



Part Number : [430450283](#)

Product Description : Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 2 Circuits, with PCB Polarizing Peg, 1.52µm Matte Tin Plating, Glow-Wire Capable, Black, Tape and Reel, with Pick and Place Cap

Series Number : 43045

Status : Active

Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

[430450283 sd.pdf](#)

[430450008-PK-000.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[430450001-AS-000.pdf](#)

[430450001-PS-KO-000.pdf](#)

[430450001-PS-SP-000.pdf](#)

[PS-43045-001.pdf](#)

[430450004-TS-000.pdf](#)

[430450007-TS-000.pdf](#)

[TS-43045-001-001.pdf](#)

[TS-46235-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	

	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	43045
Description	Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 2 Circuits, with PCB Polarizing Peg, 1.52µm Matte Tin Plating, Glow-Wire Capable, Black, Tape and Reel, with Pick and Place Cap
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Micro-Fit 3.0
UPC	889056692991

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
Glow-Wire Capable	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.623/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.00mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Shrouded	Shrouded

Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Kinked Pin

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 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>