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Part Number: [0449145403](#)
Status: **Active**
Overview: Micro-Fit Connector System
Description: Micro-Fit CPI Header, Dual Row, Vertical, Compliant Pin Interface, 4 Circuits, LCP, Glass-Filled, UL 94V-0, 0.76µm Gold (Au) Selective Contact Plating, Tin (Sn) Plated Tails, Glow-Wire Capable

Documents:

3D Model	RoHS Certificate of Compliance (PDF)
3D Model (PDF)	Product Literature (PDF)
Drawing (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

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

General

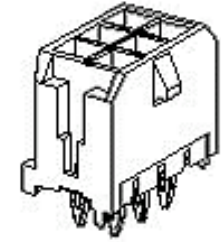
Product Family	PCB Headers
Series	44914
Application	Power, Wire-to-Board
Comments	<p>High Temperature Square Pin<P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 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.""</p>

Overview

Product Name	<u>Micro-Fit Connector System</u>
UPC	Micro-Fit CPI 822350045308

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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)



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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

[430250400](#) 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

Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.729/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 +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

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