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Part Number: 0436501210

Status: Active

Overview: Micro-Fit 3.0 Connector System Product Family

Description: Micro-Fit 3.0™ Right Angle Header, 3.00mm Pitch, Single Row, 12 Circuits, with PCB

Press-fit Metal Retention Clip, Gold, Glow Wire Capable, Black

Documents:

<u>3D Model</u> <u>Product Specification TS-46235-001-001 (PDF)</u>
Drawing (PDF) Packaging Specification 708730000-PK-000 (PDF)

Product Specification PS-43650 (PDF) RoHS Certificate of Compliance (PDF)

Product Specification TS-43045-001-001 (PDF)

Product Literature (PDF)

Product Specification TS-43045-002-001 (PDF)

Agency Certification

CSA LR19980 UL E29179

General

Product Family PCB Headers Series 43650

Application Power, Wire-to-Board

Comments

"High Temperature|Square Pin<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

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

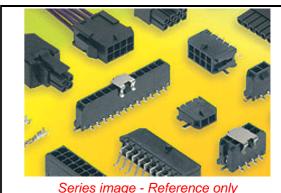
performance is required, please contact Molex for possible product options."

Overview Micro-Fit 3.0 Connector System Product Family

Product Literature Order No 987650-5984
Product Name Micro-Fit 3.0^{TM} UPC 800754776271

Physical

Breakaway No Circuits (Loaded) 12 Circuits (maximum) 12 Color - Resin Black Durability (mating cycles max) 30 Flammability 94V-0 Glow-Wire Compliant Yes Mated Height 6.98mm Material - Metal **Brass** Material - Plating Mating Gold Material - Plating Termination Tin



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EU ELV

Not Relevant

EU RoHS China RoHS

Compliant

REACH SVHC

Not Contained Per - ED/30/2017 (7 July

2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email <u>productcompliance@molex.com</u>
Please visit the <u>Contact Us</u> section for any non-product compliance questions.

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

Search Parts in this Series

43650 Series

Mates With

43645 Micro-Fit 3.0™ Receptacle Housing

Material - Resin High Temperature Thermoplastic

Net Weight 1.917/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 0.381µm
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 5.0A Voltage - Maximum 600V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-freeProcess Capability

Max. Cycles at Max. Process Temperature

003

Process Temperature max. C

260

Material Info

Reference - Drawing Numbers

Packaging Specification 708730000-PK-000

Product Specification PS-43650, TS-43045-001-001, TS-43045-002-001,

TS-46235-001-001

Sales Drawing SD-43650-004-000

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