



**Part Number :** [5054481071](#)

**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Right-Angle, Surface Mount, Tin-Bismuth Plating, Positive Lock, 10 Circuits, Black

**Series Number :** 505448

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[5054481071 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5054481071.dxf](#)

### Specifications

[5054320000-AS-000.pdf](#)

[5054489200-200.pdf](#)

[2145270000-PS-000.pdf](#)

[5054320000-002.pdf](#)

[5054320000-005.pdf](#)


[5054321000-PS-002.pdf](#)

[5054321000-PS-006.pdf](#)

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## 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	Not 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	505448
Description	1.25mm Pitch, Micro-Lock Plus PCB Header, Dual Row, Right-Angle, Surface Mount, Tin-Bismuth Plating, Positive Lock, 10 Circuits, Black
Application	Wire-to-Board
Component Type	PCB Header
Keyword	Micro-Lock Plus 1.25
Product Name	Micro-Lock Plus
UPC	889056765077

## Agency

UL	E29179
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## Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	50V AC (RMS)/DC

## Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin-Bismuth
Material - Plating Termination	Tin
Material - Resin	Polyamide (PA)
Net Weight	1183.700/mg
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	1.25mm
Pitch - Termination Interface	1.25mm
Plating min - Mating	1.000µm
Plating min - Termination	1.000µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes

Robotic Placement	Vacuum Pick-Up Area
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
1.25mm Pitch, Micro-Lock Plus Dual Row Receptacle Housings	<u>505432</u>

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