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Part Number: [0430451627](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 16 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black

Documents:

| | |
|---|--|
| Drawing (PDF) | Test Summary 430450004-TS-000 (PDF) |
| 3D Model (PDF) | Test Summary TS-43045-001-001 (PDF) |
| 3D Model | 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-43045-1627-001 (PDF) |
| Product Specification PS-43045-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Packaging Specification PK-70873-0314-001 (PDF) | |

Agency Certification

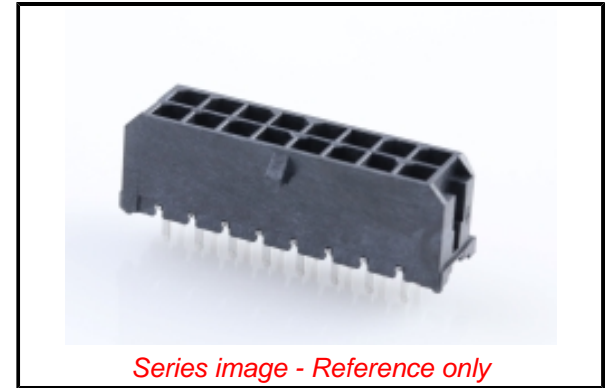
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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 | Micro-Fit Connector System |
| Product Name | Micro-Fit 3.0 |
| UPC | 800754374514 |

Physical

| | |
|--------------------------------|---------|
| Breakaway | No |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| 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 | Tin |



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
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
2-(2H-Benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
1,2-
Benzenedicarboxylic

China RoHS

| | |
|--------------------------------|--------------------------------|
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.196/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.18mm |
| PCB Locator | Yes |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 3.00mm |
| Plating min - Mating | 0.254µm |
| 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 |
| Symbol/Footprint Data | SYM-43045-1627-001 |
| Test Summary | 430450004-TS-000, TS-43045-001-001, TS-46235-001-001 |

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
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 (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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