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Part Number: **0449147002**
Status: **Active**
Overview: Micro-Fit Connector System
Description: Micro-Fit CPI Header, Dual Row, Vertical, Capable Pin Interface, 20 Circuits, LCP, Glass-Filled, UL 94V-0, 0.38µm Gold (Au) Selective Contact Plating, Tin (Sn) Plated Tails, Glow-Wire Capable

Documents:

3D Model	Test Summary TS-43045-001-001 (PDF)
Drawing (PDF)	Test Summary TS-43045-002-001 (PDF)
3D Model (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification PS-43045-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-70873-0314-001 (PDF)	Product Literature (PDF)

Agency Certification

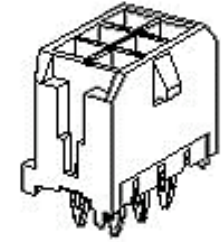
CSA	LR19980
UL	E29179

Application tooling part link

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

General

Product Family	PCB Headers
Series	<u>44914</u>
Application	Power, Wire-to-Board
Comments	<p>""""""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."""""", """"""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</p>



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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

[430252000 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 Insertion Flat Rock Tool	622008400
Removal Tool	622030455

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
Product Name Micro-Fit CPI
UPC 822350766432

Physical

Breakaway No
Circuits (Loaded) 20
Circuits (maximum) 20
Color - Resin Black
Durability (mating cycles max) 30
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 2.677/g
Number of Rows 2
Orientation Vertical
PCB Locator Yes
PCB Retention Yes
Packaging Type Tray
Pitch - Mating Interface 3.00mm
Plating min - Mating 0.381µm
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 +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

Material Info

Reference - Drawing Numbers

Packaging Specification PK-70873-0314-001
Product Specification PS-43045-001
Sales Drawing SD-44914-002-001
Symbol/Footprint Data SYM-44914-2001
Test Summary TS-43045-001-001, TS-43045-002-001,
TS-46235-001-001

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