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Part Number: [0436500427](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 4 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-43045-002-001 (PDF)
Product Specification 436500001-PS-JA-000 (PDF)	Test Summary TS-46235-001-001 (PDF)
Product Specification 436500001-PS-KO-000 (PDF)	Datasheet (PDF)
Product Specification 436500001-PS-SP-000 (PDF)	Symbol Footprint Data SYM-43650-0427-001 (PDF)
Product Specification PS-43650-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-70873-0811-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

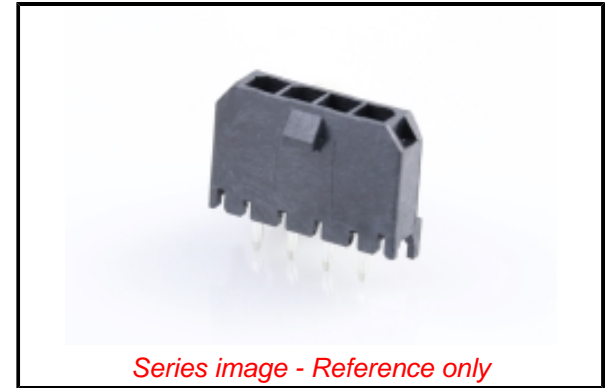
General

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.

Component Type	PCB Header
Overview	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
Taxonomy	PCB Headers and Receptacles
UPC	800753789425

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Lock to Mating Part	Yes



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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
[2147501041](#) , [2147501042](#) , [2147501043](#) ,
[2147511041](#) , [2147511042](#) , [2147511043](#)

Mated Height	17.27mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.740/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-43650-0427-001
Test Summary	430450004-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

This document was generated on 01/09/2023

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