



**Part Number :** [5055780571](#)

**Product Description :** 2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, Matte Tin Plating, Positive Lock, 5 Circuits, Low-Halogen, Black

**Series Number :** 505578

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[5055780571 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5055780571.dxf](#)

### Specifications

[5055700001-A03.pdf](#)

[5055789200-200.pdf](#)


[5055700001-PS-000.pdf](#)

[5055701001-PS-000.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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)

EU RoHS	Compliant per EU 2015/863
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### 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	505578
Description	2.00mm Pitch, Micro-Lock Plus PCB Header, Single Row, Right-Angle, Surface Mount, Matte Tin Plating, Positive Lock, 5 Circuits, Low-Halogen, Black
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	Micro-Lock Plus
UPC	889056580052

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	3.4A
Voltage - Maximum	250V AC (RMS)/DC

## Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
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	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Polyamide
Net Weight	676.350/mg
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
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	Fully
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
2.00mm Pitch, Micro-Lock Plus Single Row Receptacle Housings	<u>505570</u>

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