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**Part Number:** **0430450209**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 2 Circuits, with Solder Tab, Tin, Glow-Wire Capable, Black, Tape and Reel

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary 430450004-TS-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary 430450005-TS-000 (PDF)</a>
<a href="#">Drawing (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-43045-0209-001 (PDF)</a>
<a href="#">Application Specification AS-43045-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification 430450001-PK-000 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

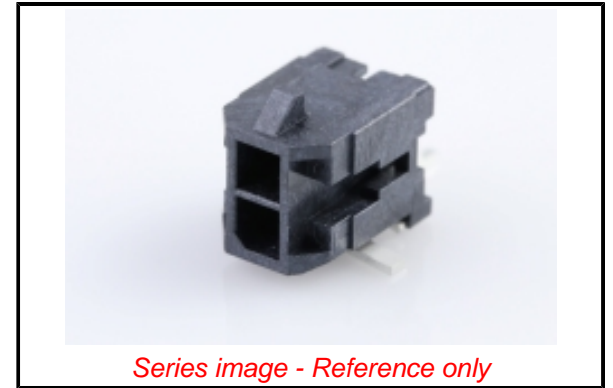
**General**

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	800754369985

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	10.29mm



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-dim  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
Dibutylbis(pentane-2,4-  
dionato-O,O')tin  
2-(2H-Benzotriazol-2-  
yl)-4,6-  
ditertpentylphenol  
Dipentyl phthalate  
Benzo(ghi)perylene  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8-  
pen  
Dodecamethylcyclohexasiloxane  
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)  
phosphi

**China RoHS**

Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.608/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-43045-0209-001
Test Summary	430450004-TS-000, 430450005-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](#)  
<br>Micro-Fit 3.0 TPA Receptacle Housing  
[172952](#) <br> Micro-Fit 3.0 Cable Assembly  
[245132](#) , [214755](#) , [214756](#)

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