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Part Number: [0449145602](#)
Status: **Active**
Overview: Micro-Fit 3.0™ Connectors
Description: Micro-Fit CPI™ Header, Dual Row, Vertical, Compliant Pin Interface, 6 Circuits, LCP, Glass-Filled, UL 94V-0, 0.38µm Gold (Au) Selective Contact Plating, Tin (Sn) Plated Tails, Glow Wire Compatible

Documents:

| | |
|--|--|
| 3D Model | Test Summary TS-43045-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-43045 (PDF) | Product Literature (PDF) |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

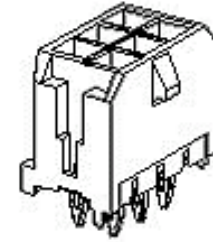
General

| | |
|-------------------------------|---|
| Product Family | PCB Headers |
| Series | 44914 |
| Application | Power, Wire-to-Board |
| Application Tooling Part Link | 62200-8400 |
| Application Tooling Part Link | 62203-0455 |
| 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 3.0™ Connectors |
| Product Literature Order No | 987650-5984 |
| Product Name | Micro-Fit CPI™ |
| UPC | 822350045292 |

Physical

| | |
|--------------------------------|------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | High Performance Alloy (HPA) |
| Material - Plating Mating | Gold |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS
ELV

Green Image
Not Relevant

Search Parts in this Series

[44914 Series](#)

Mates With

[43025-0600 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 | 0622008400 |
| Insertion Flat Rock Tool | |
| Removal Tool | 0622030455 |

| | |
|------------------------------------|--------------------------------|
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.974/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°C to +105°C |
| Termination Interface: Style | Through Hole - Compliant Pin |
| Electrical | |
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum | 600V |
| Solder Process Data | |
| Lead-free Process Capability | N/A |
| Material Info | |
| Reference - Drawing Numbers | |
| Product Specification | PS-43045 |
| Sales Drawing | SD-44914-002 |
| Test Summary | TS-43045-001 |

This document was generated on 03/03/2016

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