

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [43650-0521](#)

Status: **Active**

Overview: Micro-Fit 3.0™ Connectors

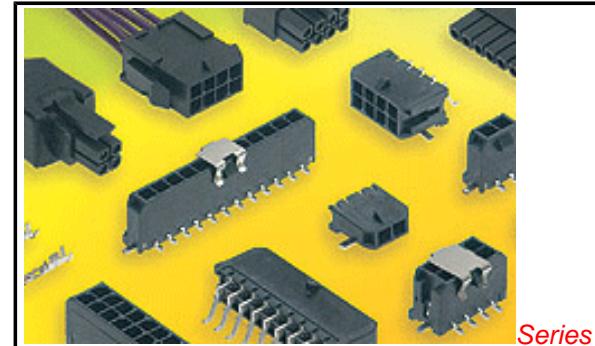
Description: 3.00mm Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Vertical, with Press-fit Metal Retention Clip, 5 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)

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

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



Agency Certification

CSA
TUV
UL

LR19980
R72081037
E29179

General

Product Family
Series
Application
Comments

PCB Headers

[43650](#)

Power, Wire-to-Board

"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."

[Micro-Fit 3.0™ Connectors](#)

987650-5984

Micro-Fit 3.0™

Overview
Product Literature Order No
Product Name

Physical

Breakaway
Circuits (Loaded)
Circuits (maximum)
Color - Resin
Durability (mating cycles max)
Flammability
Glow-Wire Compliant
Mated Height
Material - Metal
Material - Plating Mating
Material - Plating Termination
Material - Resin

No
5
5
Black
30
94V-0
Yes
17.27mm
Brass
Tin
Tin
High Temperature Thermoplastic

EU RoHS

[ELV and RoHS](#)

Compliant

[REACH SVHC](#)

Contains SVHC: No

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series

[43650Series](#)

Mates With

[43645 Micro-Fit 3.0™ Receptacle Housing](#)

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	5A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info

UPC	800754774239
-----	--------------

Reference - Drawing Numbers

Product Specification	PS-43650
Sales Drawing	SD-43650-008

This document was generated on 06/27/2012

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION