

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0436500227](#)  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 2 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary 430450004-TS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-43045-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary TS-43045-002-001 (PDF)</a>
<a href="#">Product Specification 436500001-PS-JA-000 (PDF)</a>	<a href="#">Test Summary TS-46235-001-001 (PDF)</a>
<a href="#">Product Specification 436500001-PS-KO-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 436500001-PS-SP-000 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-43650-0227-001 (PDF)</a>
<a href="#">Product Specification PS-43650-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-70873-0811-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

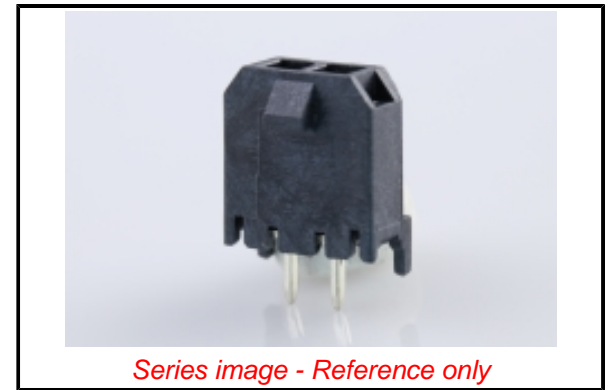
**General**

Product Family	PCB Headers
Series	<a href="#">43650</a>
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. """"""

Overview	<a href="#">Micro-Fit Connector System</a>
Product Name	Micro-Fit 3.0
UPC	800754942010

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Lock to Mating Part	Yes



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2021)10043-DC (17  
Jan 2022)  
Benzo(ghi)perylene  
Perfluorododecanoic  
acid  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8-  
pen  
Perfluoromyristic acid  
Dodecamethylcyclhexasiloxane  
Decamethylcyclopentasiloxane  
Benzene-1,2,4-  
tricarboxylic acid 1,2-  
anhydride  
Disodium 3,3'-[[1,1'-  
Biphenyl]-4,4'-  
Diylbis(Azo)  
1,2-  
Benzenedicarboxylic  
acid, bis(3-  
methylbutyl)  
methoxyacetic acid  
1,2-diethoxyethane  
Dibutyltin-dichloride  
2-methylimidazole  
4,4'-methylenedi-o-  
toluidine  
1-vinylimidazole  
1,3-Propanesultone  
chromium trioxide  
C.I. Direct Black 38  
Perfluoro-n-  
undecanoic acid  
Ammonium-  
pentadecafluorooctanoate  
sodium  
peroxometaborate  
Disodium-octaborate

**China RoHS**

Mated Height	17.27mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.461/g
Number of Rows	1
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	2.540µm
Plating min - Termination	2.540µm
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-70873-0811-001
Product Specification	436500001-PS-JA-000, 436500001-PS-KO-000, 436500001-PS-SP-000, PS-43650-001
Sales Drawing	SD-43650-010-001
Symbol/Footprint Data	SYM-43650-0227-001
Test Summary	430450004-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1] 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, Acetamide, N-methyl-p-(1,1-dimethylpropyl)phenol Dicyclohexyl-phthalate Dihexyl-phthalate Phenanthrene Dinoseb butyl 4-hydroxybenzoate o-toluidine 4-methyl-m-phenylenediamine Imidazolidine-2-thione 4-o-tolylazo-o-toluidine 4-tert-Butylphenol nitrobenzene 1-bromopropane Ethylenediamine furan 2-Methoxyethyl acetate Glutaral 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 6-methoxy-m-toluidine C,C'-azodi(formamide) 1,4-Dioxane Dipentyl phthalate Bis(2-(2-methoxyethoxy)ethyl)ether 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio Tris(4-nonylphenyl, branched and linear) phosphi 2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-(4-tert-butylbenzyl)propionaldehyde and its in Medium-chain chlorinated paraffins (MCCP) orthoboric acid, sodium salt Phenol, alkylation products (mainly in para posi Perfluorobutane sulfonic acid (PFBS) and its sal Fluoranthene Pyrene

Benz[a]anthracene  
Cadmium nitrate  
Chrysene  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Diocyltin dilaurate,  
stannane, dioctyl-,  
bis(co  
Perfluorononan-1-  
oic acid  
(2,2,3,3,4,4,5,5,6,6,7  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
hexahydro-2-  
benzofuran-1,3-dione  
Methylhexahydrophthalic  
anhydride  
Sodium perborate;  
perboric acid, sodium  
salt  
Cadmium sulphate  
reaction mass of  
2-ethylhexyl 10-  
ethyl-4,4-dioct  
5-sec-butyl-2-(2,4-  
dimethylcyclohex-3-  
en-1-yl)-5  
Perfluorohexane-1-  
sulphonic acid and its  
salts  
Terphenyl,  
hydrogenated  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
diisohexyl phthalate  
Pentacosafuorotridecanoic  
acid  
1,2-  
Benzenedicarboxylic  
acid, dipentyl ester, br  
2-Methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop  
4,4-  
isobutylethylidenediphenol  
2-Benzyl-2-  
dimethylamino-4-  
morpholinobutyropheno  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
n-pentyl-  
isopentylphthalate  
S-  
(tricyclo(5.2.1.02,6)deca-3-  
en-8(or 9)-yl O-(i  
1,3-BENZENEDIOL,  
TRINITRO-, LEAD  
SALT  
Hydrazine  
Disodium tetraborate  
Boric acid

