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**Part Number:** **0430451011**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 10 Circuits, with Solder Tab, Gold, Glow-Wire Capable, Black, Tape and Reel

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary 430450006-TS-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary TS-43045-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-43045-002-001 (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-43045-1009-001 (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

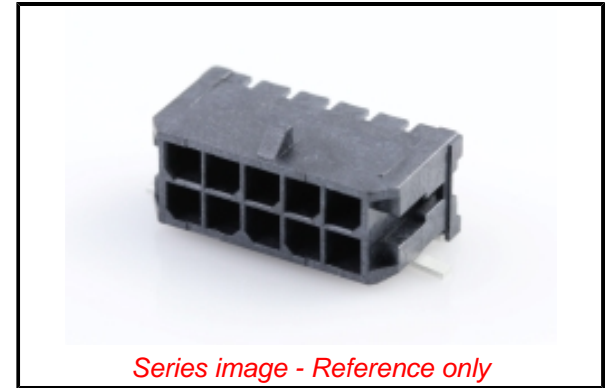
**General**

Product Family	PCB Headers
Series	<u>43045</u>
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	<u>Micro-Fit Connector System</u>
Product Name	Micro-Fit 3.0
UPC	800754372404

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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)  
Perfluorohexane-1-sulphonic acid and its salts  
Perfluorononan-1-oic acid  
(2,2,3,3,4,4,5,5,6,6,7-Dioctyltin dilaurate, stannane, dioctyl-, bis(co  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
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

**China RoHS**

Material - Metal	Brass	Perfluorobutane
Material - Plating Mating	Gold	sulfonic acid (PFBS)
Material - Plating Termination	Tin	and its sal
Material - Resin	High Temperature Thermoplastic	Fluoranthene
Net Weight	1.628/g	Pyrene
Number of Rows	2	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Orientation	Right Angle	Cadmium-oxide
PCB Locator	Yes	Lead(II,IV)-oxide
PCB Retention	Yes	Lead
PCB Thickness - Recommended	1.60mm	Cadmium
Packaging Type	Embossed Tape on Reel	Lead-dinitrate
Pitch - Mating Interface	3.00mm	Lead-titanium-trioxide
Plating min - Mating	0.762µm	Pentalead-tetraoxide-
Polarized to PCB	Yes	sulphate
Shrouded	Fully	Tetralead-trioxide-
Stackable	No	sulphate
Surface Mount Compatible (SMC)	N/A	Dioxobis(stearato)trilead
Temperature Range - Operating	-40° to +125°C	Lead titanium
Termination Interface: Style	Surface Mount	zirconium oxide
<b>Electrical</b>		Cyanamide, lead(2+)
Current - Maximum per Contact	8.5A	salt (1:1)
Voltage - Maximum	600V	Cobalt-dichloride
<b>Solder Process Data</b>		Alkanes, C10-13,
Duration at Max. Process Temperature (seconds)	030	chloro
Lead-free Process Capability	REFLOW	Bis(tributyltin) oxide
Max. Cycles at Max. Process Temperature	003	Lead chromate
Process Temperature max. C	260	Lead chromate
<b>Material Info</b>		molybdate sulfate red
<b>Reference - Drawing Numbers</b>		Tris(2-chloroethyl)
Application Specification	AS-43045-001-001	phosphate
Packaging Specification	430450001-PK-000	bis(2-methoxyethyl)
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001	ether
Sales Drawing	SD-43045-004-000	1,2-Dimethoxyethane
Symbol/Footprint Data	SYM-43045-1009-001	1,2-bis(2-
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001	methoxyethoxy)ethane
		Decabromodiphenylether
		Diboron-trioxide
		Sulfurous Acid, Lead
		Salt, Dibasic
		Decamethylcyclopentasiloxane
		Octamethylcyclotetrasiloxane
		Disodium 3,3'-[[1,1'-
		Biphenyl]-4,4'-
		Diylbis(Azo)
		1,2-
		Benzenedicarboxylic
		acid, bis(3-
		methylbutyl)
		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

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  
Benzo(ghi)perylene  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-  
pen  
Dodecamethylcyclohexasiloxane  
Decamethylcyclopentasiloxane

**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  
[214755](#) , [214756](#)

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