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Part Number: 43650-1212

Status: **Active**

Micro-Fit 3.0™ Connectors **Overview:**

Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with **Description:**

Solder Tab, 12 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:

RoHS Certificate of Compliance (PDF) 3D Model

Drawing (PDF) Product Literature (PDF)

Product Specification PS-43650 (PDF)

Agency Certification

CSA LR19980 TUV R72081037 UL E29179

General

Product Family PCB Headers 43650 Series

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 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

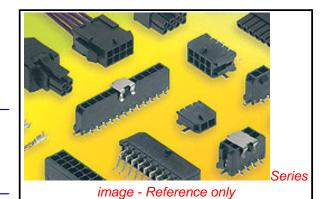
possible product options."

Micro-Fit 3.0™ Connectors Overview

Product Literature Order No 987650-5984 Micro-Fit 3.0™ **Product Name UPC** 800754770477

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 Tin Material - Plating Termination Tin



EU RoHS ELV and RoHS Compliant **REACH SVHC Contains SVHC: No Low-Halogen Status** Low-Halogen

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

Material - Resin High Temperature Thermoplastic

Net Weight 1.909/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 600V

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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