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Part Number: [0430450424](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 4 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black

Documents:

Drawing (PDF)	Test Summary 430450004-TS-000 (PDF)
3D Model	Test Summary TS-43045-001-001 (PDF)
3D Model (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-43045-0424-001 (PDF)
Product Specification PS-43045-001 (PDF)	Symbol Footprint Data SYM-43045-04246-001 (PDF)
Packaging Specification PK-70873-0314-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

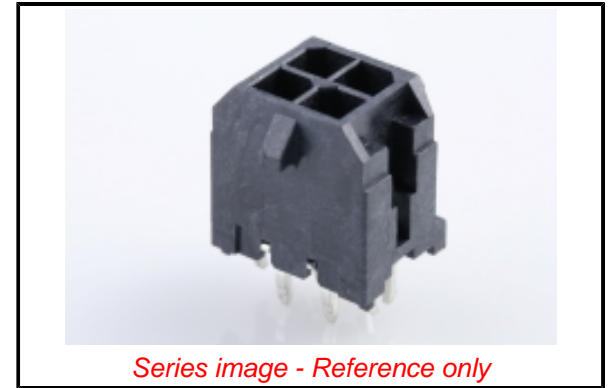
General

Product Family	PCB Headers
Series	43045
Application	Power, Wire-to-Board
Comments	""""""""High Temperature Square Pin Offset Through Hole Mounting 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	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
UPC	800754370776

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	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)10043-DC (17
Jan 2022)
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
methoxyacetic acid
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
Benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
methoxyacetic acid
1,2-diethoxyethane
Dibutyltin-dichloride
2-methylimidazole
Benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
Decamethylcyclopentasiloxane
Dodecamethylcyclohexasiloxane
heptacosafuorotetradecanoic
acid
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
tricosafuorododecanoic
acid
Benzo(ghi)perylene
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
1,7,7-trimethyl-3-
(phenylmethylene)bicyclo[2.2.1

China RoHS

Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.837/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
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 - Kinked Pin

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-43045-009-001
Symbol/Footprint Data	SYM-43045-0424-001, SYM-43045-0424_6-001
Test Summary	430450004-TS-000, TS-43045-001-001, TS-46235-001-001

Disodium-octaborate
 sodium
 peroxometaborate
 Ammonium-
 pentadecafluorooctanoate
 hencosafluoroundecanoic
 acid
 C.I. Direct Black 38
 chromium trioxide
 1,3-Propanesultone
 1-vinylimidazole
 4,4'-methylenedi-o-
 toluidine
 2-methylimidazole
 Benzo(ghi)perylene
 4-tert-butylphenol
 4-o-tolylazo-o-
 toluidine
 Imidazolidine-2-thione
 4-methyl-m-
 phenylenediamine
 o-toluidine
 butyl 4-
 hydroxybenzoate
 Dinoseb
 Phenanthrene
 Dihexyl-phthalate
 Dicyclohexyl-
 phthalate
 p-(1,1-
 dimethylpropyl)phenol
 Acetamide, N-methyl-
 bis(2-(2-
 methoxyethoxy)ethyl)
 ether
 Dipentyl phthalate
 1,4-dioxane
 C,C'-
 azodi(formamide)
 6-methoxy-m-toluidine
 6,6'-di-tert-butyl-2,2'-
 methylenedi-p-cresol
 Glutaral
 2-Methoxyethyl
 acetate
 furan
 Ethylenediamine
 1-bromopropane
 nitrobenzene
 Cadmium nitrate
 Benz[a]anthracene
 Pyrene
 Fluoranthene
 Perfluorobutane
 sulfonic acid (PFBS)
 and its sal
 Phenol, alkylation
 products (mainly in
 para posi
 orthoboric acid,
 sodium salt
 Medium-chain
 chlorinated paraffins
 (MCCP)

2-(4-tert-butylbenzyl)propionaldehyde and its in
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-Tris(4-nonylphenyl, branched and linear) phosphi
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio
Perfluorohexane-1-sulphonic acid and its salts
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5
reaction mass of
2-ethylhexyl 10-ethyl-4,4-dioct
Cadmium sulphate
Sodium perborate; perboric acid, sodium salt
Methylhexahydrophthalic anhydride
hexahydro-2-benzofuran-1,3-dione
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated
Perfluorononan-1-oic acid
(2,2,3,3,4,4,5,5,6,6,7
Dioctyltin dilaurate, stannane, dioctyl-, bis(co
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Chrysene
Nonadecafluorodecanoic acid (PFDA) and its sodiu
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT
S-
(tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(i
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidi
2-benzyl-2-dimethylamino-4-morpholinobutyropheno
4,4-isobutylethylidenediphenol
2-Methyl-1-(4-methylthiophenyl)-2-morpholinoprop
1,2-Benzenedicarboxylic acid, dipentyl ester, br

