



Part Number : 430451049

Product Description : Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 10 Circuits, Surface Mount, Matte Tin Plating, without Disposable Cap, Glow-Wire Capable, Black, Tape and Reel

Series Number : 43045

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

- Drawing 430451049\_sd.pdf
- Packaging Design Drawing 430450004-PK-000.pdf

3D Models and Design Files


- 3D Model 430451049\_stp.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	Not Relevant
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, 10 Circuits, Surface Mount, Matte Tin Plating, without Disposable Cap, Glow-Wire Capable, Black, Tape and Reel
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
UPC	884982723290

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	10

Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.557/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel, Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.00mm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

## Solder Process Data

Max-Duration	30
Lead-Free Process Capability	REFLOW
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>
Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assemblies	<u>214755</u>
Micro-Fit 3.0 Female-to-Pigtail Off-the-Shelf (OTS) Cable Assemblies	<u>214756</u>
Micro-fit 3.0-to-Micro-Fit 3.0 Off-the-Shelf (OTS) Overmolded Adapters and Cable Assemblies	<u>245132</u>