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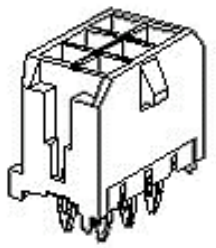
Part Number: 0449147403

Status: Active

Overview: Micro-Fit Connector System

Description: Micro-Fit CPI Header, Dual Row, Vertical, Compliant Pin Interface, 24 Circuits, LCP, Glass-Filled, UL 94V-0, 0.76µm Gold (Au) Selective Contact Plating, Tin (Sn) Plated Tails, Glow-Wire Capable



Series image - Reference only

Documents:

- 3D Model
- 3D Model (PDF)
- Drawing (PDF)
- Product Specification 430450001-PS-KO-000 (PDF)
- Product Specification 430450001-PS-SP-000 (PDF)
- Product Specification PS-43045-001 (PDF)
- Packaging Specification PK-70873-0314-001 (PDF)
- Test Summary TS-43045-001-001 (PDF)
- Test Summary TS-43045-002-001 (PDF)
- Test Summary TS-46235-001-001 (PDF)
- Datasheet (PDF)
- Symbol Footprint Data SYM-44914-2401-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
Application tooling part link	
Application Tooling Part Link	62203-0455
General	
Product Family	PCB Headers
Series	44914
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	PCB Header
Overview	Micro-Fit Connector System
Product Name	Micro-Fit CPI
Taxonomy	PCB Headers and Receptacles
UPC	822350046190
Physical	
Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per - D(2022)4187-DC (10 June 2022)

Halogen-Free Status
Low-Halogen

For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
44914 Series

Mates With
430252400 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 #
Removal Tool	622030455

Flammability	94V-0
Glow-Wire Capable	Yes
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.102/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +125°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

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

Solder Process Data

Lead-freeProcess Capability	N/A

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-44914-2401-001
Test Summary	TS-43045-001-001, TS-43045-002-001, TS-46235-001-001