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**Part Number:** **0430450609**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 6 Circuits, with Solder Tab, Tin, Glow-Wire Capable, Black, Tape and Reel

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>   | <a href="#">Packaging Specification 430450001-PK-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Test Summary 430450004-TS-000 (PDF)</a>            |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>            |
| <a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a>  | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>            |
| <a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a>  | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Product Specification PS-43045-001 (PDF)</a>         | <a href="#">Symbol Footprint Data SYM-43045-0609-001 (PDF)</a> |
| <a href="#">Application Specification AS-43045-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

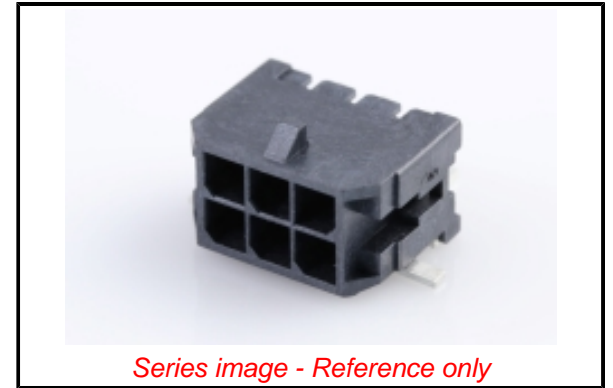
**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | 43045   |
| Application    | Power, Wire-to-Board  |
| Comments       | """"""""High Temperature Square Pin 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     | <a href="#">Micro-Fit Connector System</a> |
| Product Name | Micro-Fit 3.0                              |
| UPC          | 800754371131                               |

**Physical**

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 6       |
| Circuits (maximum)             | 6       |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Capable              | Yes     |
| Mated Height                   | 10.29mm |
| Material - Metal               | Brass   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2021)4569-DC (8 July 2021)  
1,2-diethoxyethane  
Dibutyltin-dichloride  
C.I. Direct Black 38  
Ammonium-pentadecafluorooctanoate  
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethyl-2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,4-dioxo-2,4-dioxo-2,4-dioxo-O,O')tin  
2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethyl-2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,4-dioxo-2,4-dioxo-O,O')tin  
Dipentyl phthalate  
Benzo(ghi)perylene  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentamethylcyclohexasiloxane  
Decamethylcyclopentasiloxane  
Octamethylcyclotetrasiloxane  
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(Azo)]-1,2-benzenedicarboxylic acid, bis(3-methylbutyl)  
Tris(4-nonylphenyl, branched and linear) phosphite

**China RoHS**

|                                |                                |
|--------------------------------|--------------------------------|
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.124/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 3.00mm                         |
| Plating min - Mating           | 0.254µm                        |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Surface Mount                  |

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum             | 600V |

#### Solder Process Data

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 030    |
| Lead-free Process Capability                   | REFLOW |
| Max. Cycles at Max. Process Temperature        | 003    |
| Process Temperature max. C                     | 260    |

#### Material Info

#### Reference - Drawing Numbers

|                           |  |
|---------------------------|--|
| Application Specification | AS-43045-001-001                                       |
| Packaging Specification   | 430450001-PK-000                                       |
| Product Specification     | 430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001 |
| Sales Drawing             | SD-43045-004-000                                       |
| Symbol/Footprint Data     | SYM-43045-0609-001                                     |
| Test Summary              | 430450004-TS-000, TS-43045-001-001, TS-46235-001-001   |

Perfluorobutane sulfonic acid (PFBS) and its salt  
 Fluoranthene  
 Pyrene  
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
 Dioctyltin dilaurate, stannane, dioctyl-, bis(co  
 Perfluorononan-1-oic acid  
 (2,2,3,3,4,4,5,5,6,6,7  
 Perfluorohexane-1-sulphonic acid and its salts  
 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol  
 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-b  
 1,2-Benzenedicarboxylic acid, dihexyl ester, bra  
 diisohexyl phthalate  
 1,2-Benzenedicarboxylic acid, dipentyl ester, br  
 Zirconia  
 Aluminosilicate  
 Refractory Ceramic Fibr  
 Nonadecafluorodecanoic acid (PFDA) and its sodiu  
 Tris(4-nonylphenyl, branched and linear)  
 phosphi  
 Dipentyl phthalate  
 1,2-Dimethoxyethane  
 1,2-bis(2-methoxyethoxy)ethane  
 Decabromodiphenylether  
 Diboron-trioxide  
 Cadmium-oxide  
 Lead(II,IV)-oxide  
 Lead  
 Cadmium  
 Cobalt-dichloride  
 Alkanes, C10-13, chloro  
 Bis(tributyltin) oxide  
 Lead chromate  
 Lead chromate molybdate sulfate red  
 Tris(2-chloroethyl) phosphate  
 bis(2-methoxyethyl) ether  
 1,2-Dimethoxyethane  
 Sulfurous Acid, Lead Salt, Dibasic

Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
[Phthalato(2-)]dioxotrilead  
4-aminoazobenzene  
N,N-  
Dimethylformamide  
Phenanthrene  
Imidazolidine-2-thione  
Dipentyl phthalate  
Cadmium  
Lead-dinitrate  
Lead-titanium-trioxide  
Pentalead-tetraoxide-  
sulphate  
Tetralead-trioxide-  
sulphate  
Dioxobis(stearato)trilead  
Lead titanium  
zirconium oxide  
Cyanamide, lead(2+)  
salt (1:1)

**Halogen-Free  
Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| 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](#)

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