

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0430450424

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 4 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black

|                                                                 |                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Documents:                                                      |                                                                 |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Test Summary 430450004-TS-000 (PDF)</a>             |
| <a href="#">3D Model</a>                                        | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>             |
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>             |
| <a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                 |
| <a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-43045-0424-001 (PDF)</a>  |
| <a href="#">Product Specification PS-43045-001 (PDF)</a>        | <a href="#">Symbol Footprint Data SYM-43045-04246-001 (PDF)</a> |
| <a href="#">Packaging Specification PK-70873-0314-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CSA                            | LR19980                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UL                             | E29179                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| General                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Family                 | PCB Headers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Series                         | 43045                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application                    | Power, Wire-to-Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Comments                       | High Temperature Square Pin Offset Through Hole Mounting Solder Type<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 Connector System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Name                   | Micro-Fit 3.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UPC                            | 800754370776                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Physical                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Breakaway                      | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Circuits (Loaded)              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Circuits (maximum)             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Color - Resin                  | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Flammability                   | 94V-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Glow-Wire Capable              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Mated Height                   | 17.64mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Material - Metal               | Brass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

43045 Series

Mates With

Micro-Fit 3.0 Receptacle Housing [43025](#) . Micro-Fit 3.0 TPA Receptacle Housing [172952](#) . Micro-Fit 3.0 Cable Assembly [245132](#) , [214755](#) , [214756](#) . Micro-Fit TPA Cable Assembly [45132](#)

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Material - Plating Mating                      | Tin                                                       |
| Material - Plating Termination                 | Tin                                                       |
| Material - Resin                               | High Temperature Thermoplastic                            |
| Net Weight                                     | 0.837/g                                                   |
| Number of Rows                                 | 2                                                         |
| Orientation                                    | Vertical                                                  |
| PCB Locator                                    | Yes                                                       |
| PCB Retention                                  | Yes                                                       |
| PCB Thickness - Recommended                    | 1.60mm                                                    |
| Packaging Type                                 | Tray                                                      |
| Pitch - Mating Interface                       | 3.00mm                                                    |
| Plating min - Mating                           | 0.254μm                                                   |
| Polarized to PCB                               | Yes                                                       |
| Shrouded                                       | Fully                                                     |
| Stackable                                      | No                                                        |
| Surface Mount Compatible (SMC)                 | Yes                                                       |
| Temperature Range - Operating                  | -40° to +105°C                                            |
| Termination Interface: Style                   | Through Hole - Kinked Pin                                 |
| <b>Electrical</b>                              |                                                           |
| Current - Maximum per Contact                  | 8.5A                                                      |
| Voltage - Maximum                              | 600V                                                      |
| <b>Solder Process Data</b>                     |                                                           |
| Duration at Max. Process Temperature (seconds) | 030                                                       |
| Lead-freeProcess Capability                    | SMC&WAVE                                                  |
| Max. Cycles at Max. Process Temperature        | 003                                                       |
| Process Temperature max. C                     | 260                                                       |
| <b>Material Info</b>                           |                                                           |
| <b>Reference - Drawing Numbers</b>             |                                                           |
| Packaging Specification                        | PK-70873-0314-001                                         |
| Product Specification                          | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001 |
| Sales Drawing                                  | SD-43045-009-001                                          |
| Symbol/Footprint Data                          | SYM-43045-0424-001, SYM-43045-0424_6-001                  |
| Test Summary                                   | 430450004-TS-000, TS-43045-001-001,<br>TS-46235-001-001   |

This document was generated on 09/08/2021

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION