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Part Number: [43650-0812](#)
Status: **Active**
Overview: Micro-Fit 3.0™ Connectors
Description: 3.00mm Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with Solder Tab, 8 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:

3D Model	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	Product Literature (PDF)
Product Specification PS-43650 (PDF)	



image - Reference only

Agency Certification


CSA	LR19980
TUV	R72081037
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." Micro-Fit 3.0™ Connectors
Overview	Micro-Fit 3.0™ Connectors
Product Literature Order No	987650-5984
Product Name	Micro-Fit 3.0™
UPC	800754712453

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
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	Tin
Material - Plating Termination	Tin

EU RoHS ELV and RoHS Compliant REACH SVHC Contains SVHC: No Low-Halogen Status Low-Halogen	China RoHS 
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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](#)

Material - Resin	High Temperature Thermoplastic
Net Weight	1.363/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	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

Reference - Drawing Numbers

Product Specification	PS-43650
Sales Drawing	SD-43650-005

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