

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [44914-6402](#)

**Status:** **Active**

**Overview:** [Micro-Fit 3.0™ Connectors](#)

**Description:** Micro-Fit CPI™ Header, Dual Row, Vertical, Compliant Pin Interface, 14 Circuits, LCP, Glass-Filled, UL 94V-0, 0.38µm Gold (Au) Selective Contact Plating, Tin (Sn) Plated Tails, Glow Wire Compatible

**Documents:**

[3D Model](#)

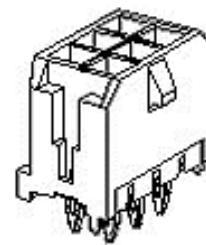
[Drawing \(PDF\)](#)

[Product Specification PS-43045 \(PDF\)](#)

[Test Summary TS-43045-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)



Series

image - Reference only

**Agency Certification**

CSA

TUV

UL

LR19980

R72081037

E29179

**General**

Product Family

Series

Application

[Application Tooling Part Link](#)

[Application Tooling Part Link](#)

Comments

PCB Headers

[44914](#)

Power, Wire-to-Board

62200-8400

62203-0455

"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."

[Micro-Fit 3.0™ Connectors](#)

987650-5984

Micro-Fit CPI™

822350764605

Overview

Product Literature Order No

Product Name

UPC

**Physical**

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Lock to Mating Part

No

14

14

Black

30

94V-0

Yes

Yes

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[44914Series](#)

**Mates With**

[43025-1400 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

[0622030455](#)

Compliant Pin

[0622008400](#)

Insertion Flat Rock

Tool

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.930/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 | 5A   |
| Voltage - Maximum             | 600V |

### **Material Info**

#### **Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-43045     |
| Sales Drawing         | SD-44914-002 |
| Test Summary          | TS-43045-001 |

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