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Part Number: **0436501221**

Status: **Active**

Overview: Micro-Fit 3.0 Connector System Product Family

Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 12 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow Wire Capable, Black

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[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 436500002-PK-000 \(PDF\)](#)

[Packaging Specification 708730000-PK-000 \(PDF\)](#)

[Test Summary 430450004-TS-000 \(PDF\)](#)

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

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

Agency Certification

CSA LR19980

UL E29179

General

Product Family

Series PCB Headers

Application

Comments 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

Product Literature Order No

Product Name

UPC 800754831673

Physical

Breakaway No

Circuits (Loaded) 12

Circuits (maximum) 12

Color - Resin Black

Durability (mating cycles max) 30

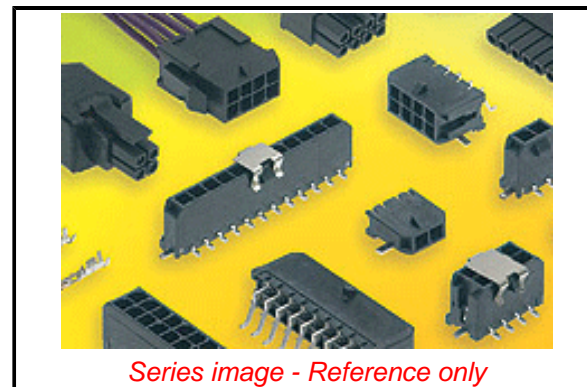
Flammability 94V-0

Glow-Wire Capable Yes

Mated Height 17.27mm

Material - Metal Brass

Material - Plating Mating Tin



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per

-ED/01/2018 (15

January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com

Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

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	2.078/g
Number of Rows	1
Orientation	Vertical
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	2.540µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°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	436500002-PK-000, 708730000-PK-000
Product Specification	PS-43650, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-43650-008
Test Summary	430450004-TS-000

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