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Part Number:

0449141001

Status:

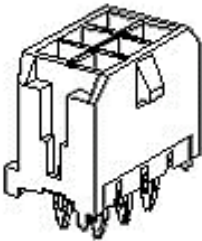
Active

Overview:

Micro-Fit 3.0™ Connectors

Description:

Micro-Fit CPI™ Header, Capable Pin Interface, Dual Row, Vertical, 10 Circuits, Tin (Sn) Plating, Glow Wire Capable



Series image - Reference only

|                                                              |                                                              |
|--------------------------------------------------------------|--------------------------------------------------------------|
| Documents:                                                   |                                                              |
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification TS-46235-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-70873-0314 (PDF)</a>  |
| <a href="#">Product Specification PS-43045 (PDF)</a>         | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Product Specification TS-43045-001-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                     |
| <a href="#">Product Specification TS-43045-002-001 (PDF)</a> |                                                              |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                       | <a href="#">Micro-Fit 3.0™ Connectors</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Literature Order No    | 987650-5984                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Name                   | Micro-Fit CPI™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UPC                            | 756054637685                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Physical                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Breakaway                      | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Circuits (Loaded)              | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Circuits (maximum)             | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Color - Resin                  | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Flammability                   | 94V-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Glow-Wire Compliant            | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Material - Metal               | High Performance Alloy (HPA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Material - Plating Mating      | Tin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -ED/01/2017 (12 January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

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

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

44914 Series

Mates With

43025-1000 Micro-Fit 3.0™ Receptacle Housing

|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| Material - Plating Termination     | Tin                                                               |
| Material - Resin                   | High Temperature Thermoplastic                                    |
| 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               | 5.080μm                                                           |
| Plating min - Termination          | 5.080μm                                                           |
| 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                                      |
| <b>Electrical</b>                  |                                                                   |
| Current - Maximum per Contact      | 5.0A                                                              |
| Voltage - Maximum                  | 600V                                                              |
| <b>Solder Process Data</b>         |                                                                   |
| Lead-freeProcess Capability        | N/A                                                               |
| <b>Material Info</b>               |                                                                   |
| <b>Reference - Drawing Numbers</b> |                                                                   |
| Packaging Specification            | PK-70873-0314                                                     |
| Product Specification              | PS-43045, TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001 |
| Sales Drawing                      | SD-44914-002                                                      |

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