pentacosafuorotridecanoic
acid
diisohexyl phthalate
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
Terphenyl,
hydrogenated
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
4-Heptylphenol,
branched and linear
4-Nonylphenol,
branched and linear,
ethoxylated
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
4-Nonylphenol,
branched and linear
[substances w
Acids generated from
chromium trioxide and
their
Zirconia
Aluminosilicate
Refractory Ceramic
Fibr
Aluminosilicate
Refractory Ceramic
Fibres
4,4'-Oxydianiline and
its salts
Boric acid
Disodium tetraborate
Hydrazine
1,3-BENZENEDIOL,
TRINITRO-, LEAD
SALT
Potassium
hydroxyoctaoxodizincatedichromate
bis(2-methoxyethyl)
ether
Calcium-arsenate
1,2-
Benzenedicarboxylic
acid, di-C6-8-
branched a
1,2,3-
Trichloropropane
1-Methyl-2-
pyrrolidone
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
Strontium-chromate
2-Ethoxyethyl acetate
Cobalt sulphate
Cobalt-dinitrate

Acetic acid, cobalt(2+) salt
Carbonic acid, cobalt(2+) salt (1:1)
formamide
2,2'-dichloro-4,4'-methylenedianiline
Dichromium tris(chromate) phenolphthalein
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl)
Formaldehyde, polymer with benzenamine
1,2-dichloroethane
Trilead-diarsenate
2-methoxyaniline
Arsenic-acid
N,N-dimethylacetamide (DMAc, DMA)
Lead-dipicrate
Potassium hydroxyoctaoxidizincatedichromate
Carbonic acid, cobalt(2+) salt (1:1)
Diisobutyl-phthalate
Anthracene oil, anthracene-low; Anthracene Oil F
Anthracene oil, anthracene paste, distn. lights;
Anthracene oil, anthracene paste, anthracene fra
Anthracene oil, anthracene paste;
Anthracene Oil
Anthracene oil;
Anthracene oil
2,4-Dinitrotoluene
Arsenic acid (H₃AsO₄), lead(2+) salt (1:1)
Di-(2-ethylhexyl)phthalat
Dibutylphthalate
4,4'-diaminodiphenylmethane
Arsenic acid (H₃AsO₄), triethyl ester
2-Ethoxyethanol
Trichloroethylene
Boric acid, disodium salt, hydrate
Sodium-chromate
Potassium-dichromate
Potassium-chromate
Ammonium-dichromate

Tris(2-chloroethyl)
phosphate
Pitch, coal tar, high-
temp.
Lead sulfochromate
yellow
Lead chromate
molybdate sulfate red
Lead chromate
Cadmium Hydroxide
Cyanamide, lead(2+)
salt (1:1)
Borate(1-),
tetrafluoro-, lead (2+)
Lead titanium
zirconium oxide
Dioxobis(stearato)trilead
Tetralead-trioxide-
sulphate
Trilead-dioxide-
phosphonate
Pentalead-tetraoxide-
sulphate
Lead-titanium-trioxide
Lead oxide sulfate
(Pb₂O(SO₄))
Silicic acid, lead salt
Cadmium-chloride
dimethyl sulphate
4,4'-(1-
Methylpropylidene)bisphenol
propylene oxide
diethyl sulphate
4-aminoazobenzene
1,3,5-tris-[(2S
and 2R)-2,3-
epoxypropyl]-1,3,5-t
Lead(II)
methanesulfonate
Fatty Acids, C16-18,
Lead Salts
[Phthalato(2-)]dioxotrilead
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Sulfurous Acid, Lead
Salt, Dibasic
Acetic Acid, Lead
Salt, Basic
Lead-dinitrate
Cadmium-oxide
Diboron-trioxide
Decabromodiphenylether
4,4'-
bis(dimethylamino)-4''-
(methylamino)trityl
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
Cadmium-carbonate
Lead di(acetate)
1,2-bis(2-
methoxyethoxy)ethane
1,2-Dimethoxyethane

N,N,N',N'-
tetramethyl-4,4'-
methyldianiline
4,4'-
bis(dimethylamino)benzophenone
Tetraethyllead
formamide
Lead-dinitrate
pyrochlore, antimony
lead yellow
Cadmium-fluoride
Cadmium
Lead

α,α #Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)
[4-[[4-Anilino-1-
naphthyl]]4-
(dimethylamino)phen
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
Lead Oxide
Trilead bis(carbonate)
dihydroxide
Lead(II,IV)-oxide
Cadmium-sulphide
Cadmium-oxide

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](#) . Micro-Fit TPA
Cable Assembly [45132](#)

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