4,4'-Oxydianiline and  
its salts  
Aluminosilicate  
Refractory Ceramic  
Fibres  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
Acids generated from  
chromium trioxide and  
their  
4-Nonylphenol,  
branched and linear  
[substances w  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
4-Nonylphenol,  
branched and linear,  
ethoxylated  
4-Heptylphenol,  
branched and linear  
Nonadecafluorodecanoic  
acid (PFDA) and its  
sodiu  
Carbonic acid,  
cobalt(2+) salt (1:1)  
Acetic acid, cobalt(2+)  
salt  
Cobalt-dinitrate  
Cobalt sulphate  
2-Ethoxyethyl acetate  
Strontium-chromate  
1,2-  
Benzenedicarboxylic  
acid, di-C7-11-  
branched  
1-Methyl-2-  
pyrrolidone  
1,2,3-  
Trichloropropane  
1,2-  
Benzenedicarboxylic  
acid, di-C6-8-  
branched a  
Calcium-arsenate  
bis(2-methoxyethyl)  
ether  
Potassium  
hydroxyoctaoxodizincatedichromate  
Lead-dipicrate  
N,N-  
dimethylacetamide  
(DMAc, DMA)  
Arsenic-acid  
2-methoxyaniline  
Trilead-diarsenate  
1,2-dichloroethane  
Formaldehyde,  
polymer with  
benzenamine  
1,2-  
Benzenedicarboxylic

acid, bis(2-methoxyethyl phenolphthalein  
Dichromium tris(chromate)  
2,2'-dichloro-4,4'-methylenedianiline  
Arsenic acid (H<sub>3</sub>AsO<sub>4</sub>), triethyl ester  
4,4'-diaminodiphenylmethane  
Dibutylphthalate  
Di-(2-ethylhexyl)phthalat  
Arsenic acid (H<sub>3</sub>AsO<sub>4</sub>), lead(2+) salt (1:1)  
2,4-Dinitrotoluene  
Anthracene oil;  
Anthracene oil  
Anthracene oil, anthracene paste;  
Anthracene Oil  
Anthracene oil, anthracene paste,  
anthracene fra  
Anthracene oil, anthracene paste,  
distn. lights;  
Anthracene oil, anthracene-low;  
Anthracene Oil F  
Diisobutyl-phthalate  
Lead chromate  
Lead chromate molybdate sulfate red  
Lead sulfochromate yellow  
Pitch, coal tar, high-temp.  
Tris(2-chloroethyl) phosphate  
Ammonium-dichromate  
Potassium-chromate  
Potassium-dichromate  
Sodium-chromate  
Boric acid, disodium salt, hydrate  
Trichloroethylene  
2-Ethoxyethanol  
formamide  
Cadmium-chloride  
Silicic acid, lead salt  
Lead oxide sulfate (Pb<sub>2</sub>O(SO<sub>4</sub>))  
Lead-titanium-trioxide  
Pentalead-tetraoxide-sulphate  
Trilead-dioxide-phosphonate  
Tetralead-trioxide-sulphate  
Dioxobis(stearato)trilead

Lead titanium  
zirconium oxide  
Borate(1-),  
tetrafluoro-, lead (2+)  
Cyanamide, lead(2+)  
salt (1:1)  
Cadmium Hydroxide  
Acetic Acid, Lead  
Salt, Basic  
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  
Fatty Acids, C16-18,  
Lead Salts  
Lead(II)  
methanesulfonate  
1,3,5-tris-[(2S  
and 2R)-2,3-  
epoxypropyl]-1,3,5-t  
4-aminoazobenzene  
diethyl sulphate  
Methyloxirane  
4,4'-(1-  
Methylpropylidene)bisphenol  
dimethyl sulphate  
Tetraethyllead  
4,4'-  
bis(dimethylamino)benzophenone  
N,N,N',N'-  
Tetramethyl-4,4'-  
methylenedianiline  
1,2-Dimethoxyethane  
1,2-bis(2-  
methoxyethoxy)ethane  
Lead di(acetate)  
Cadmium-carbonate  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
Decabromodiphenylether  
Diboron-trioxide  
Cadmium-oxide  
Cadmium-sulphide  
Lead(II,IV)-oxide  
Trilead bis(carbonate)  
dihydroxide  
Lead Oxide  
1,3,5-  
Tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(  
[4-[[4-Anilino-1-  
naphthyl][4-  
(dimethylamino)phen  
α,α#Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)  
Lead  
Cadmium  
Cadmium-fluoride

pyrochlore, antimony  
lead yellow  
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**

[43650](#) Series

**Mates With**

Micro-Fit 3.0 Receptacle Housing [43645](#)  
<br>Micro-Fit 3.0 TPA Receptacle Housing  
[171850](#) <br>Micro-Fit TPA Cable Assembly  
[145132](#) <br> Micro-Fit 3.0 Cable Assembly  
[2147501021](#) , [2147501022](#) , [2147501023](#) ,  
[2147511021](#) , [2147511022](#) , [2147511023](#)

This document was generated on 03/14/2022

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**