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PCB Headers
Datasheet
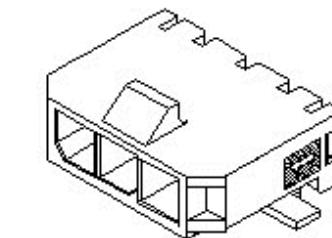
Part Number:
0436500412

Status:
Active

Overview:
Micro-Fit, 3.0™

Description:
3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with Solder Tab, 4 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents: *Note - Please disable browser pop-up blockers for documents on www.molex.com*
Drawing (PDF)   Product Specification PS-43650 (PDF)

Series image - Reference only

EU RoHS   **China RoHS**
ELV and RoHS
Compliant

REACH SVHC
Contains SVHC: No

Halogen-Free Status
Halogen-Free

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43650 Series

Mates With

43645 Micro-Fit 3.0™ Receptacle Housing

Product Literature (PDF)

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Part Detail: (show all)

General Physical Electrical Agency Certification Solder Process Data Material Info Reference - Drawing Numbers

General

Product Family	PCB Headers
Series	43650
Application	Wire-to-Board
Comments	Glow Wire Equivalent Part Number 436500412 High Temperature, Square Pin, Solder Type
Overview	Micro-Fit, 3.0™
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0™

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	Yes
Mated Height (in)	0.275 In
Mated Height (mm)	6.98 mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

Electrical(Please review the Product Specification for specific details.)

Current - Maximum per Contact	5A
Voltage - Maximum	250V

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

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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