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Part Number: [0430451427](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 14 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black

Documents:

3D Model (PDF)	Test Summary 430450004-TS-000 (PDF)
3D Model	Test Summary TS-43045-001-001 (PDF)
Drawing (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification 430450001-PS-KO-000 (PDF)	Datasheet (PDF)
Product Specification 430450001-PS-SP-000 (PDF)	Symbol Footprint Data SYM-43045-1427-001 (PDF)
Product Specification PS-43045-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-70873-0314-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

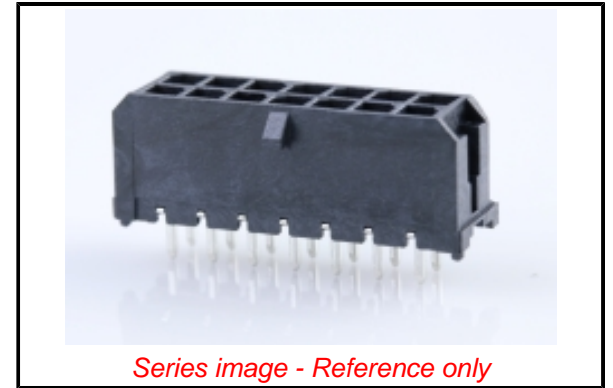
Product Family	PCB Headers
Series	43045
Application	Power, Wire-to-Board
Comments	""""""This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire 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

Packaging Alternative	Micro-Fit Connector System
Product Name	430451491
UPC	Micro-Fit 3.0 800753834170

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Lock to Mating Part	Yes
Mated Height	17.64mm
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, bra
Material - Plating Termination	Tin	diisohexyl phthalate
Material - Resin	High Temperature Thermoplastic	1,2-
Net Weight	1.944/g	Benzenedicarboxylic acid, dipentyl ester, br
Number of Rows	2	Zirconia
Orientation	Vertical	Aluminosilicate
PC Tail Length	3.18mm	Refractory Ceramic Fibr
PCB Locator	Yes	Nonadecafluorodecanoic acid (PFDA) and its sodiu
PCB Retention	None	Tris(4-nonylphenyl, branched and linear) phosphi
PCB Thickness - Recommended	1.60mm	Perfluorobutane sulfonic acid (PFBS) and its sal
Packaging Type	Tray	Fluoranthene
Pitch - Mating Interface	3.00mm	Pyrene
Plating min - Mating	0.254µm	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Polarized to PCB	Yes	Diocetyl tin dilaurate, stannane, dioctyl-, bis(co
Shrouded	Fully	Perfluorononan-1-oic acid
Stackable	No	(2,2,3,3,4,4,5,5,6,6,7
Surface Mount Compatible (SMC)	Yes	Perfluorohexane-1-sulphonic acid and its salts
Temperature Range - Operating	-40° to +105°C	Dipentyl phthalate
Termination Interface: Style	Through Hole	Cobalt-dichloride
Electrical		Alkanes, C10-13, chloro
Current - Maximum per Contact	8.5A	Bis(tributyltin) oxide
Voltage - Maximum	600V	Lead chromate
Solder Process Data		Lead chromate molybdate sulfate red
Duration at Max. Process Temperature (seconds)	030	Tris(2-chloroethyl) phosphate
Lead-free Process Capability	SMC&WAVE	bis(2-methoxyethyl) ether
Max. Cycles at Max. Process Temperature	003	1,2-Dimethoxyethane
Process Temperature max. C	260	1,2-bis(2-methoxyethoxy)ethane
Material Info		Decabromodiphenylether
Reference - Drawing Numbers		Diboron-trioxide
Packaging Specification	PK-70873-0314-001	Cadmium-oxide
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001	Lead(II,IV)-oxide
Sales Drawing	SD-43045-010-001	Lead
Symbol/Footprint Data	SYM-43045-1427-001	Cadmium
Test Summary	430450004-TS-000, TS-43045-001-001, TS-46235-001-001	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](#)

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