



**Part Number :** [5055681671](#)

**Product Description :** 1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 16 Circuits, with Pick-and-Place Tape, Black

**Series Number :** 505568

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[5055681671 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[5055681671.dxf](#)

### Specifications

[5055650000-AS-000.pdf](#)

[5055689200-200.pdf](#)


[5055650000-000.pdf](#)

[5055651000-PS-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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(2024)6225-DC

	(07 Nov 2024)
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	505568
Description	1.25mm Pitch, Micro-Lock Plus PCB Header, Single Row, Vertical, Surface Mount, Tin-Bismuth Plating, Positive Lock, 16 Circuits, with Pick-and-Place Tape, Black
Application	Signal, Wire-to-Board
Component Type	PCB Header
Product Name	Micro-Lock Plus
UPC	889056511780

### Agency

UL	E29179
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### Electrical

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

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
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-Bismuth
Material - Resin	Polyamide
Net Weight	443.866/mg
Number of Rows	1
Orientation	Vertical
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 Tape
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Surface Mount

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
1.25mm Pitch, Micro-Lock Plus Single Row Receptacle Housings	<u>505565</u>

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