales Drawing	SD-44914-002-001
Symbol/Footprint Data	SYM-44914-1801-001
Test Summary	TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

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