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Part Number:

0430451406

Status:

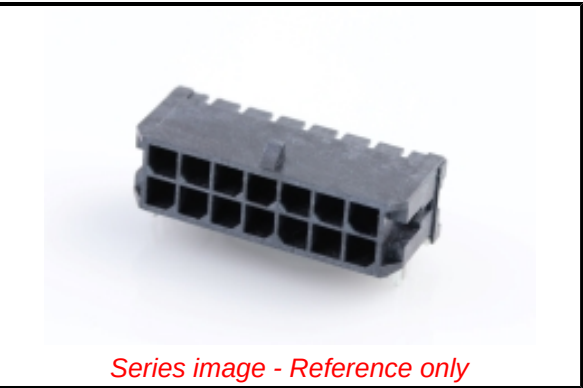
Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 14 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black, Tape and Reel



Documents:	
3D Model	Packaging Specification 430450001-PK-000 (PDF)
3D Model (PDF)	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-43045-1406-001 (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	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. High Temperature
Overview	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
UPC	800754373562
Physical	
Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	10.29mm
Material - Metal	Brass

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contained Per -
D(2021)4569-DC (8
July 2021)
Dibutylbis(pentane-2,4-
dionato-O,O')tin
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
Phenol, 2-(2H-
benzotriazol-2-yl)-4,6-
bis(1,1-dim
Ammonium-
pentadecafluorooctanoate
C.I. Direct Black 38
Dibutyltin-dichloride
1,2-diethoxyethane
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
Octamethylcyclotetrasiloxane
Decamethylcyclopentasiloxane
Dodecamethylcyclohexasiloxane
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8-
pen
Benzo(ghi)perylene
Dipentyl phthalate
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
Perfluorohexane-1-
sulphonic acid and its
salts

Material - Plating Mating	Tin	Perfluorononan-1-
Material - Plating Termination	Tin	oic acid
Material - Resin	High Temperature Thermoplastic	(2,2,3,3,4,4,5,5,6,6,7
Net Weight	2.141/g	Diocetyltn dilaurate,
Number of Rows	2	stannane, dioctyl-,
Orientation	Right Angle	bis(co
PCB Locator	Yes	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
PCB Retention	Yes	Pyrene
PCB Thickness - Recommended	1.60mm	Fluoranthene
Packaging Type	Embossed Tape on Reel	Perfluorobutane
Pitch - Mating Interface	3.00mm	sulfonic acid (PFBS)
Plating min - Mating	0.254µm	and its sal
Polarized to PCB	Yes	Tris(4-nonylphenyl,
Shrouded	Fully	branched and linear)
Stackable	No	phosphi
Surface Mount Compatible (SMC)	N/A	Nonadecafluorodecanoic
Temperature Range - Operating	-40° to +105°C	acid (PFDA) and its
Termination Interface: Style	Surface Mount	sodiu
Electrical		Zirconia
Current - Maximum per Contact	8.5A	Aluminosilicate
Voltage - Maximum	600V	Refractory Ceramic
Solder Process Data		Fibr
Duration at Max. Process Temperature (seconds)	030	1,2-
Lead-freeProcess Capability	REFLOW	Benzenedicarboxylic
Max. Cycles at Max. Process Temperature	003	acid, dipentyl ester, br
Process Temperature max. C	260	diisohexyl phthalate
Material Info		1,2-
Reference - Drawing Numbers		Benzenedicarboxylic
Application Specification	AS-43045-001-001	acid, dihexyl ester,
Packaging Specification	430450001-PK-000	bra
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001	2-(2H-Benzotriazol-2-
Sales Drawing	SD-43045-003-000	yl)-4-(tert-butyl)-6-
Symbol/Footprint Data	SYM-43045-1406-001	(sec-b
Test Summary	430450004-TS-000, TS-43045-001-001, TS-46235-001-001	2-(2H-Benzotriazol-2-
		yl)-4,6-
		ditertpentylphenol
		Cadmium
		Lead
		Lead(II,IV)-oxide
		Cadmium-oxide
		Diboron-trioxide
		Decabromodiphenylether
		1,2-bis(2-
		methoxyethoxy)ethane
		1,2-Dimethoxyethane
		bis(2-methoxyethyl)
		ether
		Tris(2-chloroethyl)
		phosphate
		Lead chromate
		molybdate sulfate red
		Lead chromate
		Bis(tributyltin) oxide
		Alkanes, C10-13,
		chloro
		Cobalt-dichloride
		Cadmium
		Dipentyl phthalate
		Imidazolidine-2-thione
		Phenanthrene
		N,N-
		Dimethylformamide
		4-aminoazobenzene
		[Phthalato(2-)]dioxotrilead

Silicic acid (H2Si2O5),
barium salt (1:1),
lead-
Sulfurous Acid, Lead
Salt, Dibasic
Cyanamide, lead(2+)
salt (1:1)
Lead titanium
zirconium oxide
Dioxobis(stearato)trilead
Tetralead-trioxide-
sulphate
Pentalead-tetraoxide-
sulphate
Lead-titanium-trioxide
Lead-dinitrate
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](#)

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