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**Part Number:** [0430452028](#)  
**Status:** **Active**  
**Overview:**  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 20 Circuits, with PCB Polarizing Peg, Gold, Glow-Wire Capable, Black

**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."""""" microfit_30
Overview	
Product Name	Micro-Fit 3.0
UPC	800753841819

**Physical**

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
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
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.677/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.18mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm

**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  
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-dimethyl-2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,4-dioxo-2,4-dionato-O,O')tin  
2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol  
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)-1,2-Benzenedicarboxylic acid, dihexyl ester, branched  
diisohexyl phthalate  
1,2-Benzenedicarboxylic acid, dipentyl ester, branched  
Zirconia  
Aluminosilicate  
Refractory Ceramic Fibr  
Nonadecafluorodecanoic acid (PFDA) and its sodium salt

**China RoHS**

Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

#### Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

#### Solder Process Data

Duration at Max. Process Temperature (seconds)	030
Lead-free Process Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260

#### Material Info

#### Reference - Drawing Numbers

Packaging Specification	PK-70873-0314-001
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001
Sales Drawing	SD-43045-010-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

Tris(4-nonylphenyl, branched and linear) phosphi  
Perfluorobutane sulfonic acid (PFBS) and its sal  
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  
Dipentyl phthalate  
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  
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 (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  
**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](#)

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