

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0436500401](#)

Status: **Active**

Overview: [Micro-Fit 3.0 Connector System Product Family](#)

Description: Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 4 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black

Documents:

[Drawing \(PDF\)](#)

[3D Model](#)

[Product Specification PS-43650 \(PDF\)](#)

[Product Specification TS-43045-001-001 \(PDF\)](#)

[Product Specification TS-43045-002-001 \(PDF\)](#)

[Product Specification TS-46235-001-001 \(PDF\)](#)

[Packaging Specification PK-70873-0321-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)

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<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 3.0 Connector System Product Family](#)

Product Literature Order No 987650-5984

Product Name Micro-Fit 3.0

UPC 800753788008

Physical

Breakaway No

Circuits (Loaded) 4

Circuits (maximum) 4

Color - Resin Black

Durability (mating cycles max) 30

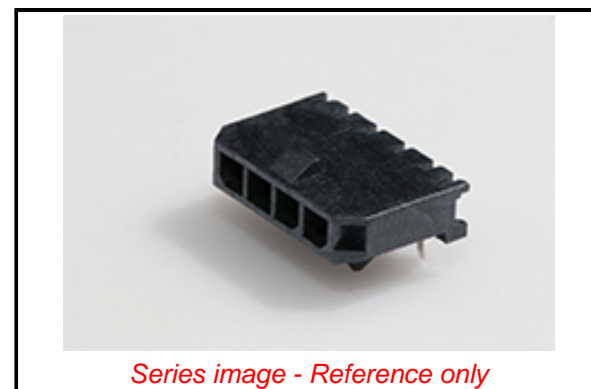
Flammability 94V-0

Glow-Wire Capable Yes

Mated Height 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 - ED/61/2018 (27 June 2018)

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](#)

Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.824/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
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-70873-0321-001
Product Specification	PS-43650, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-43650-001-000
Symbol/Footprint Data	SYM-43650-0400

This document was generated on 11/01/2018

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[43650-0401](#)