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Part Number: **0436500624**
Status: **Active**
Overview: Micro-Fit Connector System
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 6 Circuits, with Solder Tab, Tin, Glow-Wire Capable, Black, Tape and Reel

Documents:

3D Model	Packaging Specification 708730000-PK-000 (PDF)
Drawing (PDF)	Test Summary 430450004-TS-000 (PDF)
3D Model (PDF)	Test Summary TS-43045-001-001 (PDF)
Product Specification 436500001-PS-JA-000 (PDF)	Test Summary TS-43045-002-001 (PDF)
Product Specification 436500001-PS-KO-000 (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification 436500001-PS-SP-000 (PDF)	Datasheet (PDF)
Product Specification PS-43650-001 (PDF)	Symbol Footprint Data SYM-43650-0624-001 (PDF)
Packaging Specification 436500002-PK-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

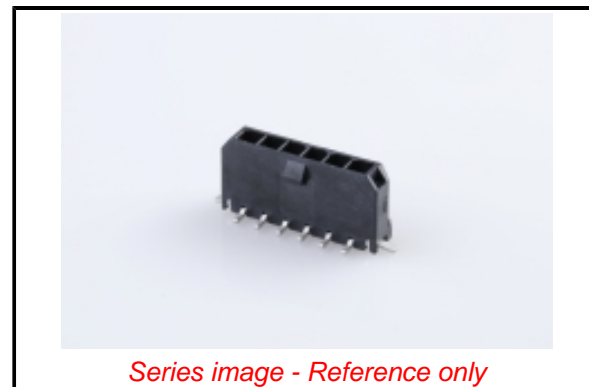
General

Product Family	PCB Headers
Series	43650
Application	Power, Wire-to-Board
Comments	High Temperature Square Pin Solder Type 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. 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). 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	800754774369

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	17.27mm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
 D(2021)4569-DC (8 July 2021)
 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
 Dipentyl phthalate
 Benzo(ghi)perylene
 Octanoic acid,
 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-1,1-dimethyl-2-ethylhexyl
 Dodecamethylcyclohexasiloxane
 Decamethylcyclopentasiloxane
 Octamethylcyclotetrasiloxane
 Disodium 3,3'-[[1,1'-Biphenyl]-4,4'-diylbis(Azo)]-4,4'-diylbis(3-methylbutyl)phosphine
 1,2-Benzenedicarboxylic acid, bis(3-methylbutyl)phosphine
 Tris(4-nonylphenyl, branched and linear) phosphine

China RoHS

Material - Metal	Brass	Perfluorobutane
Material - Plating Mating	Tin	sulfonic acid (PFBS)
Material - Plating Termination	Tin	and its sal
Material - Resin	High Temperature Thermoplastic	Fluoranthene
Net Weight	1.227/g	Pyrene
Number of Rows	1	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Orientation	Vertical	Diocetyl tin dilaurate,
PCB Locator	Yes	stannane, dioctyl-,
PCB Retention	Yes	bis(co
PCB Thickness - Recommended	1.60mm	Perfluorononan-1-
Packaging Type	Embossed Tape on Reel	oic acid
Pitch - Mating Interface	3.00mm	(2,2,3,3,4,4,5,5,6,6,7
Plating min - Mating	2.540µm	Perfluorohexane-1-
Plating min - Termination	2.540µm	sulphonic acid and its
Polarized to PCB	Yes	salts
Shrouded	Fully	2-(2H-Benzotriazol-2-
Stackable	No	yl)-4,6-
Temperature Range - Operating	-40° to +105°C	diterpentylphenol
Termination Interface: Style	Surface Mount	2-(2H-Benzotriazol-2-
		yl)-4-(tert-butyl)-6-
		(sec-b
Electrical		1,2-
Current - Maximum per Contact	8.5A	Benzenedicarboxylic
Voltage - Maximum	600V	acid, dihexyl ester,
		bra
Solder Process Data		diisohexyl phthalate
Duration at Max. Process Temperature (seconds)	030	1,2-
Lead-free Process Capability	REFLOW	Benzenedicarboxylic
Max. Cycles at Max. Process Temperature	003	acid, dipentyl ester, br
Process Temperature max. C	260	Zirconia
		Aluminosilicate
Material Info		Refractory Ceramic
		Fibr
Reference - Drawing Numbers		Nonadecafluorodecanoic
Packaging Specification	436500002-PK-000, 708730000-PK-000	acid (PFDA) and its
Product Specification	436500001-PS-JA-000, 436500001-PS-KO-000,	sodiu
	436500001-PS-SP-000, PS-43650-001	Tris(4-nonylphenyl,
Sales Drawing	SD-43650-009-001	branched and linear)
Symbol/Footprint Data	SYM-43650-0624-001	phosphi
Test Summary	430450004-TS-000, TS-43045-001-001,	Dipentyl phthalate
	TS-43045-002-001, TS-46235-001-001	1,2-Dimethoxyethane
		1,2-bis(2-
		methoxyethoxy)ethane
		Decabromodiphenylether
		Diboron-trioxide
		Cadmium-oxide
		Lead(II,IV)-oxide
		Lead
		Cadmium
		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
		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
Dipentyl phthalate
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)

**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](#)

Micro-Fit 3.0 TPA Receptacle Housing
[171850](#)
Micro-Fit TPA Cable Assembly
[145132](#)
 Micro-Fit 3.0 Cable Assembly
[2147501061](#) , [2147501062](#) , [2147501063](#) ,
[2147511061](#) , [2147511062](#) , [2147511063](#)

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