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Part Number:

43650-0909

Status:

Active

Overview:

Micro-Fit 3.0™ Connectors

Description:

Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with PCB Press-fit Metal Retention Clip, 9 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

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."

Overview

Micro-Fit 3.0™ Connectors

Product Literature Order No

987650-5984

Product Name

Micro-Fit 3.0™

UPC

800754770354

Physical

Breakaway

No

Circuits (Loaded)

9

Circuits (maximum)

9

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

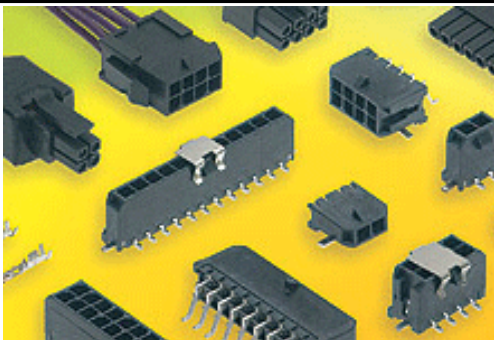


image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen



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	1.512/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-43650-004

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