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Part Number: **0430451009**
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, Tin, Glow-Wire Capable, Black, Tape and Reel

Documents:

3D Model (PDF)	Packaging Specification 430450001-PK-000 (PDF)
3D Model	Test Summary 430450004-TS-000 (PDF)
Drawing (PDF)	Test Summary TS-43045-001-001 (PDF)
Product Specification 430450001-PS-KO-000 (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification 430450001-PS-SP-000 (PDF)	Datasheet (PDF)
Product Specification PS-43045-001 (PDF)	Symbol Footprint Data SYM-43045-1009-001 (PDF)
Application Specification AS-43045-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

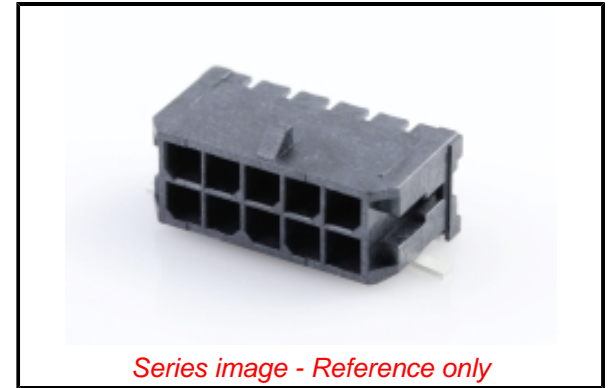
General

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	800754372374

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
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)
Benzo(ghi)perylene
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
Dodecamethylcyclhexasiloxane
Decamethylcyclpentasiloxane
Octamethylcycltetrasiloxane
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
2-(2H-Benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
1,2-
Benzenedicarboxylic

China RoHS

Material - Plating Mating	Tin	acid, dihexyl ester,
Material - Plating Termination	Tin	bra
Material - Resin	High Temperature Thermoplastic	diisohexyl phthalate
Net Weight	1.628/g	1,2-
Number of Rows	2	Benzenedicarboxylic
Orientation	Right Angle	acid, dipentyl ester, br
PCB Locator	Yes	Zirconia
PCB Retention	Yes	Aluminosilicate
PCB Thickness - Recommended	1.60mm	Refractory Ceramic
Packaging Type	Embossed Tape on Reel	Fibr
Pitch - Mating Interface	3.00mm	Nonadecafluorodecanoic
Plating min - Mating	0.254µm	acid (PFDA) and its
Polarized to PCB	Yes	sodiu
Shrouded	Fully	Tris(4-nonylphenyl,
Stackable	No	branched and linear)
Surface Mount Compatible (SMC)	N/A	phosphi
Temperature Range - Operating	-40° to +105°C	Perfluorobutane
Termination Interface: Style	Surface Mount	sulfonic acid (PFBS)
		and its sal
Electrical		Fluoranthene
Current - Maximum per Contact	8.5A	Pyrene
Voltage - Maximum	600V	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
		Diocetyl tin dilaurate,
Solder Process Data		stannane, dioctyl-,
Duration at Max. Process Temperature (seconds)	030	bis(co
Lead-free Process Capability	REFLOW	Perfluorononan-1-
Max. Cycles at Max. Process Temperature	003	oic acid
Process Temperature max. C	260	(2,2,3,3,4,4,5,5,6,6,7
		Perfluorohexane-1-
Material Info		sulphonic acid and its
		salts
Reference - Drawing Numbers		Dipentyl phthalate
Application Specification	AS-43045-001-001	Cobalt-dichloride
Packaging Specification	430450001-PK-000	Alkanes, C10-13,
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000,	chloro
	PS-43045-001	Bis(tributyltin) oxide
Sales Drawing	SD-43045-004-000	Lead chromate
Symbol/Footprint Data	SYM-43045-1009-001	Lead chromate
Test Summary	430450004-TS-000, TS-43045-001-001,	molybdate sulfate red
	TS-46235-001-001	Tris(2-chloroethyl)
		phosphate
		bis(2-methoxyethyl)
		ether
		1,2-Dimethoxyethane
		1,2-bis(2-
		methoxyethoxy)ethane
		Decabromodiphenylether
		Diboron-trioxide
		Cadmium-oxide
		Lead(II,IV)-oxide
		Lead
		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)
		Sulfurous Acid, Lead
		Salt, Dibasic

Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead
4-aminoazobenzene
N,N-
Dimethylformamide
Phenanthrene
Imidazolidine-2-thione

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](#)

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