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Part Number: [0436501011](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 10 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black, Tape and Reel

Documents:

3D Model (PDF)	Packaging Specification 708730000-PK-000 (PDF)
3D Model	Test Summary 430450006-TS-000 (PDF)
Drawing (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-43650-1009-001 (PDF)
Packaging Specification 436500001-PK-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA LR19980

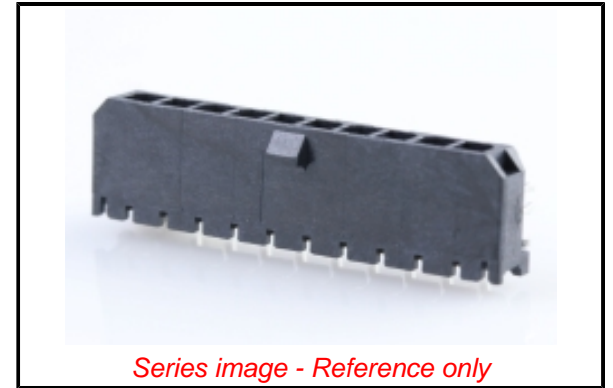
General

Product Family PCB Headers
 Series [43650](#)
 Application Power, Wire-to-Board
 Comments """"""High Temperature|Square Pin<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 800754776424

Physical

Breakaway No
 Circuits (Loaded) 10
 Circuits (maximum) 10
 Color - Resin Black
 Durability (mating cycles max) 30
 Flammability 94V-0
 Glow-Wire Capable Yes
 Mated Height 6.98mm
 Material - Metal Brass
 Material - Plating Mating Gold



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 D(2021)4569-DC (8
 July 2021)

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 3.0 Cable Assembly
[2147502101](#) , [2147502102](#) , [2147502103](#) ,
[2147512101](#) , [2147512102](#) , [2147512103](#)

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.599/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +125°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	8.5A
Voltage - Maximum	600V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	030
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	436500001-PK-000, 708730000-PK-000
Product Specification	436500001-PS-JA-000, 436500001-PS-KO-000, 436500001-PS-SP-000, PS-43650-001
Sales Drawing	SD-43650-004-000
Symbol/Footprint Data	SYM-43650-1009-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001

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