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Part Number: [0449141601](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit CPI Header, Compliant Pin Interface, Dual Row, Vertical, 16 Circuits, Tin (Sn) Plating, Glow-Wire Capable

Documents:

3D Model (PDF)	Test Summary TS-43045-001-001 (PDF)
Drawing (PDF)	Test Summary TS-43045-002-001 (PDF)
3D Model	Test Summary TS-46235-001-001 (PDF)
Product Specification 430450001-PS-KO-000 (PDF)	Symbol Footprint Data SYM-44914-1601 (PDF)
Product Specification 430450001-PS-SP-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-43045-001 (PDF)	Product Literature (PDF)
Packaging Specification PK-70873-0314-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0455

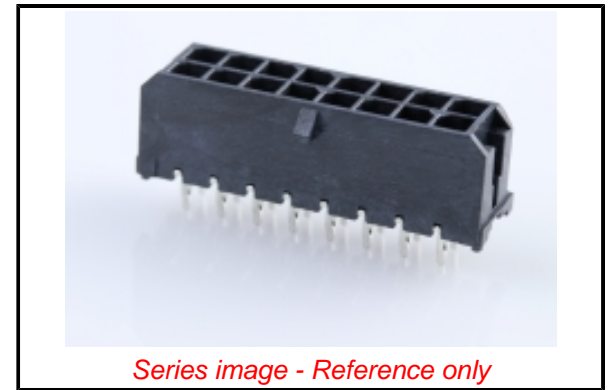
General

Product Family	PCB Headers
Series	44914
Application	Power, Wire-to-Board
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. """"""

Overview	Micro-Fit Connector System
Product Name	Micro-Fit CPI
UPC	756054636800

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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(2020)9139-DC (19
Jan 2021)

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

[430251600](#) 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

Product #

Compliant Pin	622008400
Insertion Flat Rock Tool	
Removal Tool	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	2.180/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-44914-1601
Test Summary	TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

This document was generated on 06/09/2021

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