

Part Number : <u>436501201</u> Product Description : Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 12 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black

Series Number : 43650

Status : Active

Product Category : PCB Headers and Receptacles

### **Documents & Resources**

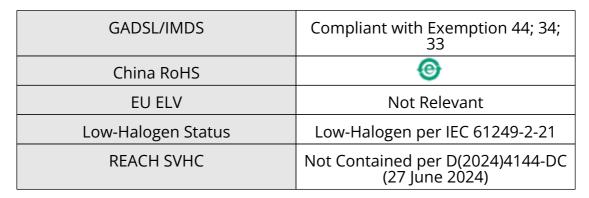
Drawings 436501201\_sd.pdf PK-70873-0321-001.pdf

**3D Models and Design Files** <u>436501201\_stp.zip</u> SYM-43650-1200-001.zip

Specifications 436500001-PS-JA-000.pdf 436500001-PS-KO-000.pdf 436500001-PS-SP-000.pdf PS-43650-001.pdf 430450006-TS-000.pdf 430450007-TS-000.pdf TS-43045-001-001.pdf TS-43045-002-001.pdf TS-46235-001-001.pdf

## **Product Environment Compliance**

#### Compliance





EU	Ro⊢	IS

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

## Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	43650
Description	Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 12 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black
Application	Power, Wire-to-Board

Comments	High Temperature, Square Pin; 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. 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). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.
Component Type	PCB Header
Product Name	Micro-Fit 3.0
UPC	800754711753

# Agency

CSA	LR19980
UL	E29179

# Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

# Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	30

Flammability	94V-0
Glow-Wire Capable	Yes
Mated Height	6.98mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.105/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Тгау
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

### Solder Process Data

Max-Duration	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	260

# Mates With / Use With

# Mates with Part(s)

Description	Part Number
Micro-Fit 3.0 Single Row Receptacle Housings	<u>43645</u>

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