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Part Number: 44914-1003

Status: Active

Overview: Micro-Fit 3.0™ Connectors

Description: 3.00mm Pitch Micro-Fit 3.0 CPI™ Header, Dual Row, Vertical, Compliant Pin Interface, 10 Circuits, LCP, Glass-Filled, UL 94V-0, 0.76µm Gold (Au) Selective Contact Plating, Tin/Lead (Sn/Pb) Plated Tails, Glow Wire Compatible
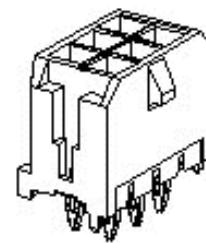
Documents:
3D Model
Drawing (PDF)
Product Specification PS-43045 (PDF)
RoHS Certificate of Compliance (PDF)
Product Literature (PDF)

Series
image - Reference only

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Low-Halogen Status
Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email 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.

Agency Certification
CSA — LR19980
TUV — R72081037
UL — E29179

General
Product Family	PCB Headers
Series	44914
Application	Power, Wire-to-Board
Application Tooling Part Link	622008400
Application Tooling Part Link	622030455
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 3.0 CPI™
UPC	756054638873

Search Parts in this Series
44914Series

Mates With
430251000 Receptacle

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	0622008400
Removal Tool	0622030455

Physical
Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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
Material - Plating Termination	90/10 Tin Lead, 90/10 Tin-Lead
Net Weight	1.448/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	1.270µm
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	250V

Solder Process Data

Replacement RoHS Compliant Part Number	0449146003

Material Info

Reference - Drawing Numbers

Product Specification	PS-43045, RPS-43045-003, RPS-43045-004
Sales Drawing	SD-44914-001

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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  [44914-1003](#)