



**Part Number :** 430451827

**Series Number :** 43045

**Product Category :** PCB Headers and Receptacles

**Product Description :** Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 18 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black

**Status :** Active

Documents & Resources


**Drawings**  
Drawing 430451827\_sd.pdf  
Packaging Design Drawing PK-70873-0314-001.pdf

**3D Models and Design Files**  
3D Model 430451827\_stp.zip  
Symbol Footprint Data SYM-43045-1827-001.zip

**Specifications**  
Product Specification 430450001-PS-KO-000.pdf  
Product Specification 430450001-PS-SP-000.pdf  
Product Specification PS-43045-001.pdf  
Test Summary 430450004-TS-000.pdf  
Test Summary TS-43045-001-001.pdf  
Test Summary TS-46235-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

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

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	43045
Description	Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 18 Circuits, with PCB Polarizing Peg, Tin, Glow-Wire Capable, Black
Application	Power, Wire-to-Board
Comments	<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. 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.</p>
Component Type	PCB Header
Product Family	Micro-Fit Connector System

Product Name	Micro-Fit 3.0
UPC	800753839854

## Agency

CSA	LR19980
UL	E29179

## Electrical

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

## Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Lock to Mating Part	Yes
Mated Height	17.64mm
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.443/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.18mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.254µm

Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

## Solder Process Data

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

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Micro-Fit 3.0 Dual Row Receptacle Housings	<u>43025</u>
Micro-Fit TPA Receptacle Housings	<u>172952</u>